## Second Revision Survey Settlement papers.

## East Thandesh District;

1. Ohopda Taluka.
-8. Bhusawal Taluka ana
1920; 1-32pp. malabad Reta.
$x>2 * 1922$.
Fo HO 33-91pp.
2. Bhadgaon peta teq. to Parola Taluka.

$\times 723: 23172 C H A F F$
West Khandegin Distriat,
3. Shirpur Taluka.
4. Shahada тaluka. $23 / 31$ 1942 1 , Fo 147-176pp.
5. $\times 2$ 23.231フ/54ヶ
6. Taloda Taluka, y $_{2} 3,23 / 71 T^{1921 . ~ F-1214-244 p p . ~}$
7. Thulia Taluka.


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\times 72.3 .2317151
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INDEX TO THE CORRESPONDEN CE RELATING TO REVISION SETTLEMENT OF CHOPDA TALUKA OF EAST KHANDESH DISTRICT.

19.20

## APPENDIX A.

Statement showing Rainfall recorded at Chopda, District East Khandesh, for the years 1985-1915.


Remarks with regard to the character of seasons at Chopda, District East Khandesh, for the years 1905-1915.
1905.-Annual rain much in defect of the average. There was no ante monsoon rain. Monsoon opened timely in June but kharif sowing was started with the fall in the last week. It was continued and completed in July ander good rain. August fall was below requirements and the orops began to suffer. Thoy received useful rain in September which improved their condition but more rain was still needed for them. There was practically no rain in October and the two subsequent- months. Owing to the absence of late rains rabi sowing was restricted. Season on the whole was fair.
1906.-The total fall of the year slightly above the average. Ante monsoon rain was absent. Monsoon commenced timely in the second week of the June and the fall being good kharif sowing was started and was over by the end of the month. Rain in July and in August was plentiful and the seadinge did well. But Septamber rain was below the requirements and standing orops commenced to suffor. There was practically no rain in Octobers and the two following months were dry. The kharif crops suffered from want of olosing showers. Rabi sowing was done in time but the crops suffered from want of sufficient moisture. Season on the whole was much below normal.
1907.-Rain during the year was short of the average. Slight rain in the ante monsoon period. Monsoon opened in the 3rd week of June but the fall was insufficient for generad kharif sowing which was confined to gufficiently moist places only. Rain in Juiy fell almost daily in the second half of the month and further sowing was retarded owing to ezcessive rain. It was resumed and completed in. August. The fall in the first three weekn was however continuous and the seedlings did not grow vigorously. September gave a desirable break but the month's rain was very meagre and the crops began to suffer. October was practically dry and even the crops on the rich black soil began to show signs of distress. Rabi sowing was started in anticipation of rain. A few conts in November did not improve the metters and December was rainless. Season on the whole was poor to fair.
1908. -The total fall was less than the average. Ante monsoon rain was practicsily absent. Monsoon set in in the 2nd week of June but sowing rain fell only in the last week and general sowing was continued and had to be finished in July under continuous rain. A break was desired at the end of the month, but it did not oocur in August and the standing crops were damaged by excessive moisture stunting their growth especially of cotton and a break was badly needed. In September rain was confind to the firet fortnight only when the monsoon closed. The break in the second fortnight proved useful but as practically no rnin was received in October and November the rabi sowing was curtailed and the crops required more moisture for their development. December was dry. Season on the whole very moderate.
1909.-Rain during the year was slightly over the average. Ante monsoon rain was fair. The monsoon began timely in June but sowing was started only in the last week when good rain fell. It was nearly ovar in July under continuous rain and the seedlings in badly draincd fields turned yellow. August rain was beneficial to the standing crops which did well. Fall in September was above the average snd rabi sowing commeneed in places. It was completed in October though rain fell in scattered showers. No rain in November but the fall in the third week of December was very useful to the rabi orops. Senson on the whole was normal.
1910.-The total fall in excess of the average. Very light rain in ante monsoon period. Monscon opened rather early in june and the fall being adequate kharif sowing was done seasonably. July rain was confined to the first week followed by a break of about 3 weeks which was beneficial for the seedjings. In August the fail was good and a break was desired for the crops. Rain in September was excessive in places, damaging cotton and jowari crops. The fall in Ootober was confined to the first week but was above the average. Rabi sowing was started and completed in November. The rain of the month proved injurious to standing jowari and cotton. There was some rain in December and the rabi crops throve well. Season on the whole was fairly good.
1911.-Annual rain much under average. Ante monsoon rain was very light. Monsoon set in early in June and the fall was confined to the first fortnight when kharif sowing was begun but was retarded owing to the subsequent break. In July the fall was inadequate but kharif sowing was resumed in anticipation of rain. There was sufficient rain in August under which this sowing was completed. The standing orops were in fair condition. But the September fall being far short of the average more rain was needed for the standing crops which commenced to suffer. There was no rain in October andethe crops further deteriorated. Rabi sowing was restricted to moist places only. Unusually heavy rain fell in the last week of November which proved benefioial to rabi crops especially wheat. December was dry. Season on the whole was poor for kharif and fair for rabi crops.
1912.-Rain during the year was in defect of the average. Practically no rain fell in ante monsoon period. Monsoon started in the third week of June but rain sufficient to start kharif sowings did not come till the last two days of the month. They were continued and almost finished in July under good rain in the second fortnight. August rain was up to requirements and the orops throve woll. But the fall in September so essential for the development of these crops was light and partial and the orops atood in the imynediate need of more rain. October
min was again deficient being only a few cents. Rasi sowing was carried out in expectation of rain for which the heavy tall in November wes very useful. It changed the situation and the area sown with rabi orops was larger than in recent years. There was no rain in December but the crops throve well. Season poor to fair for kharif and fairly good for rabi.
1918.-Total fall of the pear above the average. Ante monsoon rain was fairly good. The monsoon burst early in Jone and the fall was more than sufficient for kharif sowing being done seasonably. They were completed in Joly under favourable rain. The fall in August was poor and its need began to be felt by the end of the month, The deficienoy was made up in September when heavy rain fell whioh was useful for standing orops. Rabi sowing was commenced and continued in Ootober though there was practically no rain in that month as the moisture produced by the last month's fall was auffiaient. November was dry. But the rain early in December proved beneficial to the standing rabi crops. Season on the whole was normal.
1914.-The annual rain was largely in excess of the average. Good rain in the ante monsoon period. Monsoon set in timely in June affording sufficient moisture for the kharif sowings which were finished in July when the fall was good. August rain was more than sufficient retarding weeding in places. The fall in September was very excessive damaging standing crops and stanfing their growth. Rabi sowing was proceeded with though there was no min in October. It was completed in November ander favourable rain and there was also some rain in Decembet. The rabi orops suffered in plaoes owing to fog and adverse winds. Season on the whole was below normal.
1915.-Rain during the year in excess of the average. Ante monsoon rain was fair. Monsoon commenced rather late but the fall was sufficient and kharif sowing was proceeded with and pas completed by the end of the first fortnight of July when there was a break. This was followed by good rain and the seedliags were thriving by the end of the month. August rain was light; more rain was needed for crope in the light soil. The fall in September was in excess of the average and the orops. throve well. October rain was abundant and gave a good atart for rabi sowing which was completed under favourable rain in November; the seedinge throve well. Thay wers further helped by rain in December. Season was very good.
G. F. KEATINGE,

Director of Agriculture

Details of cultivation and crops in the villages of

B.

Chopda Taluka of the East Khandesh Collectorate.


Average of fagares from 1018-13 to 1916-17.

## APPENDIX C.

Details of population according to occupation in the Chopda Taluka, East Khandesh District.


Agricultural stock of 125 Government villages in the Chopda Taluka, District East Khandesh, during the year 1916-17.


APPENDIX E.
Shops, industries, etc., in the villages of the Chopda Taluka, East Khandesh District.

| Liquor shops. | Fiand Industries. |  |  | Mechanicsl Power. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oil presses. | Cotton looms. | Woollen looms. | Cins Rice husking machine. | Cotton presses. | Flour mill. |
| 6 | 55 | 863 | 6 | - 10 | 4 | 1 |

## APPENDIX F .

Wells, Bhudkis, Tanks and the other sources of water supply in the Government villages of the Chopda Taluka of East Khandesh Collectorate for the years 1912-13.


## ABSTRACT OF APPENDIX F.



## APPENDIX G

Selling value of dry crop lands in 40 villages of the Chopda Taluka, East Khandesh District.


APPENDIX H.
Leases of dry-crop lands in 41 villages of the Chopda Taluka, District East Khdndesh.

|  | Name of Village. | 1800-1099. |  |  |  | 1004-194. |  |  |  | 1019-1017. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Ares of leand. | Assessment. | Rent |  | Aroa of leased. | Absebs <br> ment. | Rent. |  | Ares of land lemand |  | Rent. |  |
| -2 9 4 6 12 18 16 17 18 19 | Group I . <br> Akbatweds <br> Akulkheda <br> Chahardi <br> Chopda <br> Ghumavel Budrak <br> Kolambe <br> Sanpulo <br> Tendalwadi <br> Tansa Budrak <br> Tausa Khurd <br> Wadgaon Budrak | A. <br> 682 <br> ... <br> 182 <br> 1898 <br> 40 <br> 4. <br> 918 <br> ** <br> .... <br> 118 <br> 668 |  |  |  | A. g . <br> 28 B <br> ... <br> 919 <br> 10880 <br> ... <br> B5 15 <br> ... <br> 5423 <br> ${ }^{41} 18$ |  |  |  |  |  |  | 8.3 <br> 7.92 <br> 6.08 <br> $8 \cdot 97$ <br> 0.61 <br> 6 Cl <br> F. 4 <br> 0.81 <br> $0 \cdot 00$ <br> $8 \cdot 90$ <br> 0.76 |
|  |  |  |  |  | 6.03 |  |  |  | 6.5s |  |  |  | 4.7 |
|  |  |  |  | .7 <br> 488 <br> .. <br> .. <br> .. <br> .. <br> .. <br> .. <br> .. <br> .. <br> .. <br> 18 <br> 18 | 8.80 .. $\ldots$ .. .. .. .. .. . . .788 |  | 10900 <br> ...... <br> ...... <br> ...... <br> 7080 <br> ...... <br> ...... <br> 4*4n+* <br> 1400 <br> ...... <br> 2000 | 1050 509 0 $\qquad$ <br> ... <br> ... <br> 3558 <br> ... <br> ** <br> $\cdots$ <br> 890 <br> 450 <br> ... | $5 \cdot 25$ <br> - <br> *** <br> 501 <br> ... <br> ... <br> 6.38 <br> ** <br> 2.86 | 14014 <br> 80 16 <br> ${ }^{2} 22$ <br> 814 <br> 138 <br> 8651 <br> 8881 <br> 289 <br> 1811 <br> 2930 <br> 696 <br> ${ }^{20} 90$ <br> 4087 <br> ${ }^{38} 30$ | $\begin{array}{r} 294 \end{array} 4_{1} 0$ |  |  |
| $\cdots$ | Avexase per acre ... | ... | ..... | ... | 40 | ... | ...... | ... | 47 |  | ...... | ... | 6.68 |
| 83 81 88 89 90 89 190 100 108 104 106 110 | Adgaon <br> Ambode <br> Chaugeon <br> Chunohaia <br> Dhanara <br> Ganpar <br> дasur <br> Mamalde <br> Mohorad <br> Nalwada Khurd <br> Varal |  | 57 $0: 0$ <br> ...... <br> 6000 <br> 10880 <br> 6900 <br> $67 \quad 0 \quad 0$ <br> 4800 <br> ...... <br> $\ldots .$. <br> ...... <br> B2 00 | 3580 <br> 5100 6858 3140 4670 8490 ... *? 6130 |  | 4789 <br> 3695 <br> 1591 <br> 648 <br> ... <br> 6927 |  |  |  | 1069 <br> 6637 <br> 8524 <br> 1382 <br> 10638 <br> 1492 <br> 3189 <br> ${ }^{2018} 91$ <br> 809 <br> 140 <br> 11114 | $\left\|\begin{array}{ccc} 189 & 0 & 0 \\ 61 & 0 & 0 \\ 110 & 0 & 0 \\ 281 & 0 & 0 \\ 188 & 0 & 0 \\ 10 & 0 & 0 \\ 60 & 0 & 0 \\ 248 & 0 & 0 \\ 34 & 10 & 0 \\ 1 & 0 & 0 \\ 162 & 0 & 0 \end{array}\right\|$ |  | $\begin{array}{r}10.98 \\ 7.82 \\ 0.00 \\ 19.4 \\ 10.68 \\ \hline 8.40\end{array}$ |
|  | average per acre |  |  |  | 1.06 |  |  |  | 7.0 |  |  |  | $8 \cdot 9$ |
| $\begin{aligned} & 118 \\ & 119 \\ & 121 \\ & 123 \\ & 124 \end{aligned}$ | Gavia Sim $\ldots$ <br> Karjane $\ldots$ <br> Nagaiwadi $\ldots$ <br> varad $\ldots$ <br> Virmade $\ldots$ | 853 ... <br> 2812 18 : 6238 | $\begin{array}{ccc} 88 & 0 & 0 \\ \ldots . . . . & \\ 28 & 0 & 0 \\ 15 & 0 & 0 \\ 39 & 10 & 0 \end{array}$ | 2030 <br> 3970 <br> 1660 <br> 87910 | $\begin{gathered} 0 \cdot 15 \\ \ldots . \\ 11 \cdot 60 \\ 11: 00 \\ 0 \cdot 58 \end{gathered}$ | $\begin{array}{ll} 41 & 5 \\ \cdots & \\ 32 & 88 \\ 80 & 26 \\ 97 & 8 \end{array}$ | $\begin{array}{ccc} 80 & 8 & 0 \\ \cdots \\ 89 & 0 & \\ 14 & 0 & 0 \\ 8 & 0 & 0 \\ 84 & 0 \end{array}$ | $\begin{array}{cc} 980 & 8 \\ \ldots & \\ 389 & 0 \\ 214 & 0 \\ 764 & 0 \end{array}$ | $38 \cdot 70$ <br> ... <br> 2198 <br> 15 -20 <br> 800 |  |  | 675 <br> 675 <br> 78 <br> 748 <br> 2.500 <br> 1.881 |  |
|  | - average per mers ... | $\cdots$ | $\cdots$ | .. | $0 \cdot 0$ | . ... | …… | ... | 10.78 |  | $\cdots$ |  | 14.41 |

APPENDIX I .
Statement showing the prices prevalent in the Chopda T'aluka from.1877-98 to 1916.


## APPENDIX J.

## Changes in occupied area for 125 villages of the Chopda Taluka of the

 East Khandesh District.

## APPENDIX K.

Collection of assessment on Government land in the villages of the Chopda Táluka.

| Year. | Demend. | Remissions | Outstandinge: |  | Year. | Demend. | Remissions | Ontstandinga, |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Anthorized. | Unauthorized. |  |  |  | Autho rimed. | Unartho rized. |
| 1 | 9 | 8 | 1 | 5 | 1 | 2 | $8{ }^{\text {- }}$ | 4 | 5 |

NET GROUP I ( 80 villages) max, bate Re, 3-100


| Year. | Demerat. | Remission. | Outatandings. |  | Year. | Demaud, | Remiesion. | Outstandinge |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Autho rized. | Unathorized. |  |  |  | Anthorized. | Unautho rited. |
| 1 | 2 | 3 | 4 | 5 | 1 | 8 | 8 | - 1 | 8 |

NEw Group III (18 vinhages) max. Rate Rg. 1-13-0-conld.

Old Group $\Pi 11$ (19 villages) max, rate Rs. 1-c-0-contd.


## APPENDIX L

4 119n-9

Effect of Revision settlement proposals on Government occupi

land in Chopda Taluka of the East Khandesh Collectorate.



L-continued.


ㅍ 119-9

APPEN


L-continued.


## APPENDIX M.

Population and area of Government unoccupied land in the Chopda Táluka,
East Khändesh District.


APPENDIX M-continued.

z 119-10

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APPENDIX N.
The following selections include the papers relating to the expiring settlement.
No. CCXXI
No. CCLXXI
No. CCLXXXII
No. CCCLXIX
No. UXIV.
New Series.
" "
" "
" "
" "

No. 733.
To
The COMMISSIONER, Central Division.

Camp Langdia-Amba, 23rd March 1918.
Sir,
I have the honour to forward herewith Mr. Abbott's proposals for the Second Revision Settlement of the Chopda Taluka.
2. The report was received at the beginning of this month and I have had no opportunity of examining the proposals in the light of a personal inspection of the taluka. I have now to choose between the alternatives of delaying submission of the report till after I have made a tour of the Chopda Taluka, with the probable result that the new rates cannot be announced before the end of the current year, and of sending it on at once, in the hope that Government will be able to pass orders by that time giving effect to the revised rates. Since it is undesirable that the portion due from the additional revenue represented by the difference between the old and the new rates should be foregone for a year if that can be helped, and since I can find nothing in the proposals' which seems to me to need clearing up by local investigation on my part, I choose the latter alternative without hesitation and subunit Mr. Abbott's report now after careful perusal of it and of the reports relating to the existing settlement. I am issuing notices to the villages concerned, calling for objections to the proposed new rates, and will forward such as are received during the next two months as they come. Unless Government find it necessary to wait till the report has been printed, proofs corrected, and other things done, whioh are the usual, but perhaps not absolutely necessary preliminaries to the passing of orders ; it is, I think, possible for such revised rates as may be sanctioned to be introduced in the current year.
3. There is nothing so far as $I$ can see that is controversial in the proposals, and Mr. Abbott's report is so clearly written that there is no reason for elaboration on my part. For his conclusions he gives most convincing evidence, and he bases his proposals on unassailable data. Making all allowance for the deficiency of statistics available to Mr. Fletcher when he wrote his report in 1887 it is obvious that the taluka has made extraordinary progress in every way. Communications have been very greatly improved, a fact for which the main portion of the credit is due to my predecessor, Mr. Simcox (though the Tapti remains a great barrier during a good part of the year to communication with the railway, and the various nalas and streams are still a considerable impediment to traffic in the rains). Chopda itself has become an important market, and the number of ginning factories in the taluka is a significant indication of prosperity. The steady rise in prices, the great increase in the value of land, and the low incidence of current rates on rentals as well as on produce-values are clearly demonsrtrated, and the statistics provide ample justification for a good deal large enhancement of revenue than is proposed.
4. However the law is that revenue must not be increased by more than so much for a group, or so much for an individual village, and I suppose there is no intention of making any change. Proposals for revision must, therefore, abide by these limitations. Mr. Abbott's assumption that the 'group' for the purposes of the 33 per cent. increase means the group according to proposals for revision is I believe correct. It is a matter for the orders of Government, but as far as I remember the latter has always been the interpretation in practice.
5. The proposals do not involve much interference with existing grouping and for the changes proposed the reasons given are in my opinion convincing. The revised rates are, as I have already said, amply justified by the data. I aecordingly support the proposals as they stand.
6. The village of Sikval should be incorporated in the Chopda Taluka as soon as that becomes possible-that is as soon as the period of its current settlement expires.

The best thing for Vaijapur would probably be as for all other 'villages' in the Satpuras to make an inforest settlement of it. This cannot, I think, be legally done as long as lands are held on the ordinary survey tenure, unless the occupants themselves agree to a fresh disposal of their lands involving resignation and regrant on different terms.
7. The enquiries have been made with great care and the report puts the results most clearly and logically. I hope Government will be pleased to record an expression of their appreciation of Mr. Abbott's work.

I have the honour to be,
Sir,
Your most obedient servant,
G. MONTEATH,

Collector, East Khandesh.

Below No. 733 of 23rd March 1918 from the Collector, East Khdndesh.
No. S.T.-181.
Poona, 25th April 1918.
Forwarded with compliments to the Commissioner, Central Division.
2. We could hardly bave a simpler problem in Settlement than this. There is only one difficulty, and that is the difficulty created by the 33 per cent. limit. We ordinarily write 33 per cent. but no doubt in strictness this is intended for $33 \cdot 3$ per cent. or exactly one-third. To apply this limit to Chopda Taluka is a reductio ad absurdum of the limit, especially in group III. That group was under-assessed even in 1856. It remains still more under-assessed in 1888. No doubt in the early years it was very jangli and remote. Those conditions are passed away. It is now a rich, immensely prosperous tract, and yet our 33 per cent. rule prevents us from taking more than a maximum rate of Rs. 1-13-4. The proper assessment for the tract upon all the statistics would certainly not be less than Rs. 4; even that would hardly touch half the net assets, however leniently calculated. In groups I and II the maximum assessments we can levy fall almost as grotesquely short of the just share which Chopda should contribute to the Empire. Yet here we find in the midst of war, with every rupee urgently needed, that a large rich tract growing cotton on more than 50 per cent. of its total area has been granted by a rash and unqualified promise of certain limitations to the enhancement of the assessment a sort of permanent jaghir, under which all the landholders enjoy about twice as large a share of the net profits of the land as the landholders in other parts of the Presidency.
3. Mr. Abbott has sifted his statistics most carefully. There has probably never been so lenient an examination of rent and sale statistics in which everything unfavourable to the rayat is excluded. Moreover, there is rarely any tract in which the statistics are so simple, not being complicated by inextricable mixtures of rice and garden land, and khalsa and inam lands; but all perfectly simple and straightforward.
4. As to the grouping, Mr. Abbott would take a portion of the present group I and lower it to group II. The reasons he gives are good, and agreeing with what I have seen of the tract. They are moreover borne out by the statistics. In the portion of group I which is to be retained as group I, the average sale value is 146 multiples, and the average rent is 8.72 multiples. In the villages proposed to be degraded to group II, the average sale multiple is 126 , and the rent multiple 6.46 . This is upon present rates and shows clearly that there is a difference in value recognised by the public in their transactions and which should therefore be recognised in our ratings. The objection to the alteration is that by including some of the villages of groap I with those of group II into a new group, we are limited to an increase of the whole of this new group by $33 \frac{1}{3}$ per cent. only. This means a loss of Rs. 19,000 compared with what we should get if all the villages in group I were raised by $\frac{1}{3}$ rd. But if we make rash promises of limitations upon the increases, unqualified by any reservation as to prices and money values, such losses are inevitable, and the loss of Rs. 19,000 in group $I$ is as nothing compared to the heavy loss in group III. I therefore support Mr. Abbott's recommendation.
5. The rates he proposes are Rs. 3-10-0, Rs. 3-6-0 and Rs. 1-13-0. Now all of these give increases substantially less than $33 \frac{1}{3}$ per cent. and they give figures not at all convenient for calculation. In view of the conspicuous under-assessment of the whole tract, I would recommend that the evil be mitigated by fixing the rates for the three groups at Rs. 3-12-0, Rs. 3-8-0 and Rs. 2-0-0 which give increases of $36.34,36.8$, and $45^{\circ} 45$ respectively. These violate the $33 \frac{1}{3}$ per cent. guarantee, particularly in group III. But I make this proposal in the conviction that it is time in flagrant cases to refuse to be bound by that guarantee. At any' rate, the figures I propose do not go vastly beyond it, and are fully justifiable in this war time.

- 119-11

6. In conclusion, I would call attention to the fallacious policy on which it is usual to make new roads. The general procedure is to construct the flat and easy portions of the roads, and leave the nalas and rivers unbridged for subsequent treatment, and when funds permit. If I could have my own way in such matters, I would lay out the line of the road, and then construct the bridges or crossings for the rivers and nalas first of all. The country cart can find its way along the old routes well enough, but is chiefly held up when it comes to the river and nala. Bridges are a necessity, and the long, straight stretches of permanent way barrelled and bermed, and garnished with mile stones, etc., are a luxury which can come afterwards. I fear this has been much exemplified in Chopda. The new communications will not have half their full value until they are supplemented with a proper supply of bridges. The figures in this Settlement Report will show that as communications improve, land values improve at such a rate that it will unquestionably be profitable to make these bridges as soon as possible from public funds, at any rate before the next settlement.
7. It is worth noting as a rather unusual feature that after having dropped to 28,000 in 1902, the number of cattle in the taluka has fully recovered to its former figure and is now about 45,000 . The rise of population in the last ten years has been greater than in any previous periods, and the amount of waste land which remains is negligible, and the area of fallow is remarkably low. The prices upon which Mr. Abbott relies run only to 1916. In the 11 $\frac{1}{9}$ years eince passed new records will have been established for everything, most of all for the chief crop, which is cotton.
8. Mr. Abbott has written his Report clearly, and deserves congratulation on this his first effort.

F. ANDERSON,<br>Settlement Commissioner and<br>Director, Land Records.

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No. A-1743/1917 or 1918.
Camp Mahabaleshwar, 9th May 1918.

## Submitted to Government in the Revenue Department.

2. When I wrote my remarks on the Shevgaon proposals I observed that the 33 per cent. rule would be found inadvisable when we came to the Khandesh revisions. I was thinking of Chopda. And now that Chopda is before us we can see what has happened. I have again ventured to criticise the 33 per cent. rule when sending on the Tasgaon proposals a few days ago. It is therefore unnecessary for me to say anything further here. It may however be noticed that Mr. Abbot's proposals entail an increase of 50 per cent. for the 29 villages of the old second group. How we can justify such an increase to this solid block of villages when we consider ourselves limited to 33 per cent. for the 20 villages of the old first group that remain now in our first group, I do not understand.
3. On the supposition that we are bound I think I should raise the maximum rates in such a way as to take as much as we can get-Rs. 3-11-0 or $5 \frac{\pi}{3}$ annas increase in the rupee for group I and so on:
C. N. SEDDON, Commissioner, C. D.

From

J. ABBOTT, Esquire, I. C. S.,<br>Assistant Settlement Officer, Khandesh ;

To

## The SETTLIEMENT COMMISSIONER, and DIRECTOR of Land Records, Poona.

Khed, West Khándesh, 27th February 1918.
Sir,
In accordance with order No. 5248 of 27 th April 1917, Government of Bombay, Revenue Department, I have the honour to submit for action under section 102, Land Revenue Code, proposals for the re-settlement of the three inám villages of the Chopda Táluka, district East Khándesh, all of which fall due for their second revision settlement.
2. The last and current settlement of these villages was made in 1890 under the authority of letter No. 942 of 1890 of the Survey Commissioner. By Government Resolution No. 6558-B of October 2nd, 1890, this settlement was guaranteed up to 1917-18, so that it expires along with the current settlement of the Government land in the táluka.
3. The villages of Galwada and Shendni at present are in Group I of the taluka and that of Narod is in Group II. In making proposals for the resettlement of the táluka I have so divided the existing Group I that the inám villages of Galwada and Shendni will fall well within the boundaries of my proposed second group. I accordingly propose now that the rates current in these inam villages be increased to the leval of the rates that I have proposed for the groups within which they fall. As my report on the taluka has embraced every circumstance I consider pertinent to a consideration of the re-settlement of the táluka it seems supererogatory to do much more than to invite attention to that report and its bearing upon the condition of the inam villages. A few individual facts peculiar to the inam villages however I add as appendices, but these facts being few I think are in many instances as easily expressed in a few words as in the ordinary form of appendix.
4. The effect of my new rates will be seen in Appendix L. The increase in each village will be as follows:-

|  |  | Rs. |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Galwada, |  |  |  |  |  |  |
| Shaximum | rate | $3-6$ | Increase | 22.68 | per cent. |  |
| Shendni | $"$ | $"$ | $3-6$ | $"$ | 22.73 | $"$ |
| Narod | $"$ | $"$ | $3-6$ | $"$ | 50.00 | $"$ |

These rates are uniform for the whole village in each case, as there is neither rice nor pátasthal land in the villages and motasthal land is assessed at dry crop rates.
5. Finally, I would recommend that the new settlement be guaranteed so as to expire with that of the Government villages of the taluka in 1947-48.

I have the honour to be, Sir,
Your most obedient Servant, J. ABBOTT, Assistant Settlement Officer, Khảndesh.

No. 836 of 1918.
Jalgaon, 5th April 1918.
Forwarded with compliments to the Commissioner, Central Division, Poona, in continuation of this No. 733 of 22nd March 1918.

G. MONTEATH, Collector of East Khándesh.

Poona, 16th April 1918.
Forwarded with compliments to the Settlement Commissioner and Director of Land Records with reference to this office No. A-1743/1917 of the 27th ultimo for favour of remarks.

A. K. NULKAR, for Commissioner, C. D.

## No. S. T.-181.

Poona, 16th May 1918.
Returned with compliments.
2. The undersigned agrees to the grouping proposed for these villages. Rs. 3-6-0 gives an inadequate increase to the Inamdar. The maximum rate should be Rs. $3-8-0$ as recommended by the undersigned for Group II of the Khálsa villages, please see paragraph 5 of this office No. S. T.- 181 of 25 th April 1918. If, however, this is not approved, then the inám villages also should be assessed at the rate approved for Group II.
> F. ANDERSON,

> Settlement Commissioner and Director of Land Records.

No. A-1743/1917 of 1918.
Camp Mahábleshwar, 23rd May 1918.
Submitted to Government in the Revenue Department with reference to this offioe No. A-1743/1917 of the 9th instant.
2. The Commissioner agrees with the remarks made by the Settlement Commissioner and Director of Land Records.

C. N. SEDDON,<br>Commissioner, C. D.

## APPENDIX D.

In Group I the agricultural stock numbers 307 head ; there are 22 sheep, 24 ploughs, of which 13 are large once ; 47 carts, of which 11 are for passengers. The plough cattle number 113.

In the village of Narod the agricultural stock numbers 71 head, the plough cattle being 36. There are 20 sheep, one large plough and 14 carts, of which are passengers.

## APPENDIX E.

Wells, budkis; tanks and other sources of water-supply.
There are nine wells for irrigation purposes and two for drinking supply. Two wells are in disuse.

## APPENDIX K.

Since 1890 the revenue demand has remained the same without remissions or outstandings.

## APPENDIX 4.

## Effect of Revision Settlement Proposals.

| Village |  |  | Marimum rate | Ares. | Amessment. | Incresan. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Re. |  |
| By former settioment- |  | , | 18 |  |  |  |
| Galvade ... | ... | ... |  | 468 | 886 | ...... |
| Shendeni ... | ... | ... | 212 | 486 | 915 | ...... |
| Narod ... | ... | ... | 24 | 603 | 568 | ..... |
| By zevision settlement- |  |  |  |  |  |  |
| Galvade ... | $\ldots$ | ... | 36 | 468 | 1,087 | 28-68 |
| Shendani ... |  | ... | 86 | 486 | 1,128. | 29.73 |
| Narod ... | ... | ... | 36 | 508 | 852 | 50.00 |

N. B. -Galvade contains 8 sores of moknthal land. The increase in the average assessament is as follows : Galvade annae 7-2; Shendeni annas 6-10; Narod annes 9-1.

## APPENDIX M.



East Khándesh.
Revision settlement of the Chopda taluka.

## GOVERNMENT of BOMBAY.

## Reqvenue Department.

Resolution No. 6904.
Bombay Castle, 1st July 1918.
Memorandum from the Commissioner, C. D., No. A.-1743-1917 dated 9th May 1918-Submitting, with his remarks, the papers specified below containing proposals for the revision settlement of the Chopda taluka of the East Khandesh district.

- Letter from Mr. J. Abbott, I. O. S., Assistant Slettlamant Officer, Fast Khándesh, dated 27th Fiebruary 1918 with accompanimente. Letter from the Collector of East Khándesh No. 793 dated 28rd Maroh 1918. Memorandam from the Settlement Commisaioner and Director of Land Records No. B. T.-181 dated 2sth Apriil 1918.
Memorandum from the Commissioner, C. D., No. A.-1743-1917 dated 23rd May 1918-Submitting, with his remarks, the papers specified below $\dagger$ containing proposals for the revision settlement of the inam villages of Galwada, Shendni and Narod in the Chopda tallaka of the East Khendesh district.
$\dagger$ Letter from the Assistant Bettlement Officer, Fast Khandesh, dated 27 th February 1918. Memorandum from the Colleotor of East Khándesh No. 896 dated 5th April 1918. Mamorandam from the Commigsionet, O. D., No. A.-17s9-1917 dated 16th April 1918. Mamorandum from the Setalement Commissioner and Direotor of Cond Becords Na. S.T. 181 dated 16th May 1918.
Letter from the Collector of East Khandesh No. 1557 dated 13th June 1918.
Rfsolution:-These papers contain proposals for the resettlement of 125 Government villages including the village of Vaizapur and of three inam villages in the Chopda táluka of the East Khandesh district. The current settlement is the first revision settlement in 121 Government villages and the three inam villages and the original settlement in the remaining villages.

2. The Assistant Settlement Officer has written a full and careful report on a settlement which presents few complications owing to the remarkable growth in prosperity throughout the taluka and to the very simple and logical grouping which, with a slight variation, has lasted since the original settlement. Government accept the general conolusion that the statistics given in the report and the appendices thereto justify the imposition of the full permissible increase in assessment.
3. The A ssistant Settlement Officer proposes to recast the present grouping. He would exclude 62 villages from the present group I and combine them with the existing group II to form his second group. This proposal is based on the ground that as regards commonications these 62 villages are less favourably situated than the other villages which would remain in the first group and that the sale and rent values of land, so far as can be gauged from the figures available, are lower. These sale and rent values are, however, sufficiently high to justify an enhancement of the assessment by one-third, while as regards communioations Government are of opinion that Mr. Abbott lays undue stress on the influence which the deep nullahs east and west of Chopda have on the profits of agriculture. Further, his proposals with regard to the new second group involve a 50 per cent. increase in the assessment of the 29 villages comprising the existing group II. For these reasons the Governor in Council considers that the present settiement is not an opportune time to make any change in the grouping and approves the proposal of the Commissioner, C. D., that the present grouping be retained and that the existing dry crop rates be raised by one-third in all the Government villages and in the three inam villages. The rates sanctioned by Government are shown in the appended statement.
4. As regards the village of Vaizápur, the Collector of East Khandesh should be requested to make further enquiry whether the application of an inforest settlement would not be advisable in the peculiar circumstances of the
village. Until the issue of orders on this point the present maximum rate should continue in force in this village.
5. The proposal made by the Assistant Settlement Officer for the transfer of the village of Sikval from the Shirpur to the Chopda taluka, whioh is supported by the Collector of East Khándesh, is approved. Steps should be now taken to incorporate this village in the Chopda taluka and the requisite notifications under the Land Revenue Code, the Indian Registration Act, etc., should be submitted to Government in due course. The maximum rate suggested by the Assistant Settlement Officer is approved.
6. The revised rates should be introduced during the current revenue year 1917-18, levied from 1918-19 and guaranteed for a period of thirty years.
7. The commendations of Government should be conveyed to Mr. Abbott for a report which bears evidence of careful and industrious inquiry.

Statement referred to in paragraph 3 above.


## A. F. L. BRAYNE, <br> Under Secretary to Government.

G. R. No. 6904, R. D., dated 1st July 1918.

To

| The Commissioner, C. D., <br> The Collector of East Khándesh, | $\begin{aligned} & \text { saso by en- } \\ & \text { dorsement } \\ & \text { No. } 6768 \mathrm{l} \end{aligned}$ | The Director of Agriculture, The Accountant General, The Pablic Works Department, |
| :---: | :---: | :---: |
| The Setlement Commis- |  | J. Abbott, Esq., I. |
| sioner and Director of | 1918. | The Government of India (by lett |

REVISED APPENDIX L.


PENDIX L.
pccupied land of Chopda Taluka of the East Khandesh District.





PENDIX L-concluded.


[^0]V. B. MARDHEKAR,

Superintendent, Land Records, C. D.

Effect of Revision Settlement Proposals on occupied land in Aliena

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{3}{*}{} \& \multirow[b]{3}{*}{Rfame of Village．} \& \multicolumn{15}{|c|}{By Former Sottlement．} \\
\hline \& \& \multirow[b]{2}{*}{} \& \multicolumn{3}{|l|}{Maximum tatea．} \& \multicolumn{3}{|c|}{Dry－crop．} \& \multicolumn{3}{|c|}{Bice．} \& \multicolumn{3}{|c|}{Garden．} \& \multicolumn{2}{|r|}{Totas．} \\
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\hline 1 \& \(\begin{array}{cc}\text { Group } 2 . \\ \text { Galwade Digar } \\ \text { Shendani Digar } \& \\ \& . . .\end{array}\) \& \(\mathbf{I}\) \& R8．A．D． \& \begin{tabular}{l}
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$\ldots$.
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 \& 

Ras． <br>
\hline 888 <br>
015
\end{tabular} <br>

\hline \& Total of Group No．L．． \& 1 \& 9180 \& ．．． \& ．．＇ \& 954 \& 1，801 \& 1148 \& $\cdots$ \& $\cdots$ \& $\cdots$ \& $\cdots$ \& $\cdots$ \& ．．． \& 054 \& 1，001 <br>

\hline $s$ \& $$
\begin{gathered}
\text { Group II. } \\
\text { Narod Digar }
\end{gathered}
$$ \& III \& 240 \& ．．． \& $\cdots$ \& 505 \& 568 \& 180 \& $\cdots$ \& $\cdots$ \& \& ．．． \& ．．． \& \& 006 \& 668 <br>

\hline \& Total of Group iNo．II． \& III \& 810 \& ＊＊ \& ．．＊ \& 505 \& 568 \& 120 \& ．．． \& ．．． \& ．．． \& $\cdots$ \& ．．． \& $\cdots$ \& 506 \& 568 <br>
\hline \& Grand Total ．．． \& $\cdots$ \& ．．． \& ．．． \& ．．． \& \& 2，369 \& 1100 \& ．．＇ \& ．．． \& $\cdots$ \& ．．． \& ．．． \& ．．． \& 1.459 \& 2，360 <br>
\hline
\end{tabular}

$L$.
Villages of the Chopda Taluka of the East Khandesh District.

V. B. MARDHEKAR,

Superintendent of Land Records, C.D.

## IINDE $\neq$ T $\downarrow$ THE CORRESPONDENCE RELATING TO THE SECOND REVISION SETTLEMENT OF BHUSAWAL TALUKA AND EDLABAD PETA.



No. S. R. of 1920.
From

> E. GAWAN TAYLOR, Esq., I. C. S.,
> Assistant Settlement Officer, Bhusaval Taluka and Edlabad Peta, District East Khandesh;

To
The COLLECTOR or EAST KHANDESH.
Jalgaon, 17th May 1920.
Sir,
I have the honour to submit proposals for the Second Revision Settlement of the Government and alienated villages of Bhusaval Taluka and Edlabad Peta.
2. As Bhusaval Taluka and Edlabad Peta have now becomè separate units for all purposes of administration excepting that of Local Boards, it seems unnecessary to retain any longer the use made of the term Bhusaval Taluka in previous settlement reports to convey the sense of the Taluka proper and the Peta in conjunction. As the system of grouping which I am proposing is determined by the differences between these two areas, the retention of this comprehensive use of the term would make comparison and contrast more difficult and so lead to confusion. I have therefore throughout this report and the appendices used the term Taluka to denote the Taluka proper as distinct from the Peta.
3. The primary facts about these areas are tabulated below :-

|  |  | Area in square miles. | Popalation. | Total No. of villages. | Government villager. | Alienated vilages. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bhusaval Taluka |  | 321 | 86,787 | 130 | 126 | 4 |
| Edlabad Peta | - | 249 | 39,833 | 114 | 111 | 3 |

The above table involves a correction of paragraph 2 of the Settlement Report of 1891, in which it was stated that Edlabad contained 91 villages only. But by Government Revenue Notification No. 1578 of 15th March 1875 the number of Edlabad villages was increased to 114. There has been no change in the numiber of Edlabad villages between 1875 and to-day.
4. The First Revision Settlement was introduced into the 237 Government villages by Government Resolution No. 4145 of 17th June 1891. The First Revision Settlement was brought into force in 6 alienated villages in 1896-97 and 1 alienated village in 1911-12. In every case the period of guarantee was to 1920-21. Proposals are here made for the Second Revision Settlement of 237 Government and 7 alienated villages to take effect from the year 1921.
5. No reclassification of land has taken place during the existing settlement.
6. The details of pôt hissa measurement work completed during the settlement period are:-

|  |  |  | Total number of mesourement operations completed. | Number of operatione pending. |
| :---: | :---: | :---: | :---: | :---: |
| - Bhusaval Taluka |  | - | 12,164 | 2,743 |
| Edlabad Peta |  | .. | 3,987 | 1,605 |
|  | Total | $\ldots$ | 16,151 | 4,348 |

Position and physical features.
7. Bhusaval Taluka and Edlabad Peta constitute an irregular block situated in the centre of the eastern border of the East Khandesh Collectorate. This area is bounded on the north by Rawer Taluka and a few niles of Yawal Taluka with the H 680-1
river Tapti between; on the west by Jalgaon Taluka with the river Waghor between; on the south by Jamner Taluka with small river Sur as part of the boundary line ; and on the east by the districts of Nimar, Akola and Buldana. The eastern boundary line is broken by a narrow projection extending twenty miles into the side of the Central Provinces.
8. The area is well served by rivers and streams on all sides except the south. The Tapti has a continuous flow throughout the year. The Purna and the Waghur have an unbroken, though smaller, flow in years of normal rainfall. There are many streams which retain during the hot weather sufficient water either in scattered pools or just below the surface of their beds to satisfy the needs of the villages on their banks. Of these the Bhogavati and the Sur are the most prominent. The Bhogavati follows a central course to the Tapti past the populous villages of Talvel and Warangaon. The Sur has a longer course before it reaches the Waghur, but it runs through hilly and țhinly populated country. The regions south of the Purna in the Peta, and south of the Bhogavati but north of the Sur in the Taluka, are not well supplied with streams.
9. There are four principal hill formations which, though not detached from one another, can be distinguished for the purpose of contrasting the land levels of the Taluka and the Peta. One is a rocky treeless ridge running from the mouth of the Waghur diagonally across the Taluka to its centre and mostly reserved for grazing as being useless for cultivation; the other three are hill ranges under forest. Of these one lies along the south of the Taluka from the Waghur nearly to Bodvad; another forms an irregular boundary between the Taluka and the Peta; and the last traverses the northern side of the eastern projection of the Peta.

The Peta is more hilly than the Taluka and more difficult to approach from surrounding areas. One reason for this difficulty of access is that the boundary range between the two fringes Bhusaval while it spreads all over the west and south of Edlabad. Another reason is that whereas all the hills of Bhusaval are crossed by cart tracks, the hill range in the far east of Edlabad is on account of its steepness not open to heavy traffic. A third reason is to be found in the course of the Purna which presents an obstacle between eastern Edlabad and its best markets.
10. The soils and sub-soils of both Taluka and Peta show great variety. There are four principal soils which may be arranged in the following descending order of fertility : black soil, a rich brown soil, a poorish light brown murum soil, and yellowish soil containing a large element of chalk. Black soil is found along the whole stretch of the Tapti bank extending inland from the river for widths varying from one to three or four miles. It reaches its greatest depths in the neighbourhood of the town of Bhusaval and the village of Anturli in the north of the Peta. Near both these places survey numbers with six feet black soil may be found. Away from the Tapti black soil is found in scattered formations but these formations are much less dense and continuous than those to be found in the central lands of the border Taluka of Rawer. Throughout Bhusaval and Edlabad the distribution of black soil is so uneven that alternate streaks and patches of good black soil and poor murum soil can be frequently found in the smallest sub-division of a survey number. The only point about the three inferior soils that need be mentioned here is that the poorest cultivated soils are proportionately more common in Edlabad than in Bhusaval being found in large quantity among the western and southern hills of the Peta, and on the banks of the Purna.

## Climate.

11. The best tribute to the climate is the general appearance of the cultivators when seen in large numbers at bazaars or fairs. They look a strong healthy people. They are troubled to some extent by malaria in the cold weather, but the hot season, which visitors to Khandesh sometimes find trying, suits the health of the permanent residents. The only area which has had an unhealthy reputation lies between the Purna and the hills on the eastern border. The compilers of the Gazetteer of 1881 speak of the deadly climate of this track and refer in illustration to repeated failures to recolonise the deserted villages of Charthana and Wadhode. The correctness of the illustration seems open to question. For instance, Wadhode is now
a village with a population of $\mathbf{2 , 6 0 0}$. Its appearance does not suggest that it was deserted forty years ago nor have its old men any memories of a time when it was deserted. However, there is ho need to doubt the general accuracy of the statement that this area had a dangerous climate. It appears that the degree and area of unhealthiness have been reduced since 1891 by the clearing away of much bush jungle in that track. At present only the country round Charthana and Dhamangaon remains more malarious than the rest of the area under settlement, but this unhealthiness is only felt by certain castes. The Wanjaris and Kolis living there are not adversely affected.

## .. Rainfall.

12. Appendix A shoys the average rainfall of the last nineteen years to have been 29.55 inches in the Taluka and 26.22 inches in the Peta, a difference of 3.33 inches in favour of the Taluka. The difference occurs within the period of the early rain between the 1st June and the 14th August. The later rain from the 15th August to the 21 st October has. been much the same in quantity in both areas. Although no separate figures for the rainfall in the two areas have been given in the report of 1891, the inferiority of Edlabad in respect of quantity was insisted on by the Settlement Commissioner at the time and has persisted unchanged.
13. The only seasons in which the failure of rain has been so serious as to occasion the employment of famine machinery were 1896-97, 1899-1900 and 1918-19. The only complete failure of crops was in 1899-1900. In that season the rain amounted to $7 \cdot 10$ inches in the Taluka and $7 \cdot 22$ inches in the Peta. In the other two seasons only part of the crops failed. In the year 1911 the rainfall was only 11.94 inches in the Peta as against 26.03 inches in the Taluka, but it was not found necessary to suspend any revenue. In short, although the character of the rainfall must be described as uncertain, from the point of view of revenue administration there have only been three serious rain failures in thirty years. Cultivators have a habit of complaining that the rain of recent years, though generally sufficient in quantity, has not been so evenly distributed in the times of its fall as to satisfy the needs of the two chief crops, cotton and jowari. But the fact is that these two crops have very different requirements in point of rain, and it is only an exceptional fall which can satisfy all the needs of both of them.

## Cultivation and crops.

14. During the settlement period there have been considerable changes in the acreage of the principal jirait and bagait crops. The following table of figures, taken from Appendix $B$ and representing the average acreage of these crops for the last five years, shows what these changes have been :-

| - |  |  | Increase since 1891. |  | Decrease since i891: |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Aoreage. | Percantages to total cropped area. | Acreage. | Peroentage to total oropped ares. |
| Cotton | - | - | 32,219 | 12.40 | *** | *** |
| Pulses | $\cdots$ | $1 ;$ | 24,875 | 10.39 | -••• | $\ldots$ |
| Jowari | $\cdots$ | -• | -••• | - | 13,858 | $7 \cdot 01$ |
| Wheat | . | -• | . $\cdot$ - | '... | 9,616 | $4 \cdot 29$ |
| Linseed | $\bullet$ | $\bullet$ | $\cdots$ | * | 7,422 | 3-26 |
| Bajri | - | -• |  | $\cdots$ | 3,676 | 1.88 |
| Gram | -* | -• | *.. | . $\cdot$. | 1,582 | $\cdot 4$ |

The increase in the total cropped area calculated by contrasting the figures of 1891 with the average figures of the last five years amounts to 20,635 acres. The fact that 18,533 acres have passed from Government waste to cultivated land
since 1891 accounts for the bulk of the increase of the cropped area. The increased acreage under cotton and pulses is made up, partly from land first brought under cultivation, partly from land which was formely sown with jowari, wheat and linseed.
15. The reason for the increased popularity of cotton is to be found in its. rise of price during the last twenty years. Cultivators have increased the cultivation of cotton at the expense of all food-grains excepting pulses. The principal food of the people is jowari and tur. Jowari is sown in just sufficient quantity to satisfy the needs of the cultivators, their families and their servants in years of normal rainfall. It, is only in years of exceptionally good harvests that they have any considerable amount of jowari for sale. Tur, the chief pulse crop, remains popular because it can be grown along with cotton without injuring the growth of cotton. Wheat and bajri are only eaten by companatively few people. Wheat needs more attention than cotton, and so there has been no force present to prevent the decline in its area from 12,217 to 2,601 acres. Bajri will grow well on poor land which would not yield a profitable crop of cotton or jowari and so it has only fallen from 20,384 to 16,708 acres. Linseed used to be grown as a kharif crop on land subsequently sown with rabi wheat, and has therefore declined in area as wheat gave place to cotton.
16. Bagait crops, namely, chilis, sugarcane; pan, castor fruit and vegetables; occupy a very small area. Their area was 1,563 acres in 1891. It is now 2,355 acres, made up of 1,384 acres in the Taluka and 971 acres in the Peta. Central Bhusaval, particularly in the area round Talvel, has much land which by reason of its rich soil and the probability of finding water at an easy depth is very suitable for bagait crops. But cotton profits are easily gained and cultivators are not economically pressed to take full advantage of the bagait possibilities of the Taluka. On the other hand, the Peta is handicapped by its distance from markets which will give a good price for its garden produce. The only village in the Peta where gardens are numerous is Wadhod which has easy access to Berar markets. There are many wells in the east of the Peta which could be profitably used for irrigation if there were markets sufficiently accessible to make the business pay.

## Modes of husbandry.

17. The time-honoured methods of cultivation remain unaltered but there has been some improvement in economic management. If has often in the past been made a reproach against Khandesh Kunbis that they spend the profits of good seasons in wipins off the arrears of festal ceremonies which have accumulated in bad years. But this could not now be charged against the sub-caste of Kunbis called Leva or Reva by themselves and Pajana by their enemies. They are only a small sub-caste, and the number of them in the Peta is negligible as far as their influence is concerned. But in the Taluka by a tightening of caste discipline and by their prohibitions against liquor drinking and other forms of extravagance they have lately set an example to other cultivators of the possibility of saving money in prosperous years to meet the emergencies of bad seasons. They have during the last five or six years sharply distinguished themselves from the larger subcaste, Tirole Kunbis, and though they are comparatively few they have made their influence felt.
18. Some remarks are required as regards the comparative size of holdings. The following table gives the information in summary form: Each holding enumerated is made up of all the lands held on occupancy right by one man, however they may be distributed in different villages.


A holding paying an assessment of Rs. 25 may be regarded as economic. The average assessment of the whole area under the existing settlement is Rs. 1-7-10. It may therefore be assumed that an average holding of 17 acres is economic. It is not possible however to use this fact to draw from the above table exact conclusions as regards the ratio between economic and uneconomic holdings. For
conclusions regarding this ratio are misleading when deduced from the number of holdings of different sizes on ocoupancy tenure and not modified by reference to the existing system of renting lands. (Continual sub-division of holdings has had very bad results for Mahars and poor cultivators generally. -But cultivators of moderate means frequently increase the size of their holdings by renting land for long terms of years from large holders, and the prevalence of this system does something to counteract the injurious effect of minute sub-divisions.)
19. Regarding the subject of the proportion of land held by agricultural and non-agriculturists the following are the summarised figures:-


These figures also have onty a limited value. The accepted definition of agriculturlist is ":a person who depends mainly on agriculture for his livelihood." What we want to know is how far the ownership of the land is with men who cultivate it either with their own hands or by the agency of their servants. But what has happened in Khandesh is that as cotton profits have risen many moneylenders have reduced their money-lending business and begun to invest in land. The interest which they derive from leasing their lands hascome to constitute the bulk pf their income.) They therefore become classed as agriculturists even though they do not farm the land themselves or by their servants. In this way the figures are vitiated. However, taking a broad view of the subject it may safely be said that agriculturists are not now under serious pressure to convey their lands to non-agriculturists in order to get credit. For there are among Kunbis a number of big land owners who carry on a regular money-lending business and many more who without calling themselves money-lenders give loans to their tenants in times of need. By going to them a Kunbi can often get money on easier terms than if he were obliged to go to men of a different caste. It is also worthy of notice that there are now 21 Co-operative Credtit Societies in the Taluka and 20 in the Peta and these have done much to simplify the question of credit.

## Communications-railways, roads and ferries.

20. The railway communications are the same as in 1891. The G. I. P. Railway line after passing Bhusaval Station divides into two branches, of which the northern branch crosses the Tapti a mile from the point of division, while the southern branch goes nearly through the centre of the Taluka. The southern branch on its way to Nagpur passes two stations in the Taluka, Varangaon and Bodvad, and threestations in the district of Buldana, namely, Khamkheda, Malkapur and Biswa, all of which are useful either to the Taluka or the Peta, as the course of the line after leaving Bodvad is nearly parallel to the Purna. Khamgaon Station on the branch line from Jalamb is also of use to the Peta.
21. During the last 30 years the roads in the Taluka have received much more attention than those in the Peta. In the Taluka the only principal connection which still remains in its rough and primitive condition for the greater part of its. length is the southern country road from Bodvad to Nasirabad via Bhankheda and Kurha. Something however has been done to remedy the stretch between Bodvad and Bhankheda by the Taluka Local Board in treating it as a section of the improved country track between Bodvad and Varangaon. The other main connections, namely, the Bhusaval-Jamner, Bhusaval-Varangaon, and Bodvad-Jamner roads, have all been given new or improved metal surfaces. As regards secondary connections a metal led road has been constructed between Bodvad and the big cattle bazaar of Jamthi. There are thus four metalled roads in the Taluka as against one in the Peta, namely, the Edlabad-Nadgaon road. This road was in existence but in bad repairs in 1891 and fas since been put into order. The only other route in Edlabad on which any considerable amount has been spent is that between Chinchlsheda and Vadhoda. Part of this track was embanked as a famine work before 1900, but it remains in a bad state on account of the numerous. nalas which intersect it. It is true that the Peta roads are to receive more attention.
in the future. The Varangaon-Edlabad road will soon be finished. The Edlabad-Ghodasgaon-Chikhali road will soon be begun. A road, between Edlabad and Burhanpur which is under consideration may possibly be made during the coming settlement period. But even when all these roads are ready, the Peta will still be worse off for communications than the Taluka. To realise this it is only necessary to contrast the shapes of the two areas, the courses of their rivers and the arrangements for crossing their rivers.
22. The important connections are those between the trading centres. Now Bhusaval is of a compact shape. Each of its roads serves the needs of people living over $a \cdot$ wide area. Edalabad is composed of three prongs of land. In the eastern prong east of the point where the Purna becomes the boundary line there are no good roads existing and there is no project to construct any new road there at present. The track routes from there run due south and the people living there can hardly make any use of the western roads for trade purposes. These trade routes cross the Purna which is unbridged. The trade routes in north Edlabad cross the Tapti which is also unbridged. It is true that there are ferries over both these rivers at intervals but as they are not much used for trade they are not of importance in the present enquiry. The Edlabad rivers are therefore a serious hindrance to trade. On the other hand the construction of the causeway on the Yaval road has given Bhusavial Taluka an easy connection with the Trans-Tapti talukas. For all these reasons Bhusaval Taluka is bound to remain more easily accessible than Edlabad Peta for as long a time as need be considered here.

## Markets and Fairs.

23. The markets of eminent importance to the cultivator are the cotton markets. The cotton goes principally to the following markets : from the Taluka to Bhusaval, Varangaon, Bodvad, Faizpur and Malkapur as determined by proximity and the prevailing rates; from the north of the Peta to Raver and Burhanpur; from the centre and south of the Peta to Edlabad, Bodvad and Malkapur ; from the east of the Peta to Malkapur and Khamgaon. As the amount of cotton which goes to Edlabad and Bodvad from the Peta is small, the bulk of the Peta cotton has to cross the Tapti on the Purna to reach its markets. The only one of these crossings which has a metalled road leading to and from it is the Tapti ferd on the way to Burhanpur. The Tapti fords at Shemalda and Narvel on the way to Raver and all the Purna fords for the southern markets are situated between banks so steep and slippery that carts with heavy loads cannot climb them. Therefore carts have either to travel light or to leave part of their loads at the foot of the ascending bank and after taking the remainder to the top to return for what they have left. When a cart has to be unloaded and reloaded in this way, the time which it takes to make the crossing from bank to bank has been estimated to be one hour. Looking at all the advantages which the Taluka has over the Peta, namely, internal, markets for the greater part of its produce, a central railway connection and unbroken routes to external markets, it is easy to see why the people of the taluka have become the more prosperous of the two.
24. The largest annual fairs are held at Bhusaval and at Kothali and Changdeo in the Peta. These are however frequented by great numbers of visitors from the Central Provinces and are not distinctively Khandesh celebrations. A glance at the leading bazaars of the Taluka and Peta gives a better idea of the comparative prosperity of the two areas. The capital of the Taluka is primarily important as a railway junction and an industrial centre which attracts a large force of workmen from the Deccan and Northern India. But it has also to be considered as a market town of local prominence. Like Varangaon, Bodvad and Jamthi, it has a bazaar in which goods to the value of more than Rs. 5,000 change hands weekly. Like Bodvad also it is a cotton dealing centre for most of the surrounding villages. Jamthi has a cattle market to which merchants and customers come not only from East Khandesh but also from Buldana Talukas. Varangaon is the second cattle market in importance after Jamthi in the area under settlement. Turning to the Peta we find a very different state of things. Its capital is an out-of-the-way village without importance or trade excepting the little cotton which goes to the single ginning factory there: At none of the principal bazaars, namely, Edlabad, Anturli and Kurha, does the value of the produce sold reach the figure of Rs. 5,000.

## Imports and exports.

25. The chief imports are grain, timber, coal, cloth, oil, sugar, salt and other necessaries. The chief export is cotton. Grain is only exported in any considerable quantity in years of exceptionally good harvests. No figures for the import and export of goods to and from the three Taluka stations have been given here for the following reasons. First, no figures have been given in the report of 1891 and so no comparisons are possible. Secondly, we cannot get figures of the amount of Khandesh cotton despatched from the stations of Malkapur and Khamgaon. Without this information the figures for the three Khandesh stations would be misleading.

The importance of Bhusaval as a station of import and export for the adjoining taluka of Yawal is worth notice. Yawal has only one small station on the railway, namely, Duskheda. The" amount of goods which go to and from Yawal via the Tapti causeway is always large but especially large in years when the Yawal grain crops fail.

## Manufactures, industries and shops.

26. There are no manufactures worth consideration excepting the production of cotton lugadis by the home weavers of Varangaon who still manage to make a living out of their trade in spite of the competition of imported mill made lugadis.

The chief industry is that of ginning and pressing cotton. Hand gins have entirely given place to machine gins, a change which was in progress in 1891. There are seven ginning and three pressing factories in the Taluka as against one ginning factory in the Peta. The total number of factories has increased from 5 to 11 during the settlement period. The gins are worked partly by Khandesh labourers and partly by labourers from the Deccan. Khandesh labourers usually prefer field work when they can get it on good terms. Examples of this fact are to be found not only in the working of the gin factories, but also in the repairing workshops at Bhusaval. Out of 898 labourers employed in the Locomotive Workshops only 394 are Khandeshis.
27. Appendix $E$ shows the number of liquor shops in the Taluka to be 14 now as compared with 16 in 1891. The consumption of liquor in 1917-18 is reported as 61,079 gallons. The destruction of records makes it impossible to institute any comparisons with earlier years as no figures of consumption are available for any year before 1910. However, the figures for 1917 may be compared with those of the scarcity year 1918-1919 which were 45,029 gallons. It is noticeable that in a year of partial crop failures and exceptionally high prices the people were still able to buy as much as three quarters of the normal amount of liquor annually drunk.

## Schools and Education.

28. The following table shows the progress made as regards the total number of schools and attendance in the Taluka and Peta:-

Government and Municipal Schools.

|  |  | Boys. |  | Girls. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1889-90^{-}$ | $\ldots$ |  |  | No. of <br> Schools. | Average <br> attendance. | No. of <br> Schools |
| $1918-19$ | $\ldots$ | $\ldots$ | 37 | 1,371 | 1 | Average <br> attendance. |
|  | $\ldots$ | $\ldots$ | 71 | 4,273 | $7^{-16}$ | 312 |

There has also been an Anglo-vernacular school instituted at Bhusaval under the control of the Municipality which has an average attendance of $\mathbf{1 6 5}$. Out of 71 schools 49 are in the Taluka and 22 in the Peta.

In the Taluka the people are generally interested in education, and the chief difficulty is rather in providing sufficient school buildings than in procuring good attendances. In the Peta many castes are still apathetic about education and send their children to work in the fields instead of sending them to school.

Population and health.
29. The joint population of Taluka and Peta was-

| 1881 | $\ldots$ | 64,774 |
| :--- | :--- | ---: |
| 1891 | . | 114,011 |
| 1901 | . | 109,315 |
| 1911 | . | 126,620 |

The nearness of the next census makes it impossible to give reliable figures for the present year.

The Taluka and the Peta have been attacked both by cholera and plague between 1891 and 1911. The worst attack of cholera was in 1899-1900 and of plague in 1902-03. The mortality caused on these occasions was:-

|  | Cholera in 1899-1800. |  | Plague in 1902.03 |
| :--- | :---: | :---: | :---: |
| - | . |  | 551 |
| Bhusaval Taluka | .. | 343 | I |
| Edlabad Peta |  | 296 |  |

There was a fall in the joint population between 1891 and 1901, but an increase between 1901 and 1911 which brought the population to a figure exceeding that of 1891 by more than 12,000 .

The rise in population between 1901 and 1911 was well distributed between the two areas as the following figures show:-

|  |  |  | 1901. | 1911. |
| :--- | :--- | :--- | :---: | :---: |
| Bhusaval Taluka.. | $\ldots$ | 76,943 | 86,787 |  |
| Edlabad Peta | .. | .. | 32,372 | 39,833 |

30. The severest-attacks of disease between 1911 and 1919 have been plague in 1917 and influenza in 1918. The number of deaths caused was:-

Plague in $1917 . \quad$ Influenza in 1918.


Between 1911 and 1919 the avarage birth and death rates per mile were :-

|  |  |  | Birth rate. | Death rato. |  |
| :--- | :--- | :--- | :---: | :--- | :---: |
|  |  |  |  |  |  |
| Bhusaval Taluka . . | .. | 46.45 |  | 44.18 |  |
| Edlabad Peta | .. | .. | 49.33 | . | 45.74 |

As there has been no emigration to speak of since 1911 and as the material prosperity of the Taluka and Peta has been increasing, it might be expected that the population figures at the 1921 census will show considerable increase upon those of 1911. But owing to the terrible nature of the influenza attack the increase in 1921 can only be slight. The total number of deaths from plague in the Taluka and Peta between 1901 and 1918 was 9,901 . The total number of deaths from influenza was 6,907. Influenza therefore in three months carried away more than twothirds of the total number destroyed by plague during its almost annual visitations for 18 years.
31. With regard to the different elements of the total population in 1911 $89 \cdot 1$ per cent. were found to be Hindus, $8 \cdot 5$ per cent. Musalmans. The remaining 2•4 per cent. were made up of Christians, Zoroastrians, Jews, Animists and others. More than $2 / 3 \mathrm{rds}$ of the total population depend for their living on agriculture, either as owners, or as persons with an interest in the land or as labourers. There is no distinction between the principal land owning and labouring castes. The same castes supply both classes of persons.

## Live and Dead Stock.

32. The number of cattle fit for all kinds' of field work was returned as :-

| 27,114 | in | 1891. |
| :--- | :--- | :--- |
| 14,828 | in | 1900. |
| 22,925 | in | 1910. |
| 24,282 | in | $1919-20$. |

The decrease in 1900 was due to the mortality of the famine year 1898-99. Recovery between in 1901 and 1910 was rapid. Cultivators did not take much interest in cattle-breeding, but as the price of cotton rose, they acquired the means to import what animals they wanted. The cattle mortality of the year of scarcity 1918-19 was mostly confined to animals unfit for work and so does not affect our figures. The number of cattle is generally sufficient for the needs of ćultivators. However, no proportion can be struck between the number of land-holders and the number of working cattle. For many cultivators who could afford to keep a yoke of oxen do not do so but regard it as more economical to hire them when required.

The figures for milch cattle are not very enlightening. They have been returned as:-

> 23,671 in 1891.
> 6,681 in 1900.
> 23,920 in 1910.
> 22,900 in 1919.

But these figures include immature and senile animals and so are not a correct guide to existing conditions. The fact that Khandesh ghee is three rupees a sher, and milk four annas a sher throughout the Taluka at the time of writing indicates the shortage of milk. As the breeding and fodder of cattle are subordinated to the interests of cotton cultivation there is nothing surprising in this shortage.
33. Appendix $\mathbf{D}$ shows that the number of goats and sheep is nearly doubled, a number of ploughs is increased by 300 ; a number of carts is about one and half times what it was in 1891. It has always been a characteristic of the Khandeshi that he rides where the Deccani walks. In 1891 the number of carts was double what it had been at the time of the original settlement. The continuation of this increase is a good sign of the prosperity of the times.

## Water supply.

34. Figures regarding the cultivation of Bagait land irrigated by wells have already been given. The only large area of land irrigated by pats, measures 359 acres 15 gunthas, is watered by the Hartala tank, and has its assessment settled by the Public Works Department. There are five acres of patasthal land assessed by the Revenue Department at Gombhi and Rawat Chinchol in the Taluka, but they are not now due for re-assessment.
35. The only question of importance from the present stand point is that of the supply of water for drinking and other domestic purposes. In years of weak rainfall there is a shortage of water in the south of the Taluka and the south of the Peta. In this area the wells are mostly deep and sunk in hard rock strata. The work of deepening them is expensive and troublesome and in years of water failure the villagers are often obliged to desert the gaothan wells and fetch their water from field wells. Their women folk are put to great trouble in having to make these long journeys to and from the fields. Mahars also are much troubled by the water shortage as their own shallow wells dry up first and they have to depend for water on the courtesy of the Kunbis.

## * <br> Value of land.

36. To obtain the details of transactions recorded in appendices $G$ and $H$ information lias been taken from the Record of Rights in 36 taluka villages and 21 peta villages. The villages selected represent the geographical; agricultural and commercial variations of different parts of whole area. The information collected was amplified and corrected from enquiries made with the village officers. Entries referring to irrigated land, entries influenced by personal considerations and entries differing in nature from what they purport to be have been excluded. It was noticed that the value of land has risen more rapidly between 1914 and 1920 than at any other epoch of the past settlement period. For cultivators impressed by the rapid rise in the price of cotton since 1914 have bought land at such speculative prites and taken land on such high rents that the value of land has become inflated. To avoid averages unduly influenced by such speculations, sale and lease transactions
have been recorded between the years 1909 and 1919 on the following principle. About 2/3rds of the entries recorded in the appendices have been taken from years 1909 to 1914 and about $1 / 3$ rd from the years 1915 to 1919. After taking all these precautions it was still found that not much more than one quarter of the entries originally examined could be admitted into the appendices. The fact is that business men who realise the evidential value of the Record of Rights take pains to get information correctly entered, while poor and ignorant men take little or no interest in the record. The result is that entries referring to the lands of the poor and ignorant are frequently inaccurate.

Figures have been separately collected for the Taluka and Peta. The figures taken for 1891 report referred to the whole area only. Exact comparison is not therefore possible.

The value of land ascertained from sales.
37. The following comparative table shows the history of an average acre of land:-


Taking for comparison the present average sale price for the whole area, namely Rs. 104, we find that the value of land measured in terms of rupees is now five times what it was in 1891. When cgnsidering the amount of this increase, the diminution of the value of the rupee itself has to be borne in mind. But even when allowance is made for the lowering of our standard of valuation, the increase in the value of land is still remarkable.
38. Comparing the figures for the Taluka and the Peta separately, much importance should not be attached to the average sale price alone. The sale price considered as a multiple of assessment is the true standard for comparison. Judged by this standard it will be seen that the value of land in the Taluka is 12 per cent. higher than that of land in the Peta.

The prices paild for the best land in the Taluka are very much more than those paid for the best land in the Peta. In the Taluka Rs. 833 were paid for an acre of jirait land near Warangaon, while in the Peta the highest price appearing in the transactions selected is Rs. 385 for land near Anturli. The area of land subject to such high priced transactions is strictly limited. Land sold at prices of more than Rs. 500 an acre in the Taluka was only found in the country surrounding Bhusaval and Warangaon. Land sold at prices of more than Rs. 300 an acre in the Peta was only found in the neighbourhood of Anturli, Changdev and Kurha.
39. Although the most valuable land in the Taluka is worth twice as much as the most valuable land in the Peta, the value of an average acre in the Taluka is not much above the value of an average acre in the Peta. It might have been expected that the disadvantages which the Peta suffers in respect of its communications would have had the effect of lowering the price of land there very much below 'what it is in the Taluka. But there is a counteracting force which prevents this. The Kunbis of the Peta are just as anxious to be cultivators as those of the Taluka. They regard the status of the labourer as less respectable than that of the cultivator. If they can manage either by buying land or by renting it to get sufficient to form a barely economic holding they will not go out to labour. The result is that land even in remote parts of the Peta can always find a purchaser. In short the keenness of the demand in the Peta often forces up the price of land higher than the intrinsic value of the land appears to deserve. For the demand of the purchaser is influenced not only by commercial motives but also by a social motive, namely, the wish to command respect in the neighbourhood in which he is living.

## The value of land ascertained from leases.

40. The information collected has regard to cash leases only. Produce or batai leases are in a small minority. They are unpopular because they give rise to so many quarrels about the divisions of the produce, where as the cash rent can be easily determined and easily collected.7 Rents recorded are net rents. That is to say where the assessment is payable by the land lord, that amount has been deducted from the rent before recording.

The results arrived at are :-

|  |  | Year. | Average rent of acre ofland. | Rent as multiple of esegsament. |
| :---: | :---: | :---: | :---: | :---: |
| Bhusaval Taluka and Edlabad Peta |  | 1891 | 6-14 | 5-3 |
| Bhusaval Taluka |  | 1909-14 | 7.75 | 6-99 |
| Edlabad Peta | . | 1909-14 | 9-43 | 6-12 |

It is impossible to accept the figures of 1891 as correct. They appear to be much too high. As Mr. Loch, Collector of Khandesh, remarked in his No. 3162 of 4th/5th May 1891 when submitting the Settlement proposals " I feel sure that land which can be bought for Rs. 21 an acre cannot be let for Rs. 6 or Rs. 7 an acre, and that enormous profits cannot be made out of investments in land ". It looks as if rent transactions about bagait land had crept in and vitiated the figures of 1891, and it is therefore advisable to disregard them. It may be taken as certain that rents have risen considerably since $1891^{\circ}$ although it is impossible to say exactly what the rise has been. For it would be inexplicable if rents had remained stagnant while land prices rose. Further, our figures show that rents have risen between 1909 and 1919 and there is no reason to believe that the rise began in 1909. It may be assumed that the rise became noticeable after'1900, when the cultivators had recovered from the effect of the famine and land prices were beginning to rise also.
41. Taking the relation of rent to assessment as the standard for comparison of the Taluka and Peta figures, it will be seen that the Taluka figures are only higher by 87. This difference is less than the circumstances of the two areas would lead one to expect. Here again the cause must be found in the eagerness of small cultivators to acquire sufficient land to become temporarily independent and their preference for working in their own lands as masters rather than on the lands of others as làbourers.

## Crop Production.

42. It is not possible to give any figures arrived at by experiment as there is no model farm in the Taluka or the Peta, and figures taken from the Jalgaon farm would be misleading.

However an estimate based on general experience may be given for the outturn of the two principal crops. Cotton soil of average quality yields from 4 to 5 maunds an acre. From the same soil the out-turn of jowari would be about one máp. At the time of writing the price of cotton is Rs. 12 a' maund. The gross yield from an acre of cotton would therefore be about Rs. 60. The present price of a máp of jowari is from Rs. 50 to Rs. 51.

## Prices.

43. Appendix I shows the annual price of jowari, bajri, wheat, turdal, gram and sesame since 1888. Two graphs have been prepared to show the fluctuations in the price of the principal staple cotton and the principal food grain jowari since that year. The rise in the price of cotton has been from Rs. 4-8-0 to Rs. 20 a maund between 1888 and 1919. The effect of war conditions after the first unsettlement of the markets had passed away ran up the price from Rs. 10 to Rs. 20 a maund. But between the beginning of 1920 and the time of writing the' price has fallen to Rs. 12. The rise in the price of jowari during the period 1888 to 1919 was from Rs. 1-4-0 to Rs. 8 a maund. The sudden rise from 5-8-0 to Rs. 8 in $1918-19$ was due to difficulties of transport caused by war conditions. But by April 1920, the price had fallen to Rs. 5 a maund.
44. A consideration of present prices raises the question how far the increased cost of living and cultivating should be regarded as a set off against the cultivator's profits from the increased value of cotton. As the cultivator lives mainly on jowari and tur and grows enough of them for himself and his dependants, in normal years he is not much affected for the worse by the rise in the price of food. He has to pay more for his labourers, his bullocks and his carts. He has also to pay more for his clothes, his pots and pans, his oil and his luxuries. But as he still lives a simple life, his expenses on these accounts do not outweigh the advantages he derives from the increase in the value of cotton.

## Wages.

45. It is unnecessary to enumerate the wages drawn by artisans, railway ${ }^{\circ}$ workers and labourers in the ginning factories. For all these put together are only few in comparison with the large number of agricultural labourers. From the stand point of the present settlement. What is of important is the rise in the pay of the field labourer with reference to the increasing costs of cultivation.

Agricultural labourers are of two classes, those who receive their wages partly in food and partly in money; and those who receive their wages wholly in money. The first class predominates in small villages; the second in large villages. Labourers of the first class are protected against the adverse effects of rising food prices by the terms of their contract. Labourers of the second class have no such protection, and they have been obliged to force up the price of labour rapidly in self defence. The labour rates given below refer tathis second class. No rates have been quoted in the report of 1891. From the Administration Reports written between 1905 and 1910 it appears that men were drawing from three to four annas and women from two to three annas for a day's work. In Mr. Jolly's Settlement Report of Raver in 1915 the average wage of a daily labourer, presumably male, is given as four annas and yearly wages as between 70 rupees and 100 rupees. At the present time averaging the wages of the busy and the slack seasons men get eight annas a day and women five to six annas a day. Adult yearly labourers draw an average pay of about 160 rupees.
46. It cannot be argued that increase in the pay of labourers has been accompanied by increased efficiency in their work. The character of the work of many Labourers is as clearly defined as their caste. For instance Kolis and Bhils are known to be averse from hard or continuous field work and an increase in their pay has not changed this characteristic.

From enquiries I found that the increased cost of cultivation was more often the subject of complaint in the Peta than in the Taluka, The reason for this seems to be that in the greater part of the Peta the nearness of the forest makes field watching more widely necessary than it is in the Taluka. The pay of a Bhil or Koli watchman which was formerly four or five rupees is now seven or eight rupees. Where the holding of a cultivator consists of scattered lands and he has to employ more than one watchman he finds the increase in his expenses heary.

## Revenue History.-Explanation of variation in occupied area and revenue.

47. From Appendices $M$ and $B$ we can summarise the following results :-

|  |  | Ares of <br> ocoupied land. | Assesement of <br> occupied land. |  |
| :--- | :---: | :---: | ---: | :---: |
| - |  |  | Acres. | Rs. |

The increase represents the area taken up for cultivation between 1891 and 1919 from Government waste land, both assessed and unassessed.

The increase in the total cropped area has been 20,635 acres. For in addition to waste land taken up for cultivation a considerable area of occupied but uncultivated land has been brought under cultivation. The area of Government assessed
waste is now in the Taluka 2,819 acres and in the Peta 6,323 acres. Practically all land, not required for grazing or reserved for military purposes, which is capable. of yielding a profitable crop has now been brought under cultivation.

## Remissions of Land Revenue.

48. There have been no permanent remissions. The following summarisation from Appendix K shows what the casual remissions have been :-

## -

|  |  |  |  | Rs. |
| :---: | :---: | :---: | :---: | :---: |
| Total amount remitted between 1891 and 1 |  |  |  | 62,017 |
| Subtract remissions duè to introduction of first Revision Settlement |  |  |  | 58,788 |
| and Remission given to recruits | $\cdots$ | . |  | 11 |
| . Remainder was remitted in connection with famine or scar- |  |  |  |  |
| Bhusaval | $\cdots$ | $\cdots$ |  | 161 |
| Edabad | $\cdots$ | .. | .. | 3,057 |

1896-97 was a year of partial and 1899-1900 a year of general famine. 1918-19 was a year of scarcity. In all three years large suspensions of revenue were given in the Taluka and the Peta. But the bulk of these suspensions was recovered. The Taluka figure of the amount remitted is in considerable. The Peta figure of remission is made up mainly from two amounts Rs. 264 in 1898-99 and Rs. 2,732 in 1901-02. At the time of writing nearly the whole amount suspended in 1918-19 has been recovered and no remissions are anticipated.
49. Experience has shown that although the Taluka and the Peta have been liable to occasional periods of scarcity which have necessitated large suspensions of revenue, still recovery of these tracts in the good seasons following the bad ones has been so rapid that very little remission of revenue has been necessary. It was a matter of comment at the time of the excellent harvest of 1919 that long before the crops were cut all appearances of the previous scarcity had disappeared. This tendency to rapid recovery shows the stamina of the cultivators and their ability to bear a heavier assessment.

## Revenue collections and coercive measures for recovery of revenue.

50. Collections are made with very little difficulty both in the Taluka and the Peta. Coercive processes, ending in an order of for feiture are very' rare. The onlycases on the record were 101 cases before 1,900. No details of these cases have been preserved. There has been no instance of forfeiture during the last twenty years. As an instance of the readiness with which the people pay the revenue it may be mentioned that out of Rs. $1,31,928$ suspended during the scarcity of 1918-19 in accordance with ordinary revenue rules, the sum of Rs. ${ }^{7} 11,020$ was voluntarily paid by the cultivator.

## Proposed grouping.

51. Prior to 1891 the Taluka and Peta were divided into eight scattered groups bearing maximum rates ranging from Rs. 1-8 to Rs. 3-8. By the Revision Settlement of 1891, these eight groups were swept away and two groups established with maximum rates of Rs. 3 and 3-4. It now appears however that the principle which Government accepted as the basis for the determination of the constituents of those two groups was (owing to a misapprehension on the part of the settlement establishment) not correctly followed in composing those groups. To make this clear I give the history of the Settlement in brief. Mr. Turnbull, the Settlement Officer proposed to divide the Taluka and Peta into two groups, of which one should comprise all the villages lying within a certain radius of the three Taluka Railway stations, while the other should include all the remaining villages. Mr. Ozaune the Settlement Commissioner dissented. He accepted the proposed number of groups but disagreed as regards their constitution. In paragraph 15 of,his letter 894 of 16th May 1891 he wrote: "I would urge that the whole of the Edlabad Peta should be placed at a lower maximum than the rest of the Taluka". Government accepted this view based on the arguments that the, climate of the Peta was
much inferior to that of the Taluka, that the railway was more difficult of access from the Peta, that communications generally throughout the Peta were worse and the rainfall less. Therefore in accordance with the orders of Government there should have been a common rate of Rs. 3 in all the Peta villages. But as has been pointed out in section 2 the Settlement Establishment was under the misapprehension that the Peta contained 91 villages only, whereas in reality at that time it contained 114 villages. As a consequence of this misapprehension 20 of the Peta villages were wrongly included in group 1, that is the Taluka group, and not in group 2, which is a Peta group. The names of these 20 villages are:-
52. Manyarkheda.
53. Kothali.
54. Nimkhedi Khurd.
55. Malegaon.
56. Salbardi:
57. Kanarkheda.
58. Chinchol.
59. Sarola.
60. Hingne Khurd.
61. Hartala.
62. Dhormal.
63. Dudhale.
64. Palaskhe dacharam.
65. Bhandgure.
66. Ruikheda.
67. Vadhwe.
68. Mehun.
69. Chikhali.
70. Taroda.
71. Satod.

The names are taken from the original manuscript list of the villages in each group. The later printed list of the villages in each group which forms part of the District Survey Records is incorrect and valueless. In 1896-97 at the time of the settlement of six alienated villages one more Peta village, Kasarkheda, was put in group 1 as a result of the original miscount. Out of the 23 miscounted villages 21 have been thus misplaced. The remaining two miscounted villages, namely Changdeo and Manegaon, were rightly placed in group 2. It is not now possible to say why out of the 23 villages 21 were misplaced and 2 rightly placed.

The constitution of the existing groups is therefore as follows:-

52. These 21 border villages are subject to the same conditions of climate - and communications as the rest of the Peta villages. The differences between the Taluka and Peta which Government accepted in 1891 as grounds for constituting the Taluka and the Peta two distinct.groups are in my opinion even more marked now than they were then. I therefore propose that these 21 villages be transferred from group 1 to group 2 and that the 2 groups be retained, without further change.

## Proposed Rates.

53. I submit that there is reason to increase the existing rates substantially in both groups. The following are the summarised grounds for this belief, based on the change of conditions since 1891:-
(1) The area of occupied land under crops has increased by 20,635 acres. The acreage under the most valuable crop cotton has increased by 32,219 acres.
(2) The prices of the principle products cotton and Jowari are now three or four times as much as they were in 1891.
(3) The sale value of an acre of land is now 82 times the assesement as against 17 . 1 formerly.
(4) The rental value of an acre of land is now $6 \cdot 53$ times the assessment.
(5) Excepting years of crop failure the revenue demand has boen met with ease.

There have only been three years of serious crop failure in the 30 years of the sett'ement.
54. The following are my reasons for believing that the increase should be considerably higher for group 1 than for group 2:-
(1) The Peta had an average rainfall of 3.33 inches less than the Taluks.
(2) The bulk of the road improvements, including the construction of a causeway over
the Tapti, have been carried out in the Taluka.
(3) In times of scarcity Edlabad people suffer more than Bhusaval people from want of employment. For Bhusaval has industrial resourses whereas Edlabad is a parely agricultural area. Thus in 1918-19-2,000 persons left the Peta for Berar side in search of work and remained absent for four or five months. The emigration from Bhusaval during the same period was inconsiderable.
(4) The people of the Taluka are in closer touch with the rest of the District and generally better educated in business matters. With the help of their greater experience and their better communications they have been able to get more advantage from the increased profitableness of cotton cultivation and so to reach a higher standard of comfort than the people of the Peta. For instance the number of well built houses is much pigher in the Taluka. A subsidiary cause is the fact that Bhusaval has good building stone whereas Edlabad has not. But the main cause is that Bhasaval people have had more surplus money to spend on building.
55. With regard to fixing a maximum rate for group 1 , it might be argued that the figures of sale and rent transactions would supply an argument for giving a maximum increase by imposing a maximum rate of Rs. 4-5-0. But I think that there are other factors which make a maximum increase undesirable. I therefore propose a maximum rate of Rs. 4-1-0 and give the following reasons for my decision.

In the first place Bhusaval Taluka, like Edlabad Peta, has been three times visited by scarcity either in its milder or more severe forms during the last thirty years. It has been necessary to declare famine or scarcity three times in the Taluka and Peta as against once in the rest of the District. It was noticed both in 1896 and 1918 that the rainfall in the portion of the Taluka, north east of the Nagpur line was weaker than that in the rest of the Taluka. It is necessary to remember this fact when looking at the figures of rainfall registered by the rain gauge at Bhusaval. These are the figures of rainfall of the west of the Taluka. It may be suggested, that there is a tendency to a weaker rainfall in the tracts of East Khandesh verging towards its central eastern border than in the rest of the District.

In the second place it is desirable that the rates fixed for Bhusaval Taluka should as faras possible in harmony with rates prevailing in adjoining Talukas which possess lands sufficiently similar to make comparison possible and which have been subjected lately to a revised assessment. Complete harmony would only be possible if the settlement of a whole District was made at one time. But even though separate Talukas are settled at different times, people living in adjoining Talukas under similar conditions not unreasonably expect 'that there should be an equitable relation between their different rates of land taxation. Now there is no comparison possible between Bhusaval and Malkapur Taluka lands. For the Malkapur lands are much superior in quality to those of Bhusaval and bear an average assessment of Rs. 2-10-0, whereas everr under a maximum rate of Rs. 4-5-0 the average assessment for Bhusaval would be under Rs. 2. But comparison is possible between Bhusaval and Rawer Taluka lands. The maximum rate in Rawer for group 1 which includes the bulk of the villages is Rs. 3-8-0. There is no doubt that this Rawer area is more prospergus than Bhusaval Taluka and able to bear a heavier assessment. But whereas Bhusaval Taluka at its original settlement was subjected to reasonably high rates, Rawer Taluka was brought /under very low rates and the limitation rules have made it impossible to give it such a higher assessment as it could bear. It is impossible to keep the Bhusaval maximum rate lower than Rawer maximum rate in order to preserve a harmony of assessment between the less prosperous and the more prosperous area. For that would mean depriving Government of their fair share of the profits of the Bhusaval cultivators during the next thirty years. The inequality between the two ratings cannot therefore be completely remedied, but by not pushing the Bhusaval rate to the legal maximum we avoid unduly emphasising the existing disproportion.
56. As regards group II, I am of opinion that its rate should be eight annas lower than that of Group I. In 1891 it was given a rate only four annas lower. But I have given some reasons for thinking that the differences between the two groups are more marked now than they were in 1891. I do not think that arything less than the proposed difference between the two rates will represent correctly the present differences between the conditions of the two groups. I therefore propose a rate of Rs. 3-9-0.
57. Of the seven alienated villages, four are within Bhusaval Taluka and three within Edlabad Peta. These villages are subject to the same conditions as adjoining Government villages. Four have been therefore placed in group I and three in Group II. But a remark is necessary as regards the village of Bhusaval. Bhusaval under a revision settlement in 1912 received a maximum rate of Rs. 3-12-0. This rate was eight annas higher than that of any other village in the Taluka. This rate was due to the fact that Bhusaval had at its original settlement in 1880-81 been given a rate of Rs. 3-8-0 and it was impossible in 1912 without decreasing its rate to, bring it into the same group as the other villages in the Taduka. It is now possible to remove this anomaly and to bring it into Group I.
58. The propósals may be summarised as below:-


It may perhaps be objected that the increase is inadequate in the 21 Peta villages transferred from Group I. The reply to the objection would be that the proper place for these villages is Group II, and that it is not possible to give a high rate for'these 21 villages without disturbing the proper relation between the two Groups. Considering that these 21 Peta villages have been paying assessment according to a maximum rate which was fixed for Bhusaval villages enjoying better communications and climate, I do not think the present rate proposed for these 21 villages inequitable.

For the bulk of the villages the proposals are convenient. The Taluka with the exception of Bhusaval village receives an increase of four annas in the rupee of revenue. The Peta with the exception of 21 villages receives an increase of three annas in the rupee.

Estimated result of the proposed grouping and rates.
58. The average assessment under the existing and proposed settlement is shown below:-


The relation of assessment to rent and selling prices under both settlement is given in the following table:-

| Group. | Under existing settlement. |  |  | Under proposed settlement. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sale price as multiple of assessment. | Assurance as percentage of rent. | Rent as multiple of assessment. | Sale price as maltiple of ascessment. | Asbessmentas percentage of rent. | Rent as multiple of assebsment. |
| I | 86 | $23 \cdot 53$ | 6.99 | 69 | $29 \cdot 41$ | $5 \cdot 49$ |
| Formerly I now II (a) . . | 68 | $20 \cdot 98$ | $6 \cdot 17$ | 62 | 23.00 | $5 \cdot 44$ |
| II (b) . . | 78 | $19 \cdot 04$ | $6 \cdot 12$ | 66 | $22 \cdot 61$ | $5 \cdot 15$ |

From this it will be seen that even after the present proposals have been brought into effect the assessment will still bear only a small proportion to the selling and rental values of the land.

The increase in revenue resulting from the present proposals would be Rs. 69,260 in Government villages and Rs. 1,721 in Alienated villages.

| Taluke or Peta. |  | Revenue by last settiement |  | Revenue by proposed aettlement. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Government villagee. | Alienated villages. | Government villages. | Alienated villages. |
| Bhusaval Taluka |  | $\underset{1,94,622}{\text { Rs. }_{6}}$ | $\begin{gathered} \text { Rs. } \\ 10,008 \end{gathered}$ | $\begin{gathered} \text { Rs. } \\ 2,43,27 \end{gathered}$ | $\begin{gathered} \text { Rs. } \\ 11,491 \end{gathered}$ |
| Edlabad |  | 1,20,862 | 1,547. | 1,41,467 | 1,785 |
| Total |  | 3,15,484 | .11,555 | 3,84,744 | 13,276 |

I recommend that the proposed rates if sanctioned be made applicable to all agricultural lands in Bhusaval Taluka and Edlabad Peta with effect from the season 1920-21 and be guaranteed for a term of thirty years.

I have the honour to be,
Sir,
.Your most obedient servant,
E. GAWAN TAYLȮR,

Assistant Settlement Officer,
Bhusaval Taluka and Edlabad.
Peta, District Éast Khandesh.

## - APPENDIX A.

Rainfall recorded at Bhusaval, District East Khandesh.

| Year. | Early rain (lat January to 10 th April). |  | Antemon- <br> soon (11th <br> April to 4th June). |  | Monsoon Kharif (5th June to 14th Aagust). |  | Monsoon <br> Rabi (15th August to 2lat October). |  | Late raing (22nd Oatober to 31st December). |  | Total. |  | Remarks. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fall. |  | Fall. |  | Fall." | $\begin{aligned} & \text { Rainy } \\ & \text { deys. } \end{aligned}$ | Fall | Rainy days. | Fall. | Raíny 'days. | Fall | Rainy days. |  |
| * | Inches. | No. | Inches | No. | Inches. | No. | Inchea. | No. | Inches. | No. | Inches. | No. |  |
| 1900 |  | 7 | 0.12 | 1 | 16.51 | 37 | $2 \cdot 77$ | 17 | - | .. | $19 \cdot 40$ | 85 |  |
| 1901 | $2 \cdot 60$ | 7 | "- | $\cdots$ | $19 \cdot 74$ | 42 | $8 \cdot 67$ | 25 |  |  | 31.01 | 74 |  |
| 1902 ..- | - 37 | 2 | $1 \cdot 23{ }_{4}$ | 3 | 11.35 | 25 | $6 \cdot 50$ | 22 | 2-49 | 10 | 21.94 | 62 |  |
| 1903 | - 50 | 3 | $2 \cdot 76$ | 4 | 20.42 | 38 | $7 \cdot 25$ | 20 |  |  | 30.03 | 65 |  |
| 1904 | 1.03 | 6 | 0.31 | 2 | $10 \cdot 30$ | 40 | 13.03 | 19. | 0.07 | 1 | 24.74 | 68 |  |
| 1905 | $0 \cdot 08$ | 1 | 0.5 | 1 | 17-21 | 32 | $6 \cdot 12$ | 16 |  |  | 23.46 | 50 |  |
| 1906 | 0.05 | 1 |  |  | 26.42 | 47 | 9.81 | 26 | 0.23 | 1 | 36.51 | 75 |  |
| 1907 | $0 \cdot 36$ | 3 | 0.63 | 6 | $16 \cdot 34$ | 45 | 2.79 | 11 | 0.38 | 1 | $20 \cdot 50$ | 66 |  |
| 1908 | 1.11 | 4 |  |  | 22-36 | 37 | $3 \cdot 92$ | 11 | $0 \cdot 02$ | . | $27 \cdot 41$ | 52 |  |
| 1909 m | 0.06 | $\cdots$ | . 85 | 3 | 15.97 | 26 | 14.18 | 17 | -1.18 | 4 | 32.24 | 50 |  |
| 1910 |  | $\cdots$ | 1.07 | 1 | 20.07 | 29 | 13.46 | 20 | $2 \cdot 32$ | 3 | 36.92 | 63 |  |
| 1911 ... | 0.10 | 1 | .. | $\cdots$ | 19.21 | - 20 | $3 \cdot 28$ | 10 | 3-44 | 3 | 26.03 | 34 |  |
| 1912 | .. | $\cdots$ |  | . | 14.99 | 29 | $2 \cdot 44$ | 6 | $4 \cdot 47$ | 2 | 21-90 | 37 |  |
| 1913 ... | .. | .. | $1 \cdot 48$ | 3 | 18.04 | 29 | $7 \cdot 84$ | 8 | $1 \cdot 75$ | 1 | 29-11 | 41 |  |
| 1914 |  | $\cdots$ | $4 \cdot 47$ | 5 | 25.21 | 34 | 14.84 | 18 | $1 \cdot 10$ | 4 | $45 \cdot 62$ | 61 |  |
| 1915 ... | $3 \cdot 23$ | 8 | 0.53 | 2 | 21.25 | 27 | $13 \cdot 62$ | 16 | $1 \cdot 29$ | 2 | $39 \cdot 82$ | 55 |  |
| 1916 | $0 \cdot 17$ | 1 | 1.09 | 3 | $25 \cdot 51$ | 31 | $7 \cdot 61$ | 18 | $6 \cdot 62$ | 7 | $41 \cdot 00$ | 60 |  |
| 1917 | $1 \cdot 77$ | 3 | 1.86 | 3 | 15.69 | 28 | 16.81 | 28 | 0.08 |  | $36 \cdot 19$ | 62 |  |
| 1918 | .. | $\cdots$ | $3 \cdot 20$ | 2 | $9 \cdot 82$ | 12 | $2 \cdot 57$ | 5 | $1 \cdot 22$ | 1 | 16.81 | 20 |  |
| Total | 11.43 | 40 | 19-65 | 39 | 348.41 | 608 | $157 \cdot 41$ | 313 | 26.64 | 40 | $561 \cdot 54$ | 1,040 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Average ... | -60 | 2 | $1 \cdot 03$ | $2{ }^{2}$ | 18.23 | 32 | 8-28 | 16 | 1.40 | 2 | 29.55 | 55 |  |

E. G. TAYLOR,

Assistant Settlement Officer, Bhusawal.

APPENDIX A.
Rainfall recorded at Edlabad, District East Khandesh.

| Yeas. | EEariy rain (lat January to 10th \|April). |  | Antemonsoon (IIth April to 4th June). |  | Monsoon Kharif (5th Jume to 14th August). |  | - Monsoon Rabi (15th .August to 21st October). |  | Late raing (22nd October to 31at December). |  | Total. |  | Romarkg. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fall |  | Fall. |  | Fall | Rainy days. | Fall. | Rainy days. | Fall. | Rainy days. | Fall. | Reing deys |  |
|  | Inches | No. | Inches | No. | Incher. | No. | Inches. | No. | Inches. | No. | Inches. | No. |  |
| 1900 |  |  |  |  | 19.98 | 33 | 4.45 | 14 | . | $\cdots$ | 24.43 | 47 |  |
| 1901 - | 2-67 | 7 | $0 \cdot 30$ | 4 | 14.49 | 32 | $8 \cdot 60$ | 17 | $\ldots$ |  | $26 \cdot 06$ | 60 |  |
| 1902 ... | 0.94 | 3 | $0 \cdot 15$ | 1 | $8 \cdot 16$ | 18 | 11.05 | 18 | $4 \cdot 59$ | 8 | 24.89 | 48 |  |
| 1903 ... | $0 \cdot 40$ | 1 | 3-77 | 4 | 13.29 | 29 | $9 \cdot 26$ | 19 | . |  | $\cdot 26 \cdot 72$ | 53 |  |
| 1904 ... | $0 \cdot 56$ | 2 | $0 \cdot 54$ | 2 | 7-03 | 21 | 12.46 | 10 | 1.86 | 5 | $22 \cdot 45$ | 40 |  |
| 1805 ..- | .. | $\cdots$ | . | $\cdots$ | 13.03 | 16 | $5 \cdot 68$ | 11 | .. | . | 18.61 | 27 |  |
| 1906 ... |  | . |  | . | $19 \cdot 58$ | 28 | $9 \cdot 63$ | 18 |  |  | $29 \cdot 21$ | 46 |  |
| 1907 , ... | 0.45 | 3 | 0.31 | 4 | 18.74 | 36 | $2 \cdot 40$ | 9 | . 03 | 1 | 21-93 | 53 |  |
| 1908 ... | 1.17 | 2 | 0.07 |  | 17-67 | 35 | $4 \cdot 69$ | 13 |  |  | $23 \cdot 60$ | 60 |  |
| 1909 ... | 0.12 | $\cdots$ | $0 \cdot 30$ | 2 | 16.90 | 23 | $10 \cdot 22$ | 18 | $1 \cdot 77$ | 5 | $29 \cdot 31$ | 48 |  |
| 1010 |  | . | $0 \cdot 65$ | 2 | $14 \cdot 33$ | 30 | $14 \cdot 15$ | 19 | 0.51 | 1 | 29.64 | 52 |  |
| 1911 | 0.05 | -i | .. | $\cdots$ | $7 \cdot 94$ | 13 | $2 \cdot 38$ | 6 | 1.57 | 3 | 11.94 | 22 |  |
| 1912 | 0.76 | 1 | 0 | . | 11-58 | 20 | $2 \cdot 18$ | 9 | $2 \cdot 50$ | 2 | $17 \cdot 02$ | 32 |  |
| 1013 |  | - | $0 \cdot 30$ | 1 | 21-60 | 21 | 9.04 | 9 | 1-14 | 1 | $32 \cdot 08$ | 32 |  |
| 1914 -. | $0 \cdot 51$ | 2 | 4.23 | 4 | $17 \cdot 28$ | 25 | 14.32 | 18 | 0.45 | 2 | $86 \cdot 79$ | 61 |  |
| 1915 .. | $2 \cdot 41$ | 10 | 0.27 | 1 | $22 \cdot 16$ | 22 | 13.82 | 18 | $2 \cdot 06$ | 2 | $40 \cdot 72$ | 53 |  |
| 1916 ... |  | - | 0.87 | 3 | $22 \cdot 11$ | 31 | 10.46 | 20 | $4 \cdot 63$ | 5 | 38.07 | 69 |  |
| 1917 | 1.88 | 3 | 0.48 | 2 | 14.11 | 27 | 16.08 | 25 | 0.95 | 1 | 33.50 | 58 |  |
| 1918 | $\cdots$ | $\cdots$ | 0.11 | $\underline{1}$ | 6.94 | 11 | $1 \cdot 93$ | 5 | $2 \cdot 42$ | 3 | 11.40 | 20 |  |
| Total ... | 11.92 | 34 | 12.25 | 31 | 286.92 | 471 | 162-70 | 276 | 24.48 | 39 | $498 \cdot 27$ | 851 |  |
|  |  |  |  |  | , |  |  |  |  |  |  |  |  |
| Average ..- | b. 63 | 2 | $0 \cdot 64$ | 2 | 15-10 | 25 | $8 \cdot 56$ | 15 | $1 \cdot 29$ | 2 | 26.22 | 45 | , |

E. G. TAYLOR,

Assistant Settlement Officer, Bhusamal.

APPENDIX B．
Details of cultivation and orops in the villages of the Bhusarval Taluka and Edlabad Peta of the East Khandesh Collectorate．


| Number of villages． | Crops（Petails of Col．2）． |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | I．Cereala II．Pulseg． |  |  |  |  |  |  |  | Oil sueds． |  |  |  |  |  |
|  |  | 年 | 它 | 㡫 | \％ | ？ |  |  | 㖴 | 亩 | 西 | 它 | 寏 | 長， |
|  | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| Percentage of each crop on cultivated area． | － | 33,622 22.53 | $\begin{array}{r} 12,577 \\ 8 \cdot 43 \end{array}$ | $\begin{array}{r} 38 \\ .02 \end{array}$ | $\begin{array}{r} 44 \\ 0 \cdot 3 \end{array}$ | $172$ $\cdot 11$ | $\begin{aligned} & 26,100 \\ & 17 \cdot 49 \end{aligned}$ | $\begin{gathered} 74,468 \\ \therefore \end{gathered}$ | $\begin{array}{r} 86 \\ .02 \\ \hline \end{array}$ | $\begin{aligned} & 572 \\ & -38 \end{aligned}$ | $\begin{aligned} & 277 \\ & \cdot 18 \end{aligned}$ | $\begin{array}{r} 792 \\ -53 \\ \hline \end{array}$ | $\begin{gathered} 24 \\ -02 \end{gathered}$ | $\mathbf{1 , 7 0 1}$ |
| Percentage of each crop on cultivated area． | $\because$ | $\begin{array}{r}  \\ 23,435 \\ 27 \cdot 37 \end{array}$ | $\begin{array}{r} 4,131 \\ 4 \cdot 82 \end{array}$ | $\because$ |  | $\cdot \cdot 110$ | $\begin{gathered} \\ 11,215 \\ 13 \cdot 10 \end{gathered}$ | $\begin{aligned} & \\ & 39,644 \\ & . . \end{aligned}$ | $\begin{array}{r}  \\ 69 \\ -08 \end{array}$ | $\begin{aligned} & \\ & 600 \\ & -70 \end{aligned}$ | ${ }_{-00}^{2}$ | $\begin{array}{r} 37 \\ -04 \end{array}$ | $\begin{array}{r}  \\ .21 \\ .03 \end{array}$ |  |
| Percentage of each crop on cultivated area． | $\cdots$ | $\begin{array}{r} \mathbf{5 7 , 0 5 7} \\ \mathbf{2 4} \cdot \mathbf{2 9} \end{array}$ | $\begin{array}{r} 16,708 \\ 7 \cdot 12 \end{array}$ | 38 .02 | $\begin{array}{r}4 \\ .02 \\ \hline 0\end{array}$ | 282 $0 \cdot 12$ | 37,315 15.89 | 1，14，112 | 105 .04 | $\begin{array}{r}1,172 \\ \hline-49\end{array}$ | 279 $\cdot 12$ | 829 <br> -35 | ． 45 | 2,430 . |
| $\begin{array}{lr}\text { Figures of the last } \\ \text { Sottloment } & \because \\ \text { Percentage } & \because\end{array}$ | ＊＊ | 70，915 31.3 | $\begin{array}{r}20,384 \\ 9 \cdot 0 \\ \hline\end{array}$ | － | $\cdots$ | 1,864 0.8 | 12,440 $5 \cdot 5$ 3.5 | － | $\begin{array}{r}\text { 7，527 } \\ \hline 3.3\end{array}$ | 2,563 $1 \cdot 1$ | 314 0.2 | 198 0.1 | 192 0.1 | $\cdots$ |

## APPENDIX B-concluded



## APPENDIX C.

"Details of population according to occupation as per census of 1911, Taluka Bhusaval.

| Agricultural population. |  |  |  | Non-agrioultural population. |
| :---: | :---: | :---: | :---: | :---: |
| Having interest in land. |  |  |  |  |
| tenants and subsharers. | other land holders. | Labourers. | Total. |  |
| 1 | 2 | 3 | 4 | 5 |
| 31,753 | 768 | 22,791 | 55,312 | 31,475 |

APPENDIX $C^{\prime}$
Details of population according to occupation as per census of 1911, Edlabad Peta.


## APPENDIX D.

Agricultural Stock of the 237 Government villages in the Bhusawal taluka and Edlabad Peta during the year 1919-20.


* Note-Animals are reckned as calves up to the time they commence work if male, or are mature to breeding, if female.



## APPENDIX E.

Shops, industries, etc., in the villages of the Bhusaval taluka and Edlabad Peta.

|  | Hand Industries. |  |  |  |  | Mechanical Power. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Liquor Shops. | $\underset{\text { Presses }}{\text { Oil }}$ | Cotton. Looms. | Woolen Looms. | $\begin{gathered} \text { Silk } \\ \text { Looms. } \end{gathered}$ | Gins. | Gins. | $\begin{gathered} \text { Rice } \\ \text { Husking } \\ \text { Machine. } \end{gathered}$ | Cotton Presses, | Flour Mills. | Oil <br> Engine <br> Pumps | $\begin{gathered} \text { Railway } \\ \text { work- } \\ \text { ahopa. } \end{gathered}$ |
|  | 55 <br> 26 | $5$ | B <br> 3 <br> 4 | husaral <br> 45. <br> Edlabad | Talu <br> Pet | $7$ $\mathbf{I}$ |  |  | - | • . | .4 .. |
| 14 | 81 | 7 | 7 | 45 |  | 8 | . | 3 | 5 | .. | 4 |
| $\underset{\substack{\text { Last } \\ \text { Settlement. } \\ \\ \text { 18 }}}{ }$ | 105 | 125 | 91 | .. | 3,362 |  | . | .. | .. | .. | $\cdots$ |

APPENDIX F.
Wells Bhudlis, Tanks and other Sources of Water supply in the 237 Government villages of the Bhusaval Tatitka and Edlabad Peta, Taluka East Khandesh, for the year 19:0.


Abstract of Appendix $\vec{f}$.


## APPRNDIX G.

Seling value of dry crop lands in the villages of the Bhusawal taluka.




| $\begin{gathered} \text { Siriad } \\ \text { No. } \end{gathered}$ | Name of village. | Ares of land sold. |  | Assessment. | Sale price. | Number of times the assessment represented by price. | Year. | Average of col. 7 for each village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey No. | Area. |  |  |  |  |  |
| . 16 | Group I-contd. Bohordi | $\begin{aligned} & 19 \\ & 27 \\ & 20 \\ & 5 \\ & 27 \\ & 14 \\ & 47 \\ & 12 \\ & 20 \end{aligned}$ | $\begin{array}{rr}\text { A: } & 8 \\ 16 \\ 16 & 20 \\ 16 & 15 \\ 21 & 29 \\ 9 & 25 \\ 15 & 23 \\ 1 & 38 \\ 18 & 22 \\ 7 & 19 \\ 6 & 3\end{array}$ | Res s p  <br> 13 0   <br> 7 0 0  <br> 14 0 0  <br> 11 0 0 0 <br> 6 14 0  <br> 1 13 0  <br> 16 0 0  <br> 7 1 0  <br> 4 14 0  | Rs. 600 200 600 200 100 100 1,000 100 350 | 46 <br> 46 <br> 29 <br> 43 <br> 18 <br> 16 <br> 55 <br> 62 <br> 14 <br> 72 | 1906 1906 1907 1909 1911 1911 1916 1918 1919 |  |
|  |  |  | 11334 |  | 3,250 | 355 |  | 30 |
| 17 | Bhankhede P. and Varangaon. | $\begin{array}{r} 12 \\ 74 \\ 69 \\ 18 \\ 69 \\ 47 \\ 68 / 1 \\ 68 / 2 \end{array}$ | $\begin{array}{rr}4 & 9 \\ 13 & 29 \\ 9 & 21 \\ 2 & 37 \\ 11 & 14 \\ 7 & 29 \\ 9 & 22 \\ 7 & 29\end{array}$ | $\begin{array}{rrrr}7 & 0 & 0 \\ 20 & 0 & 0 \\ 6 & 0 & 0 \\ 7 & 0 & 0 \\ 7 & 0 & 0 \\ 4 & 10 & 0 \\ 5 & 12 & 0 \\ 8 & 12 & 0\end{array}$ | 300 400 300 600 300 200 300 750 | $\begin{aligned} & 43 \\ & \\ & 20 \\ & 50 \\ & 36 \\ & 43 \\ & 43 \\ & 52 \\ & 82 \end{aligned}$ | $\begin{aligned} & 1804 \\ & 1907 \\ & 1903 \\ & 141 t \\ & 1914 \\ & 1916 \\ & 1917 \\ & 1919 \end{aligned}$ |  |
| 18 |  |  | 6630 |  | 3,150 | 423 |  | 53 |
|  | Manmodi | $\begin{array}{r} 51 \\ 50 \\ 44 \\ 39 \\ 38 \\ 22 \\ 15 \\ 26 \\ 48 \\ 20 \\ 40 \end{array}$ | $\begin{array}{rr}19 & 26 \\ 16 & 20 \\ 16 & 30 \\ 13 & 19 \\ 12 & 18 \\ 11 & 30 \\ 9 & 25 \\ 12 & 15 \\ 14 & 27 \\ 11 & 39 \\ 9 & 36\end{array}$ | $\begin{array}{rrr}7 & 0 & 0 \\ 18 & 0 & 0 \\ 8 & 0 & 0 \\ 13 & 0 & 0 \\ 15 & 0 & 0 \\ 15 & 0 & 0 \\ 8 & 8 & 0 \\ 8 & 0 & 0 \\ 10 & 0 & 0 \\ 13 & 0 & 0 \\ 7 & 15 & 0\end{array}$ | 575 500 400 800 1,000 1,000 500 325 500 1,000 1,000 | $\begin{array}{r} 82 \\ 28 \\ 50 \\ +\quad 62 \\ 66 \\ 66 \\ 59 \\ 41 \\ 50 \\ 62 \\ 126 \end{array}$ | $\begin{aligned} & 1912 \\ & 1912 \\ & 1913 \\ & 1913 \\ & 1913 \\ & 1913 \\ & 1913 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1919 \end{aligned}$ | $\sim$ |
| 19 |  |  | 1495 |  | 7,600 | 692 |  | 63 |
|  | Yengaon ${ }^{\text {* }}$ | $\begin{array}{r} 38 \\ 118 \\ 82 \\ 28 \\ 110 \\ 131 \\ 168 \\ 103 \\ 7 \\ 121 \\ 12 \\ 102 \\ 103 \end{array}$ | $\begin{array}{rrr}9 & 6 \\ 6 & 21 \\ 8 & 12 \\ 1 & 35 \\ 5 & 18 \\ 1 & 20 \\ 3 & 26 \\ 19 & 38 \\ 8 & 9 \\ 4 & 11 \\ .2 & 11 \\ 6 & 5 \\ 11 & 11\end{array}$ | $\begin{array}{rrr} 20 & 0 & 0 \\ 9 & 0 & 0 \\ 26 & 0 & 0 \\ 3 & 0 & 0 \\ 3 & 4 & 0 \\ 4 & 0 & 0 \\ 10 & 0 & 0 \\ 27 & 0 & 0 \\ 10 & 0 & 0 \\ 9 & 0 & 0 \\ 5 & 0 & 0 \\ 10 & 8 & 0 \\ 22- & 0 & 0 \end{array}$ | 800 800 1,400 350 100 300 150 1,500 460 1,800 775 375 2,700 | 40 80 56 117 30 75 -15 88 46 200 155 35 123 | $\begin{aligned} & 1904 \\ & 1907 \\ & 1910 \\ & 1911 \\ & 1911 \\ & 1913 \\ & 1913 \\ & 1915 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1918 \\ & 1918 \end{aligned}$ |  |
|  |  |  | $88 \quad 23$ |  | 11,510 | 1,069 | ' | 82 |
| 20 | Vazarkhede | $\begin{aligned} & 61 \\ & 89 \\ & 60 \\ & 69 \\ & 11 \\ & 98 \\ & 13 \\ & 47 \\ & 64 \\ & 45 \\ & 33 \\ & 69 \\ & 64 \\ & 60 \\ & 64 \\ & 39 \end{aligned}$ | $\begin{array}{rr}3 & 35 \\ 10 & 12 \\ 19 & 13 \\ 13 & 16 \\ 1 & 34 \\ 9 & 34 \\ 4 & 31 \\ 10 & 33 \\ 1 & 9 \\ 2 & \\ 0 & 35 \\ 10 & 37 \\ 1 & 6 \\ 18 & 29 \\ 0 & 22 \\ 1 & 10\end{array}$ | $\begin{array}{rrr\|} 2 & 1 & - \\ 14 & 4 & 0 \\ 13 & 0 & 0 \\ 5 & 8 & 0 \\ 4 & 8 & 0 \\ 0 & 8 & 0 \\ 8 & 0 & 0 \\ 10 & 0 & 0 \\ 0 & 12 & 0 \\ 1 & 14 & 0 \\ 1 & 8 & 0 \\ 5 & 8 & 0 \\ 0 & 12 & 0 \\ 13 & 0 & 0 \\ 0 & 10 & 0 \\ 1 & 4 & 0 \end{array}$ | $\begin{array}{r} 85 \\ 1,300 \\ 400 \\ 100 \\ 900 \\ 1,000 \\ 3,000 \\ 500 \\ 100 \\ 50 \\ 400 \\ 150 \\ 50 \\ 3,500 \\ .100 \\ 125 \end{array}$ | 39 93 31 -18 200 105 375 50 133 27 266 28 66 269 160 $100^{4}$ | 1909 1909 1911 1911 1912 1912 1913 1913 1914 1915 1915 1917 1916 1917 1918 1919 |  |
|  |  |  | 11036 |  | 11,760 | 3,960 |  | 123 |


| Serial No. | Name of village. | Aree of land aold. |  | Absess. ment. | Sele price. | Number of <br> times the <br> asseasment <br> represented <br> by price. | Year. | Average of col. 7 for esch villayen. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey No. | Area. |  |  |  |  |  |
| 21 | Group 1-contd. <br> Varangaon | 68 162 211 322 140 324 341 147 140 226 351 405 83 264 79 355 242 300 340 351 53 304 18 227 30 83 33 5 | A. g <br> 6  <br> 6 29 <br> 8 17 <br> 4 30 <br> 5 4 <br> 6 2 <br> 1 39 <br> 12 11 <br> 8 35 <br> 9 33 <br> 5 34 <br> 6 2 <br> 5 24 <br> 8 2 <br> 3 29 <br> 3 16 <br> 4 37 <br> 7 39 <br> 6 38 <br> 4 26 <br> 8 6 <br> 1 11 <br> 0 34 <br> 2 32 <br> 5 14 <br> 3 11 <br> 4 2 <br> 1 38 <br> 6 20 <br> 4 20 <br> 4 26 <br> 3 15 | $\begin{array}{rrr} \text { Rs. } & \text { p. } \\ 16 & 0 & 0 \\ 26 & 0 & 0 \\ 10 & 0 & 0 \\ 12 & 0 & 0 \\ 19 & 3 & 0 \\ 4 & 7 & 0 \\ 22 & 0 & 0 \\ 26 & 0 & 0 \\ 36 & 13 & 0 \\ 15 & 11 & 0 \\ 13 & 10 & 0 \\ 10 & 0 & 0 \\ 23 & 7 & 0 \\ 11 & 0 & 0 \\ 3 & 8 & 0 \\ 3 & 0 & 0 \\ 8 & 0 & 0 \\ 9 & 12 & 0 \\ 8 & 0 & 0 \\ 17 & 6 & 0 \\ 2 & 6 & 0 \\ 0 & 12 & 0 \\ 5 & 3 & 0 \\ 10 & 8 & 0 \\ 7 & 8 & 0 \\ 11 & 13 & 0 \\ 6 & 0 & 0 \\ 18 & 0 & 0 \\ 8 & 0 & 0 \\ 11 & 0 & 0 \\ 10 & 0 & 0 \end{array}$ | RRa 1,000 1,000 1,250 1,000 2,000 600 1,800 1,485 3,500 1,000 3,000 1,000 1,800 2,000 100 200 1,000 1,200 1,200 2,500 300 80 2,000 0 | 63 38 125 83 104 1133 82 87 87 114 64 220 100 76 182 171 66 125 123 1511 | 1909 1909 1909 1909 1910 1910 1910 1910 1911 1911 1911 1911 1912 1912 1912 1912 1913 1913 1913 1913 1914 1914 1916 1917 1917 1916 1918 1918 1919 1919 1919 | - |
| 22 |  |  | 167.36 |  | 50,615 | 4,894 |  | 158 |
|  | Varad Khd | $\begin{array}{r} 59 \\ 17 \\ 58 \\ 14 \\ 2 \\ 23 \\ 9 \\ 4 \\ 61 \end{array}$ | $\begin{array}{rr}11 & 29 \\ 19 & 15 \\ 9 & 28 \\ 12 & 12 \\ 18 & 26 \\ 12 & 19 \\ 18 & 36 \\ 18 & 36 \\ 7 & 34\end{array}$ | $\begin{array}{rrr\|} 6 & 0 & 0 \\ 10 & 0 & 0 \\ 7 & 0 & 0 \\ 10 & 0 & 0 \\ 18 & 0 & 0 \\ 11 & 0 & 0 \\ 17 & 0 & 0 \\ 17 & 0 & 0 \\ 5 & 0 & 0 \end{array}$ | 100 100 300 300 700 500 500 600 200 | 16 10 43 30 39 45 29 35 40 | 1909 1908 1910 1912 1913 1913 1914 1916 1918 |  |
| 23 |  |  | 12935 |  | 3,300 | 287 |  | 32 |
|  | Varad Sim | 191 98 97 142 35 135 112 147 119 71 229 198 | $\begin{array}{rr} 6 & 38 \\ 8 & 13 \\ 5 & 36 \\ 1 & 8 \\ 12 & 11 \\ 2 & 8 \\ 15 & 34 \\ 1 & 12 \\ 5 & 11 \\ 11 & 24 \\ 3 & 34 \\ 8 & 33 \end{array}$ | $\begin{array}{rrr} 18 & 0 & 0 \\ 8 & 0 & 0 \\ 10 & 0 & 0 \\ 4 & 0 & 0 \\ 15 & 0 & 0 \\ 6 & 0 & 0 \\ 12 & 0 & 0 \\ 3 & 8 & 0 \\ 6 & 0 & 0 \\ 17 & 0 & 0 \\ 8 & 0 & 0 \\ 17 & 0 & 0 \end{array}$ | 1,500 600 500 300 600 700 1,750 700 600 1,500 2,500 1,950 | $\begin{array}{r} 84 \\ 75 \\ 50 \\ 75 \\ 40 \\ 116 \\ 146 \\ 200 \\ 100 \\ 88 \\ 312 \\ 114 \end{array}$ | 1906 1976 1909 1911 1911 1912 1913 1915 1915 1916 1919 1919 |  |
| 24 |  |  | 8322 |  | 13,200 | 1,400 |  | 117 |
|  | Vaki | $\begin{array}{r} 10 \\ 13 \\ 84 \\ 81 \\ 6 \\ 78 \\ 4 \\ 10 \\ 22 \\ 51 \\ 68 \\ 84 \end{array}$ | $\begin{array}{rr} 13 & 10 \\ 11 & 16 \\ 13 & 15 \\ 12 & 21 \\ 15 & 7 \\ 5 & 27 \\ 4 & 26 \\ 13 & 10 \\ 8 & 13 \\ 9 & 18 \\ 4 & 20 \\ 12 & 10 \end{array}$ | $\begin{array}{rrr} 10 & 0 & 0 \\ 9 & 0 & 0 \\ 6 & 0 & 0 \\ 10 & 0 & 0 \\ 22 & 0 & 0 \\ 12 & 0 & 0 \\ 4 & 0 & 0 \\ 10 & 0 & 0 \\ 14 & 0 & 0 \\ 16 & 0 & 0 \\ 5 & 0 & 0 \\ 6 & 0 & 0 \end{array}$ | 200 300 400 400 440 700 460 500 400 800 600 300 | $\begin{array}{r} 20 \\ 33 \\ 67 \\ 40 \\ 20 \\ 58 \\ 115 \\ 50 \\ 29 \\ 50 \\ 120 \\ 50 \end{array}$ | $\begin{aligned} & 1910 \\ & 1910 \\ & 1911 \\ & 1912 \\ & 1913 \\ & 1913 \\ & 1914 \\ & 1914 \\ & 1915 \\ & 1917 \\ & 1918 \\ & 1018 \end{aligned}$ |  |
|  |  |  | 12333 |  | 5,500 | 052 |  | 54 |

$33$

$34$


| Serial No. | Name of village. | Area of land sold. |  | Assessment. | Sale price. | Number of times the assessment represented by price. | Year. | Average of col. 7 for each viltage. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Survey } \\ \text { No. } \\ \hline \end{gathered}$ | Area. |  |  |  |  |  |
| 34 | Group I-contd. <br> Surwade Bk. | $\begin{array}{r} 115 \\ 77 \\ 88 \\ 1 \\ 44 \\ 72 \\ 27 \\ 29 \end{array}$ | A. g <br> 9 19 <br> 15 21 <br> 21 28 <br> $\because 4$ 24 <br> 17 9 <br> 7 28 <br> 11 1 <br> 8 17 | $\begin{array}{rrrr}\text { Rs. } & \text { a. } & \text { p } \\ 9 & 0 & 0 \\ 28 & 0 & 0 \\ 24 & 0 & 0 \\ 5 & 8 & 0 \\ 30 & 0 & 0 \\ 7 & 0 & 0 \\ 10 & 0 & 0 \\ 9 & 0 & 0\end{array}$ | $\begin{array}{r}\text { Rs. } \\ 600 \\ 2,250 \\ 1,000 \\ 200 \\ 1,500 \\ 600 \\ 422 \\ \hline 422\end{array}$ | 67 87 80 42 38 50 85 85 42 47 | 1911 <br> 1911 <br> 1913 <br> 1912 <br> 1916 <br> 1916 <br> 1919 <br> 1919 |  |
|  |  |  | $95 \quad 27$ |  | 6,994 | 449 |  | 56 |
| 35 | Hatnur | 94 140 84 64 97 41 26 45 92 118 69 40 50 117 141 | $\begin{array}{rrr}8 & \\ 3 & 2 \\ 3 & 34 \\ 13 & 35 \\ 4 & 25 \\ 3 & 3 \\ 5 & 15 \\ 9 & 33 \\ 7 & 23 \\ 15 & 3 \\ 6 & 22 \\ 15 & 15 \\ 3 & 24 \\ 7 & 6 \\ 8 & 12\end{array}$ | $\begin{array}{rrr\|} 15 & 0 & 0 \\ 6 & 0 & 0 \\ 2 & 8 & 0 \\ 13 & 0 & 0 \\ 10 & 8 & 0 \\ 1 & 10 & 0 \\ 7 & 15 & 0 \\ 11 & 0 & 0 \\ 18 & 0 & 0 \\ 16 & 0 & 0 \\ 11 & 8 & 0 \\ 14 & 0 & 0 \\ 4 & 0 & 0 \\ 13 & 11 & 0 \\ 8 & 0 & 0 \end{array}$ | 600 350 160 800 700 80 300 1,000 1,400 400 800 2,000 400 900 1,500 | 40 58 60 62 66 49 37 91 78 25 70 143 100 86 187 | $\begin{gathered} 1909 \\ 1910 \\ 1910 \\ 1911 \\ 1911 \\ 1912 \\ 1193 \\ 1913 \\ 1913 \\ 1914 \\ 1915 \\ 1916 \\ 1997 \\ 1918 \\ 1918 \end{gathered}$ |  |
| * |  |  | 11512 |  | 11,380 | 1,132 |  | 75 |
| 36 | Harankhede | 61 107 89 $89 / 1$ 155 82 84 81 1 | $\begin{array}{rrr}9 & 33 \\ 5 & 7 \\ 8 & 21 \\ 4 & 10 \\ 1 & 1 \\ 6 & 1 \\ 13 & 15 \\ 11 & 34 \\ 0 & 32\end{array}$ | $\begin{array}{rrrr}9 & 0 & 0 \\ 4 & 8 & 0 \\ 18 & 0 & 0 \\ 9 & 0 & 0 \\ 1 & 8 & 0 \\ 11 & 0 & 0 \\ 21 & 0 & 0 \\ 21 & 0 & 0 \\ 2 & 0 & 0\end{array}$ | $\begin{array}{r} 300 \\ 275 \\ 1,000 \\ 600 \\ 100 \\ 1,000 \\ 3,500 \\ 2,500 \\ 200 \end{array}$ | $\begin{array}{r} 33 \\ 61 \\ 56 \\ 66 \\ 67 \\ 91 \\ 167 \\ 119 \\ 100 \end{array}$ | $\begin{aligned} & 1909 \\ & 1909 \\ & 1911 \\ & 1912 \\ & 1914 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1919 \end{aligned}$ | * |
|  |  |  | ${ }^{60} 33$ | - | - 9,475 | 760 |  | 84 |
|  | 'Total Group I .- |  | 350131 | ' | 3,67,594 | 35,876 |  | 86 |

Average sale price per acre of 36 villages in Group I
.. Rs, 105.
Average of column 7, i. e, sale price as multiple of asbessment
.. Rs. 86.
Entries 413.
E. G. TAyLor,

Assistant Settlement Officer, Bhusaval.

## APPENDIX 6.

Selling value of dry-crop lands in the villages of the Edlabad Peta.

'Average sale price of 2 villages in Group II-a
..
.. Rs. 76.
18 Transactions. Average of column 7. Sale price as multiple of assessment .. ,069. .

## APPENDIX G-contd.

Selling value of dry crop lands in the villages of the Edlabad Peta.

y $\boldsymbol{\text { a }} \mathbf{6 8 0}-\mathbf{1 0}$

| Serial No. | Name of village. | A res of land sold. |  | Assesament. | Sale price. | Number of timer the arsessment represented by price. | Year. | Average of col. 7 tor each villaze. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey No. | Ares. |  |  |  |  |  |
| ${ }^{5}$ |  | 107 79 48 13 54 11 59 73 103 79 | A. g. <br>   <br> 3 12 <br> 2 16 <br> 3 13 <br> 6 37 <br> 2 39 <br> 2 1 <br> 5 30 <br> 5 31 <br> 7 33 <br> 2 16 | $\left.\begin{array}{rrr} \text { Ras } & \text { ar } & \text { p. } \\ 11 & 0 & 0 \\ 7 & 5 & 0 \\ 11 & 0 & 0 \\ 7 & 0 & 0 \\ 4 & 12 & 0 \\ 3 & 0 & 0 \\ 4 & 14 & 0 \\ 15 & 8 & 0 \\ 23 & 0 & 0 \\ 7 & 5 & 0 \end{array} \right\rvert\,$ | Rs. <br> $\quad 400$ <br> 600 <br> 335 <br> 300 <br> 200 <br> 100 <br> 500 <br> 1,000 <br> 2,000 <br> 1,000 | $\begin{array}{r} 36 \\ 82 \\ 30 \\ 43 \\ 42 \\ 42 \\ 33 \\ 103 \\ 66 \\ 87 \\ 136 \end{array}$ | 1909 19010 1910 1911 1912 1014 1918 1917 1918 1418 |  |
|  |  |  | 42.28 |  | 0,435 | 657 |  | 66 |
| 6 | Vadhorle | 446 103 175 2332 157 117 204 80 391 208 385 171 271 287 231 114 514 176 382 | $\begin{array}{cc}7 & \\ 5 & 26 \\ 5 & 14 \\ 5 & 19 \\ 4 & 23 \\ 1 & 23 \\ 1 & 39 \\ 3 & 7 \\ 11 & 10 \\ 5 & 19 \\ 8 & 33 \\ 3 & 10 \\ 8 & 2 \\ 8 & 28 \\ 3 & 19 \\ 2 & 3 \\ 8 & 26 \\ 2 & 17 \\ 10 & 11\end{array}$ | 7 0 0 <br> 6 $n$ 0 <br> 10 0 0 <br> 8 0 0 <br> 6 8 0 <br> 2 8 0 <br> 3 8 0 <br> 2 8 0 <br> 20 0 0 <br> 6 0 0 <br> 10 0 0 <br> 7 8 0 <br> 9 0 0 <br> 15 0 0 <br> 6 0 0 <br> 8 0 0 <br> 9 8 0 <br> 4 0 0 <br> 10 0 0 | 300 600 600 950 300 200 200 300 2,000 500 800 500 650 1,350 850 700 575 400 900 | 43 100 60 119 46 80 57 120 100 100 80 68 72 90 125 88 88 61 | 1909 1909 1910 1910 1912 1912 1912 1913 1913 1913 1914 1914 1915 1916 1916 1916 1917 1918 1019 |  |
| 7 |  |  | 1059 |  | 12,675 | 1,597 |  | 84 |
|  | Uchande | 40 80 79 116 53 109 97 48 53 109 160 | $\begin{array}{rr} 1 & 7 \\ 5 & 12 \\ 7 & 31 \\ 5 & 9 \\ 1 & 25 \\ 4 & 21 \\ 3 & 26 \\ 4 & 27 \\ 3 & 18 \\ -6 & 12 \\ 1 & 29 \end{array}$ | $\begin{array}{rrr\|} 2 & 0 & 0 \\ 12 & 0 & 0 \\ 15 & 0 & 0 \\ 6 & 8 & 0 \\ 4 & 10 & 0 \\ 8 & 6 & 0 \\ 9 & 15 & 0 \\ 12 & 0 & 0 \\ 8 & 12 & 0 \\ 8 & 6 & 0 \\ 5 & 7 & 0 \end{array}$ | 100 1,200 400 200 .250 700 400 1,100 300 500 200 | $\begin{array}{r} 60 \\ 100 \\ 27 \\ 31 \\ 53 \\ 85 \\ 41 \\ 92 \\ 34 \\ 60 \\ 37 \end{array}$ | 1909 1909 .1910 190 1911 1912 1913 1968 1917 1918 1919 |  |
|  |  | $\because$ | $45 \quad 17$ |  | 5,350 | 810 |  | 55 |
| 8 | Edlabad | 240 89 277 346 182 350 38 19 40 88 139 245 982 350 40 | $\begin{array}{rr}4 & 29 \\ 2 & 29 \\ 61 & 12 \\ 17 & 22 \\ 2 & \\ 8 & \\ 4 & 30 \\ 5 & \\ 5 & 3 \\ 1 & 29 \\ 11 & 19 \\ 3 & 27 \\ 1 & 30 \\ 8 & \\ 5 & 3 \\ 6 & 29 \\ 3 & 27\end{array}$ | 9 0 0 <br> 4 0 0 <br> 8 0 0 <br> 9 0 0 <br> 5 14 0 <br> 14 0 0 <br> 8 0 0 <br> 11 0 0 <br> 8 7 0 <br> 5 0 0 <br> 21 0 0 <br> 7 0 0 <br> 4 0 0 <br> 14 0 0 <br> 9 9 0 <br> 13 3 0 <br> 6 0 0 | 400 400 400 400 450 1,000 700 600 600 600 3,000 400 500 1,000 500 | 44 100 50 .44 74 76 88 55 71 120 143 57 125 71 55 153 88 | 1909 1909 1910 1910 1911 1911 1912 1912 1913 1913 1914 1914 1915 1916 1916 1917 1918 |  |
|  |  |  | 1089 |  | 13,475 | 1,414 |  | 83 |


| Serial No. | Name of village. | Ares of land sold. |  | Assessmont. | Sale price. | Number of times the assessment reprevented by price. | Year. | Avernue of col. 7 for each village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Survey } \\ \text { No. } \end{gathered}$ | Area. |  |  |  |  |  |
| 9 | Group 1I-b-contd. <br> Karki | $\begin{array}{r} 13 \\ 2 \\ 5 \\ 14 / 1 \\ 14 / 2 \\ 28 \end{array}$ | $\begin{array}{rr}\text { A. } & \text { g. } \\ \text { 6 } & 20 \\ 5 & 33 \\ 4 & 2 \\ 4 & 39 \\ 4 & 27 \\ 17 & 23\end{array}$ | $\begin{array}{ccc} \text { Rs } & \text { a. } & p . \\ 11 & 0 & 0 \\ 12 & 0 & 0 \\ 2 & 13 & 0 \\ 9 & 15 & 0 \\ 9 & 1 & 0 \\ 16 & 0 & 0 \end{array}$ | Rs. $\mathbf{1 , 5 0 0}$ $\mathbf{2 , 0 0 0}$ $\mathbf{2 0 0}$ 1,600 1,800 $\mathbf{2 , 5 0 0}$ | $\begin{array}{r} 136 \\ 166 \\ 71 \\ 162 \\ 199 \\ 156 \end{array}$ | $\begin{aligned} & 1908 \\ & 1908 \\ & 1913 \\ & 1918 \\ & 1918 \\ & 1918 \end{aligned}$ | - |
|  |  |  | $43 \quad 24$ |  | 9,600 | 890 |  | 148 |
| 10 | Khamkhede `.. | $\begin{array}{r} 23 \\ 5 \\ 25 \\ 15 \\ 5 \\ 2 \\ 15 \\ 13 \end{array}$ | $\begin{array}{rrr}4 & 30 \\ 5 & 2 \\ 10 & 11 \\ 4 & 11 \\ 8 & 35 \\ 4 & 10 \\ 4 & 11 \\ 14 & 21\end{array}$ | $\begin{array}{rrrr}8 & 5 & 0 \\ 5 & 0 & 0 \\ 3 & 8 & 0 \\ 6 & 0 & 0 \\ 10 & 0 & 0 \\ 6 & 8 & 0 \\ 6 & 0 & 0 \\ 30 & 0 & 0\end{array}$ | 200 100 70 240 700 400 300 1,500 | 24 20 20 40 70 62 50 50 | $\begin{aligned} & 1908 \\ & 1009 \\ & 1910 \\ & 1910 \\ & 1912 \\ & 1914 \\ & 1916 \\ & 1917 \end{aligned}$ | - |
|  |  |  | 5611 |  | 3,510 | 336 |  | 42 |
| 11 | Ghodasgaon | 199 189 181 215 190 209 183 15 188 221 249 200 .242 34 280 | $\begin{array}{rrr}7 & 18 \\ 13 & 2 \\ 12 & 5 \\ 4 & 6 \\ 10 & 23 \\ 10 & 18 \\ 11 & 3 \\ 19 & 31 \\ 14 & 22 \\ 14 & 21 \\ 12 & 14 \\ 11 & 8 \\ 9 & 23 \\ 11 & 6 \\ 6 & 34\end{array}$ | 3 8 0 <br> 21 0 0 <br> 12 0 0 <br> 12 0 0 <br> 15 0 0 <br> 25 0 0 <br> 11 0 0 <br> 42 0 0 <br> 8 0 0 <br> 35 0 0 <br> 14 0 0 <br> 10 0 0 <br> 28 0 0 <br> 14 0 0 <br> 10 13 0 | 162.8 989 1,000 600 500 2,500 500 2,200 7.75 2,500 1,000 1,200 2,500 800 1,100 | 46 47 83 50 33 100 45 50 97 51 71 1920 89 67 102 | 1909 1909 1910 1910 1911 1911 1912 1912 1913 1913 1915 1916 1917 1918 1918 |  |
|  |  |  | 16834 |  | 18336.8 | 1,041 |  | 69 |
| 12 | Changdov | 47 112 122 45 22 120 188 105 135 77 22 18 125 188 157 | $\begin{array}{rr} 3 & 37 \\ 2 & 37 \\ -5 & 27 \\ 7 & 10 \\ 4 & 2 \\ 5 & 7 \\ 4 & 18 \\ 1 & 16 \\ 2 & 23 \\ 4 & 10 \\ 4 & 2 \\ 4 & 23 \\ 6 & 2 \\ 4 & 18 \\ 5 & 4 \end{array}$ | $\begin{array}{rrr} 4 & 0 & 0 \\ 7 & 8 & 0 \\ 10 & 1 & 0 \\ 7 & 0 & 0 \\ 6 & 0 & 0 \\ 10 & 0 & 0 \\ 13 & 0 & 0 \\ 4 & 0 & 0 \\ 6 & 6 & 0 \\ 6 & 8 & 0 \\ 6 & 0 & 0 \\ 8 & 0 & 0 \\ 12 & 0 & 0 \\ 13 & 0 & 0 \\ 8 & 10 & 0 \end{array}$ | 300 <br> 675 <br> 1,250 <br> 350 <br> 600 <br> 1,800 <br> 1,600 <br> 600 <br> 400 <br> 500 <br> 600 <br> 1,500 <br> 2,000 <br> 1,800 <br> 1,000 | 75 90 120 50 100 180 115 150 63 71 100 188 166 138 120 | $\begin{aligned} & 1909 \\ & 1909 \\ & 1910 \\ & 1910 \\ & 1911 \\ & 1911 \\ & 1912 \\ & 1913 \\ & 1913 \\ & 1914 \\ & 1914 \\ & 1915 \\ & 1916 \\ & 1917 \\ & 1918 \end{aligned}$ | - |
|  | . |  | $65 \quad 36$ |  | 14,875 | 1,726 |  | $115$ |
| 13 | Chinchkhede (budruk). | $\begin{aligned} & 69 \\ & 26 \\ & 62 \\ & 45 \\ & 12 \\ & 55 \\ & 26 \\ & 80 \\ & 73 \end{aligned}$ | $\begin{array}{rr} 19 & \\ 11 & 1 \\ 11 & 29 \\ 8 & 28 \\ 2 & 24 \\ 19 & 19 \\ 11 & 1 \\ 6 & 1 \\ 18 & 39 \end{array}$ | $\begin{array}{rrr} 30 & 0 & 0 \\ 15 & 0 & 0 \\ 20 & 0 & 0 \\ 14 & 7 & 0 \\ 8 & 0 & 0 \\ 20 & 0 & 0 \\ 15 & 0 & 0 \\ 11 & 8 & 0 \\ 20 & 0 & 0 \end{array}$ | 2,000 <br> 500 <br> 400 <br> 1,000 <br> 500 <br> 1,000 <br> 600 <br> ${ }^{9} 600$ <br> 1,000 | $\begin{aligned} & 66 \\ & 33 \\ & 20 \\ & 69 \\ & 62 \\ & 50 \\ & 40 \\ & 62 \\ & 50 \end{aligned}$ | $\begin{aligned} & 1908 \\ & 1910 \\ & 1911 \\ & 1911 \\ & 1914 \\ & 1914 \\ & 1915 \\ & 1916 \\ & 1919 \end{aligned}$ |  |
|  |  |  | 10821 |  | 7,600 | 442 |  | 49 |
| Serial No. | Name of village. | Ares of land sold. |  | Assess. ment. | Sale price. | Number of times the assessament represented by price. | Year. | Averape it col. 7 tor earh village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Survey } \\ \text { No. } \end{gathered}$ | Area. |  |  |  |  |  |
| $14$ | Group II-6-conta. <br> Dhamangaon | 21 89 4 4 5 8 -9 .28 29 34 43 49 54 65 67 60 61 71 86 88 | $\begin{array}{cc}\text { A. } & \mathrm{g} \\ & \\ 12 & 19 \\ 4 & 2 \\ 15 & 35 \\ 2 & 36 \\ 2 & 4 \\ 0 & 31 \\ 17 & 10 \\ 1 & 19 \\ 14 & 18 \\ 11 & 26 \\ 10 & 15 \\ 10 & 26 \\ 11 & 23 \\ 16 & 1 \\ 13 & 33 \\ 9 & 39 \\ 23 & 12 \\ 6 & 28 \\ 4 & 18\end{array}$ | Rss a. p. <br> 22 0 0 <br> 5 0 0 <br> 19 0 0 <br> 3 8 0 <br> 3 4 0 <br> 1 4 0 <br> 25 0 0 <br> 2 7 0 <br> 20 0 0 <br> 16 0 0 <br> 18 0 0 <br> 23 0 0 <br> 17 0 0 <br> 34 0 0 <br> 24 0 0 <br> 11 0 0 <br> 33 0 0 <br> 8 0 0 <br> 6 0 0 <br>    | Ra, 2,000 150 6000 150 600 100 1,000 100 1,500 1,400 1,500 2,100 1,500 800 1,500 1,000 2,000 500 500 | 91 <br> 30 <br> 32 <br> 43 <br> 185 <br> 80 <br> 40 <br> 41 <br> 75 <br> 87 <br> 83 <br> 83 <br> 91 <br> 88 <br> 44 <br> 62 <br> 91 <br> 63 <br> 68 <br> 63 | 1009 1909 1910 1910 191 1911 1912 1912 1913 1913 1914 1914 1915 1915 1916 1917 1918 1919. 1919 |  |
|  | - |  | 18935 |  | 19,000 | 1,341 |  | 71 |
| 15 | Bodwed | 76 <br> 77 <br> 10 <br> .72 <br> 79 <br> 47 <br> 45 <br> 80 <br> 76 <br> 72 <br> 4. <br> 23 <br> 37 <br> 58 | $\begin{array}{rr} 4 & 30 \\ 7 & \\ 4 & 31 \\ 5 & 16 \\ 21 & 20 \\ 8 & 3 \\ 10 & 31 \\ 2 & 30 \\ 1 & 31 \\ 2 & 27 \\ 4 & 3 \\ 18 & 20 \\ 15 & 25 \\ 8 & 36 \end{array}$ | $\begin{array}{rrr} 10 & 8 & 0 \\ 9 & 0 & 0 \\ 6 & 8 & 0 \\ 7 & 0 & 0 \\ 12 & 0 & 0 \\ 12 & 0 & 0 \\ 8 & 0 & 0 \\ 5 & 13 & 0 \\ 4 & 15 & 0 \\ 3 & 8 & 0 \\ 3 & 8 & 0 \\ 31 & 0 & 0 \\ 25 & 0 & 0 \\ 16 & 10 & 0 \end{array}$ | 325 360 200 200 1,000 1,000 300 200 400 .225 100 1,500 1,500 1,000 | $\begin{aligned} & 31 \\ & 33 \\ & 31 \\ & 28 \\ & 83 \\ & 83 \\ & 38 \\ & 13 \\ & 79 \\ & 64 \\ & 29 \\ & 49 \\ & 60 \\ & 60 \end{aligned}$ | $\begin{aligned} & 1809 \\ & 1909 . \\ & 1910 \\ & 1910 \\ & 1911 \\ & 1911 \\ & 1912 \\ & 1913 \\ & 1913 \\ & 1915 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1918 \end{aligned}$ |  |
| 18 |  |  | 117.22 | 15560 | 8,250 | 701 |  | 529 |
|  | Bhod | 50 21 31 11 1 33 34 65 24 67 25 62 45 34 | $\begin{array}{rr} 4 & 29 \\ 18 & 17 \\ 11 & 3 \\ 14 & 5 \\ 7 & 38 \\ 12 & 38 \\ 16 & 7 \\ 7 & 33 \\ 2 & \\ 7 & 36 \\ 7 & 38 \\ 10 & 37 \\ 3 & 31 \\ 16 & 7 \end{array}$ | 3 0 0 <br> 15 0 0 <br> 8 8 0 <br> 22 0 0 <br> 9 0 0 <br> 9 0 0 <br> $1 i$ 0 0 <br> 4 0 0 <br> 1 10 0 <br> 7 8 0 <br> 9 1 0 <br> 6 0 0 <br> 5 5 0 <br> 11 0 0 | $\begin{array}{r} 100 \\ 600 \\ 400 \\ 1,550 \\ 400 \\ 775 \\ 1,500 \\ 300 \\ 100 \\ 400 \\ 350 \\ 300 \\ 650 \\ 1,500 \end{array}$ | $\begin{array}{r} 33 \\ 33 \\ 43 \\ 70 \\ 44 \\ 88 \\ 136 \\ 75 \\ 61 \\ 73 \\ 39 \\ 50 \\ 94 \\ \hline 136 \end{array}$ | $\begin{aligned} & 1909 \\ & 1909 \\ & 1911 \\ & 1911 \\ & 1912 \\ & 1913 \\ & 1913 \\ & 1914 \\ & 1914 \\ & 1915 \\ & 1915 \\ & 1916 \\ & 1917 \\ & 1919 \end{aligned}$ | - |
|  | , |  | 14233 |  |  | 973 |  | 69 |
| 17 | Rignon | $\begin{array}{r} 41 \\ 12 \\ -66 \\ 18 \\ 20 \\ 23 \\ 5 \\ 69 \\ 18 \\ 54 \end{array}$ | $\begin{array}{rr} 6 & 10 \\ 2 & 20 \\ 10 & 13 \\ 8 & 5 \\ 13 & 16 \\ 10 & 34 \\ 1 & 31 \\ 9 & 2 \\ 4 & 2 \\ 4 & 8 \end{array}$ | $\begin{array}{ccc} 5 & 0 & 0 \\ 1 & 4 & 0 \\ 11 & 11 & 0 \\ 20 & 0 & 0 \\ 38 & 0 & 0 \\ 30 & 0 & 0 \\ 2 & 7 & 0 \\ 12 & 0 & 0 \\ 10 & 0 & 0 \\ 5 & 11 & 0 \end{array}$ | 200 95 440 1,000 1,500 1,600 90 700 1,000 475 | 40 37 37 60 38 50 36 58 100 84 | $\begin{aligned} & 1909 \\ & 1909 \\ & 1910 \\ & 1913 \\ & 1914 \\ & 1914 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1918 \end{aligned}$ |  |
|  |  |  | 7021 |  | 7,000 | 530 |  | 53 |


## REVISED APPENDIX G.

Selling value of dry crop lands in the villages of Bhusawal Taluka.


## REVISED APPENDIX G.-contd.

Selling price of dry crop lands in the villages of Edlabad Peta.

| $\begin{gathered} \text { Serinil } \\ \text { No. in } \\ \text { Appen- } \\ \text { dix } \mathrm{ln} \end{gathered}$ | Name of Vulage. | For the pertod 180\%-1914. |  |  |  | For the pertod 1915-1920. |  |  |  | Remart\% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Area of } \\ \text { Jand } \\ \text { sold. } \end{gathered}$ | $\begin{aligned} & \text { Assess- } \\ & \text { medt. } \end{aligned}$ | Sale prico. | No. of tlmes the assessment by price. | Area of land sold. | Assessment. | Sale prico. | No. of times the assesement represented by price. |  |
| $\begin{gathered} 6 \\ 19 \end{gathered}$ | Groxp $I$. <br> Taroda <br> Hartala | A. $\quad$ e <br> 5827 <br> 0610 | Res. a. pul | Rs. |  | A. E. | Res. an. p. | Rs. |  |  |
|  |  |  | 10720 | 8,200 | 78 | 811 | 1130 | 2,100 | 104 |  |
|  |  |  | 110 | 3,200 | 60 | 8020 | 5200 | 2,875 | 60 |  |
|  | Group II. |  | Transactio |  | 67 | 7 | Transacteo | ns. | 64 |  |
| 21 |  |  |  |  |  |  | - |  |  |  |
|  | Anturil | 8434 | 15090 | 10,650 | 70 | 3121 | 75136 | 7,850 | 128 |  |
| 34 | Eurhe. | 7119 | 1858 | 34,250 | 164 | 4010 | 50.0 | 7,600 | - 168 |  |
| 70 | Paramb | 55.6 | 7800 | 3,700 | 47 | 2930 | 4980 | 3,800 | 95 |  |
| 74 | Pixapri Nands | 4712 | 9200 | 6,450 | 72 | 5817 | 3000 | 4,050 | 110 |  |
| 81 | Bilaswadi | 2038 | 414 | 1,035 | 48 | so 0 | 69134 | 7,800 | 103 |  |
| 101 | Vadhode | 6323 | 8880 | 7,250 | 81 | 540 | 7788 | 10,425 | 117 |  |
| 27 | Uchande | 90 91 | 6878 | 3,550 | 55 | 165 | 3480 | 2,100 | 56 |  |
| 29 | Edalabed | 830 | 11050 | 8;950 | 77 | 259 | 46120 | 4,525 | 98 |  |
| 81 | Earki | 42 | 2130 | 200 | 7 | 27 '9 | 8500 | 5,900 | 172 |  |
| 88 | Khambheda | 3220 | 30140 | 1,510 | 43 | 458 | 50.0 | 3,000 | 60 |  |
| 42 | Chodasgaon | 11720 | 18480 | 11,736-8 | 63 | 5230 | 78.1 | 6,800 | 92 |  |
| 43 | Changdea | 4598 | 8076 | 8,575 | 92 | 2828 | 4520 | 0,800 | 161 |  |
| 46 | Chinch Kheda ${ }^{\text {Bk }}$. | 5351 | 7770 | 3,400 | 47 | 860 | 4880 | .2,200 | 47 |  |
| ${ }^{88}$ | Dhamangaon | 4 1 | 15870 | 11,200 | 73 | 9838 | 14000 | 8,400 | 05 |  |
| 82 | Bodwad | 60 3, | 75124 | 3,925 | 50 | 5394 | 88118 | 4,825 | 54 |  |
| 87 | Bhod | 95. | 8120 | 5,025 | 65 | 5818 | 43140 | 8,350 | 75 |  |
| 97 | RIgain | 518 | 105150 | 4,735 | 42 | 2297 | 38. 10. | 2,785 | 67 |  |
| 108 | -Shemalde ${ }^{\text {' }}$ | 404 | 113040 | 5,518 | 58 | 839 | 30 4. | 2,080 | 65 |  |
| 17 | Sarole | 2016 | $1780{ }^{\circ}$ | 600 | 34 | 3129 | 1800 | 750 | 39 |  |
|  |  |  |  |  | Average |  |  |  | Average |  |
|  |  | 140 | Transuct |  | 78 | 88 | Transactio |  | 95 |  |
|  |  |  |  |  |  |  |  |  |  |  |

## APPENDIX H.

Leases of dry crop lands in the villages of the Bhusaval taluka.

\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Serial No.} \& \multirow{2}{*}{Name of village.} \& \multicolumn{2}{|l|}{Area of land leased.} \& \multirow{2}{*}{Assessment} \& \multirow{2}{*}{Rents.} \& \multirow[t]{2}{*}{$\left|\begin{array}{c}\text { Percentage } \\ \text { of rent } \\ \text { represent- } \\ \text { ed by the } \\ \text { assessment. }\end{array}\right|$} \& \multirow{2}{*}{Year. ${ }^{\text {d }}$} \& \multirow[t]{2}{*}{Average of col. 7 tor each village.} <br>
\hline \& \& Survey No. \& Area. \& \& \& \& \& <br>
\hline 1 \& Group $I$. Amadgaon \& 101
31
6
86
89
1
34
4
48
.74
40
75 \& $\begin{array}{rrr}\text { A. } & \mathrm{g} \\ 14 & 21 \\ 11 & 18 \\ 9 & 1 \\ 17 & 1 \\ 5 & 1 \\ 6 & 3 \\ 11 & 36 \\ 14 & 2 \\ 5 & 22 \\ 2 & 17 \\ 10 & 11 \\ 13 & 1\end{array}$ \& $$
\begin{array}{rrr}
\text { Rs. } & \mathbf{a} & \text { p. } \\
14 & 0 & 0 \\
11 & 0 & 0 \\
13 & 0 & 0 \\
11 & 0 & 0 \\
11 & 0 & 0 \\
5 & 8 & 0 \\
18 & 8 & 0 \\
18 & 0 & 0 \\
3 & 8 & 0 \\
5 & 4 & 0 \\
9 & 4 & 0 \\
14 & 0 & 0
\end{array}
$$ \& Re.
$$
\begin{array}{r}
47 \\
31 \\
736 \\
75 \\
75 \\
45 \\
34 \\
116 \\
110 \\
16 \\
35 \\
40 \\
105
\end{array}
$$ \& $29 \cdot 79$
$36 \cdot 48$
$33 \cdot 33$
$14 \cdot 66$
$24 \cdot 44$
$16 \cdot 18$
$14 \cdot 22$
$16 \cdot 36$
21.88
$15 \cdot 00$
23.12
$13 \cdot 33$ \& $$
\begin{aligned}
& 1909 \\
& 1911 \\
& 1912 \\
& 1913 \\
& 1913 \\
& 1914 \\
& 1914 \\
& 1915 \\
& 1916 \\
& 1917 \\
& 1918 \\
& 1919
\end{aligned}
$$ \& <br>
\hline \& \& \& 12434 \& 13200 \& 690 \& $257 \cdot 79$ \& \& 21.48 19.1 <br>
\hline \multirow[t]{2}{*}{2} \& Achegaon \& $$
\begin{gathered}
64 \\
29 \\
.12 \\
69 \\
16 \\
70
\end{gathered}
$$ \& $\begin{array}{rr}10 & 10 \\ 1 & 6 \\ 1 & 16 \\ 7 & 24 \\ 6 & 28 \\ 3 & 31\end{array}$ \& $\begin{array}{rrr}36 & 0 & 0 \\ 3 & 8 & 0 \\ 4 & 7 & 0 \\ 25 & 0 & 0 \\ 13 & 8 & 0 \\ 13 & 0 & 0\end{array}$ \& 98
23
28
95
66

250 \& \[
$$
\begin{array}{r}
36.73 \\
5 \cdot 22 \\
15 \cdot 85 \\
26 \cdot 32 \\
20.45 \\
41 \cdot 20
\end{array}
$$

\] \& | 1908 |
| :--- |
| 1909 |
| 1910 |
| 1911 |
| 1915 |
| 1916 | \& <br>

\hline \& \& \& $38 \quad 35$ \& 9770 \& 560 \& $119 \cdot 77$ \& . \& $$
19 \cdot 98
$$ <br>

\hline \multirow[t]{2}{*}{3} \& Kathore Khurd \& $$
\begin{array}{r}
5 \\
\mathbf{2 5} \\
17
\end{array}
$$ \& $\begin{array}{lr}8 & 6 \\ 5 & 25 \\ 0 & 28\end{array}$ \& $\begin{array}{rrr}14 & 0 & 0 \\ 17 & 0 & 0 \\ 1 & 0 & 0\end{array}$ \& 19

95

26 \& $$
\begin{array}{r}
73 \cdot 68 \\
17 \cdot 90 \\
3 \cdot 85
\end{array}
$$ \& 1909

1911
1911 \& <br>
\hline \& \& \& 1419 \& 3200 \& 140 \& $95 \cdot 43$ \& \& 31.81 <br>
\hline 4 \& Kanhale Khurd \& 34
11
34 \& $\begin{array}{rr}21 & 14 \\ 9 & 17 \\ 19 & 33\end{array}$ \& $\begin{array}{lll}28 & 0 & 0 \\ 11 & 0 & 0 \\ 28 & 0 & 0\end{array}$ \& 70
35
80 \& 40.00
31.43

-35.00 \& $$
\begin{aligned}
& 1909 \\
& 1916 \\
& 1919
\end{aligned}
$$ \& <br>

\hline \& \& \& $50 \quad 24$ \& 6780 \& 185 \& 106.43 \& \& $35 \cdot 47$ <br>
\hline 5 \& Kahulkhede * \& 62
10
60
80
23
35
36
46
21
37
5
17
80
14
21

18 \& $\begin{array}{rr}10 & 24 \\ 0 & 6 \\ 14 & 32 \\ 11 & 32 \\ 5 & 8 \\ 13 & 30 \\ 0 & 36 \\ 12 & 39 \\ 6 & 34 \\ 9 & 31 \\ 12 & 13 \\ 7 & 25 \\ 11 & 32 \\ 9 & 27 \\ 9 & 34 \\ 8 & 30\end{array}$ \&  \& \begin{tabular}{l}
90 <br>
37 <br>
65 <br>
68 <br>
94 <br>
65 <br>
15 <br>
54. <br>
49 <br>
18 <br>
67 <br>
70 <br>
73 <br>
95 <br>
42 <br>
78

 \& 

$11 \cdot 11$
21.62 <br>
$15 \cdot 37$ <br>
17-65 <br>
6.38 <br>
$15 \cdot 37$ <br>
$3 \cdot 75$ <br>
$12 \cdot 96$
$12 \cdot 25$ <br>
$38 \cdot 88$ <br>
$17 \cdot 91$ <br>
$16 \cdot 44$ <br>
11.58 <br>
14.29 <br>
$21 \cdot 79$
\end{tabular} \& 1909

1909
1910
1910
1911
1911
1912
1913
1914
1914
1915
1916
1917
1917
1918
1919 \& <br>
\hline \& \& \& 15227 \& 14990 \& 980 \& $258 \cdot 76$ \& \& 16.17 <br>

\hline 6 \& Kirola \& $$
\begin{array}{r}
13 \\
9 \\
10 \\
39
\end{array}
$$ \& $\begin{array}{rr}11 & 3 \\ 8 & 3 \\ 12 & 19 \\ 3 & 36\end{array}$ \& $\begin{array}{rrr}10 & 0 & 0 \\ 8 & 0 & 0 \\ 13 & 0 & 0 \\ 2 & 0 & 0\end{array}$ \& 90

46
94
125 \& 11.11.
13.03
13.83

1.52 \& $$
\begin{aligned}
& 1909 \\
& 1914 \\
& 1914 \\
& 1917
\end{aligned}
$$ \& <br>

\hline \& \& \& 3521 \& 3100 \& 355 \& $39 \cdot 49$ \& \& 9.87 <br>
\hline
\end{tabular}

| Serial Na. | ' Name of village. | Ares of land leased. |  | Assessment | $\left\|\begin{array}{c}\text { Percentage } \\ \text { of rent } \\ \text { represented } \\ \text { by the } \\ \text { aasessment. }\end{array}\right\|$ | Year. | Average of col. 7 for eanh village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey No. | Area. |  |  |  |  |
|  | Group I-contd. Kurhehardo | 60 78 159 163 100 171 48 192 78 73 1 1 | $\begin{array}{rr} \text { A. } & \text { g } \\ 11 & 18 \\ 1 & 26 \\ 10 & 28 \\ 13 & 17 \\ 15 & 38 \\ 10 & 10 \\ 12 & 2 \\ 4 & 22 \\ 1 & 26 \\ 10 & 6 \\ 2 & 3 \\ 14 & 11 \end{array}$ |  | $31 \cdot 11$ $13 \cdot 04$ $36 \cdot 00$ $50 \cdot 00$ $15 \cdot 26$ $13 \cdot 09$ $14 \cdot 00$ 20.00 $12 \cdot 50$ 21.18 11.36 21.00 | 1911 1911 1912 1912 1913 1913 1914 1915 1916 1917 1918 1919 |  |
| 8 |  |  | 1087 | 14300.761 | $258 \cdot 53$ |  | 21.54 |
|  | Nadgaon | 92 97 102 39 41 69 110 102 103 102 | 11 7 <br> 7 5 <br> 11 23 <br> 6 37 <br> 2 19 <br> 1 34 <br> 1 21 <br> 9 20 <br> 1 37 <br> 0 20 | 9 0 0 30 <br> 9 0 0 30 <br> 6 0 0 24 <br> 11 0 0 70 <br> 4 0 0 20 <br> 5 8 0 30 <br> 5 0 0 25 <br> 6 0 0 50 <br> 3 0 0 40 <br> 6 0 0 65 | $\begin{aligned} & 30 \cdot 00 \\ & 23.08 \\ & 25 \cdot 00 \\ & 15.71 \\ & 20.00 \\ & 18 \cdot 33 \\ & 20.00 \\ & 12 \cdot 00 \\ & 7 \cdot 50 \\ & 10 \cdot 91 \end{aligned}$ | 1909 1912 1912 1017 1917 1917 1917 1918 1918 1919 |  |
|  |  |  | 6323 | 64800383 | 182.53 |  | 18.25 |
| $\cdots{ }{ }^{9}$ | Bodwed | 65 90 120 192 119 194 168 133 496 459 $39 / 2$ 563 19 460 539 255 | $\begin{array}{rr}3 & 8 \\ 25 & 15 \\ 9 & 18 \\ 14 & 21 \\ 9 & \\ 9 & \\ 3 & 5 \\ 12 & 11 \\ 10 & 13 \\ 11 & 19 \\ 6 & 19 \\ 10 & 39 \\ 8 & 17 \\ 11 & 19 \\ 12 & 20 \\ 11 & 6\end{array}$ | 10 0 0 20 <br> 77 0 0 $251 \cdot 12$ <br> 15 0 0 85 <br> 11 0 0 75 <br> 18 0 0 100 <br> 15 0 0 85 <br> 6 0 0 64 <br> 11 0 0 52 <br> 19 0 0 95 <br> 18 0 0 113 <br> 13 6 0 101 <br> 12 0 0 63 <br> 10 0 0 40 <br> 20 0 0 60 <br> 14 0 0 186 <br> 15 0 0 160 | $\begin{array}{r} 50.00 \\ 30.59 \\ 47.64 \\ 14.66 \\ 18.00 \\ 17.65 \\ 9.38 \\ 21.15 \\ 20 \cdot 00 \\ 15 \cdot 93 \\ 13.61 \\ 19.05 \\ 25.00 \\ 33.33 \\ 7.53 \\ 9.62 \end{array}$ | 1909 1910 1910 1911 1912 1911 1912 1913 1913 1914 1914 1915 1916 1917 1918 1919 |  |
| 10 |  |  | 16730 | 2846 of 1550.12 | $323 \cdot 14$ |  | 20-20 |
|  | Borgaon | $\begin{array}{r} 11 \\ 62 \\ 6 \\ 5 \\ 58 \end{array}$ | $\begin{array}{rr} 18 & 2 \\ 16 & 31 \\ 15 & 32 \\ 11 & 26 \\ 14 & 12 \end{array}$ | 19 0 0 130 <br> 23 0 0 130 <br> 17 0 0 90 <br> 19 0 0 100 <br> 18 0 0 100 | $\begin{aligned} & 14.62 \\ & 17.69 \\ & 18.88 \\ & 19.00 \\ & 18.00 \end{aligned}$ | $\begin{aligned} & 1909 \\ & 1809 \\ & 1911 \\ & 1911 \\ & 2911 \end{aligned}$ | - |
|  |  |  | $7623{ }^{\circ}$ | $\begin{array}{llll}96 & 0 & 0 & 550\end{array}$ | $88 \cdot 19$ |  | 17.64 |
| 11 | Bohordi Khund . | $\begin{array}{r} 12 \\ 14 \\ 44 \\ 13 \\ 29 \\ 34 \\ 45 \\ 29 \\ 40 \\ 37 \\ . \quad 46 \end{array}$ | $\begin{array}{rr} 7 & 19 \\ 1 & 38 \\ 5 & 7 \\ 20 & 23 \\ 10 & 1 \\ 9 & 7 \\ 8 & 11 \\ 10 & 1 \\ 21 & 1 \\ 8 & 19 \\ 25 & 38 \end{array}$ | 7 0 0 78 <br> 2 8 0 15 <br> 4 0 0 $6 \cdot 12$ <br> 14 0 0 37 <br> 6 0 0 24 <br> 7 0 0 43 <br> 14 0 0 35 <br> 6 0 0 30 <br> 25 0 0 151 <br> 7 5 0 36 <br> 18 0 0 52 | $\begin{array}{r} 8 \cdot 96 \\ 16 \cdot 66 \\ 59 \cdot 26 \\ 37 \cdot 84 \\ 25 \cdot 00 \\ 16 \cdot 28 \\ 40 \cdot 00 \\ 20.00 \\ 16 \cdot 56 \\ 20 \cdot 31 \\ 34 \cdot 32 \end{array}$ | 1809 <br> 1909 <br> 1910 <br> 1911 <br> 1911 <br> 1911 <br> 1912 <br> 1913 <br> 1914 <br> 1919 |  |
|  |  | $\xi$ | 1283 | $110130.507 \cdot 12$ | 295-19 |  | 26-84 |



| Serial No. | Name of village. | Area of land leased. |  | Assessment | Reats. | $\left\|\begin{array}{c}\text { Percentage } \\ \text { of rent } \\ \text { represented } \\ \text { by the } \\ \text { assessment. }\end{array}\right\|$ | Year. | Average of ool. 7 for each. village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey No. | Area. |  |  |  |  |  |
| 17 | Group I-contd.Talwel |  | A. g. | Re. a. p. |  | , |  |  |
|  |  | 169 | 210 | 3900 | 71 | $54 \cdot 93$ | 1909 |  |
|  |  | 239 | 14.9 | $37 \cdot 0$ | 100 | 37.00 | 1909 |  |
|  |  | 229 | 1038 | 3500 | 65 | 53.69 | 1910 |  |
|  |  | 70 | 67 | $\begin{array}{ll}11 & 0\end{array}$ | 72 | 15.28 | 1910 |  |
|  |  | 179 | $\begin{array}{ll}11 & 19\end{array}$ | $\begin{array}{llll}26 & 0 & 0\end{array}$ | 100 | 28.00 | 1911 |  |
|  |  | 173. | 231 | $\begin{array}{cc}6 & 0\end{array}$ | 20 | 30.00 | 1911 |  |
|  |  | 181 | 22 | 6 0 0 | 54 | 11.11 | 1912 |  |
|  |  | 200 | 131 | $6 \begin{array}{lll}6 & 0 & 0\end{array}$ | 64 | $9 \cdot 37$ | 1913 |  |
|  |  | 212. | $13 \quad 20$ | 3200 | 67 | $47 \cdot 77$ | 1913 |  |
|  |  | 114 | 935 | 1240 | 48 | 27.08 | 1914 |  |
|  |  | 181 | 2.2 | $\begin{array}{lll}6 & 0 & 0 \\ 18 & 0\end{array}$ | 94 | 6.38 | 1814 |  |
|  |  | 270 | 525 | $\begin{array}{lll}18 & 0 & 0\end{array}$ | 158 | 11.54 | 1915 |  |
|  |  | 77 | 418 | 1100 | 29 | 37.93 | 1916 |  |
|  |  | 229 | 433 | $\begin{array}{lll}16 & 0 & 0\end{array}$ | 125 | $12 \cdot 80$ | 1918 |  |
|  |  | 270 | 3310 | $\begin{array}{lll}9 & 0 & 0\end{array}$ | 40 | 22.50 | 1918 |  |
|  |  | 169 | $20 \quad 26$ | $39 \quad 0 \quad 0$ | 111 | - $35 \cdot 13$ | 1919 |  |
|  |  |  | 13426 | 30940 | 1,216 | 438.51 |  | $27 \cdot 41$ |
| 18 | Manmodi | 54 |  | 400 | 25 | 16.00 | 1903 |  |
|  |  | 16 | 134 | 1800 | 36 | $50 \cdot 00$ | 1905 |  |
|  |  | 26 | 160 | 800 | 23 | $34 \cdot 76$ | 1906 |  |
|  |  | 64 | 1625 | $\begin{array}{llll}9 & 0 & 0 \\ 5 & 8 & 0\end{array}$ | 23 | $39 \cdot 13$ | 1906 |  |
|  |  | 15 |  |  | 40 | $13 \cdot 75$ | 1912 |  |
|  |  |  | $55 \quad 26$ | 480 | 147 | $153 \cdot 64$ |  | 30-73 |
| 19 | Yengaor | 105 |  | 22.00 | 50 | 44.00 | 1909 |  |
|  |  | 145 | $18 \quad 27$ | 32.00 | 150, | 21.33 | 1909 |  |
|  |  | 118 | $7 \quad 32$ | 1100 | 46 | 23.91 | 1910 |  |
|  |  | 96 | $15 \quad 39$ | 5200 | 160 | $32 \cdot 50$ | 1911 | * |
|  |  | 90 | $8 \quad 30$ | 1500 | 150 | 10.00 | 1912 | * |
|  |  | 118 | 623 | ${ }^{9} 000$ | .75 | 12.00. | 1913 |  |
|  |  | 184 | 40 | 1300 | 464 | 24.07 | 1913 |  |
|  |  | 96 | $15 \quad 39$ | 5200 | 250 | $20 \cdot 80$ | 1914 |  |
|  |  | $\begin{array}{r}9 \\ 65 \\ \hline\end{array}$ | $\begin{array}{rr}2 & 6 \\ 11 & 26\end{array}$ | $\begin{array}{rrrr}3 & 0 & 0 \\ 22 & 0 & 0\end{array}$ | +12 | 25.00 | 1915 |  |
|  |  | 130 | $\begin{array}{rr}11 & 26 \\ 3 & 32\end{array}$ | $\begin{array}{ll}13 & 0\end{array}$ | $\begin{array}{r}4 . \\ \hline 60 \\ \hline 18\end{array}$ | $11 \cdot 02$ 21.68 | 1916 |  |
|  |  | 45 | 161 | $\begin{array}{llll}39 & 0 & 0\end{array}$ | 200 | 19.50 | 1918 |  |
|  |  | 130 | 332 | 13 O 0 | 70 | 18.57 | 1919 |  |
|  |  |  | 12628 | 29600 | 1,463 | 284.36 |  | 21.87 |
| 20 | Vazarkhede | 70 |  | $\begin{array}{lll}3 & 0 & 0\end{array}$ | 5 | 60.00 | 1909 |  |
|  |  | 5 | 1919 | $\begin{array}{lll}17 & 0 & 0\end{array}$ | 75 | $22 \cdot 66$ | 1910 |  |
|  |  | 60 | 1913 | 1300 | 86 | 13.95 | 1911 |  |
|  |  | 5 | 1729 | 1700 | 100 | 17.00 | 1912 |  |
|  |  | 70 | $\begin{array}{ll}5 & 1 \\ 10 & 12\end{array}$ | $\begin{array}{ccc}3 & 0 & 0 \\ 13 & 12 & 0\end{array}$ | 5 | 60.00 | 1913 |  |
|  |  | 84 | 1012 | $\begin{array}{lll}13 & 12 & 0\end{array}$ | 86 | 15.99 | 1914 |  |
|  |  | 71 | $\begin{array}{rr}13 & 28 \\ 9 & 37\end{array}$ | $\begin{array}{llll}8 & 0 & 0 \\ 11 & 0 & 0\end{array}$ | 16 | 56.25 | 1915 | - |
|  |  | 37 | 136 | 114 | 48 | 14.10 6.12 | 1916 |  |
|  |  | 45. | 416 | 3100 | 20 | $18 \cdot 12$ | 1918 |  |
|  |  | 76 |  | 500 | 31 | 16.06 | 1919 |  |
|  |  |  | 11232 | 9840 | 450 | $300 \cdot 25$ |  | 27-30 |
| 21 | Varangaon | 9 |  |  |  |  | 1909 |  |
|  |  | 266 | 83 | 2100 | 125 | 16.80 | 1909 |  |
|  |  | 70 | 72 | $\begin{array}{ll}16 & 0\end{array}$ | 99 | $16 \cdot 16$ | 1910 |  |
|  |  | 351 | $\begin{array}{ll}8 & 9\end{array}$ | $\begin{array}{lll}15 & 8 & 0\end{array}$ | 125 | 12.00 | 1910 |  |
|  |  | 232 | $\begin{array}{lll}8 & 3 \\ 4 & 38\end{array}$ | $\begin{array}{lll}17 & 0 & 0 \\ 11 & 0\end{array}$ | 61 | 27.87 | 1911 |  |
|  |  | . 21 | 436 | 1100 | 90 | $12 \cdot 22$ | 1911 |  |
|  |  | $\begin{array}{r}22 \\ 107 \\ \hline\end{array}$ | $\begin{array}{rr}4 & 9 \\ 14 & 32\end{array}$ | $\begin{array}{rrrr}8 & 5 & 0 \\ 34 & 0 & 0\end{array}$ | 300 | 27.71 | 1912 |  |
|  |  | 107 | $\begin{array}{rr}14 & 32 \\ 5 & 13\end{array}$ | $\begin{array}{llll}34 & 0 & 0 \\ 11 & 0 & 0\end{array}$ | 150 70 | 22.66 | 1912 |  |
|  |  | 300 | 13134 | 2100 | 100 | 21.00 | 1913 |  |
|  |  | 85 | 814 | 2500 | 250 | 10.00 | 1914 |  |
|  |  | 167 | $5 \quad 28$ | $\begin{array}{lll}17 & 0 & 0\end{array}$ | 120 | $14 \cdot 18$ | 1914 |  |
|  |  | 284 | 6 | $\begin{array}{lll}20 & 0 & 0\end{array}$ | 116 | 17.24. | 1915 |  |
|  |  | 316 | $10 \quad 33$ | 2700 | 175 | $15 \cdot 42$ | 1916 |  |
|  |  | 21 | 436 | 1100 | 90 | 12.22 | 1917 |  |
|  |  | 193 | 103 | $\begin{array}{llll}15 & 4 & 0\end{array}$ | 500 | $12 \cdot 20$ | 1918 |  |
|  |  | 65 | 3. 11 | 1000 | 160 | 6.25 | 1919 |  |
|  |  |  | 13522 | 306110 | 3,211 | $297 \cdot 85$ |  | 17-53 |


| Serial Nu. | Name of village. | Ares of land leased. |  | Assessment | Renta. | Percentageof rentrepresentedby theassessment. | Year. | Average ot $\infty$. 7 for each village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Strivey No. | Area. |  |  |  |  |  |
| 22 | Group 1-contat <br> Varad Khed | $\begin{aligned} & 39 \\ & 16 \\ & 45 \\ & 14 \\ & 15 \\ & 58 \end{aligned}$ | $\begin{array}{rr} \hline \text { A. } & \text { g. } \\ 10 & 3 \\ 12 & 6 \\ 17 & 24 \\ 12 & 10 \\ 9 & 20 \\ 9 & 28 \end{array}$ | Re. a p. <br> 7 0  <br> 10 0 0 <br> 19 0 0 <br> 10 0 0 <br> 6 0 0 <br> 7 0 0 <br> 7 0 0 | 20 45 79 14 9 58 | $35 \cdot 00$ $22 \cdot 22$ $24 \cdot 05$ 71.43 $66 \cdot 66$ $13 \cdot 46$ | 1912 <br> 1912 <br> 1914 <br> 1918 <br> 1918 <br> 1919 |  |
|  |  |  | 7111 | 6100 | 219 | $232 \cdot 82$ |  | 38-80 |
| 23 | Varad Sim | $\begin{array}{r} 208 \\ 155 \\ 50 \\ 63 \\ 66 \\ 208 \\ 164 \end{array}$ | $\begin{array}{rr}14 & 23 \\ 11 & 36 \\ 11 & 6 \\ 3 & 32 \\ 15 & 15 \\ 14 & 23 \\ 7 & 35\end{array}$ | $\begin{array}{lll}38 & 0 & 0 \\ 13 & 0 & 0 \\ 27 & 0 & 0 \\ 10 & 0 & 0 \\ 20 & 0 & 0 \\ 38 & 0 & 0 \\ 12 & 0 & 0\end{array}$ | 140 99 110 60 30 140 148 | $27 \cdot 14$ $13 \cdot 13$ $24 \cdot 55$ $16 \cdot 66$ $68 \cdot 68$ $27 \cdot 14$ 8.11 | 1911 1912 1913 1914 1914 1916 1918 |  |
| $\div$ |  |  | $78 \quad 20$ | 15800 | 727 | 183•39 |  | 26.20 |
| 24 | Vaki |  | $\begin{array}{rr} 14 & 8 \\ 8 & 16 \\ 10 & 22 \\ 14 & 8 \\ 14 & 8 \\ 2 & 1 \\ 4 & 8 \\ 10 & 89 \\ 10 & 22 \end{array}$ | $\begin{array}{rrr} 19 & 0 & 0 \\ 8 & 0 & 0 \\ 14 & 8 & 0 \\ 19 & 0 & 0 \\ 19 & 0 & 0 \\ 2 & 0 & 0 \\ 5 & 0 & 0 \\ 10 & 14 & 0 \\ 14 & 8 & 0 \end{array}$ | 22 28 27 25 100 16 13 70 30 | $86 \cdot 36$ $28 \cdot 57$ 50.70 $76 \cdot 00$ $19 \cdot 00$ $12 \cdot 50$ 38.46 15.54 $48 \cdot 33$ | 1911 <br> 1912 <br> 1912 <br> 1913 <br> 1914 <br> 1816 <br> 1917 <br> 1018 <br> 1919 |  |
|  |  |  | 8822 | 111140 | 331 | $375 \cdot 46$ |  | 41-72 |
| 25. | Vanjole | $\cdots$15 <br> 83 <br> 57 <br> 11 <br> 73 <br> 13 <br> 13 <br> 22 |  | $\begin{array}{rrr}19 & 0 & 0 \\ 9 & 0 & 0 \\ 8 & 0 & 0 \\ 14 & 0 & 0 \\ 12 & 0 & 0 \\ 16 & 4 & 0 \\ 16 & 4 & 0 \\ 23 & 4 & 0\end{array}$ | $\begin{array}{rr}70 & 0 \\ .50 & 0 \\ 43 & 0 \\ 38 & 0 \\ 105 & 0 \\ 63 & 12 \\ 80 & 0 \\ 90 & 0\end{array}$ | $27 \cdot 14$ $18 \cdot 00$ $18 \cdot 60$ $39 \cdot 72$ 11.45 25.49 20.31 25.83 | $\begin{aligned} & 1910 \\ & 1911 \\ & 1912 \\ & 1913 \\ & 1914 \\ & 1917 \\ & 1918 \\ & 1918 \end{aligned}$ |  |
|  |  |  | 7319 | 117120 | 53712 | 186.54 |  | $23 \cdot 32$ |
| 28 | Vichwa |  | $\begin{array}{rr} 9 & 22 \\ 15 & 21 \\ 19 & 15 \\ 26 & 9 \\ 17 & 20 \\ 20 & 27 \\ 13 & 26 \\ 10 & 36 \\ 17 & 39 \\ 19 & 31 \\ 11 & 2 \\ 11 & 28 \\ 14 & 28 \end{array}$ | $\begin{array}{ccc} 6 & 0 & 0 \\ 16 & 0 & 0 \\ 22 & 0 & 0 \\ 13 & 0 & 0 \\ 30 & 0 & 0 \\ 13 & 0 & 0 \\ 12 & 0 & 0 \\ 4 & 12 & 0 \\ 12 & 0 & 0 \\ 12 & 0 & 0 \\ 19 & 0 & 0 \\ 22 & 0 & 0 \\ 16 & 0 & 0 \end{array}$ | $\begin{array}{rrr}27 & 0 \\ 72 & 0 \\ 99 & 0 \\ 50 & 0 \\ 100 & 0 \\ 30 & 0 \\ 57 & 4 \\ 18 & 0 \\ 27 & 4 \\ 32 & 4 \\ 110 & 0 \\ 577 & 5 \\ 57 & 5\end{array}$ | $22 \cdot 22$ $22 \cdot 22$ $22 \cdot 22$ 26.00 $3 \cdot 0 \theta$ $43 \cdot 33$ $20 \cdot 96$ $26 \cdot 39$ $44 \cdot 04$ $37 \cdot 21$ $17 \cdot 27$ $38 \cdot 39$ 2782 | $\begin{aligned} & 1909 \\ & 1909 \\ & 1910 \\ & 1911 \\ & 1911 \\ & 1912 \\ & 1913 \\ & 1914 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1919 \\ & 1919 \end{aligned}$ |  |
|  |  |  | 20824 | 197120 | 7376 | $351 \cdot 17$ |  | $27 \cdot 01$ |
| 27 | Vilhala | $\because$131 <br> 80 <br> 44 <br> 128 <br> 191 <br> 203 <br> 212 <br> 18 <br> 131 <br> 134 <br> 99 <br> 10 <br> 60 <br> 208 | 11 7 <br> 16 24 <br> 16 22 <br> 7 22 <br> 10 16 <br> 11 27 <br> 14 13 <br> 26 24 <br> 11 7 <br> 5 7 <br> 1 5 <br> 4 0 <br> 2 34 <br> 6 11 | 36 0 0 <br> 17 0 0 <br> 18 0 0 <br> 16 0 0 <br> 9 0 0 <br> 8 0 0 <br> 9 0 0 <br> 20 0 0 <br> 36 0 0 <br> 16 0 0 <br> 3 8 0 <br> 6 0 0 <br> 4 6 0 <br> 4 8 0 | $\begin{array}{rr}141 & 0 \\ 88 & 0 \\ 65 & 0 \\ 85 & 0 \\ 37 & 0 \\ 35 & 0 \\ 52 & 0 \\ 37 & 0 \\ 150 & 0 \\ 34 & 0 \\ 40 & 0 \\ 125 & 0 \\ 20 & 0 \\ 20 & 0\end{array}$ | $25 \cdot 53$ 19.32 27.69 18.82 24.32 23.86 17.31 54.05 $24 \cdot 00$ 47.06 8.75 4.80 22.25 22.60 | $\begin{aligned} & 1909 \\ & 1910 \\ & 1910 \\ & 1911 \\ & 1912 \\ & 1912 \\ & 1913 \\ & 1914 \\ & 1914 \\ & 1915 \\ & 1916 \\ & 1817 \\ & 1918 \\ & 1919 \end{aligned}$ | - |
|  |  |  | 14519 | 203 6. 0 | 9290 | 339.26 |  | $24 \cdot 23$ |



II $880-13$

| Serial No. | Name of village. | Area of land leased. |  | Assessment | Rente. | Percentage' <br> of rent. <br> represented <br> by the <br> ansessment. | Year. | Average of col. 7 for each village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey No. | Area, |  |  |  |  |  |
| 34 | Groap I-contd. <br> Surwade Budruk | 44 72 32 84 | $\begin{array}{cc}\text { A. } & \mathrm{g} \\ 17 \\ 17 & 9 \\ 8 & 4 \\ 19 & 7 \\ 11 & 6\end{array}$ |  | 140 34 20 225 0 | 21.43 20.59 12.44 6.40 | $\begin{aligned} & 1909 \\ & 1909 \\ & 1911 \\ & 1916 \end{aligned}$ | $\cdots$ |
| 35 |  |  | $55 \quad 26$ | 8100 | 6490 | $60 \cdot 86$ |  | 15.21 |
|  | Hatnuf | 49 75 109 66 89 30 26 44 62 44 12 120 96. | $\begin{array}{rrr}10 & 14 \\ 10 & 20 \\ 4 & 3 \\ 14 & 19 \\ 8 & 4 \\ 13 & 15 \\ 6 & 5 \\ 18 & 16 \\ 12 & 39 \\ 18 & 16 \\ 9 & 0 \\ 8 & 27 \\ 4 & 35\end{array}$ | $\begin{array}{rrr}7 & 0 & 0 \\ 11 & 0 & 0 \\ 5 & 8 & 0 \\ 11 & 0 & 0 \\ 8 & 0 & 0 \\ 13 & 0 & 0 \\ 5 & 0 & 0 \\ 16 & 0 & 0 \\ 12 & 0 & 0 \\ 16 & 0 & 0 \\ 8 & 0 & 0 \\ 5 & 0 & 0 \\ 8 & 8 & 0\end{array}$ | 50 50 50 20 0 | $14 \cdot 00$ $22 \cdot 00$ $27 \cdot 50$ $27 \cdot 50$ $11 \cdot 11$ $23 \cdot 51$ $8 \cdot 33$ $13 \cdot 79$ $20 \cdot 00$ $21 \cdot 62$ $12 \cdot 70$ $23 \cdot 81$ 4.25 | $\begin{aligned} & 1909 \\ & 1909 \\ & 1911 \\ & 1910 \\ & 1911 \\ & 1912 \\ & 1913 \\ & 1914 \\ & 11915 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1919 \end{aligned}$ |  |
| 36 |  |  | 13913 | 1260 | 8830 | 230-12 |  | 17•70 |
|  | Harankheda. | 29 94 135 84 97 158 94 111 118 30 79 111 | $\begin{array}{rrr}4 & 8 \\ 12 & 37 \\ 10 & 13 \\ 13 & 15 \\ 8 & 33 \\ 4 & 38 \\ 11 & 37 \\ 2 & 38 \\ 14 & 24 \\ 10 & 4 \\ 3 & 24 \\ 2 & 38\end{array}$ | $\begin{array}{rrrr}12 & 0 & 0 \\ 20 & 0 & 0 \\ 22 & 0 & 0 \\ 21 & 0 & 0 \\ 19 & 0 & 0 \\ 9 & 0 & 0 \\ 20 & 0 & 0 \\ 5 & 0 & 0 \\ 22 & 0 & 0 \\ 20 & 0 & 0 \\ 3 & 8 & 0 \\ 5 & 0 & 0\end{array}$ | 19 60 0 | $63 \cdot 16$ $33 \cdot 33$ $13 \cdot 57$ 23.08 23.75 27.27 22:22 $33 \cdot 33$ $15 \cdot 71$ 13.33 11.66 $14 \cdot 71$ | 1909 1911 1911 1912 1912 1913 1914 1915 1916 1917 1918 1919 |  |
|  |  |  | 10029 | 1788 | 9040 | $\dot{295} 12$ |  | 24.58 |
|  |  |  | 3,769 18 | 417600 | 29,208 10 | $8588 \cdot 66$ |  | 23.53 6.99* |
| Transactions 365. Assessment as percentage of rent in Group 1 in 36 villages *Rent as multiple of Assessment in Group I in 36 villages |  |  |  |  |  | arges |  | $\begin{array}{r} 23.53, \\ 6.99 . \end{array}$ |

E. G. TAYLOR,

Assistant Settlement Officer, Bhusawal Taluka.

| Serial Nu. | Name of village. | Ares of land leased. |  | Assessment | Rents. | $\|$Percentage <br> of rent <br> represented <br> ky the <br> assessment. | Year. | Average of Col. 7 for each village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey Nu. | Area. |  |  |  |  |  |
| 1 | Group II-a Parode | 1 41 88 17 86 91 11 17 49 21 21 62 | $\begin{array}{rrr}\text { A. } & \text { g. } \\ 3 & 31 \\ 7 & 31 \\ 15 & 25 \\ 13 & 27 \\ 10 & 31 \\ 22 & 16 \\ 13 & 24 \\ 13 & 24 \\ 9 & 34 \\ 8 & 22 \\ 8 & 22 \\ 6 & 7\end{array}$ | $\begin{array}{rrrr}\text { Rs. } & \text { a. } & p \\ 8 & 0 \\ 14 & 0 & 0 \\ 8 & 0 & 0 \\ 8 & 0 & 0 \\ 28 & 0 & 0 \\ 5 & 0 & 0 \\ 8 & 0 & 0 \\ 24 & 0 & 0 \\ 28 & 0 & 0 \\ 12 & 0 & 0 \\ 25 & 0 & 0 \\ 25 & 0 & 0 \\ 15 & 0 & 0\end{array}$ | $\begin{array}{rrr} \\ & \\ 50 & 0 \\ 52 & 0 \\ 25 & 0 \\ 100 & 0 \\ 30 & 0 \\ 25 & 0 \\ 300 & 0 \\ 200 & 0 \\ 58 & 0 \\ 120 & 0 \\ 110 & 0 \\ 125 & 0\end{array}$ | $16 \cdot 00$ $26 \cdot 92$ $32 \cdot 00$ 28.00 $16 \cdot 66$ $32 \cdot 00$ $24 \cdot 66$ 14.00 $20 \cdot 69$ 20.83 22.73 12.00 | $\begin{aligned} & 1909 \\ & 1909 \\ & 1910 \\ & 1910 \\ & 1911 \\ & 1911 \\ & 1912 \\ & 1912 \\ & 1918 \\ & 1917 \\ & 1918 \\ & 1919 \end{aligned}$ |  |
|  |  |  | 13323 | 20000 | 11950 | 266.49 |  | 22.21 |
| 2 | Hartala | 127 181 74 329 243 398 25 78 189 326 16 18 27 30 106 284 285 |  | 14 0 0 <br> 17 0 0 <br> 5 0 0 <br> 6 0 0 <br> 6 0 0 <br> 18 0 0 <br> 24 0 0 <br> 14 0 0 <br> 11 0 0 <br> 13 0 0 <br> 10 0 0 <br> 10 0 0 <br> 9 0 0 <br> 30 0 0 <br> 10 8 0 <br> 8 0 0 <br> 18 0 0 | 44 0 <br> 125 0 <br> 25 0 <br> 35 0 <br> 26 0 <br> 200 0 <br> 125 0 <br> 65 0 <br> 52 0 <br> 50 0 <br> 30 0 <br> 55 0 <br> 40 0 <br> 85 0 <br> 50 0 <br> 160 0 <br> 250 0 |  <br> $31 \cdot 82$ <br> $13 \cdot 62$ <br> $20 \cdot 00$ <br> $17 \cdot 14$ <br> $23 \cdot 08$ <br> $9 \cdot 00$ <br> $19 \cdot 20$ <br> $21 \cdot 54$ <br> $21 \cdot 15$ <br> $23 \cdot 00$ <br> $33 \cdot 33$ <br> $18 \cdot 18$ <br> 22.50 <br> $35 \cdot 29$ <br> $21 \cdot 00$ <br> $5 \cdot 00$ <br> $7 \cdot 20$ | $\begin{aligned} & 1909 \\ & 1909 \\ & 1910 \\ & 1910 \\ & 1911 \\ & 1911 \\ & 1912 \\ & 1912 \\ & 1913 \\ & 1913 \\ & 1914 \\ & 1914 \\ & 1915 \\ & 1916 \\ & 1917 \\ & 1918 \\ & 1919 \end{aligned}$ | - |
|  |  |  | 22223 | 22380 | 14170 | 341.95 |  | $20 \cdot 11$ |
|  | Total |  | 3566 | 423880 | 26120 | 608.44 |  | 20.98 6.17 |

29 Transactions Assessment as percentage of rent in two villages in Group $\operatorname{HI} 20.98$
*Rent as multiple of assessment
6:17*

| Seriat No. | Name of village. | Ares of land leased. |  | Assessment | Rents. | $\left\|\begin{array}{c} \text { Percentage } \\ \text { of rent } \\ \text { represented } \\ \text { by the } \\ \text { assessment. } \end{array}\right\|$ | Year. | Avernge of Col. 7 for each village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey No. | Area. |  |  |  |  |  |
| 1 | Group 11-a |  | A. g- | Re. aic pr |  |  |  |  |
|  | Auturli | 323 | 724 | 21.00 | 880 | $23 \cdot 86$ |  |  |
|  | Auturn | 23 | 52 | 11120 | 50 | 23.50 | 1909 |  |
|  |  | 5 | 421 | 800 | 810 | $9 \cdot 88$ | 1910 |  |
|  |  | 4 | 80 | 1800 | 1100 | 16-38. | 1911 |  |
|  |  | 13 | 516 | 114.0 | 500 | $22 \cdot 50$ | 1911 |  |
|  |  | 105 | 1237 | 2800 | 600 | 46.66 | 1912 |  |
|  |  | 127 | 820 | 2700 | 1250 | 24.00 | 1912 |  |
|  |  | 119 | $12 \quad 27$ | 2700 | 610 | $29 \cdot 67$ | 1913 |  |
|  |  | 145 | 14,15 | 39 0-0 | 2510 | 15.54 | 1914 |  |
|  | ' | 171 | 1224 | 2400 | 150 | $16 \cdot 00$ | 1914 |  |
|  |  | 344 | 68 | 1300 | 720 | 18.05 | 1915 |  |
|  |  | 398 | 88 | 1200 | 750 | 16.00 | 1916 |  |
|  |  | 426 | 15 | 4400 | 2610 | 16.86 | 1917 |  |
|  |  |  |  |  |  | 15.48 | 1918 |  |
|  |  |  | 13330 | 3080 | 1619 O | $294 \cdot 36$ |  | 21.03 |
| 2. | Kurbe | 13 | $\begin{array}{ll}9 & 39\end{array}$ | 1500 | 50 | 30.00 | 1909 |  |
|  |  | 102 | 128 | $\begin{array}{lll}2 & 8 & 0\end{array}$ | 210 | 11.90 | 1909 |  |
|  |  | 119 | 538 | 10.00 | 950 | $10 \cdot 55$ | 1910 |  |
|  |  | 5 | $\begin{array}{ll}1 & 29\end{array}$ | $\begin{array}{llll}3 & 8 & 0\end{array}$ | 600 | 11.66 | 1910 |  |
|  |  | 77 100 | [ 23.34 | $\begin{array}{rrrr}3 & 6 & 0 \\ 21 & 0 & 0\end{array}$ | 50 1510 | $\begin{array}{r}6.75 \\ -18.56 \\ \hline 1\end{array}$ | 1911 |  |
|  |  | 119 | $5 \begin{array}{ll}5 & 34\end{array}$ | $\begin{array}{lll}10 & 0 & 日\end{array}$ | 750 | $13 \cdot 33$ | 1912 |  |
|  |  | 53 | 326 | 600 | 180 | 3.33 | 1912 |  |
|  |  | 90 | 920 | 22000 | 1810 | 13.68 | 1913 |  |
|  |  | 38 | 4 17 | $\begin{array}{cc}6 & 8 \\ 8 & 0\end{array}$ | 400 | 16.25 | 1913 |  |
|  |  | 25 | $\begin{array}{rr}17 & 24 \\ \\ 3\end{array}$ | $\begin{array}{cc}22 & 0 \\ B & 0\end{array}$ | 50 | 44.00 | 1914 |  |
|  |  | 53 | $\begin{array}{ll}3 & 26 \\ 3 & \\ \end{array}$ | $\begin{array}{llll}6 & 0 & 0 \\ 6 & 0 & 0\end{array}$ | 100 | $6 \cdot 00$ | 1914 |  |
|  |  | 59 93 | $\begin{array}{rr}3 & 31 \\ 10 & 35\end{array}$ | $\begin{array}{rrr}6 & 0 & 0 \\ 19 & 0 & 0\end{array}$ | 100 | 6.00 | 1915 |  |
|  |  | 100 | 131 | 2100 | 1250 | 16.80 | 1917 |  |
|  |  | 84 | $\begin{array}{ll}7 & 34 \\ 8\end{array}$ | 1888 | 1000 | $18 \cdot 50$ | 1918 |  |
|  |  | 85 |  | 2600 | 200 | 13.00 | 1919 |  |
|  |  |  | $124 \quad 22$ | 20860 | 16880 | 255-54 | , | 1503 |
| 3 | Parambi | 58 | -629 | 1300 | 70 0 | 18.57 | 1809 |  |
|  |  | 47 | 717 | 110 | 900 | $12 \cdot 22$ | 1911 |  |
|  |  | 69 | $4{ }^{4} 2$ | ${ }^{8} 000$ | 1000 | 8.00 | 1912 |  |
|  |  | 61 | $10 \quad 24$ | 2300 | 720 | 32.00 | 1912 |  |
|  |  | 33 | 6.37. | 1500 | 750 | 20.00 | 1913 |  |
|  |  | 46 | 423 | 500 | 150 | 33.33 | 1913 |  |
|  |  | 19 | 28 | 400 | 200 | $20 \cdot 00$ | 1914 |  |
|  |  | 61 | $10 \quad 24$ | 23 0 0 | 1000 | 23.00 | 1914 |  |
|  | , | 47 | 7 17 | 1100 | 60.0 | 18-33 | 1915 | , |
|  |  | 116 | 531 | $\begin{array}{lll}7 & 0 & 0\end{array}$ | 620 | 11-29 | 1916 |  |
|  |  | 78 | 730 | 12 8 | 540 | $23 \cdot 15$ | 1917 |  |
|  |  | 84. | $\begin{array}{rr}16 & 30 \\ 4 & 32\end{array}$ | $\begin{array}{rrr}37 & 0 & 0 \\ 7 & 6 & 0\end{array}$ | $\begin{array}{ll}50 & 0 \\ 35 & 0\end{array}$ | 74.00 21.07 | 1918 1919 |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  | $95 \quad 24$ | 176140 | 803 0 | 314-96 |  | 24.23 |
| 4 | Pimpri Nandu |  | 66 | 3.0.0 |  | - 8.00 | 1909 |  |
|  | Pimpr Nanda | 7 | 434 | $14 \quad 00$ | 250 | $56 \cdot 00$ | 1910 | ; |
|  |  | 8 | 620 | $20 \quad 00$ | 780 | 25.54 | 1910 |  |
|  |  | 64 | 319 | 1100 | 160 | 68.75 | 1911 |  |
|  |  | 12 | 415 | 14 O O | 100 | 14.00 | 1912 |  |
|  |  | 37 | 322 | $\begin{array}{lll}3 & 8 & 0\end{array}$ | 250 | 14.00 | 1912 |  |
|  |  | 38 | 618 | 1000 | 720 | 13.88 | 1913 |  |
|  |  | 39 | 319 | 300 | 80 | 37.50 | 1913 |  |
|  |  | 56 | 78 | 1680 | 1200 | 13.33 | 1914 |  |
|  |  | 57 | 88 | 700 | 700 | 10.00 | 1015 |  |
|  |  | 58 | 734 | 1400 | 480 | 29.17 | - 1016 |  |
|  |  | 64 | 319 | $\begin{array}{lll}11 & 0 & 0\end{array}$ | 270 | 40.74 | 1917 |  |
|  |  | 8 | 716 | 2500 | 1440 | 17.36 | 1918 |  |
|  |  | 32 |  | 700 | 50 0 | 14.00 | 1919 |  |
|  | Total |  | 761 | 15800 | 8380 | 360-27 |  | 25-73 |



N $E 850-14$

\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \multirow[t]{2}{*}{Serial No.} \& \multirow{2}{*}{Name of village.} \& \multicolumn{2}{|l|}{Area of land leased.} \& \multirow{2}{*}{Assessment} \& \multirow[t]{2}{*}{Rents.} \& \multirow[t]{2}{*}{\[
\left|\begin{array}{c}
\text { Percontage } \\
\text { of rent } \\
\text { represented } \\
\text { by the } \\
\text { ascessmentr, }
\end{array}\right|
\]} \& \multirow{2}{*}{Year.} \& \multirow[t]{2}{*}{Average of Col. 7 for oach village.} \\
\hline \& \& Survey No. \& Arem. \& \& \& \& \& \\
\hline \multirow{10}{*}{\(\theta \cdot\)} \& \multirow[t]{10}{*}{\begin{tabular}{l}
Group \(1 I-b-c o n t d\). \\
Karki
\end{tabular}} \& \& A. g. \& Re. an. p. \& - \& \& \& \\
\hline \& \& 29 \& 1019 \& 9800 \& 400 \& 22.50 \& 1909 \& \\
\hline \& \& 13 \& 618 \& 1100 \& 1250 \& \(8 \cdot 80\) \& 1910 \& \\
\hline \& \& 4 \& 181 \& 1800 \& 250 \& 72.00 \& 1911 \& \\
\hline \& \& 28 \& 1810 \& 2600 \& 850 \& 30.59 \& 1911 \& \\
\hline \& \& 28 \& 1810 \& \(\begin{array}{lll}28 \& 0 \& 0\end{array}\) \& 600 \& \(43 \cdot 33\) \& 1912 \& \\
\hline \& \& 14 \& \(\begin{array}{ll}5 \& 5 \\ 6 \& 9\end{array}\) \& 10.00 \& \({ }^{95} 0\) \& 10.53 \& 1913 \& \\
\hline \& \& 13 \& \(6 \quad 9\) \& 11.00 \& . 1350 \& 8.15 \& 1914 \& \\
\hline \& \& 14 \& \(\begin{array}{rr}4 \& 3 \\ 18\end{array}\) \& \(\begin{array}{llll}10 \& 0 \& 0\end{array}\) \& 69

131 \& 14.49
12.21 \& 1916 \& <br>
\hline \& \& 13 \& 6. 19 \& 1100 \& 1400 \& $7 \cdot 86$ \& 1919 \& <br>
\hline \& \& \& 11135 \& 14800 \& 9050 \& 230.46 \& \& $23 \cdot 05$ <br>
\hline \multirow[t]{13}{*}{10} \& \multirow[t]{13}{*}{Khamkheda} \& 12 \& 1912 \& 3100 \& 1080 \& 31.00 \& 1909 \& <br>
\hline \& \& 35 \& $20 \quad 3$ \& 38 0 0 \& 100 \& $38 \cdot 00$ \& 1909 \& <br>
\hline \& \& 38 \& $14 \quad 27$ \& 2200 \& 970 \& $22 \cdot 68$ \& 1910 \& <br>
\hline \& \& 53 \& $12 \quad 15$ \& 2100 \& 750 \& $28 \cdot 00$ \& 1910 \& <br>
\hline \& \& 14 \& $15 \quad 20$ \& 2200 \& 60 \& 36.66 \& 1911 \& <br>
\hline \& \& 44 \& 74 \& 12 0 0 \& 780 \& $15 \cdot 38$ \& 1911 \& <br>
\hline \& \& 64 \& $\begin{array}{ll}11 & 33\end{array}$ \& $\begin{array}{ll}19 & 0 \\ \\ 18 & 0\end{array}$ \& 900 \& 21.11 \& 1912 \& <br>
\hline \& \& 21 \& 138 \& 2400 \& 3510 \& 6-84 \& 1912 \& <br>
\hline \& \& 37 \& 1110 \& 1500 \& 50 \& 30.00 \& 1914 \& <br>
\hline \& \& 5 \& 835 \& 1000 \& 950 \& $10 \cdot 53$ \& 1915 \& <br>
\hline \& \& 64 \& 11.33 \& 1900 \& 130 \& $14 \cdot 62$ \& 1916 \& <br>
\hline \& \& 11 \& 1126 \& 180 \& 1360 \& 13.24 \& 1917 \& <br>
\hline \& \& 13 \& 1421 \& 3000 \& 155* 0 \& $19 \cdot 35$ \& 1918 \& <br>
\hline \& \& \& 18228 \& 2870 \& 18520 \& $304 \cdot 65$ \& \& 21.75 <br>
\hline \multirow[t]{13}{*}{11} \& \multirow[t]{13}{*}{Ghodaygaon} \& 192 \& 4
15 \& 3120 \& 340 \& 11.08 \& 1909 \& <br>
\hline \& \& 159 \& 1515 \& $\begin{array}{lll}30 & 0 & 0\end{array}$ \& 100 \& 30.00 \& 1909 \& <br>
\hline \& \& 177 \& 11.2 \& 1200 \& 570 \& 21.05 \& 1910 \& <br>

\hline \& \& 224 \& 68 \& | 9 | 0 |
| :--- | :--- | \& 650 \& 13.85 \& 1910 \& <br>

\hline \& \& 79 \& $\begin{array}{ll}11 & 34 \\ 10 & 31\end{array}$ \& $\begin{array}{ll}21 & 0 \\ 21 & 0\end{array}$ \& 84
1150 \& 40.48
18.26 \& 1912 \& <br>
\hline \& \& 93 \& 2133 \& 1800 \& 780 \& $22 \cdot 78$ \& 1913 \& <br>
\hline \& \& 27 \& 115 \& 1500 \& 910 \& 16.48 \& 1913 \& <br>
\hline \& \& 46 \& $8 \quad 22$ \& $20 \quad 0 \quad 0$ \& 750 \& 26.66 \& 1914 \& <br>
\hline \& \& 253 \& 1226 \& 34.00 \& 1250 \& 27.50 \& 1914 \& <br>
\hline \& \& 274 \& 1238 \& 22.00 \& 860 \& 25.58 \& 1915 \& <br>
\hline \& \& 21 \& $17 \quad 17$ \& 2600 \& 1050 \& 24.76 \& 1916 \& <br>
\hline \& \& 150 \& $\begin{array}{ll}13 & 36 \\ 20 & 21\end{array}$ \& $\begin{array}{lll}30 & 0 & 0 \\ 12 & 0 & 0\end{array}$ \& 125
79 \& 24.00
65.83 \& 1917 \& <br>
\hline \& \& 164 \& \& 1200 \& 79 0 \& 65.83 \& 1918 \& <br>
\hline \& \& \& 17920 \& 286120 \& 12200 \& 368.26 \& \& 26-30 <br>
\hline \multirow[t]{14}{*}{12} \& \multirow[t]{14}{*}{Changdu} \& 4 \& 1010 \& 1580 \& 50 \& 31.00 \& 1909 \& <br>
\hline \& \& 56 \& 112 \& 200 \& 160 \& 12.50 \& 1909 \& <br>
\hline \& \& 146 \& 611 \& 740 \& 450 \& 16.11 \& 1910 \& <br>
\hline \& \& 127 \& 424 \& 7 0~0 \& 600 \& $11 \cdot 66$ \& 1911 \& <br>
\hline \& \& 115 \& 731 \& 2200 \& 250 \& $8 \cdot 80$ \& 1911 \& <br>
\hline \& \& 47 \& 439 \& 500 \& 300 \& 16.66 \& 1911 \& <br>
\hline \& \& 74 \& 616 \& 1200 \& 1250 \& $9 \cdot 60$ \& 1912 \& . <br>
\hline \& \& 124 \& 90 \& 1300 \& 250 \& $4 \cdot 20$ \& 1913 \& <br>
\hline \& \& 412 \& 738 \& 1300 \& 420 \& 30.95 \& 1914 \& <br>
\hline \& \& 47. \& 389 \& 1200 \& 30 \& 40.00 \& 1914 \& <br>
\hline \& \& 93 \& 1825 \& 1500 \& 150 \& $10 \cdot 00$ \& 1915 \& <br>
\hline \& \& 74 \& 612 \& 1200 \& 80 \& 15.00 \& 1916 \& <br>
\hline \& \& 50 \& 13.10 \& $\begin{array}{rrrr}6 & 0 & 0 \\ 25 & 4 & 0\end{array}$ \& $\begin{array}{r}92 \\ 100 \\ \hline 0\end{array}$ \& 6.52
25.25 \& 1917 \& <br>
\hline \& \& 40 \& $6 \quad 17$ \& $\begin{array}{rrr}3 & 0 & 0\end{array}$ \& 510 \& 58.82 \& 1919 - \& <br>
\hline \& \& \& 11915 \& $170 \quad 0 \quad 0$ \& 1371 \% \& $297 \cdot 07$ \& \& $19 \cdot 80$ <br>
\hline \multirow[t]{14}{*}{13} \& \multirow[t]{14}{*}{Chinchkheda bk.} \& 69 \& 190 \& 30 0 0 \& 1300 \& 23.08 \& 1909 \& <br>
\hline \& \& 33 \& 135 \& 2080 \& 80 \& $25 \cdot 62$ \& 1909 \& <br>
\hline \& \& 74 \& 836 \& 800 \& 400 \& 20.00 \& 1910 \& <br>
\hline \& \& 42 \& 73 \& 700 \& 300 \& $23 \cdot 33$ \& 1910 \& <br>
\hline \& \& 55 \& $\begin{array}{ll}19 & 19\end{array}$ \& 2000 \& 100 \& $20 \cdot 00$ \& 1911 \& <br>
\hline \& \& 25 \& 158 \& 2000 \& ${ }^{60} 0$ \& 33.33 \& 1911 \& <br>
\hline \& \& $\stackrel{27}{23}$ \& $\begin{array}{ll}17 & 11 \\ 11 & 28\end{array}$ \& $\begin{array}{ll}18 & 0 \\ 18 & 0\end{array}$ \& 72
65 \& 29.23 \& 1912 \& <br>
\hline \& \& 86 \& 933 \& 1200 \& 650 \& 18.46 \& 1913 \& <br>
\hline \& \& 2 \& 89 \& 16 0 0 \& 930 \& 17-20 \& 1914 \& <br>
\hline \& \& 54 \& 123 \& 2200 \& 100 \& $22 \cdot 00$ \& 1916 \& <br>
\hline \& \& 14 \& 230 \& 1200 \& 280 \& $42 \cdot 86$ \& 1915 \& <br>
\hline \& \& 44 \& $17 \quad 6$ \& 2400 \& 90 \& $28 \cdot 66$ \& 1917 \& <br>
\hline \& \& 17 \& 131 \& 800 \& 320 \& 25.00 \& 1918 \& <br>
\hline \& \& 44 \& $17 \quad 6$ \& 2400 \& 70 \& $34 \cdot 29$ \& 1918 \& <br>
\hline \& Total \& \& 180. 26 \& 25980 \& 10550 \& 386.06 \& - \& 25-74 <br>
\hline
\end{tabular}



| $\begin{aligned} & \text { Serial } \\ & \mathbf{N o .} \end{aligned}$ | Name of village. | Area of land leased. |  | Assessment | Rents. | $\left\|\begin{array}{c}\text { Percentage } \\ \text { of rent } \\ \text { represented } \\ \text { by the } \\ \text { assessment. }\end{array}\right\|$ | Year. | Average of Col. 7 for each village. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Survey Nu. | Area. |  |  |  |  |  |
| 18 | $\begin{aligned} & \text { Group II-b-concld. } \\ & \text { Shemalds } \end{aligned}$ | 75 32 54 77 73 20 11 80 61 12 63 74 81 | A. g <br> 9 11 <br> 12 1 <br> 5 11 <br> 2 28 <br> 10 24 <br> 9 38 <br> 20 23 <br> 7 22 <br> 8 13 <br> 25 7 <br> 7 17 <br> 8 10 <br> 10 11 | $\|$Rs. a. p <br> 25 0 0 <br> 40 0 0 <br> 17 8 0 <br> 8 0 0 <br> 36 0 0 <br> 32 0 0 <br> 22 0 0 <br> 22 0 0 <br> 28 0 0 <br> 21 0 0 <br> 24 0 0 <br> 23 0 0 <br> 11 0 0 | 175 175 130 60 50 200 200 179 | $24 \cdot 29$ $30 \cdot 77$ $29 \cdot 17$ $16 \cdot 00$ $18 \cdot 00$ $17 \cdot 88$ $17 \cdot 60$ $17 \cdot 60$ $23 \cdot 33$ $32 \cdot 31$ $20 \cdot 00$ $20 \cdot 00$ $16 \cdot 92$ | 1909 <br> 1809 <br> 1910 <br> 1910 <br> 1911 <br> 1912 <br> 1913 <br> 1914 <br> 1915 <br> 1916 <br> 1917 <br> 1918 <br> 1919 |  |
| 19 |  |  | 13716 | 3148 | 1554 | $273 \cdot 87$ |  | 21.07 |
|  | Sarola | $\begin{array}{r} 101 \\ 84 \\ 21 \\ 45 \\ 19 \\ 62 \\ 43 \\ 10 \\ 104 \end{array}$ | $\begin{array}{ll}15 & 23 \\ 11 & 11 \\ 12 & 16 \\ 22 & 11 \\ 13 & 17 \\ 4 & 28 \\ 14 & 28 \\ 14 & 29 \\ 23 & 39\end{array}$ |  |  | $\begin{array}{r} 18.66 \\ 35.00 \\ 8.42 \\ 24.44 \\ 23.08 \\ 12.41 \\ 10.91 \\ 16.79 \\ 15.67 \end{array}$ | 1909 <br> 1911 <br> 1912 <br> 1913 <br> 1915 <br> 1916 <br> 1917 <br> 1918 <br> 1919 |  |
|  |  |  | 13252 | 9780 | 569 | 164.38 |  | $18 \cdot 26$ |
|  | Total II (b) . . |  | 2762-13 | $4377 \cdot 8$ | 26784 | $5448 \cdot 60$ |  | 10.04*6.12 |
|  | Total II-(a) and II (b). |  | $3118 \cdot 19$ | 4801 | 29398 | 6057 -04 |  | 20.19 6.12 |
|  | Grand Total |  | 8887 -37 | 8977 | 58604-10 | 14645.90 |  | 21.54 8.52 |
| Transactions 286 Assessment as percentage of rent in Group II b in 19 villages <br> *Rent as multiple of assessment in Group II b in 18 villages |  |  |  |  |  |  | $\because$ | $\begin{array}{r} 19 \cdot 04 \\ 8 \cdot 12 \end{array}$ |
| Transactions 315 Assessment as percentage of rent in 21 villages in Group II a and II b <br> *Rent as multiple of Asaessment in 21 viliages in Group II a and II b |  |  |  |  |  |  | $\cdots$ | $\begin{array}{r} 20 \cdot 19 \\ 6 \cdot 12 \end{array}$ |
| Transactions 680 Assessment as percentage' of rent in 57 villages in Groups 1, II a and II b.. <br> *Rent as multiple of Assessment in 57 villages in Groups 1, II a and II b |  |  |  |  |  |  |  | $\begin{array}{r} 21 \cdot 64 \\ 6.52 \end{array}$ |

## REVISED APPENDIX H.

Leases of dry crop lands in of Bhusawal Taluka.


## REVISED APPENDIX H.

Leases of dry crop lands in the villages of the Edlabad Peta.


REVISED APPENDIX H.
Leases of dry crop lands in the villages of Edlabad Peta, District East 'Khandesh.


## APPENDIX I.

Prices prevalent in the Bhusaval Taluka from 1889 to 1919.


Prices prevalent in the Edlabad Peta from 1889 to 1919.

| Rate per Rupee. |  |  |  | Seers of $\mathbf{8 0}$ Tolas per Rupee. |  |  |  | 1 Chhatak 5 Tolas. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Yeara | Jow |  | Bajri. | Wheat. | Tur |  | Gram. | Cotton with seeds. | Sesame. | Remarks. |
| 1 |  |  | 3 | 4 |  |  | $\cdots 6$ | 7 | 8 | 9 |
|  | S. | ch. | S. ch. | g. ch. |  |  | S. oh. | S. ch. | S. ch. |  |
| 1888-98 | 18 | 6 | 1710 | $14 \quad 12$ | 10 | 15 | $14 \quad 12$ | 614 | 64 |  |
| 1889-90 | 19 | 14 | 187 | 1215 | 9 | 13 | 140 | 73 | $\begin{array}{ll}6 & 2\end{array}$ |  |
| 1890-91 | 25 | 12 | 298 | 14. | 12 | 7 | 14.2 | 158 | 71 |  |
| 1891.92 | 26 | 13 | $25 \quad 12$ | 125 | 14 | 7 | 147 | 90 | 612 |  |
| 1892-93 | 23 | 12 | $22-3$ | 1811 | 14 | 7 | $14 \quad 7$ | 611 | 614 |  |
| 1893-94 | 18 | 0 | 19 0 | 13 2 | 14 | 8 | $15 \quad 7$ | $-712$ | 78 |  |
| 1894-95 | 20 | 3 | $19 \quad 14$ | 15 | 13 | 10 | 15 | -8 7 | $\begin{array}{ll}7 & 9 \\ 7\end{array}$ |  |
| 1895 | 22 | 10 | 247 | 168 | 14 | 2 | 161 | $7 \quad 15$ | $7 \quad 7$ |  |
| 1896 | 15 | 12 | $16 \quad 2$ | 10 | 10 | 5 | 110 | $7 \quad 14$ | $7 \quad 12$ |  |
| 1897 | 9 | 11 | $10 \quad 0$ | $7{ }^{7} 4$ | 5 | 14 | 78 | 8 | $\begin{array}{ll}6 & 5\end{array}$ |  |
| 1898 | 26 | 8 | 2713 | 92 | 9 | 9 | 97 | 107 | 714 |  |
| 1899 | 16 | 0 | 196 | $9 \quad 4$ | 10 | 9 | ${ }^{-\cdots}$ | 89 | $7 \quad 7$ |  |
| 1900 | 9 | 4 | 9.13 | $7{ }^{7}$ | 7 | 2 |  | $\cdots$ | 514 |  |
| 1901 | 17 | 3 | $16 \%$ | $8{ }^{8} 8$ | 7 | 4 | ${ }^{9}$ - 2 |  | $\cdots$ |  |
| 1902 | 19 | 7 | 16.7 | $\begin{array}{ll}9 & 6 \\ 9 & 9\end{array}$ | 9 | 5 | $10^{\circ} 10$ | 88 | $\cdots$ |  |
| 1903 | 24 | 3 | 1811 | $\begin{array}{rr}9 & 9 \\ 10\end{array}$ | 9 10 | 9 7 | $\begin{array}{ll}11 & 6 \\ 14 & 3\end{array}$ | $\begin{array}{rrr}8 & 0 \\ 5 & 10\end{array}$ | $\cdots$ |  |
| 1904 | 18 | 4 | 19 | $10 \quad 11$ | 10 | 7 | $\begin{array}{rr}14 & 3 \\ 13 & 11\end{array}$ | $\begin{array}{rr}5 & 10 \\ 5 & 8\end{array}$ | $\cdots$ |  |
| 1905 1906 | 17 | 15 1 | $\begin{array}{rr}18 & 6 \\ 14 & 10\end{array}$ | 11 2 <br> 9 8 | 10 8 | 3 14 | $\begin{array}{rr}13 & 11 \\ 10 & 5\end{array}$ | 5 5 5 | $\because$ |  |
| 1906 | 16 | 1 | 14 150 | $\begin{array}{ll}9 & 8 \\ 8 & 6 \\ \end{array}$ | 8 | 14 15 | $\begin{array}{ll}10 & 5 \\ 10 & 7\end{array}$ | $\begin{array}{ll}5 & 3 \\ 6 & 4\end{array}$ | $\because$ |  |
| 1908 | 10 | 9 | 101 | 614 | 5 | 11 | 711 | .. | $\cdots$ |  |
| 1909 | 15 | 5 | $14 \quad 2$ | 70 | 6 | 5 | 97 | - | $\cdots$ |  |
| 1910 | 16 | 2 | 14.14 | 80 | 8 | 13 | 1115 | ${ }^{\circ} 0$ | $\cdots$ |  |
| 1911 | 14 | 14 | $13 \quad 13$ | $9 \quad 4$ | 12 | 0 | $13 \quad 0$ | 50 | . |  |
| 1912 | 10 | 15 | 105 | $7 \quad 12$ | 8 | 13 | $10 \quad 13$ | 45 |  |  |
| 1913 | 11 | 0 | 11.3 | 89 | 8 | 14 | 11.12 | 45 | . |  |
| 1914 | 14 | 9 | $13 \quad 12$ | 75 | 6 | 6 | $8 \quad 12$ | 77 | .. |  |
| 1915 | 13 | 7 | 129 | 70 | 6 | 12 | 98 | 80 | . |  |
| 1916 | 17 | 12 | 1614 | $7 \quad 14$ | 7 | 2 | $9 \quad 2$ | 34 | .. |  |
| 1917 | 14 | 4 | 130 | $7 \quad 11$ | 7 | 15 | 98 | 38 | . |  |
|  | 6 | 8 | 71 | 414 | 6 | 10 | $\begin{array}{lr}7 & 2 \\ 4 & 14\end{array}$ | $\begin{array}{ll}2 & 0 \\ 2 & 6\end{array}$ | $\cdots$ |  |
| -1919 |  | 11 | .. | 43 | 3 | 5 |  |  |  |  |

APPENDIX K.
Collection of Assesssment on Government land in the villages of the taluka of Bhusaval.


Collection of Assessment on Government land in the villages of the Edlabad Peta.


APPENDIX L.
: 11 880-16

Effect of Revision Settlëment proposals on Government

occupied land, in Bhusaval Taluka.


| $\begin{gathered} \text { 宮 } \\ \text { 品 } \\ \text { 爱 } \\ 1 \end{gathered}$ | Hame omvilage， | －${ }^{\text {a }}$－By Formet Sitit |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Maximum rates． |  |  | Dry－crop． |  |  | Rleo． |  |  | Garden． |  |  | Total． |  |  |
|  |  |  | $\begin{aligned} & \dot{6} \\ & \text { 曷 } \\ & \text { 日 } \\ & 4 \end{aligned}$ | $\begin{gathered} \dot{8} \\ \dot{\mu} \\ 5 \end{gathered}$ | $\begin{aligned} & \text { 軎 } \\ & \text { ¢ } \\ & 6 \\ & 0 \end{aligned}$ |  |  | $\begin{aligned} & \dot{8} \\ & \text { E } \\ & \stackrel{8}{8} \\ & 6 \end{aligned}$ | $10$ |  | $\begin{aligned} & \text { 㡙 } \\ & \frac{5}{4} \\ & 12 \end{aligned}$ | $\begin{aligned} & 8 \\ & 48 \\ & 48 \end{aligned}$ |  <br> 14 | $\begin{aligned} & \text { 苞 } \\ & \text { 4 } \\ & 16 \end{aligned}$ | 8 4 4 | $\begin{aligned} & \text { 娄 } \\ & \text { 震 } \\ & \mathbf{1 7} \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \\ & 8 \\ & 8 \end{aligned}$ |
|  | ． |  | Bs．a．p． | Ro－ | Re． | Acres． | B6． 1 | Re． | Acres． | Be． | Rs． | А¢тsa． | Ra． | Ro． | Acres． | Rn． | Ra，A． F |
| 50 | Dhanori | 1 | 8 d | ． | 84 | 1，301 | 1，126 | $\cdots$ | $\cdots$ | $\cdots$ | － | 8 | 8 | － | 1，804 | 1，120 | ．． |
| 51 | Dhondkhede ．． | I | 81 | ． | 34 | 1，880 | 2，658 | － | $\cdots$ | ＊ | － | 7 | 10 | ．． | 1，887 | 2，888 | $\therefore \quad$ |
| 52 | Nadgaon $\quad$. | 1 | 3.4 | ． | 34 | 679 | ${ }^{\prime} 1,112$ | $\cdots$ | $\therefore$ | $\cdots$ | $\cdots$ | 41 | 87 | $\cdots$ | 720 | 1，179 | ． |
| 53 | Nandgrion $\quad$. | 1 | 24 | ．． | 84 | 876 | 622 | ． | ． | － | －． | 20 | 38 | ．． | 896 | 665 | － |
| 54. | Atmkhede－． | I | 8 ＊ | － | 84 | 1，578 | 2，770 | － | $\cdots$ | － | $\cdots$ | 24 | 48 | － | 1，602 | 8.812 | ．． |
| 65 | Nimbole | 1 | 34 | － | 84 | 665 | 762 | $\cdots$ | ＂ | $\cdots$ | － | － | ＊ | － | 065 | 762 | ． |
| 56 | Nimbhore Khurd ．． | 1 | 84 | ．． | 84 | 195 | 309 | － | － | $\cdots$ | $\cdots$ | 0 | 18 | － | 205 | 417 | ．． |
| 57 | Nimbhore Budruk ．． | 1 | 84 | － | 84 | 640 | 1，101 | $\cdots$ | ．． | － | －． | $25^{*}$ | 42 | － | 068 | 1，148 | ．． |
| 58 | Palaskhede Khurd ．．． | 1 | 84 | $\therefore$ | 84 | 255 | 408 | ． | $\cdots$ | － | － | ． | － | $\cdots$ | 255 | 408 | ．， |
| 59 | Palaskhede Buăruk ．． | 1 | 34 | ．． | 84 | 877 | 1，158 | －• | $\cdots$ | －• | $\cdots$ | 6 | $?$ | －＊ | 882 | 2，165 | ．． |
| 60. |  | 1 | 84 | － | 84 | 167 | 155 | －• | －• | －• | $\cdots$ | $\cdots$ | ． | ． | 167 | 155 | ．． |
| 61 | Panchdevall ．． | I | 8 | － | 84 | 786 | 000 | －• | ．． | ．． | ． | 4 | 5 | ．． | 700 | 905 | ．． |
| 62 | Ptompr Sekam ．． | I | 84 | － | 84 | 1，890 | 1，840 | － | $\cdots$ | － | ．${ }^{\prime}$ | － | ． | ． | 1，890 | 1，840 | ．． |
| 68 | Pimpri Pr．Nasbirabad． | 1 | 8.4 | ． | 84 | 470 | 770 | $\cdots$ | $\cdots$ | － | ．． | － | $\cdot$ | － | 470 | 770 | ．． |
| 04 | Pimpalgaon Khurd ．． | 1 | 84 | － | 84 | 1，708 | 2，071 | －• | －• | ． | $\cdots$ | 4 | 5 | $\cdots$ | 1707 | 2，076 | ． |
| 65 | Pimpalgaon Budruk | 1 | 84 | ． | 84 | 647 | 1，175 | ． | ． | $\cdots$ | － | 28 | 51 | ． | 675 | 1，228 | ．． |
| 68 | Farkanite | 1 | 84 | ＂ | 84 | F | F | － | $\cdots$ | － | － | ． | ． | ． | F | 7 | ．． |
| 67 | Fulgaon | I | 84 | －－ | 84 | 2，059 | 2，025 | ． | － | ． | － | 38 | 60 | ． | 1，002 | 1，885 | － |
| 68 | Fekr | I | 84 | ． | 84 | 510 | 685 | $\cdots$ | － | ．． | ．． | 34 | 47 | ． | B58 | 732 | ．． |
| ，69： | Belwahal－． | I | 34 | － | \＄ 4 | 542 | 720 | $\cdots$ | ． | ． | ．． | 2 | 8 | － | 544 | 728 | － |
| 70 | Bodwad－． | 1 | 8.4 | － | 84 | 4，244 | 7，824 | $\cdots$ | ． | －． | ． | 55 | 101 | － | 4，209 | 7，985 | － |
| 71 | Borgaon ．． | 1 | 81 | ． | 34 | 678 | 659 | － | ． | －． | －． | ． | ． | ． | 878 | 650 | ．． |
| 72 | Boliardl Khurd ．． | 1 | s 4 | ． | 84 | ． 614 | 527 | $\cdots$ | ． | －• | ．． | 4 | 8 | ．－ | 618 | 680 | － |
| 78 | Bohardi Budruk ．．． | I | 84 | － | 84 | 929 | 994 | － | －• | － | ． | 16 | 17 | －• | 945 | 1，011 | ．． |
| 74 | BhankhedePr．Etilar had | 1 | 34 | ＊ | 84 | 786 | 771 | $\cdots$ | $\cdots$ | －• | －• | ． | － | ． | 786 | 771 | ．$\cdot$ |
| 75 | Bhankhede Pr．Varan－ gaon | 1 | 34 | －• | 84 | 728 | 840 | ． | －• | $\cdots$ | － | － | 7 | ． | 784 | 847 | ．． |
| 76 | Manyarkhede ．． | I | 84 | － | 84 | 219 | 868 | － | $\cdots$ | $\cdots$ | ． | ．． | ．． | ＊ | 810 | 868 | ．． |
| 77 | Manur Khurd | 1 | 84 | －• | 84 | 1，249 | 1，908 | － | ． | $\cdots$ | ． | 24 | 87 | － | 1，278 | 1，943 | $\cdots$ |
| 78 | Manur Budruk ．． | 1 | 8 | － | 84 | 2，620 | 4，078 | ．． | － | － | ．－ | 6 | 11 | ．． | 2，685 | 4，689 | ．．${ }^{\text {c }}$ |
| 19 | Mabamadpur | 1 | 84 | $\cdots$ | 3.4 | 859 | 870 | $\cdots$ | ． | － | $\cdots$ | ． | － | － | 859 | 870 | － |
| 80 | Mahalaxmi ．． | 1 | 84 | ． | 34 | 1，432 | 1，787 | $\cdots$ | － | ． | ． | － | － | －． | 1，432 | 1，787 | － |
| 81 | Manpur $\quad \therefore$ | 1 | 84 | ．． | 84 | 802 | 028 | － | ． | ．． | ．． | － | － | ． | 802 | 928 | －． |
| 82 | Manmodi ．．． | 1 | 84 | $\because$ | 84 | 888 | 901 | － | ． | － | ． | ． | － | $\cdots$ | 888 | 991 | $\cdots$ |
| 88 | Madapl ．． | 1 | 34 | ． | 34 | 961 | 858 | － | － | ． | ．． | ．． | ． | ． | 862 | 858 | $\cdots$ |
| 84 | Mirgaman－．．＇ | I | 84 | － | 34 | 508 | 011 | －． | －• | ．． | ． | 2 | 8 | ． | 600 | 914 | －＊ |
| 85 | Muktal | 1 | 84 | ＇． | 34 | 1，081 | 1，281 | － | －• | $\cdots$ | ． | 8 | 4 | － | 1，084 | 1，285 | － |
| 86 | Mondhale ．． | I | 84 | $\cdots$ | 84 | 1，001 | 2，092 | ．． | ．． | ． | ． | － | $\cdot$ | $\cdots$ | 1，001 | 2，092 | －． |
| 87. | Mohojal ．． | 1 | 84 | － | 84 | 798 | 880 | － | ． | ＊＊ | － | ． | ． | ．． | 798 | 880 | － |
| 89 | Yengaor ．． | 1 | 84 | － | 34 | 1，618 | 8，808 | － | － | $\cdots$ | ． | 68 | 142 | － | 1，681 | 80505 | － |
| 89 | Xewath ．． | 1 | 84 | ．． | 34 | 8，088 | 5，081 | ． | ．． | $\cdots$ | ．． | 4 | 7 | ．． | 8，097 | 5，088 | ． |
| 20 | Rajur | 1 | 84 | － | 84 | 1，196 | －2，112 | － | ． | ． | － | ． | $\cdots$ | ． | 1，106 | 2，118 | － |
| 01 | Rawatchinchole | 1 | 84 | － | 34 | 828 | 1，126 | － | $\cdots$ | ． | . | 4 | 5 | ． | 827 | 1，182 | $\because$ |
| 02 | Rumhane | I | 84 | ． | 34 | 242 | 498 | ， | ．． | － | ．． | 88 | 77 | ． | 280 | 560 | $\cdots$ |
| 93 | Rewatl $\quad$. | I | 84 | － | 8 c | 868 | 958 | ＂ | ＊＊ | ． | ． | $\cdots$ | － | 0. | 888 | 958 | ．． |
| 94 | Yonwadi Pr．Bodwad． | $I$ | 84 | ．． | 34 | 1，672 | 2，702 | － | $\cdots$ | － | － | － | － | $\bullet$ | 1，672 | 2，702 | － |
| 95 | Lonwad Pr．Varan－ gaon | 1 | 84 | ．． | 8 | 083 | 768 | ＊ | ． | ．． | ． | 5 | 4 | ．． | 938 | 772 | － |
| 08 | Vazatchede ．．． | 1 | 34 | ． | 84 | 1，079 | 1，180 | － | ． | ．． | ．． | 6 | 6 | ．． | 1，085 | 1，142 | ．． |
| 97 | Vadll $\quad \cdots$ | 1 | 84 | ． | 8 | 705 | 1，102 | － | ． | － | ＊ | 14 | 22 | $\cdots$ | 719 | 1，128 | ＊ |

L－continued．

| －$\quad \cdots$ |  |  | By Rerstion Sottiomment． |  |  |  |  |  |  |  |  |  |  |  |  | Namenot vilages． | 首$\frac{1}{4}$86 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maxtmum Rasea． |  |  | Dry－4rop： |  |  | niloo． |  |  | Garden． |  |  | Total． |  |  |  |  |  |
| $\begin{aligned} & \text { E } \\ & 10 \end{aligned}$ | $\begin{aligned} & \frac{8}{88} \\ & 00 \end{aligned}$ | $\begin{aligned} & \text { 匕y } \\ & 21 \end{aligned}$ |  | ${ }^{2}$ | $\begin{aligned} & \text { 最 } \\ & 24 \\ & 24 \end{aligned}$ | $25$ | $\begin{aligned} & \frac{1}{6} \\ & \frac{1}{4} \\ & \frac{26}{4} \\ & \hline \end{aligned}$ |  | $\begin{gathered} \dot{8} \\ \stackrel{y}{4} \\ 28 \end{gathered}$ | $\begin{aligned} & \text { 乓 } \\ & \text { 量 } \\ & 20 \end{aligned}$ |  | $\underbrace{8}_{81}$ | $\begin{gathered} \text { 劳 } \\ \text { 㕝 } \\ { }_{32} \end{gathered}$ |  |  |  |  |
| нa．．． | s． | ra． | Acres． | RA． | ks． | es． | Ra， | Rs． | Acres． | $\mathrm{Ba}^{\text {a }}$ | Bn． | Acres． | Rs | ${ }_{8} 8$. |  |  |  |
|  | ．． | 4 | 1，801 | 1，407 |  |  |  |  | 2 |  |  | 1，504 | 11 |  |  |  |  |
|  | $\cdots$ | 4 | 1，880 | 3，328 | ．． | ．． | ． | ．． | 7 | 12 |  | 1，887 | 3，386 |  | 24.88 25.00 | Dhanor | so |
| ＊ | $\cdots$ | 41 | 679 | 1，890 | ． | $\cdots$ | ．． | \％． | 41 | 84 | ． | 720 | 1，474 |  |  | Nadzaon |  |
| － | ． | 4 | 370 | 778 | ． | ． | $\cdots$ | ．． | 20 | 4 | ． | 308 | 819 |  |  | a | 62 |
| －1 | ． | 61 | 1，578 | 3，46s | ． | $\cdots$ | ．． | $\cdots$ | 2 | 59 | $\cdots$ | 1，602 | 3，615 |  | 25．04 | Nandgaon | 53 |
| ， | ．． | 41 | 065 | 058 |  |  | ． |  |  |  | $\because$ | 1，002 | 958 |  | 25.00 | NImkhode | 54 |
| 1 | ． | 41 | 105 | 488 |  |  | $\cdots$ | $\cdots$ | $\cdots$ | ${ }^{-28}$ | $\cdots$ | 665 | 058 |  | 25.07 | 10 | 5 |
| 1 |  | 41 | 40 | 1，87 | ． | ．． | ．． | $\stackrel{.}{ }$ | － 20 | 51 | $\cdots$ | 208 | 521 |  | $2 \cdot 9$ | Nimbhore Eburd | ${ }^{68}$ |
|  |  |  | 255 |  |  |  |  |  |  |  |  |  |  |  | des | Nimbhore Budruk | ${ }^{67}$ |
| 1 |  |  |  | 1，4 |  |  | ＂ | $\cdots$ | S | － |  | 208 |  |  | $25 \cdot 00$ | Palagkliede Ehurd | 58 |
|  |  |  |  |  |  | $\cdots$ | $\cdots$ | $\cdots$ |  |  | ．． | 882 | 2，450 | ．． | $24 \cdot 88$ | Palaskhede Budrut ：－ | 69 |
| 41 | $\cdots$ | 4 | 107 | 104 | $\cdots$ | ． |  | ．． | ．． | $\cdots$ |  | 67 | 94 |  | 10 | Palnskhede Pr．Varan－絾0n． | 60 |
| －1 | ． | 4 | 788 | 1，125 | ．． | $\cdots$ |  | ． | 4 | － 0 | $\therefore$ | 90 | 1，131 | ． | 97 | Panahdevall | 4 |
| 41 | ． | 41 | ， 800 | 2，300 | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | ．． | ． | ． | 1，580 | 2，500 | ． | $5 \cdot 0$ | Plmpri Sekam | 82 |
|  | ．． | － 1 |  | 062 | ． | $\cdots$ | ．． | ．． | ．． | ．． | $\cdots$ | 470 | 908 |  | 21.08 | Pimpri Pr：Nashirabad | os |
| 41 | ．． | 41 | 1，709 ${ }^{\circ}$ | 2，689 | $\cdots$ | $\cdots$ | － |  | ＊ | ${ }^{5}$ |  | 1，707 | 2，506 |  | K25－07 | Pimpaligon Khurd ．． | 64 |
| －1 | $\cdots$ | 41 | 647 | 1，469 | ．． | ． | ． | － | 28 | 4. | ． | 075 | 1，5s2 |  | $24 \cdot 86$ | Buaruk． | os |
| 41 | ．． | 4.1 | F | F | $\cdots$ | $\cdots$ | ．． | $\because$ | $\cdots$ | ． | ． | \％ | r | ． | ．． | Farkando | os |
| 4： | ． | 41 | 1，050 | 2，409 | $\cdots$ | $\therefore$ | ． | $\because$ | 89 | 72 |  | 1，902 | 2，481 |  | 99 | Fulgaon | ．or |
| 41 | ． | －1 | 518 | 650 | ． | ．． | ． | ．． | 34 | ${ }^{68}$ | ． | ． 653 | 015 | ． | 5.00 | Felar | ${ }^{68}$ |
| －1 | $\cdots$ | 41 | 542 | 900 | ． | ． | ． |  | 2 | － | ． | 54 | 004 | ． | 25.08 | Belwahal | 68 |
| 1 | ． | 41 | 4，2n4 | 9，780 | ．． | ． | ．． | $\cdots$ | ${ }_{5}$ | 120 | － | 4，209 | 0，900 | ． | $24 \cdot 87$ | Bodmad | ． 70 |
|  | ． | 41 | 678 | 824 |  | ． | ． | ． | ． | － | ． | 878 | 84 | ． | 25．04 | Borgaon ．．． | 71 |
| 41 | ．． | 41 | 016 | 059 | ．． | ． | $\cdots$ | ． | ， | ＊ | ． | ${ }^{618}$ | 63 | ． | 25.09 | Bohardi Shurd | ． 72 |
| －1 | ．． | 41 | 020 | 1，243 | $\cdots$ |  | ． | ． | 16 | 21 | ． | 245 | 1，204 | ． | 2502 | Bohardl Budruk ．． | 78 |
| 41 | ． | 41 | ${ }^{796}$ | 964 | $\cdots$ | ．． | $\cdots$ | ． | ．． | ．－ | ． | 796 | 964 |  | 25•08 | Bhankhede Pr．Bals－ | 74 |
|  | $\cdots$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  | bad $\cdot \cdot$ |  |
|  |  |  |  | 1，050 | $\cdots$ | $\cdots$ |  |  |  |  | ． |  | 1，059 | ． | 25.08 | Bhanchede <br> guon <br> Pr．Varan－ | 76 |
|  |  | 4.1 | 819 | 480 | ． | $\cdots$ |  |  | ． | $\cdots$ | ． | 319 | 160 | ．． | $25: 00$ | Manyarkhede | 78 |
|  |  | ， | 1，299 | 2，88s |  | ． |  | $\cdots$ | 24 | 46 | ．． | 1，278 | 2，480 | $\cdots$ | 01 |  | 77 |
|  | $\cdots$ | 41 | 2，020 | 5，847 |  | ．． | $\cdots$ | ． | 6 | 14 | ． | 2，08s | 5，801 | ．． | 84.09 | Manar Budruk | 78 |
|  |  | 41 | 959 | 4 | ． |  |  | ． | ．． | ．． | ．． | 50 | ${ }^{662}$ |  | $24 \cdot 87$ | Mahamadpur |  |
|  | $\cdots$ | 4 | 1，432 | 2，284 | ． | $\cdots$ | －． | ． | ．． | ． | ．． | 1，432 | 2，24 |  | $25 \cdot 02$ | Mabslaxm1 | 80 |
|  | $\cdots$ | －1 | ${ }^{20} 8$ | 1，154 | $\cdots$ | ． |  | ． | ． | ．． | ． | 02 | 2，164 | ． | 08 | Manpur | 82 |
|  | $\because$ | ． 1 | 888 | 1，198 | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | ．． | ．． | 888 | （1，126 |  | 8 | Manmodl | 8 |
|  | ． | 41 | 801 | 41 |  | ． | ． |  | ．． | － | ．． | 801 | 41 | ． | $24 \cdot 03$ | Madapl | ${ }^{83}$ |
|  |  | 4 | 698 | 1，188 | $\cdots$ | $\cdots$ | ． | $\cdot$ | 2 | － | ． | 000 | 1，112 | ．． | $2 \cdot 95$ | Mirravan | 84 |
|  |  | 1 | 1，031 | 1，630 |  | ． |  |  | 8 | B | ． | 1，094 | 54 |  | 25.02 | Muktel ．．． | 85 |
|  | $\because$ | － 1 | 1，601 | 2，615 | ． | $\cdots$ | ． | ． | ．． | ．－ | ． | 1，001 | 2，016 |  | 25.00 | Mondhale | 8 |
| 41 | ．． | 41 | ${ }^{793}$ | 1，100 | $\cdots$ | $\cdots$ | $\cdots$ | $\stackrel{*}{*}$ | ．． | ． | ． | 768 | 1，100 | ． | 0 | Mohojal | 87 |
|  |  | －1 | 1，418 | 4，20 | ． | ． | ． | ． | ${ }^{68}$ | 177 | ． | 1，681 | 4，381 | ． | 4．99 | Yougan | 88 |
| 41 | － | 41 | 2，098 | 0，561 | ，． | $\cdots$ | $\cdots$ | ．． | A | － | $\because$ | 8,09 | 0，860 | ． | 8500 | yevat | 8 |
|  | ． | 41 | 1，198 | 2，040 | ． | $\cdots$ | ． | ． | ．． | ．． | ．． | 2，100 | 2，040 | ． | 500 | zajur | 90 |
|  | － | ． 1 | 828 | 1，408 | ． | ． | ． | ． | A | － | ． | 827 | 1，114 | ． | 26.02 | Ravatuthechole | 91 |
| 42 | $\cdots$ |  |  | ${ }^{315}$ |  | $\cdots$ |  |  | ${ }^{28}$ | 08 | ．． | 280 | ${ }^{11}$ | $\cdots$ | $2 \cdot 0$ | Rumbana． | 02 |
|  | ． | 41 | 808 | 2，198 | $\cdots$ | $\cdot$ | ． |  | ． | ． | ． | 868 | 2，108 |  | ． 05 | Rewatal | 03 |
|  | $\cdots$ | －1 | 1，672 | 8，877 | ． | $\because$ | ．． |  | ．． | ．． | ．． | 1，972 | 8，577 | $\cdots$ | 98 | Lonwad Pr．Bodmad． | 04 |
|  | $\cdots$ | 41 |  | ${ }^{000}$ | ． | ．． |  |  | $\checkmark$ | 5 | ． | $0{ }^{\circ}$ | pes | $\cdots$ | ${ }^{25} \cdot 0$ | Lonwadi Pr．Vayan | ． 5 |
| 41 | － | 41 | 4.078 | 1，20 | $\cdots$ | ．． | ．• | ． | － | － | ．． | 2，085 | 2，427． | ． | 24：03 | Vasarikede | ＊ |
| 41 | ．． |  |  | 1，971 | ．． |  |  | ．． | 14 |  | ．． |  | 1，400 |  | 95 | Vadil | 87 |



L-continued


Effect of Revision Settlement proposals

| $\begin{aligned} & \frac{1}{\partial} \\ & \text { 号 } \end{aligned}$ | Name ot Filusge$\sim$ | By Former Settioment． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { 흉 } \\ & \text { O } \\ & \text { O } \\ & \text { o } \\ & 8 \end{aligned}$ | Mardmum zates． |  |  | Dry－mop． |  |  | Eteen |  |  | Oarden． |  |  | Total． |  |  |
|  |  |  | $\begin{aligned} & \text { 音 } \\ & \text { 若 } \\ & 4 \end{aligned}$ | \％ |  | $\begin{gathered} \text { 嘦 } \\ 7 \end{gathered}$ |  | $\begin{aligned} & \text { \& } \\ & \frac{6}{4} \\ & \hline 1 \end{aligned}$ | $\begin{aligned} & \$ \\ & \frac{8}{4} \end{aligned}$ |  | $\begin{aligned} & 6 \\ & 68 \\ & 6 \\ & 68 \end{aligned}$ | $\begin{aligned} & \underset{4}{4} \\ & 18 \end{aligned}$ |  | $\begin{aligned} & \text { d } \\ & \text { d } \\ & \text { 48 } \\ & \text { 15 } \end{aligned}$ | ¢ 4 16 |  | － |
|  |  |  | RJ．s． |  | Be．a． | Acres． | Hs． E ． | Ra，a． | B． | Acren． | Re，a． | A．ares． |  | R．a． | Acrean． | Bn． | 8． |
| 1 | Konarkhode ．． | 8 | $\cdots 8$ | － | 8 A | 1，302 | 1，258 | ． | ．． | ．． | ．． | 8 | 8 | － | 1，805 | 1，258 | $\because$ |
| 2 | Kothall | 1 | － 4 | － | 81 | 880 | 1，089 | ． | － | － | ．． | 89 | 78 | ． | 010 | 1，712 | － |
| 8 | Chlehall ．． | 1 | 34 | － | 84 | 450 | 001 | ． | ．． | $\cdots$ | $\cdots$ | 3 | 6 | $\cdots$ | 458 | 007 | － |
|  | Chinchole ．．． | II | 84 | － | 84 | 400 | 681 | － | ．． | $\cdots$ | ． | 20 | 29 | ．． | 620 | 600 | $\cdots$ |
| 5 | Dhormal ；．$\cdot$ ， | $\underline{ }$ | 84 | ．． | 84 | 685 | 688 | ． | ． | ． | $\cdots$ | － | ． | ．． | 035 | 688 | － |
| 6 | Tarode $\quad \because$ | 1 | 34 | － | 3. | 978 | 1，785 | $\cdots$ | ． | ．． | ． | 10 | 18 | ． | 988 | 1，753 | － |
| 7 | Dudhale ．． | 1 | 84 | ．． | 84 | 831 | 1，174 | ．． | ．． | ． | ． | 8 | 4 | － | 884 | 1，178 | ．${ }^{\text {．}}$ |
| 8 | Nimkhodi Ėhurd ．． | 41 | 84 | $\cdots$ | 84 | 678 | 602 | ． | ． | $\cdots$ | ＂ | 2 | 2 | ． | 675 | 694 | $\cdots$ |
| $\bigcirc$ | Palaskheide－．． | $\underline{1}$ | 34 | ． | 34 | 487 | 407 | ． | ． | $\cdots$ | － | 2 | 2 | － | 489 | 400 | 5 |
| 10 | Bhapiguro ．． | 1 | 34 | ． | 8.4 | 478 | 984 | ． | ． | ． | ＇， | ＊＊ | ． | －• | 478 | 084 | ． |
| 11 | Manyarichede ．． | 11 | 84 | － | 84 | 680 | 516 | ．． | $\cdots$ | ．． | － | $\cdots$ | $\cdots$ | ． | 880 | 816 | $\cdots$ |
| 12 | Malegaon | 1 | 34 | － | 3.4 | 568 | － 657 | ．． | ．． | $\bullet$ | ． | 7 | 7 | ． | 570 | 864 | $\cdots$ |
| 18 | Mehum ．0 | 1 | 3.4 | － | 84 | 635 | 1，146 | ． | ． | $\cdots$ | －• | 20 | 88 | ． | 855 | 1，182 | － |
| － 14 | Emil Khedo ．． | 1 | 34 | ． | 84 | 1，058 | 1，274 | － | ． | $\cdots$ | ． | 16 | 19 | ．$\cdot$ | 1，068 | 1，208 | － |
| 15 | Vachwo | 1 | 34 | － | 84 | 1.021 | 2，562 | ． | ．． | － | － | 7 | 0 | － | 1，028 | 2，871 | $\cdots$ |
| 16 | Satod ．． | 1 | 3 ＊ | ．． | 34 | 2，197 | 2，478 | ．． | $\because$ | － | ． | 8 | 0 | $\cdots$ | 2，206 | 2，487 | － |
| 17 | Sarole ．． | I | 3. | ．． | 34 | 1，200 | 1，094 | ．． | －． | ． | ． | ． | $\cdots$ | －• | 1，209 | 1，094 | $\cdots$ |
| 18 | Salhardt | 1 | 2． 4 | ． | 84 | 486 | 680 | － | －• | ． | ． | 26 | 41 | $\because$ | 481 | 721 | － |
| 10 | Hartala ．． | 1 | 3． 4 | －• | 8.4 | 4，876 | 4，817 | ． | ． | ． | － | ， | 8 | ． | $-4,870$ | 4，620 | － |
| 20 | Hingue Ehurd ．．． | 1 | 3.4 | －• | 2.4 | 180 | 101 | ． | ． | ． | ． | 7 | 10 | $\cdots$ | 197 | 201 | － |
| 21 | Antarli | II | 30 | $\cdots$ | $8 \times$ | －8，200 | 7，787 | －． | ．． | －• | ．． | 68 | 106 | ． | 3，288 | 7，958 | － |
| 22 | Antarlhede ．． | II | 30 | ．． | 30 | 840 | 807 | ．． | －• | $\cdots$ | ． | ． | － | $\cdots$ | 840 | 807 | ． |
| ta | Anjangeon ．． | II | 30 | ． | 80 | F | $\boldsymbol{F}$ | ． | ． | ． | ． | ．． | ．． | ． | F | 7 | ． |
| 84 | Amode－．． | －II | 30 | ． | 80 | 177 | 584 |  | ．． | ． | ． | ． | ． | － | 177 | 584 | ＊ |
| 25 | Ichhapur ．． | II | 30 | ．． | 80 | 890 | 647 | ． | ．． | $\cdots$ | ．． | ． | ． | ． | 890 | 647 | $\cdots$ |
| 25 | Omis | II | 30 | － | 80 | 578 | 684 | ． | $\cdots$ | ． | － | 0 | 7 |  | 634 | 671 | － |
| 27 | Vchande ．． | $\underline{1}$ | 30 | ． | 80 | 1，528 | 2，864 | ． | ．． | ． | ． | 2 | 4 | $\cdots$ | 1，525 | 2，868 | ． |
| 28 | Umardo－．． | II | 30 | ．． | 80 | 282 | 868 | $\cdots$ | ．． | ． | ．． | － | $\cdots$ | $\cdots$ | 282 | 868 | $\cdots$ |
| $20^{\circ}$ | Edlabad ．． | II | 30 | － | 80 | 2，623 | 5，187 | ． | $\cdots$ | $\cdots$ | $\cdots$ | － | 12 |  | 2，629 | 5，189 | － |
| 30 | Kaloode | II | 80 | ．． | － 30 | 1，298 | 2，003 | ． | ．． | ．． | ．． | 10 | 82 | ． | 1，247 | 2，093 | － |
| 3 | Kard | II | 30 | ． | 80 | 232 | 852 | － | $\cdots$ | －• | ． | 38 | 58 | ．． | 270 | 410 | － |
| 82 | Kalwade $\quad$. | II | 30 | － | 80 | 204 | － 489 | －． | － | $\cdots$ | $\cdots$ | 19 | 28 | $\cdots$ | 818 | 467 | － |
| 38 | Kand | －II | 30 | ．． | 80 | 175 | 297 | ． | ． | ．． | ．． | ．． | $\cdots$ | $\cdots$ | 176 | 207 | ． |
| 3 | Kurbe | II | 80 | ． | 80 | 876 | 1，524 | ＊ | ．． | ．． | $\therefore$ | 5 | 9 | $\cdots$ | 881 | 1，581 | － |
| 95 | Kolhl＊ | II | 80 | － | － 0 | 184 | 938 | ． | ． | － | － | $\because$ | $\cdots$ | ． | 184 | 888 | － |
| 80. | Kotho | II | 80 | ． | $\therefore 0$ | 805 | 410 | ．． | ．． | ．． | ．． | 12 | 16 | ． | 817 | ces | ．． |
| 87 | Korhale | II | 80 | －＊ | ． 80 | 205 | 1，886 | $\cdots$ | ．． | － | ． | 8 | 6 | ． | 908 | 1，892 | ＊ |
| 28 | Khamkhede ．． | II | 80 | ．． | 80 | 812 | 867 | ． | ． | ． | － | 2 | 8 | ． | 514 | 870 | － |
| 39. | Shamad | II | 30 | ． | 80 | $\mathbf{F}$ | 7 | ． | ．． | － | ． | ．． | ． | ．． | $\mathbf{Y}$ | F | ． |
| $40^{\circ}$ | Yhupkhede ．． | II | 20 | ．． | 80 | 208 | 624 | ．． | － | －＊ | ． | ． | ． | ． | 293 | 824 | － |
| 41. | Gondharikhede ．． | I | 50 | － | 80 | 491 | 618 | － | － | － | ． | － | －＊ | ． | 408 | ． 518 | － |
| 42 | Chodengeop ．． | II | 20 | ．． | 80 | 3，884 | 6，039 | ．． | ．． | ． | ．． | $\cdots$ | 7 | $\cdots$ | 8，883 | 0，046 | ．． |
| 43 | Changdev－．． | II | － 0 | － | 30 | 1，410 | 2，227 | ． | ．． | － | $\cdots$ | ． 16 | 25 | ＊ | 1，426 | 2，252 | － |
| 4 | Charthanam ．．． | I | － 0 | ． | 30 | 2，252 | \＄，080 | － | －• | － | ． | 4 | 0 | ． | 8，256 | 8，080 | － |
| 4 | Chinchinhede Khurd ． | II | 30 | －． | － 0 | 46 | ． 740 | － | － | ． | ．．${ }$ | 8 | 8 | ．． | 488 | 748 | － |
| 48 | Chinobibecte Budruk ． | I | 30 | － | 10 | 701 | 1，028 | ． | $\cdots$ | － | $\cdot$ |  | $\bullet$ | $\cdots$ | 705 | 1,082 | ＊＊ |
| 47 | JamM ．． | II | 0 | ． | d 0 | 274 | 209 | － | ． | － | － | ． | － | － | 274 | 200 | ＊ |
| 48 | Jondlulkhede | II | 0 | －＊ | 0 | 7 | r | －． | － | ． | ． | ． | ＊＊ | － | Y | $\underline{T}$ | －${ }^{\circ}$ |
| 40 | Talal | II | － 0 |  | 80 | F | F | ． | ．． | －＊ | ． | － |  |  | T | F | － |

L-contimsed.
on Government occupied land in Edlabad Pela.



I-conlinued.



## L-continuod.



Effect of Revision Settlement Proposale


## L-continued

on ocoupied land in alienated villages.


Summary of dry-crop rates in Bhusawal Talukea and. Edlabad Peta required in connection with the Second Revision Survey.


## APPENDIX M.

Popilation and area of Government unoccapied land in the Bhusaval taluke.

| Serial No. | Name of village. | - Population. |  | Unoccupied Government land. |  | Remario. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | At the beginning of the expiring settlement. | At the end of the expiring settlementh | 1. Arem |  |  |
|  |  |  |  | At the beginning of the expiring settlement | At the ead of the expiring sottioment. |  |
| 1 |  | 3 | 4 | 5 | . 6 | 7 |
|  | . Group-I. |  |  | A. g. | A, g. |  |
| 1 | Anjansonde | 298 | 337 |  |  |  |
| 2 | Amadgaon | 295 | 348 | 2520 |  |  |
| 3 | Achegaon | 830 | 835 | 02 | - 9 |  |
| 4 | Ojani | i4 | isu | $317 \quad 7$ |  |  |
| 8 | Kathore Khurd | 144 | 164 | 1740 | 2 12 |  |
| 6 | Kathore Budruk | ${ }^{150}$ | 188 | 30 | $15 \cdot 37$ |  |
| 7 | Kandari | 1,006 | 937 | 10910 | 2631 |  |
| 8 | Kanhale Khard | 208 | 227 | $\begin{array}{ll}50 & 27\end{array}$ | - 9 |  |
| 10 | Kanhale Budrat | 715 | 641 355 | 497 | 4713 |  |
| 11 | Kahulikhede . | 314 | 348 | $\begin{array}{rr}67 & 14 \\ 212 & 27\end{array}$ | 2212 |  |
| 12 | Kinhi | 931 | 1,050 | 3229 | 010 |  |
| 13 | Kirole | 51 | 31 | 14433 | 2218 |  |
| 14 | Kurhe hardo | 880 | 1,016 | 431 | 2237 |  |
| 15 | Kurhe P. Nashirabad | 2,308 | 2,887 | 55119 | 738 * |  |
| 16 | Kolhadi | 1,000. | 1,060 | 1336 | 1336 |  |
| 17 | Khadki | $\cdots$ | $\ldots$ | 536 | 636 ; |  |
| 18 | Khadke | 1,101 | 809 | $\cdots$ | ... |  |
| 19 | Khandale | 363 | 548 | $23 \quad 28$ | 218 |  |
| 20 | Kharag | . .... | $\therefore$ | $37 \quad 2$ | 372 |  |
| 21 | Khalkhede | .... | 6 | 38 31 | . |  |
| 22 | Khedi Khard | - | $\therefore$.. | 1. 15 | 115 |  |
| 23 | Khedi Budruk | 87 | 228 | 116 32 | 115. 21 |  |
| 24 | Kholpimpri | 085 |  | 41.16 |  |  |
| 25. | Gojore | 985 | 1,008 | 128 26 | 12826 |  |
| 20 | Gombhi | 111 | 132 | - 035 | 035 |  |
| 27 | Golegeon Khurd | 274 | 324 | * 818 | 238. |  |
| 28 | Golegron Budruk | 86 | 139 | $\cdots$ | $\ldots$ |  |
| 29 30 | Ghargeon | 58 | 0 | $\ddot{24}$ | $\because \ddot{\square}$ |  |
| 30 | Ghankhede | 546 | 498 | 2432 | 2432 |  |
| 31 32 | Chandichede | - .... | .... | 1010 | 1010 |  |
| 33 | Chikhli Budruk. | 426 | 472 | $\ddot{49}$ | 37 ib |  |
| 34 | Crikhli Sim | .. |  |  | .. .. |  |
| 36 | Chinchlchede Pr. Bodwad | 205 | 250 | 9 14 | $\cdots$ |  |
| 36 | Chinchkhede Sim | . 764 | 832 | 257 | 9 is |  |
| 37 | Chorkurhe | . |  | 15727 |  |  |
| 38 | Chorwad | 392 | 399 | 425 |  |  |
| 39 | Jalachakra Khurd | 311 | 267 | 8934 | 9934 |  |
| 40 | Jalachakra Budruk | 345 | 4027 | 2929 | 2929 |  |
| 41 | Jatgaon | 274 | 347 | 419 | 419 |  |
| 42 | Jamti | 71 | 845 | 030 | 030. |  |
| 43 | Jogalkhedo | 182 | 167 | 3821 | 252. |  |
| 44 | Jogalkhori | 138 | 85 | 153.8 | .- |  |
| 46 | Tahakali | 468 | 442 | 18.24 | i7 6 |  |
| 46 | Titvi |  | …" | 1025 | $\because \cdot$ |  |
| 47 | Talwel | 1,548 | 1,954 | 5 24. | 5 5 |  |
| 48 | Daryapur | 42 | 74 | $30 \cdot 0$ | 30.0 |  |
| 49 | Davande | 17 | 25 | 320 35310 | ig ${ }^{\text {a }}$ |  |
| 60 | Dhanori | 186 | 162 | 35316 | $1218^{15}$ |  |
| 51 | Dhandkhedo | 677 | 556 | 18631 | 16722 |  |
| 52 | Nadgson | 1,092 | 1,362 | 137 | - ${ }^{\text {- }}$ |  |
| 53 | Nandgaon | 496 | 615 | -i\% | i0 $\ddot{3}$ |  |
| 54 | Nimkhede | 405 | 840 | 3716 | 1836 |  |
| 85 | Nimbule ${ }^{\text {Nimbhore }}$ Khurd | 89 | 121. | $\because$ is | -. .. |  |
| 56 | Nimbhore Khurd | 89 89 | 121 90 | $\begin{array}{ll}0 & 13 \\ 4 & 16\end{array}$ | $\because 4$ |  |
| 68 | Nimbabiare Budrul | 43 | 50 |  |  |  |
| 59 | Palaskhede Budruk | 178 | 228 | 288 is | 127 is |  |
| 60 | Palaskhede Pr. Varangeon |  |  | 14619 |  |  |
| 81 | Panchdevli | 146 | 159 | 1692 | 6335 |  |
| 67 | Pimpri Sekam | . 449 | 646 | $17 \quad 17$ | 1238 |  |
| 63 | Pimpri Pr. Nashirabad | .... | $\cdots$ | 7320 | ${ }^{4} 16$ |  |
| ${ }_{64}$. | Pimpalgaon Khurd. | 658 | 685 | 172 | 120.20 |  |
| ${ }_{68}^{65}$ | Pimpalgaon Budruk | 639 | 889 | 23. 18 | 2235 |  |
| 68 | Farkande | -. | 1 | $\begin{array}{ll}76 & 38\end{array}$ | $\ddot{10} 9$ |  |
| 67 | Folgaon | 952 | 1,290 | 10330 | 10132 |  |
| 68 68 | Fekri | 540 | ${ }^{697}$ | 39 <br> 89 | $\begin{array}{ll}36 & 24 \\ 29 & 24\end{array}$ |  |
| 69 | Belvahal | 420 | 476 | 3929 | 2924 |  |



APPENDIX M.

- Population and area of Government unoccupied land, in the Peta Edlabad.


E. G. TAYLOR,

Assistant Settlement Officer, Bhusaval and Edlabad:

No. S.R.V.--3 of 1920.
From

G. MONTEATH, Esq., I.C.S., Collector, East Khandesh;

To
The SETTLEMENT COMMISSIONER and
DIRECTOR of LAND RECORDS, Poona.

Jalgaun, 2nd September 1920.
Sir,
I have the honour to forward, for transmission to Government through the Commissioner, Central Division, proposals for the revision of the current Revenue Settlements of the Bhusawal Taluka including Edlabad Petha and the Jantner Taluka.
2. I received Mr. Taylor's report some time ago, but concluded as the two talukas in question are contiguous to await Mr. Kelkar's report and submit both together.
3. I have read these proposals carefully and I do not know that there is very much for me to say about them. Mr. Kelkar leaves the present grouping undisturbed for Jamner while Mr. Taylor proposes a modification by which some 21 villages of the Edlabad Petha, included apparently under a misapprehension in the first group by the officer who did the current settlement, are transferred to the second group. I think he has shown very good cause for the proposed modification, as well as for the proposed removal of the anomaly of Bhusawal village being placed in a group by itself.
4. Both officers arrive at much the same conclusion in the main as regards -the degree of enhancement which the history of the past 30 years justifies-namely, about 25 per cent. for the greater part of the area. The village of Bhusawal is of necessity an exception, but for the Bhusawal Taluka generally Mr. Taylor and for Jamner Mr. Kelkar propose this rate of increase. For Edlabad the percentage of increase proposed is considerably less, and there is no doubt in my mind that this difference is fully justified. Edlabad is in a much inferior position to the Bhusawal Taluka in respect of markets and communications and in respect of rainfall and harvests the revenue history of the tract shows it to be less well off than the remainder of the area dealt with. My own observation points in the same direction.
5. The question is whether the percentages of increase proposed could justly be raised for all villages in due proportion-that is, the 25 percentage increases to 33 per cent., and proportionately for the rest: a cursory view of these records of prices of produces and of sales and leases of land might seem to justify further increase. Had the period of the current settlement terminated in 1914 or 1915, the question would have been easier to answerand the answer might well have been proved later to be wrong. The history of the last few years introduces complications. Prices of food-grain have risen in an abnormal degree, and are still abnormal though they have fallen somewhat in the past year. They may fall still further, but it is doubt ful if they will ever again approach pre-war level. If one argued simply from those one would recommend without hesitation the highest amount of enhancement that the law allows, and still think it too low. But it would not be safe to argue from the increase in prices of grain: For one thing, not much grain is exported, and not very much in fact sent to market. This district is as far as grain is concerned, largely an importing district, and it is rather cotton than grain that pays the Government and other dues.
6. The Khandeshi cultivator has owed his great prosperity of recent years ta the extraordinarily high rates commanded in the market by cotton. Can ond confidently expect these to continue-I do not say the rates of the last few years; but those of about half a current settlement period-of course with ups and downs; but maintaining generally a similar high average? It is difficult to say, and I submit it would not be safe to look for the return to the prices to which the last few years have accustomed the oultivator. Cotton has slumped badly in the year of report and at the present moment rates are little, if at all, higher than at the beginning of the current settlement., They may recover to some extent-very likely they will, but when I doubt whether any one can say. There is just now no demand for Khandesh cotton in Bombay, a state of things I am told which is quite likely to continue, for Khandesh cotton has earned rather a bad name for itself. The general result is that despite recent prosperity money is at the time of writing very tight in this district, a fact which is well illustrated in transactions of the co-operative bank and co-operative societies.
7. Another thing is that the prices of other commodities-clothes and other articles necessary to the cultivator-have risen no less abnormally than those of produce : and so has the cost of cultivation. Up to the time the most recent revision settlements were made wages of agricultural labour had apparently changed very little, but they were bound to respond eventually to the general change of conditions. The recent influenza epidemic hastened the result, so that the cultivator has now to pay for labour three times what he had to pay when Mr. Jolly, Mr. Abbott and Mr. Kelkar submitted their various reports, and in the harvesting season even more-in fact the labourer can at that time get pretty well whatever he asks for. This is a serious item in the cost of cultivation, and there are others, for instance prices and cost of upkeep of cattle.
8. I come to the selling and letting value of land. It is clear that there has been a very great increase in the prices at which fair and good land sells, but I am inclined to agree with Mr. Kelkar that the sale prices are not altogether a safe guide. There has been a growing amount of competition for the possession of land, and many of the prices paid scarcely represent good investment, and to that extent artificial. However, it may be said that the letting value of land affords a fairly safe indication of the pressure of assessment, and I think myself-as I gather you do from the concluding portion of your note on Land Revenue Settlement ( 5 our No. 654-S.S., dated 16th November 1915)-that this factor might well be taken as the principal if not the only basis for fixing assessment rates. Rents indicate a steady growth of prosperity, and if one can be reasonably sure that they will be maintained there need be little hesitation about making proposals for assessment. Can one be reasonably sure? I have referred to the great increase in cost of cultivation, and of the different things which the cultivator cannot do without. I would refer also, without trying to discuss it, to what you say in your note above quoted in regard to the relation of assessment to gross or nett produce. It seems to me that in the light of recent history much of what you say caninot now hold good, seeing that the basis of comparison with the conditions of 50 years ago has been so completely changed since the time at which you wrote. The vàlue of the rupee in relation to the pound sterling is just now much what it was in 1880, but there is no resemblance between its purchasing power in those days and in these, and there cannot be, while the purchasing power of the sovereign itself remains so greatly deteriorated. It would be useless to speculate on the probable future course of exchange or on what is likely to happen to the purchasing power of the rupee, but it is probably safe to say we shall not see a return to conditions approximating those of 50 , or 30 , or even 10 years ago.
9. II it not likely that these different factors will react on the rental value of land, whether or not the cultivator continues to put most of his land under cotton? It is possible that continuance of the present lack of demand may induce him to curtail the proportion of cotton in favour of grain, and that would be a good thing. There is some indication of it this year, but even assuming that the cultivator makes this change to some unpredictable extent, will not rental values of necessity be adversely affected by the sum total of the changes that have taken place and have been-I admit very inadequately-discussed in this report?
10. Finally comparison with rates recently sanctioned for other talukas in the district indicate-especially in the light of events apparently scarcely antici-
upon him is not the assessment but the gross amount which the landlord requires him to pay. The higher rents rise, and the more they seem to press upon the cultivator, through over population or unusual demand for land or from whatever cause, the more obvious it is that those rents represent unearned increment to the landlord which must be made to contribute substantially to the State share.)
7. Again the chief fear which seems to have led the Assistant Settlement Officers and the Collector to abstain from recommending the full 33 per cent. is that the price of cotton maynotbe maintained at a sufficiently high level. At present cotton is the great rent and revenue paying staple of these talukas, but there is not the alightest reason, except that hitherto the profit has been greater, why the whole land ahould not grow Jowari or some other crop. It certainly will do so immediately Jowari decomes more profitable. We have therefore not to fear the fall in colton only but a fall in all produce, and that can only take place, if money rises in value. The monetary condition of India makes it extremely unlikely that any such rise will occur at all rapidly. For some time there was in progress a reduction of the amount of currency notes in circulation. That process has lately stopped, and there are indications of even a further inflation of currency impending by the issue of more notes and in other directions which need not now be dwelt upon. Let it suffice that to the uadersigued there does not appear to be any strong reason for looking for a material fall in prices for good many years to come. No man however wise could possibly venture to predict what will happen within 30 years, and the most far seeing prediction which could be made, would almost certainly be falsified by events. We hope, though we cannot guarantee, that for 10 years or so there will be a tendency of prices gradually to come down, but there is no probable expectation that they will tumble down or get back anywhere to their pre-war level. If therefore cotton, for any special reasons, ceases to be profitable there will still remain all the other uses to which the agricultural land of Khandesh can be put, and it is very doubtful whether the fall in rental value will be at all marked.
8. We are being told on every band, whenever the pay of servants whether private or Government, the wages of labourers, the price of country produce of every sort; is discussed, that prices have risen all round and in every direction to nearly double what they were. Now if there is any shred of truth in this, and it is our every day experience that it is approximately true, then it is plain that if we double the assessments, we should only be keeping up the old demand to the old level at which it always stood, and should not be really asking for any increase or greater proportion of the gross produce in kind than has been always taken. The undersigned therefore does not hesitate at all, in view of the general range of prices and rental value and the outlook of the future; to recommend that anything less than the regulation maximum increase of 33 per cent. cannot be contemplated. Even that increase of 33 per cent. really means the grant of $a$ very substantial reduction in the intrinsic burden of the assessment. He does not therefore agree with the Collector or the Assistant Settlement Officers, but recommends that instead of raising the iassessment by 4 annas in the rupee as they recommend, it should be raised by 5 annas at the very least.
9. As to the grouping he is prepared to accept the proposal for reducing 21 villages in Edlabad, but he is not prepared to endorse the grading down of Bhusaval to the level of the surrounding villages. He cannot see why it is in the least "anomalous" for Bhusaval to be grouped by itself above the others. It is a big railway centre employing many hundreds, perhaps thousands, of railway men in all grades. Obviously it must constitute a good market at least for the land within the village itself, The only doubt one might feel is whether this increase in the class should not be extended to 2 or 3 of the surrounding villages. That the headquarter town in the taluka should be classed by itself is quite common and can be exemplified everywhere from Northern Gujarat down to the Karnatic. More usually the headquarter town and two or three of the villages surrounding it which enjoy the great advantage of proximity to a rapid and easy market from the highest group, and in this case the fact that Bhusaval stands alone much rather indicates under-assessment of the surrounding villages than any over-assessment of Bhusaval.
10. The problem for Government to decide, is whether to take this certainly low increase of 25 per cent. or the higher rate nearer to 33 per cent. Under the system of survey and settlement guarantee a rate once fixed cannot be raised, but
history contains frequent instances of its having been reduced when the lapse of time and experience shows it to be excessive. The undersigned has already given as his opinion that no man can possibly foretell what the next 30 years will produce in the matter of prices, rents, and economic conditions. We are advancing along A path of which we see a few steps only and those but dimly, and beyond that all is totally veiled. That being the condition, what is the wise course to take? Should we tie our hands down now to an admittedly low ant almost obviously inadequate rate which we cannot raise, on shall we choose the higher rate for which there is ample justification, and which, if our prognostications prove incorrect, we can easily lower, even 5, 7, or 10 years hence, or any other time before the expiry of the 30 years as soon as it can be shown that the statistics upon which we now rely have been overthrown by new conditions. If we choose the lower rate we have got to carry on our administration upon prices and wages which have certainly doubled, and for which we shall get no 30 years' guarantee of permanency. They may go up to 3 or four times what they now are. On the other hand, they may come down, but they will only come down if all other prices of produce decline, and if the conditions in which a lowering of the assessment will be justified emerge. As between the high level and the low level, there can be no question that the wise course to take now is to choose the high level, knowing that we have the means of remedy if it proves too high, rather than the low level for which there is no remedy except what would be very much like a breach of faith with the people. The whole of this dilemma is a very serious argument against the 30 years' settlement which everyone can see and has long been urging is an unduly long period in these days of violently oscillating prices and exchanges, and even of complete collapses of monetary systems.
11. Turning now to the two reports in detail the following comments over and above what has already been said are offered upon Mr. Taylor's BhusavalEdlabad report:-

Paragraph 27-It has been ascertained that the consumption of liquor in both taluka and Peta in $1900-01$ was, 25 U. P. 9,125 gallons and 60 U. P. 18,625 gallons. Although Mr. Taylor does not state whether his 61,079 gallons are proof or (most probably) a mixture of 25 and 60 U . P. still there has plainly been a large increase. Even so when we are dealing with a population which seems to be about 130,000 the consumption of a quarter of a gallon of proof spirit in a year does not indicate any conditions of intemperance. The last sentence of Mr. Taylor's paragraph 27 is very pertinent, and shows that these people are not living anywhere near the margin of subsistence.

Paragraph 34.-It has. been ascertained that the village Gombhi has been wrongly given for Dounde. Moreover these patasthal rates are just as much due for revision as all the other rates of the taluka. Mr. Taylor has been misled by R. 7049-08 which decided not to abolish the patasthal assessment in these two villages; but it is entirely a mistake to interpret those orders as though they were resettlements for 30 years from 1908. The question was should the assessment be struck off, and the decision was that it should not. Now the settlement period has expired and the rates require a fresh settlement and guarantee. There are only 5 acres concerned and the undersigned proposes that the rates should be raised approximately 33 per cent. to Rs. 14.

Paragraph 36.-Everybody knows that since the war broke out prices have been moving at quite a different rate from the pre-war movements. Ta take the combined average of the years before and the years since 1915 is indefensible. It would be better to take an average of the periods 1909-14 inclusive and 1915-20 inclusive, To suggest that land has been bought-since 1914 at "speculative'and inflated" prices is to beg the whole question before us. We have to determine whether the general public estimate of the value of land has risen or not. To assume that certain figures are speculative and unduly inflated, and exclude them, and thenwork out an average of other figures is very much as though we set out to measure the depth of a river and when we found that it was more than 3 ft . deep at some parts we rejected those measurements as " uncertain and inflated" and confined ourselves to measuring the shallows where we knew it would not exceed 2 ft . If anybody set to work to cross a ford upon such measurements he would deservedly be drowned. The wisdom of the exclusion of three quarters of the total entries is
very doubtful. The ignorance of the people ought not in any way to affect the correctness of entries which are actually made in the Record of Rights. Ignorant people sometimes abstain from giving information at all. But when the information is given it rather depends upon the intelligence of the village officers than that of the people as to whether the record is correct. The only conclusion possible is that Mr. Taylor has manipulated the figures in such a way that his resultant values are quite below the real averages which actually prevail.

Paragraph 37 --To take the average from 1909-19 all together is unjustifiable and affords no proper basis for the valuation of the land holdings for an assessment which will last 30 years. The conditions produced by the war, and which are going to operate for a good many years yet to come, had not commenced to operate until 6 or 7 years of this total period had passed away, and the resultant average consequently can have no relation whatever to the facts which we have to face.

Mr. Taylor hardly seems to have realised that if we take the price of land and the price of produce as they actually now stand in rupees, to this extent all questions of the rise or fall in the value of money are entirely eliminated. That question only comes in when we compare the number of rupees fixed for the future assessment with the number of rupees which were fixed 30 years ago for the expired settlement. Then we must remember that we are not comparing the same kimd of rupees but coins of a different value, and that unfortunately there does not seem any immediate prospect of the ratio between the two measures settling down.

Paragraph 40.-If as Mr. Taylor says the rent records are net rent after deducting the assessment payable by the land-lord, then that deduction is wrong. We want to know the gross rent so that we may know what proportion of it the rent constitutes. Mr. Taylor's figures should therefore be raised by 1, and the multiples of assessment are now $7 \cdot 99$ (say 8) and 7.12. The figures of 1891 cannot possibly be correct. They have been also shown to be wrong in the Jamner statistics. The obvious reason was that in 1891 and for many years after there existed no such machinery as the Record of Rights by which any kind of scrutiny could be applied to the price records. Mr. Taylor, in order to get what he thinks is a reasonable figure has had to exclude the remarkable and probably excessive proportion of 75 per cent. But in 1891 Mr . Turnbull probably accepted all the recorded figures and averaged them without having the means of scruting.

Paragraph 41.-Here undersigned cannot agree that we ought to expect any considerable difference. The classification of soils acts as a handicap and if it is correctly estinated all the horses ought to reach the winning post in a bunch : or in other words the proportion of the rent to assessment would be everywhere exactly the same if the classers hit upon exactly the right proportion. Mr. Taylor is surprised that the results come so close, and thinks they ought to be wider apart. On the contrary the closeness of the proportion is evidence of the general soundness of the handicapping. No man can be quite perfect, but those classers did very well when some sixty years ago they so classed the land that even today the horses are sufficiently bunched to be covered by a difference of only 87 of one multiple of the assessment.

Paragraph 45.-We may roughly say that wages have been doubled. But prices have been more than doubled for leading products of the taluka. The net result is that the profits in spite of the increased wages are higher tban ever. Another important pnint is this: these wages are not earned by people outside the daluka but very largely by small cultivators and small land-holders in the taluka itself. There are very many holders whose land does not occupy them even half the year, and there are cthers whose crops do not come to harvest at the same time $\bar{a}$ as those of their neighbours. Quite a substantial portion of the total wages is paid to these land-holders in the talulka and the members of their families. It is therefore very doubtful whether the high rate of agricultural wages is really a bear point in fixing the assessment.

Paragraph 55.-In 30 years the fact that there have been three years of scarcity is negligible. The settlements which have been made during the last few years were not sufficiently influenced by the great changes produced by the war, and we are in no way bound by them. The Raver settlement was hamstrung by the operation of the 33 per cent. rule. What was Raver's good luck ought not to deter us from imposing a proper rate upon Bhusaval at least to the extent which the
same limitation will allow. With land values going up to five times what they were, and prices more than doubled, and rental values which cannot for any part of the taluka be put at less than seven times the assessment (whereas the standard assessment is half the rental) any suggestion of increasing the rates by less than the limitof $33 \frac{1}{3}$ per cent. should be entirely rejected. If there were no such limits and we had to discuss whether the increase should be 75 or 80 or 120 per cent. or what not we might then have to think it over cautiously and scrutinise details closely and there might be room for difference of opinion, but that we should take less: than 33 per cent, is a view to which the undersigned cannot subscribe. In the last sentence but one of paragraphs 55 surely Mr. Taylor means during the next 30 years.

Paragraph 58.-This is the first we had heard of the rate of Rs. 3-12 for Bhusaval village. This village obviously enjoys unique advantages, being at the junction of three lines of railway where there is a large industrial and mechanical population and a large market for all kinds of produce. There is not any justification for letting off any of these groups with less than 33 per cent. increase. Bhusaval village should be rated at Rs. 5. Group I should be rated at Rs. 4-4 simply to avoid the awkward fraction of Rs. 4-5-4, and Group II should be rated at Re. 4.

Appendix $H$ : has been wholly recast. In the first place the averages were taken pre-war and post-war all in lump which entirely obscured the recent movements. They have now been taken separately for years up to 1914 and from 1915 onwards. Then again the average was originally calculated by an entirely wrong method. To get the average of 14 entries we cannot simply add up the total of those entries and divide it by 14. However the whole of the appendices $G$ and $H$ have been rearranged and recalculated correctly.

Paragraph 53.-Mr. Taylor gives five reasons for increase but they are exceedingly indefinite and would justify any sort of increase from 1 per cent. to 1,000 per cent. In paragraph 54 he shows why Group I ought justly to have a rather larger increase than Group II, but if both the groups are equally held up by the 33 per cent. rule we cannot give effect to this desire. His arguments for giving less than 33 per cent. seem very unconvincing. They amount only to this, that there have been three years of scarcity out of the last 30 years which is an exceedingly low proportion and proclaims that the tract is highly favoured. Again he says that the increase ought to be in harmony with the increases in the adjacent talukas: though this might be desirable under the usual rules of the game, a just and equal assessment is already barred, and if we introduce yet another rule that each taluka must keep in step with the surrounding talukas, even though they may have been revised upon considerations of pre-war facts, we introduce still greater absurdity. Raver was raised the limit and there is no reason why Bhasaval should not also be raised to the same limit. If there is inequality in this treq\$ment then it was created in 1891, not now. The only reason for removing it would be that one or other taluka showed some symptoms of being over-assessed. On the contrary both of them are very badly under-assessed to the detriment of the tax-payers of the rest of the Presidency.
12. This is the first settlement which Mr. Gavan Taylor has done. It is indeed rather a new departure for Assistant Collectors of short service to do settlements at all. He has taken great pains and has presented us with considerable. material. That the undersigned is not altogether able to agree with him is no condemnation of his work. Quite possibly Government may decide to accept. his recommendations. For a first effort it is a very creditable report.
13. In the Jamner Settlement Report by Mr. M. C. Kelkar the points deserving some comment are these:-

Paragraph 2.-Measurement and classification were carcied out in Neri in 190809 and in Moykheda in 1910-11. There is consequently no necessity of revising the survey and classification (see R. 2653-17) at present. Consequently the inclusion of these two villages in the settlement report is correct.

Paragraph 10.-Unless details, or at least the numbers, of some of the gurvey numbers are given we cannot check this; but the undersigned very much doubts if Mr. Kelkar knows enough about classing to be able to affirm this. It is all mere assertion unless he gives the survey numbers. It is quite natural that richer-
soil gives increased yield rather in disproportion to the increase of classification value. But if the Assistant Settlement Officer thinks that the poorer lands are bearing too much of the burden then it is certainly not beyond his province to suggest improvement.

Paragraph 11.-The general belief that during the last 25 yeans rain-fall is not as it used to be is endorsed by Mr. Kelkar. Yet for the 30 years the rain-fall is 2 inches behind the average of the 10 years 1881-1890 which contained no marked years of scarcity, as the 30 years did. The number of people old enough and trust-worthy enough to compare their recollection of rain-fall before 1880 is negligible. There has been an enormous increase in the number of pukka. wells which has put the tract very appreciably in a better position to meet fluctuating rain-fall.

Paragraph 16.-We all know that there are many people who will not plough and sow, when they can see a sufficient livelihood without exerting, themselves: this is the first case the undersigned has yet come across in which people are credibly reported not even to take the trouble to pick their crop-especially such a valuable crop as cotton-when ripe. Concessions of light assessment to such people with the idea that it may leave a margin, which will in the words of the older economists, "fructify in the pockets of the people" would seem illusory.

Paragraph 22.-Mr. Kelkar ought to be aware of the fact that from 1916 onwards there has been quite a different method of recording fallows; that is to say, if the village staff have obeyed the Revenue Account Manual instructions. Fallows do not include lands specially kept^for grass, and the exclusion of this item has probably accounted for the decline of 60 per cent. in the previously alleged fallows.

Paragraph 24.-Has Mr. Kelkar got this from D. F. V, Holdings Return ? It seems not. Unless the lands of the different villages have been added together (when held by one man) the statement is untrustworthy. We cannot regard a holding up to 15 acres as uneconomic. Moreover he has worked out the percentage of uneconomic holdings upon the number of persons or holdings, and not the number of acres. Only 18.2 per cent. of the total land is comprised in holdings less than 15 acres, and probably not even 10 per cent. is comprised in holdings which ought to be-called uneconomic.

Paragraph 26.-At the last settlement there was no Record of Rights, nothing but the survey numbers. In 1919 we have a full Record of Rights giving all the hissas, and to compare the greater figures of 1919, and call that" increase in the number of sub-divisions" is a grave misinterpretation : hence paragraph 27 collapses.

Paragraph 27 .-It is difficult to feel much sympathy with the supposed sufferings of people who are idle for "at least half the year.", and yet.will neither go to work elsewhere, nor even work in their own fields, where we have been told they leave weeds to grow until they overwhelm the land, and half the wells are not put in their full use, and even cotton when ripe is left unpicked.

Paragraph 30.-So far as marketing produce goes, the smooth roads dear to the townsman are not important. The bullock cart is by many supposed to have been the ancient means of conveyance in pre-historic India. As a matter of fact it was not. The bullock cart (with tired and spoked wheels) as now used, was introduced into the Deccan by British officers, and it is an imported product, not swadeshi. But it was designed and is so constructed as to negotiate the roads of Khandesh without difficulty, and so long as the tract is practicable for a bullock cart, a little distance more or less makes very small difference.

Paragraph 37.-Who says that the normal increase in the population ought to be 1 per cent. per annum? Plainlyif it were then by this time there would not be standing room on the whole world for human beings ; but we should have completely wrought our own destruction. The human race is probably very lucky when the normal rate of increase is anything at all, but if the normal rate were 1 per cent. per annum the consequences would in time be suicidal. There is however no doubt that in Khandesh, had Plague and Influenza not appeared, the population would have increased a great deal more. As the Land Revenue had nothing to do with either the Plague or the Influenza, the inference is that such failure to increase as is noticed cannot be laid to the blame of excessive pressure of Land Revenue or economic inability to support the burden of life.

Paragraph 38.-Taking the prices given in Appendix I, and making a rough computation of the value of this cotton ginned, at 120 seers per palla, we find that (though these figures do not include the output of one ginning factory) the value of the cotton exported was at least 4 lakhs, in the worst of all the years (1914) while in 1918-19 it was 10 lakhs : against the gross Land Revenue of 1 lakh 80 thousands !

Paragraph 39.-I think it is highly questionable whether high prices of food grains can be attributed to Government control. There is very substantial evidence to prove that if it had not been for this control the prices would have gone very much higher.

Paragraph 45.--The more area goes under cotton the more the people have to purchase outside grazing, and the more money they have the more valuable cattle and dairy produce become; the higher the income of the Forest grazing will naturally rise. It is a very sure evidence of local prosperity. People who have no money cannot purchase grazing rights.

Paragraph 58.-The figures given would be considered good in any other district. If there are about 2,000 persons in the taluka who are addicted to drink it is not at all serious. All money spent upon alcohol may perhaps be deplored, but it is also indubitable that it will not be spent unless it is there in their pockets.

Paragraph 60.-The gross crop value is entirely unsound as the basis of land revenue settlement. We are not assessing a percentage of the gross output. We are not taking anything of the profits of cultivation. What we take is a percentage not exceeding half of the rental value. Now this rental value if it were not taken by Government would remain as an unearned increment in the pockets of the people who had not done anything whatever to earn it. The profits of cultivation are earned and fully deserved by the cultivator, but the rent is a surplus above the normal profits of cultivation. There is a great danger of forgetting that when a cultivator is himself the owner of his own land, and pays no rent he has two very distinct capacities; that of a cultivator in which he earns the inalienable profits of cultivation, and that of land-lord in which he retains in his own pockets rent which he has not earned. To whom is this rent of land rightly due in strict economic theory? To the community at large. There are many people who regard the private ownership of land, even the private ownership of the rent of land he tills, by the cultivator himself, as unwarranted robbery of the public. Without discussing that point, we may say that at any rate in India Government claim for the public one-half of the rent. This has nothing to do with the gross produce, and can in no way be calculated therefrom. Surely it is obvious that the gross produce of a sugar-cane field may be worth a very great amount, yet it costs a great deal to produce and the net rental value of the land is quitea small fraction of the gross value of the crop and is indeed the same whatever crop be grown. Crop experiments, sales of standing crop for cash, and "private reliable accounts" are all utterly illusory bases for the land revenue assessment upon rental value. The only true base is the proved sale and lease rates for the land.

Paragraph 62-Even if the gross yield were a sound basis it would be quite inadmissible to go back to the pre-war average price for its valuation.

Paragraph 64.-Item (1), (4) and (5) are exactly the same thing. Why are the heads unnecessarily multiplied? If land is bought too dearly then the certain and inevitable effect is a slump or a collapse in values just as would occur if silver or kerosine oil were overbought at prices above its market value. But nothing of the sort has occurred in Khandesb. Probably the Khandeshi kunbi really knows the value of his land better than Mr. Kelkar. Mr. Kelkar's own facts show us clearly that land has not gone into the possession of non-agriculturists but is held by actual cultivators to an even greater extent than in most other districts. The idea that land was being over-valued and bought at impossible prices in Khandesh was current even before the war. It was said that the prices paid were "ridiculous". But now the laugh is against those who laughed then. The man who bought land in Khandesh in 1910-11, at the price which was then regarded as ridiculous and impossible, would to-day be a rich man. It is always rash, especially in these days, to regard any price as unnatural or inflated. To-morrow may proye it to be a very prudent price.

[^1]Paragraph 56.-The statement that inam lands are "always badly cultivated" deserves particular emphasis. Compare this with what has been said on paragraph 27. It constitutes another strong argument against reducing the State demand. When this demand is reduced by means of an inam grant then the cultivator does not benefit by it in order to become rapidly richer, but he usually (Mr. Kelkar.says ' always') badly cultivates the land and neglects it and thus injures the whole community.

At the time of the last settlement, as has already been pointed out, there was no Record of Rights, and Mr. Turnbull could not possibly have got such analysed and criticised figures as we now present. It is quite certain that the increase in rent is far greater than the figures represent. Mr. Kelkar should have called our attention to the fact that prior to 1910 we had no satisfactory machinery for recording the rents and it is not possible to scrutinise effectively such entries as were made 10 or 15 years ago. The figures for 1916-19 are much more certain and trustworthy. The error, however, it should be pointed out, is almost certainly in the direction of making the rents in the early years higher than we should now admit them to be; that is to say, that when we find rents have increased from 55 to 65 per cent. the truth is that they have increased substantially more. In days before 1891 no Assistant Settlement Officer really sifted the facts of the rents but they went astray after crop experiments and idle computations of net profits instead of taking the people's own estimate of the rent the land was capable of paying, which is afforded by the sale and lease statistics.

Paragraph 68.-But the person we are taxing is not the gentleman who pays these inflated rents, which are not imposed by Government as assessment but which are arrived at by bargaining amongst the people who know. If we were putting more taxation upon the payer of such rents he would probably deserve all the sympathy that is lavished upon him. But Mr. Kelkar should remind himself that the person who receives these rents pays the land revenue and not the cultivator who paye the rent.

Paragraph 72.-We have some increase in population, and quite a small increase in the amount of land under cultivation. How then can labor upon the land be any more scarce than it was before? The answer is that it is nathematically impossible, except upon the supposition that a much larger proportion of the people are now too rich and too idle to work.

Paragraph 75.-What we want are more facts and precise figures. There is a lot of rhetoric about " different conditions" and "peculiar circumetances" but no attempt to exhibit to us what these conditions and circumstances are.

Paragraph 78.-A reduction in the settlement period is against the "popular" (that is the land-lord's) interest only if it be assumed that at the close of the shorter period a further increase will be certain.

In the end the main point of his report is the proposed increase. Mr. Kelkar shows us plainly that land has increased in value by about 300 per cent. and the rents have increased 65 per cent. (and that increase is greatly under-estimated on account of the uncertain figures of 30 years ago). Yet he thinks that 25 per cent. is all the increase he can propose. Now what are the reasons? We may take it that if the State is to take hall the rental value and the normal rate of interest is 5 per cent., then if land sells for 20 times the assessment it is fully assessed. Any increase in sale valuê above 20 times means that the assessment could be increased until the sale value is brought back to 20 times withopt exceeaing the standard limit in rents. If the rent is twice the assessment, the assessment is pitched at the full standard. (No consideration of rates of interest comes in heie.) If the rent is more than twice the assessment the State ought to levy more in order to bring the multiple down. Here in Khandesh we have land letting for more than four times the assessment and selling for vastly more than 40 times the assessment (how much more than 40 times does not reaily matter). We could even double the assessment and not exceed the limit. Rents are more than 6 times the assessment, and yet Mr. Kelkar "cannot" increase the assessment by more than 25 per cent. The reasons that he gives are:-
(1) There has been an abnormal decrease in the suppiy of labor and an incricase of wages.
(2) There has been a check in the normal increase of population which he assumes should be 1 per cent. per annum.
(3) The recent fall during 1920 in cotton prices creates uncertainty as to their future course.

On these grounds he wants to postpone the revision altogether and continue the present abnormally light assessment for an indefinite period. He gives some good reasons for a short term settlement; but finally considering all the conditions and the large increase made in 129 villages 30 years ago he proposes a total increase of 25 per cent., which will still be about $\frac{5}{8}$ th of the total rent instead of one-half. He then compares it with Bhusaval which he has learnt another officer has proposed to assess at Rs. 4-1 ; and he says that in proposing Rs. 3-12 for Jamner he has gone" as far as possible" towards assimilating Jamner to Bhusaval. Now in fact we are restricted to an increase of $33 \frac{1}{3}$ per cent. at one revison. Therefore the only question before us is whether we can increase $33 \frac{1}{3}$ per cent. or whether it is too much. From the figures of land value and rent and all the other facts in this report it is abundantly proved with a wealth of conviction which could hardly be surpassed that an increase of $33 \frac{1}{3}$ per cent. will not even approach the proper assessment for the taluka. Consequently the rates should certainly be fixed at Rs. 4-4 and Rs. 4. This goes a good deal further towards assimilating Jamner to Bhusaval. The Settlement Commissioner does not propose Rs. 4-5-4, because of the inconvenient fraction, but if we take anything less than this we are giving Jamner an inam or exemption from its fair share of revenue which must inevitably be counterbalanced by the levy of more revenue from other people under other forms of taxation which are not so justifiable as the land revenue.
14. Before sending Mr. Kelkar's report to the press it was necessary to go over and remove a number of mistakes in spelling and syntax and composition. It is a lengthy report over which much trouble has no doubt been taken but the Settlement Commissioner is unable to agree with the views expressed in it, a great deal less even than he agrees with Mr. Taylor's report. He does not think Mr. Kelkar has quite grasped the economic principles of land settlement and so has been led aside into arguments and details which could have been dispensed with.

F. G: H. ANDERSON,<br>Settlement Commissioner and Director of Land Records:

## Below Settlement Commissioner and Director of Land Records' No. S.T.-247 of Sth January 1921.



Poona, 7th June 1921.

## Submitted to Government.

2. The reports have been very fully reviewed and analysed by Mr. Anderson with whose views and arguments the Commissioner entirely agrees.
3. The two officers deputed for the revision of these settlements deserve credit for their thoughtful and laborious reports but they have fallen into many errors, both of detail and of principle. For success in such work there are required not only a thorough grasp of the economic principles of land settlement but also some skill and experience in handling and marshalling statistics and in drawing from them correct inferences and conclusions.

Mr. Anderson has pointed out some of the worst mistakes and fallacies. The mistake of comparing assessments with net rents instead of gross rents is one which even an amateur should have avoided (vide paragraph 40 of the Bhusaval report). The Commissioner agrees with Mr. Anderson that the precedent set in the settlement of the adjacent talukas of Raver and Yawal must be followed in the case of these talukas also and that any increase short of the full 33 per cent. increase would be a totally unjustifiable sacrifice of revenue. The case is made even more convincing by what Mr. Anderson has reported about the neighbouring taluka of Jalgaon (vide his letter, attached herewith, No. S.T.-266 of 2nd May 1921). The Commissioner agrees with Mr. Anderson that it would not be anomalous to put a full 33 per cent. increment on the existing Bhusaval rates so as to make the new maximum Rs. 5.

The real anomaly and injustice would be to do what the settlement officer proposes, viz., to let this flourishing village off with a merely nominal increase while raising the assessments all round it.
4. For the reasons stated in paragraph 10 of Mr. Anderson's review the Commissioner recommends a thirty years' period for the settlement.

Mr. Anderson's proposals about patasthal in Bhusaval taluka are supportedparagraph 34 of his review.

The petitions of objections call for no remarks.
(Signed) F. G. PRȦTTT, Commissioner, C. D.

Revenue Survey and Assessment.

- East Khandesh.

Second Revision Settlement of the Bhusawal and Jamner talukas and Edlabad Petha.

GOVERNMENT of BOMBAY.

# Revenue Department. 

Resolution No. 1822.
Secretariat, Fort, Bombay.
Dated the 13th July 1921.
Memorandum from the Commissioner, C. D., No. L.N.D.-E.-2/4 dated 6th June 1921-Submitting, with his remarks, the papers mentioned below containing proposals for the revision settlements of the Bhusawal and Jamner talukas and the Edlabad petha of the
East Khandesh district.

## List of papers.

Letter from the Assistant Settlement Officer; Bhusawal taluka and Edlabad petha, No. S.R. dated 17th May 1920.

Letter from the Assistant Settlement Officer, Jamner taluka, No. R.S.- 33 dated 31st May 1920.

Letter from the Collector of East Khandesh No. S.R.V.-3 dated 2nd September 1920.
Memorandum from the Settlement Commissioner and Director of Land Records No. S.T.-247 dated 5th January 1921.

Resolution.-These are two settlement reports by two different officers; but the talukas are adjacent and similar and both officers make similar proposals, involving an increase of about 25 per cent. The Settlement Commissioner and the Commissioner propose an increase of 33 per cent.
2. There are two ways in which the correctness of settlement proposals can be tested. One is to assume that the existing settlement was correct for the conditions prevailing when it was made and to see what the rise in prices of produce has been. In the present case it can be seen from the graphs that, even if figures after the year 1913 are neglected, the rise has been so great that 33 per cent. does not approach it.
3. Another way is to ascertain the rent and compare it with the assessment. The remarks of the Settlement Commissioner about the futility of estimating the produce are not universally correct, because in many districts rents are generally shares of the produce and cannot be estimated in any other way. Butit is correct in this case, because these talukas are cash-rent talukas. In both talukas the average rent is about six times the assessment ; so that Government is taking only one-sixth of the rent, and if the rates are raised by 33 per cent. the proportion will still be very low.
4. Government therefore fully approve of the proposals made by the Settlement Commissioner and the Commissioner, C. D., ād are pleased to sanction the following rates :-


Bhusawal village should be rated at Rs. 5. The assessment on patasthal land should be fixed at Rs. 14 per acre. All the 25 inam villages of the Jamner taluka except one (Wadali) should be classed with Group I, and Wadali with Group .II, and they should be rated accordingly.
5. The revised rates should be introduced in the current revenue year 192021, levied with effect from 1921-22 and guaranteed for a period of thirty years.
6. The petitions of objections do not disclose any grounds for a modification of the orders now passed.

By order of the Governor in Council,

SHAMRAO D. MANKAR, Under Secretary to Government.

G. R. No. 1822, R. D., dated the 13th July 1921.

To

The Commissioner, C. D.,
The Collector of East Khandesh (with the petitions of objections),
The Settlement Commissioner and Direc. tor of Land Records,
The Director of Agriculture,

The Accountant General, The Public Works Department, The Financial Department, The Political Department, The Government of India (by letter).

Revenue Survey and Assessment.
East Khandesh.
Second Revision Settlement of the Bhusawal and Jamner talukas and Edlabad Petha.

## GOVERNMENT of BOMBAY.

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#### Abstract

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The Collector of East Khandesh (with the petitions of objections),
The Settlement Commissioner and Direc:tor of Land Records,
The Director of Agriculture,

The Accountant General, The Public Works Department, The Financial Department, The Political Department, The Government of India (by letter).

REVISED APPENDIX L.


DIX L
land in Bhasaval Taluka of the East Khandesh District.


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I-continued.


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APPENDIX


I-continued.


APPENDIX


Li-cominnued.

V. B. MARDHERAR,

Superintendent, Land Records, C. D.




Index to the correspondence relating to the second Revision Settlement report of the eight villages of Bhadgaon Peta transferred to Parola Taluka of the East Khandesh District.


No. 417 of 1922.

From

J. H. GARRETT, Esquire, I.C.S., Settlement Officer, Sholapur and Khandesh;

To
The COLlector,
East Khandesh.
[Subject:-Second Revision Settlement of villages transferred from Bbadgaon Petha to Parola Taluka.]

Sholapur, 21st August 1922.
Sir,
I have the honour to make proposals for the Second Revision Settlement
 Bhadgaon Petha and were settled along: with the other villages of the Petha. They were transferred to the Parola Taluka in accordance with Government Order No. 12576, dated 16th December 1914. The Second Revision Settlement of Parola Taluka was carried out in 1918 but these villages could not be dealt with at that time as the guarantee had not expired.
3. The authority for the existing settlement is as follows :-

| No. of villages. | Settlement. | Authority. | Where printed. |
| :---: | :---: | :---: | :---: |
| 7 | First Revision... | Government Resolution No. 102R.D., dated 2nd January 1893. | Selection No. CCI, ${ }^{\text {XVI }}$. |
| 1 | Original ... | Commissioner, Central Division's No. C.-312, dated 22nd March 1915. | Not printed. |

Position and Physical features.
4. The villages are situated in what was once the extreme north-west corner of the Bhadgaon Petha and is now the south-west corner of the Parola Taluka. Geographically the present administrative boundary is correct. The dividing line between these villages and Bhadgaon'Petha is marked by hills and the drainage flows on one side into the Girna and on the other into the Bori.

The whole tract is higher than any other part of the Parola Taluka or Bhadgaon Petha. It is hilly throughout. The highest point is 1,210 feet above sea level, falling to about 850 feet below Kalmad.

A considerable part of the area is classed as reserved forest. But tree growth is very scanty. Owing to the rocky nature of this forest area it grows nothing much except scrub jungle and inferior grass.

Climate and Rainfall.
5. No local figures of rainfall are available but there is no reason to suppose that the rainfall differs materially from that of the adjoining talukas.

Ca $10-1$

Crops and cultivation.
6. The details of crops are given in Appendix B. The principal orops are cotton, bajri and jowari as in the surrounding talukas. Cotton and bajri are grown in nearly equal quantities. Jowari is much less grown.

## Communications.

7. There are no made roads. Communication for carts is difficult except towards Parola. In this direction the cart traoks are moderately easy from Ratale and the Kalmads. Shivre is within 2 miles of the metalled road from Bhadgaon to Parola but the tracks leading to this road are very rough,

The nearest railway station is Shirud ( 9 miles from Kalmad) on the Dhulia Branoh. But for goods Kajgaon on the Great Indian Peninsula main line though twice as far is more convenient as there is a good market there.

The tract is undoubtedly worse off than any other part either of Parola or Bhadgaon in respect of communieations and access to markets.

## Markets.

8. There are large markets at Parola and Bhadgaon. These are each about 11 miles distant from the tract. There is a small market for local supplies at Tamasvadi, the next village to Kalmad.

Population.
9. Appendix M gives details of the population by villages. The totals are as follows:-

| No. of villages. | 1891. | 1901. | 1911. | 1921. |
| :---: | :--- | :--- | :--- | :--- |
| 8 | 1,664 | 1,758 | 2,185 | 2,329 |

Although 4 of the villages are uninhabited and wholly or partly included in forest there had been a steady and marked increase in population during the lease.

## Sale price of land.

10. As will be seen from Appendix $G$ the average sale price of dry crop land is 101.94 multiples of the assessment. This is rather higher than the sale price in Bhadgaon ( 88.85 multiples) or Parola ( 88.90 multiples.)

The village Shivre has a maximum rate of Rs. 2-12-0 as against Rs. 8-3-0 in the other villages. The average sale price here is 105.38 multiples of the assessment.

## Leases.

11. The figures of leases are rather scanty but show the remarkable figure of 13.61 multiples of the assessment as letting value. In Shivre the multiple is 5.85 .

## Revenue History.

12. The land revenue is collected without difficulty. The area of waste land has been brought to the irreducible minimum.

## Proposal as to Grouping and Rating.

13. It is unnecessary to repeat here my general discussion of the question of rates. A reference may be made to my report on the Second Revision Settlement of the Pachora Taluka.

All I need say here is that the indications of populatian, sales, leases and revenue history show that this tract is prosperous and lightly assessed.

Had these villages still formed part of the Bhadgaon Petha I should have had no hesitation in recommending the full admissible increase. In fact any other course will deprive the public revenues of a legitimate increment.

There is however a serious objection to this course. I have shown that this tract is in the extreme corner of the Parola Taluka and that it is the least favourably situated part of the Taluka in respect of communications and
markets. In respect of rainfall and climate there is no reason to believe that it has any advantage over the rest of the Taluka. -

In the Second Revision of the Parola Taluka sanctioned in 1919, the maximum rate for Parola Taluka is Rs. 3-3-0. This is the existing rate in the villages now under report. If therefore the present rate is increased, there will result the anomaly of the least favourably situated villages of the taluka bearing the highest rate of assessment. It may well be that the assessment of Parola Taluka is unduly light. But it appears undesirable to override the principle of equality in taxation. It will be better to forego the few hundred rupees of additional revenue.

I accordingly recommend that the maximum rate of the Government villages should remain unchanged at Rs. 3-3-0.

## Inam village.

14. The original Survey and Settlement of the Inam village of Shivre was sanctioned in 1915 under a maximum rate of Rs. 2-12-0. The introduction of this rate resulted in an increase of 83.4 per cent. over the mamul collections. But as Mr. Brayne showed, this inorease was due to the extremely negligent management of the village. Much revenue had been needlessly sacrificed through negleot to levy, assessment on land newly taken up. The village of Shivre is rather better situated than the other villages now under report. There is no objection to raising the maximum rate to that of the adjoining Parola villages, viz., Rs. 3-3-0. This amounts to an increase of 15.90 per cent.

## Guarantee.

15. I recommend that the rates as finally sanctioned should be guaranteed for a period expiring with that of the other villages of Parola Taluka.

> I have the honour to be, Sir,
> Your most obedient servant,

## J. H. GARRETT,

Settlement Officer, Sholapur and Khandesh.

Details of Cultivation and Crops in the Villages transferred to Parola Taluke

B.
of the East Khandesh Collectorate for the years from 1916-17 to 1920-21.


## APPENDIX G.

Selling value of dry crop lands in the villages transferred to Parola Taluka.


APPENDIX G-1.
Selling value of bagait lands in the villages transferred to Parola Taluka.

J. H. GARRETT,

Settlement Officer, Sholapur and Khandesh.

## APPENDIX $H$.

Leases of dry crop lands in the villages transferred to Parola Taluka.


Leases of bagait lands in the villages transferred to Parola Taluka.

J. H. GARRETTT,

Settlement Officer, Sholapur and Khandesh.

Effect of Revision Settlement Proposali

L.
on Governnent occupied land.


Settlement Officer, Sholapur and Khandesh.

Summary for dry crop rates refarding the effect of Revision Settleinent proposals on Government occupied land in Parola Taluka, District East Khandesh.

| Yroposed group. | Number of villages (in batches according to the: existing grouping), | Current dry crop rate of each batch. | Proposed dry crop rate for group of each batch. | Inorease per cent. | Iocrease per rupee (to nemrest quarter anna). |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 |
|  |  | Re. an. p. | Re. B. p. |  | Res. a. p. |
| 1 | 7 | $\begin{array}{llll}3 & 3 & 0\end{array}$ | 3 3 0 | Nil. | Nil. |
| 1 | $\stackrel{1}{\text { Inam village. }}$ | 2120 | 830 | 15.90 | 027 |

## J. H. GARRETT,

Settlement Officer, Sholapur and Khandesh.
AIPPENDIX M.
Showing village, population and area of -unoccupied assessed multivable Government land in Parola Taluka, District East Khandesh.

J. H. GARRETT,

Settlement Officer, Sholapur and Khandesh.

$$
\text { No. S. R. V. - } 6 .
$$

From

J. A. SHILLIIDY, Esq., I.C.S., Collector of East Khandesh;

To
The SETTLEMENT COMMISSIONER and DIRECTOR of LAND RECORDS, Bombay, Poona.

Jalgaon, 13th November 1922.
Sir,
I have the honour to forward a report of Mr. J. H. Garrett, I.C.S., on the second revision settlement of the' 8 villages transferred from Bhadgaon petha to Parola taluka. It will be seen from paragraph 2 of the report that these villages were in the Bhadgaon petba and were settled with the other villages. They were however transferred to the Parola taluka in 1914. But in as much as the guaranteed period had not expired the settlement could not be revised with the rest of the Parola taluka in 1918.

2 Mr. Garrett's report shows the prosperous state of these villages. The average sale price of dry crop land is 101.94 multiples of the assessment, while in the inam village of Shivre it rises as high as 103.38 multiples of the assessment. The lease rate where available rises as high as $13 \cdot 61$ multiples of the assessment.
3. The rainfall is good, the popalation is increasing, the land revenue is collected without difficulty and as Mr. Garrett reports the area 'of the waste land has been brought to the irreduceable minimum. There is therefore very good ground for an increase of the assessment.
4. These villages however have been fransferred to the Parola taluka where the maximum rate of the current settlement is Rs. 3-3-0 an acre. But the existing rate in all the villages under consideration except Shivre is Rs. 3-3-0 and I entirely agree with Mr. Garrett that it is better to forego the very slight increase that would acrue to Government and to maintain the present rate when it happens to be in force throughout the rest of the taluka.
5. In the inam village the present maximum rate is Rs. 2-12-0. There is, every justification for an increase, and I support Mr. Garrett's proposal to. raise it to the maximum rate of the taluka and to an equality with the 7 other villages, i.e., Rs. 3-3-0 an acre or an increase of $13: 90$ per cent. The period of guarantee should expire with that of all other villages, in the taluka.
6. The settlement report of the Pachora taluka has already been submitted. in this office No. S. R.V.-6, dated 1st November 1922.

I have the honour to be,
Sir,
Your most obedient servant,

J. A. SHILLIDY, Collector of East Khandesh.

Below East Khandesh Collector's No. R.E.V.-6, dated 13th November 1922.
No. S. T.-305.
Poona, 13th January 1923.

Forwarded with compliments to the Commissioner, C. D.
2. Obviously these villages are badly under-assessed and the conclusion that we ought, because of their transfer to another jurisdiction, not to levy a pie more is proof conclusive of the absurdity of these grouping and assessing abracadabra.
3. I see no reasons why the villages should not be made into a group No. I in Parola taluka and a levy of 33 per cent. increase from Rs. 3-3-0 to Rs. 4-4-0 imposed. Even so the villages will be enjoying practical exemption from land revenue as compared with Karjat (Nagar) and Kaira District in Gujarat. It is most unjust that because certain fetish rules are drawn up in times past by men who could not foresee their inapplicability and their incongruous results, certain areas should now be overtaxed or taxed to the hilt and certain others exempted or taxed nominally. At least the undersigned will be no party to such a recommendation and would urge that there is no case for such treatment here as Mr. Garrett proposes. We are asked to throw away $\frac{1}{3}$ of the revenue of 7 villages for 30 years, because of a conventional practice of disregarding real values, and bundling up all the villages in the taluka into one group: and to do this when all sorts of argent public needs are starved and threatened for want of funds.
4. We are raising rates in Karjat (Nagar) on land which hardly sells for 10 times the assessment : here we are asked not to raise it on land that sells for over 100 times. If the rest of the talukg is badly underassessed, that is no argument for treating these villages in the same way, or letting them off the increase they would have automatically received, had they not been transferred, for their convenience, to another taluka.

F. ANDERSON,<br>Settlement Commissioner and Director of Land Records.

Below No. S.T.-305 of 13th January 1923 from the Settlement Cummissioner and Director of Land Records.

No. $\frac{\text { L.N.D. }}{E}$. $2 / 10$.
Poona, 26th February 1923.
Submitted to Government.in the Revenue Department.
2. I agree with the Settlement Commissioner, that these 8 prosperous villages should pay the full enhanoed assessment that is justified by the facts reported. The fact that they have been removed from one taluka to another is immaterial as far as their individual prosperity is concerned. They are still nearer to the G. I. P. main line than the other villages in the Parola Taluka. Accordingly $I$ recommend that they be made in a special group and assessed at Re. 4-4-0.
3. The period of guarantee must apparently expire with that of the other Parola villages.
(Sd.) G. W. HATCH, Commissioner, C. D.

Revision Settlement.
Second - of villages tranferred from Bhadgaon petha to Parola taluka of East Khandesh district.

GOVERNMENT of BOMBAY.
Revenue Départment.
Resolution No. 7476.
Bombay Castle, 12th June 1923.
Memorandum from the Commissioner, C. D., No. L. N. D./E-2/10 dated 26th February 1923-Submitting with his remarks, the papers specifed below * containing proposals for the second revision settlement of the eight villages transferred from the Bhadgan petha to the Parola taluka of the East Khandesh district.
${ }^{*}$ Letter from Mr. J. H. Garrett, I, C. S. Settlement Officer, Sholapur and Khandesh, No. 417 dated 21st August 1922.
Letter from the Colleotor of East Khandesh No. B. Ru V.-6 dated 18th November 1922.
Memorandum from the Settlement Oommissioner and Director of Land Recorda No. B. T. -905 dated 13th January 1929.
Resolution.-These papers contain proposals for the second revision settlement of seven Government villages and one inam village transferred from the Bhadgaon petha to the Parola taluka in 1914. These villages could not be resettled with the rest. of the Parola taluka in 1919 beoause their period of settlement had not then expired.
2. Government concur with the Settlement Commissioner and Director of Land Records and the Commissioner, C. D., that for the reasons stated by them, the maximam rates of these eight villages should be increased by 33 per cent. The rates of Rs. 4-4 for the seven Government villages and of Rs. 3-10-8 for the inam village of Shivre are sanctioned.
3. The revised rates should be introduced during the current year 1922-23, levied from 1923-24 and guaranteed so as to expire with the guarantee of the other villages of the Parola taluka sanctioned in Government Resolution No. 7962 dated 5th August 1919.

By order of the Governor in Council,

A. R. DALAL,<br>Deputy Secretary to Govermment.<br>The Accountant General, The Public Works-Department, The Finance Department, J. H. Garrett, Esquire, I. C. S., The Government of India (by letter).

To
The Commissioner, C. D.,
The Collector of East Khandesh,
The Settlement Commissioner and
Director of Land Records,
The Director of Agricultare,

REVISED APPENDIX L.
C. 10 -

## REVIS

Effect of Revision Settlement Proposals on Government occui

| $\begin{gathered} \text { 密 } \\ \text { 真 } \\ 1 \end{gathered}$ | Name of Village． | By former Settiement． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Maximum Rates． |  |  | Dry crop． |  |  | Rise． |  |  | ＇Garden． |  |  | Total． |  |
|  |  |  |  | 晏 <br> 5 |  | 䣽 |  |  |  |  | $\begin{aligned} & \text { 宏 } \\ & \frac{y_{0}^{4}}{4} \\ & 12 \end{aligned}$ | $\frac{\text { 曾 }}{18}$ |  | 莐 | －${ }_{\text {发 }}$ | 䓪 |
|  | Group 1. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Kalmad Bk． | 1 | 3－3 | ．．． | $\cdots$ | 983 | 1，360 | ．．． | ．．． | ．．． | $\cdots$ | M 27 | 51 | ．．． | 1，010 | 1，411 |
| 2 | Kolmad Kd． | 1 | 3－8 | ．．． | ．．． | 1，459 | 1，518 | $\ldots$ | $\ldots$ | $\cdots$ | $\cdots$ | ．．． | ．．． | ．．． | 1，459 | 1，518 |
| 3 | Ohikhali | 1 | 8－3 | ．．． | ．．． | 689 | 662 | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | 639 | 662 |
| 4 | Junne | 1 | $8-3$ | ．．． | ．．． | 599 | 582 | ．．． | ．．． | $\ldots$ | $\ldots$ | $\cdots$ | ．．． | ．．． | 599 | 522 |
| 5 | Ratale | 1 | s－3 | ．．． | ．．． | 967 | 711 | ．．． | ．．． | $\ldots$ | ．．． | M 1 | 1－4 | ．．． | 968 | 712 |
| 8 | Ranala | 1 | 8－3 | $\ldots$ | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | $\cdots$ | $\ldots$ | ．．． | ．．． | $\ldots$ | $\cdots$ |
| 7 | Bhatpuri | 1 | $3-8$ | ．．． | $\cdots$ | 224 | 187 | ．．． | ．．． | ．．． | $\ldots$ | $\cdots$ | $\ldots$ | ．．． | 224 | 287 |
|  | Total | $\cdots$ | ．．． | $\cdots$ | ．．． | 4，871 | 4，960 | 1－0－8 | $\ldots$ | $\cdots$ | $\cdots$ | 28 | 52－4 | 1－13－0 | 4，899 | b，012 |
|  | Inam village． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Shivare | 1 | 2－12 | ．．． | － | 765 | 712 | 0．14－10 | $\cdots$ | ．．． | ．．． | M 8 | 15－0 | 1－14－0 | 773 | 727 |

## APPENDIX L.

'ands in eight villages in Parola Taluka, District East Khandesh.

V. B. MARDHEKAR, Superintendent, Land Records, C. D.

Index to the Correspondence relating to the Second Revision Settlement of Chalisgaon Taluka of East Khandesh District.


C. H. BRISTOW, Esq., I.C.S., Settlement Officer, Satara and East Khandesh Districts;

THE COLLECTOR OF EAST KHANDESH DISTRICT, Jalgaon.
Subject.-Second Revision Settlement Report of Chalisgaon Taluka. Sir,

I have the honour to submit my proposals for the Second Revision Settlement of Chalisgaon Taluka.
2. Introductory.-There are in all 129 Government villages and 14 Inam villages in the taluks. The report deals with all except one village, viz., Gujardari which is included in Forest. Of the 14 Inam villages, the current settlement is first Revision in 5, viz., Tambole Budruk, Bangaon, Rokade, Hirapur and Mahalpur. In the remainder it is original. In 4 of these Inam villages there is Government land.
3. The history of the taluka up to 1896 is given in paragraph 2 of the First Revision Settlement Report, No. CCCL-New Series, Selections from the Records of the Bombay Government. In that Settlement 125 Government villages and Government land in 4 inam villages were included. There were also two Forest villages. Under G. R., R. D., No. 5059 dated 23rd May 1906 the village of Saygaon was transferred from Nandgaon Taluka of Nasik District, and under Notification No. 1025 printed on page 1971 of Part 1 of the Bombay Government Gazette of 30th

* August 1917, Kunjhar was transferred from Bhadgaon Peta. Further under G. R., R. D., No. 766 dated 21st January 1915 the village of Kharadi which had been settled in 1863 but had subsequently been merged in forest and so was not revised with the rest of the taluka, was disforested (Notification No. 9004 dated 30th September 1912) and the First Revision Settlement introduced.

The present taluka is thus made up as follows:-
Government villages 125 included in the First Revision Settlement Report.
1 Saygaon transferred from Nandgaon Taluka.
1 Kunjhar transferred from Bhadgaon Peta.
1 Kharadi disafforested.
128
1 Gujardari, a Forest village.
129
14 Inam villages.
143
4. The details of the original settlement are given in paragraph 3 of the First Revision Settlement Report. TheFirst Revision Settlement of the 129 Government villages of which the present report treats was carried out in the years and under the authority noted below :-

| No. of villages. | Former Taluka. | Year of Settlement. | Original or Revision. | Government Authority. |
| :---: | :---: | :---: | :---: | :---: |
| 125 | Chaliagann | 1895-96 | Firat Revision | G. R.,R. D., No. 3892 dated 15th May 1896. |
| 1 (Kharadi) | Chaliggaon | 1915-16 | Do. | G. R., R. D., No. 766 dated 21st January 1915. |
| 1 (Kunjhar) | Pachora | 1893-94 | Do. | G. R., R. D., No. 102 dated 5th January 1593. |
| 1 (Saygaon) | Nandgaon | $\begin{aligned} & 1895-96 \\ & \text { (for } 10 \text { years). } \end{aligned}$ | Do. | G. R., R. D., No. 2125 dated let March 1896. |

Cu3-1
5. The original and First Revision Settlement Reports of the 125 villages are printed in No. CCCL, New Series, and those of the I village from Pachora in the Pachora report No. CCCXVI, New Series. The original settlement of Saygaon is contained in the Nandgaon Report (Government Selection No. CCCXLIV-New Series) and further order issued under G. R., R. D., No. 4988 dated 13th May 1916.

The guarantee has already expired in the last two villages. The current settlement will expire in the remaining 126 villages in 1925-26.
6. General Description.-Chalisgaon Taluka has an area of 520 square miles. It lies in the centre of the south of Khandesh. It forms a projection on the southwest corner of East Khandesh District. In shape it is circular and compact except for some scattered villages to the south beyond the scarp of the Satmalas. To the West are Nandgaon and Malegaon talukas belonging to Nasik District. To the North is Dhulia in West Khandesh, and to the East from north to south Parola Taluka, Bhadgaon Peta and Pachora Taluka of East Khandesh District. To the South is Aurangbad District of the Nizam's territory. The southern boundary is formed by the Satmala Range which rises like a wall 1,600 feet from the plains, and beyond this lie 13 scattered villages surrounded by villages of the territory of the Nizam. North of this hill wall the taluka consists of a rolling plain about 1,100 feet above sea level, traversed from west to east by the river Girna and drained by its many tributaries, the largest of which, the Titur, runs through Chalisgaon town almost parallel to the Girna. This plain is almost level except for a slight undulation which becomes more marked towards the South-East North of the Girna and for a short distance south of it where it first enters the taluka is a range of low hills running North-East from the Nandgaon bills into Dhulia and Parola. These hills have level tops covered with boalders and scrub, and for the most part they are included in forest, but in parts arecultivated. In the plain here and there good trees are seen, sometimes in the middle and sometimes on the boundaries of fields. Mangoes, Nim and Tamarind are the most frequent. Of smaller trees, babuls and bushes, the number is enormous. Dotted about on every field boundary and beside nalas and roads they present at a distance the appearance of a continuous forest, but in fact the fields are open and the trees form an intermittent screen around them.

Above Outram-Ghat on the top of the Satmalas a plateau begins which extends 17 miles or more to the south into the Nizam's territory. The general level of the plateau is about 2,000 feet, but chains of hills rise from it abruptly here and there as they do in the Deccan. The highest of these is over 3,000 feet. The plateau is for the most part thickly wooded with Mahuda and Mango trees. It is rich and fertile and in parts there are extensive orange gardens.
7. Rainfall.-The average rainfall for the last 30 years is 29.22 inches at Chalisgaon, and the rainfall is similar throughout the central tract from the Girna to the foot of the Satmalas. In the 9 years 1886-1894 the average was 6 inches higher. A fall of 30 inches is very well suited to the cultivation of cotton, jowari and bajri. The rain has failed only in 3 out of these 30 years, and has been deficient or unfavourably distributed in 3 others. In the famines of 1899, 1907 and 1918 both kharif and rabi crops suffered severely, but in 1900, 1911 and 1920 though the rabi crop failed a fair kharif crop was raised. As the whole taluka below ghats is mainly kharif, it will be seen that severe loss from shortage of rain has occurred in very few years. The area north of the Girna is said to get less rain. There is a rain guage at Jamdha which is on the Girna and the average rainfall registered there is $22 \cdot 78$. There is no doubt that the rainfall decreases still further towards Dhulia. The North-West of the taluka shares the drier climate of Nandgaon and Dhulia.

In the villages in the South lying above the ghats the kharif rainfall is lighter, but the later rains are usually ample. In dry years these villages suffer from shortage of water as the rich soil requires pleuty of rain. A rainguage was set up at Hatnur in 1919. It shows an average fall of 24.46 for the last 5 years as compared with 22.66 at Jamdha and 28.69 at Chalisgaon for the same period.
8. Soil.- The soil in the west is stony, but it improves towards the centre and east where it is usually of a lightish quality and medium colour, spoiled in places by sandy, or rather dusty patches. Here and there are patches of rich
dark soil. The best soil in the taluka is at Vaghli in the East. The land is for the most part level or slightly undulating. On the plateau of the Satmalas the soil is red and stony, near the ghat but further south it is rich and black, and is capable when it receives sufficient water of producing heavy crops.
9. Crops and methods of cultivation.-In the plain the lightness of the soil combined with the fact that the early rain is usually more ample than the late tends to encourage the sowing of kharif crops in preference to rabi. It also makes the harvest earlier than in other districts. Cotton is grown over a third of the area and is the first crop sown. It is sown in July and picked before the end of December. The sowing of jowari and bajri follows shortly after. Bajri is the staple food of the cultivators and though sown last is the first of the three main crops to be cut. Hence it is particularly valuable as providing early food to man and beast. Jowari (Yellaspuri) is also eaten, but it is of an inferior quality to that grown in the Deccan. With jowari and bajri are sown mixed crops of mug, udid, rala, ambadi, turi, etc. Japanese groundnut is grown in small quantities. In cotton fields it is usual to sow parallel rows of turi 10 to 30 feet apart and to scatter jowari seeds here and there. The jowari thus sown ustially has remarkably fine heads.

There is a considerable area of bagait land but many wells are unused owing to the large area under cotton. When they are used chillies, maize, brinjals and sometime sugarcane are grown, and in the summer late jowari for fodder is raised.

In the villages on the plateau owing to the lateness of the rain and the rich, retentive nature of the soil rabi crops are preferred and the greater part of the land is given up to them. Wheat and Shalu (rabi jowari) and oil-seeds, especially safflower (Karda) and linseed (Alsi) are the chief crops, and are readily sold in a taluka where very little of them is grown below ghats. The supply of oil to Chalisgaon comes almost entirely from these plateau villages. In consequence these villages do very well except in years in which they do not get enough rain to make it possible to grow crops in the heavy soil. In the villages where the soil is lighter cotton, bajri and mixed crops are sown. Where the land is kept for rabi, it is usual to rotate shalu with an oil-seed. In kharif land, both above and below the ghat, there is no fixed rotation, but cotton mixed with tur is usually sown the first year ufter the land has been manured; it is followed in good land by cotton in the second year and jowari and udid in the third. In the medium land cotton and jowari are sown in alternate years. In light soil bajri is sown with a mixture of mug, mat, rala, etc., alternately with cotton mixed with tur, etc.

There is a remarkable area of good bagait land in Chikhalthan one of the villages of the plateau. Owing to plentiful subsoil water and rich soil oranges, guavas, pomegranates and many kinds of vegetables are successfully grown.

In the light soil of the taluka proper a wooden plough with a pair of oxen is customarily used. In the plateau villages teams of 4 to 6 oxen are required. Except in Chalisgaon itself iron ploughs are never seen.
10. The author of the original Setilement Report (paragraph 9 of Appendix R) criticises the careless methods of cultivation followed in the taluka. In the first Revision Report (para. 11) it is suggested that this criticism was prompted by the untidy appearance of the fields owing to bushes and weeds being left standing in the fields and this is said to be done to provide grazing for cattle. The fact seems to be that owing to the thick growth of babuls and bushes on the borders of the survey numbers these spread very rapidly either from roots or seeds over the fields. Usually they are babuls or a broad leafed shrub called 'palas' (which is not good for grazing). These shrubs are too deeply rooted to be ploughed up and consequently remain standing after the April ploughing when they are very noticeable. The laud is then left. The ploughing has served to turn up the coarse grass or twitch (Kunda), the most pernicious and rapid spreading weed in the soil. and this dries in the hot sun of May. At the end of May the shrubs are dug out by hand (though sometimes, it is true the roots are not completely removed), and the twitch is collected into heaps, and the whole is burned on the spot. As the fields are perfectly clean by the monsoon; the charge of careless cultivation fails, at any rate at the present day.
11. Where the method of cultivation is open to criticism is in the failure to make use of the possibilities of irrigation from wells. The land is full of wells containing water that is never used. If asked, the cultivator replies that there are mud and stones at the bottom. This is true, as it is true of every well that is not periodically cleared out. The true reason why so many wells are not used is that the profits from irrigated crops though ample and assured are only obtained after considerable outlay and labour, and the net return is probably not as high as that from cotton in years when the price of cotton is high. Cotton provides a quick return for very little expense and effort and in some years it brings in a very rich return. A quiet life and a gamble make a combination dear to the heart of the Khandesh cultivator, and cotton is not likely to make way for other crops when its cultivation rests on so strong a psychological basis.
12. A complaint is often heard that much more cotton seed is required now than in the old days. This is probably due to the custom of purchasing seed from the gin owners. Cotton seed that has been heated and shaken in a gin is likely to have deteriorated considerably in germinative power. The practice is also bad as it does away with all chance of careful selection of seed. Cotton is usually of the common 'varadi' variety with here and there a plant of the Dharwar-American kind. No attempt is made to keep the seed unmixed.
13. As the area of the taluka has been increased by the addition of two villages it is not possible to make exact comparisons between the area under various crops at the beginning and end of the settlement period, but the main variations are worth noting. The area under cotton has increased by over 20 per cent. and now forms one-third of the cultivable area. Bajri has increased by 40 per cent. and is still the most widely sown crop covering 37.58 per cent. of the total cultivable land. Jowari, on the contrary, has decreased, and so have wheat and gram. Linseed, til and sugarcane are very much less and their place has been taken by Japanese groundnut which has spread from 2 acres to nearly 4,000 . Til is usually sown in land newly brought under cultivation. Its decrease is therefore due to cultivation becoming established in the new land. The general tendency is to give up bagait crops and dry crops like wheat and gram which require heavy rain in favour of dry crops which grow on light soil with little rain such as bajri, cotton and groundnut. The first is the staple food of the district, and the two latter pay well. The exception to this is the great extension of fruit growing in the eastern villages above the Ghat.
14. Tenure of land.-One village has been selected from each group and a detailed enquiry made into the tenure of each survey number or sub-division. The land has then been classified according to whether it is cultivated by the owner or by a tenant and a cross classification has been made according to whether the owner works himself or not, whether he works with the help of his family, or whether he works with hired labour or with both. Also the persons interested in land have been classified according to whether they merely own land, whether they both own and cultivate the land which they own, or whether they cultivate the land of others. Also a separate class has been made of those who own some land and cultivate as tenants other land belonging to other persons. The result is of far more use than the old division into "agriculturists and non-agriculturists." The true non-agriculturists are shown in column-A (i) of the analysis of persons printed below. They form less than 20 per cent. of the total number of persons interested in land in all the villages except Junone, which is so small that most of its landowners live elsewhere and thus are classed as "non-agriculturists" in relation to this village.

The four villages selected are (1) Ozhar, a Kunbi village in Group I, 4 miles from Chalisgaon on the main road to Bhadgaon. It is a small village but so are all the villages near Chalisgaon which are on a main road.
(2) Sangvi, a medium sized village in Group II, some distance from a high road and populated by Vanjaris.
(3) Dhamangaon, typical of the villages north of the Girna. (4) Junone, a very small Bhil village on the edge of the Satmalas. It is typical of the more northerly of the scattered plateau villages, but not of those lying in the richer land to the South which approximate rather to the villages of the plain.
15. The results of the enquiry are shown below as obtained by careful questioning of the cultivators themselves:-

Analysis of land, Chalisgaon Taluka.


Analysis of Persons.


The statement shows that the landholder who neither works himself nor employs his family but cultivates by means of hired labour is practically unknown. The one exception is a minor with no relations. The one owner who employs hired labour but not his family has no family. By far the greater number of both cultivating owners and tenants, work with their families and also hire labour. A few of the poorer ones do not hire labour, but holdings are largein Chalisgaon and weeds grow apace and everyone who can hires labour for weeding. The proportion of land leased is extremely small and the average for the 4 villages is only $16 \cdot 30$ per cent.
16. The results show how thoroughly the population is agricultural. Most of the land is cultivated by the persons who own it, and all those who cultivate work in person and with their families. The number of absentee landlords is small, and in both Sangvi and Junone many of those so classed are personally cultivating land in other villages and so are, correctly speaking, agriculturists. By a curious coincidence the number of absentee landowners is in 3 out of the 4 villages equal to the number of persons actively interested in land as tenants only or in the double cepacity of tenant and landlord.
17. Only two persons own or cultivate more than 10 S . Nos. or sub-divisions. Most are interested in not more than 3. It is a feature of Khandesh as distinguished from the Deccan that the $S$. Nos. are large and that most are not sub-divided at all. The rest seldom have more than 3 sub-divisions. The Khandesh cultivator thus has an enormous advantage over the Deccani whose land is split up into numerous tiny fragments which are scattered and consequently wasteful to cultivate.
18. The following statement gives the details of holdings in the whole taluka as given in District Form No. V :-

| Detaile of holdingh. | Agrioultuxista. |  |  | Non-agriculturints. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. of rersons. | Area held. |  | No. of persons. | Area heid. |  |
|  |  | Khalsa. | Inam. |  | Khalse. | Inam. |
| Upto 5 acres $\quad$ - | 1,231 | 2,822. | 919 | 75 | 182 | 48 |
| Over 5 and upto 15 . ${ }^{3}$ | 3,400 | 31,793 ${ }^{\circ}$ | 1,866 | 267 | 2.570 | 164 |
| Over 15 and upto 25 -.- | 1,901 | 35,248 | 1,143 | 203 | 3,776 | 209 |
| Over 25 and upto 1c0 ... | 1,479 | 64,478 | 1.762 | 235 | 10,734 | 418 |
| Over 100 and upto 600 | 80 | 12,646 | 370 | 73 | 12,766 | 587 |
| Over 500 acrea .. | 1 | 719 | 39 | 4 | 2668 | 44 |
| Agricuhurista | 8,092 | 147,708 | 0,089 | 857 | 32,698 | 7,460 |
| Non-agriculturiste .. | 857 | 32,690 | 1,460 |  |  |  |
| Total | 8,949 | 180,402 | 7,657 |  |  |  |

It has already been stated that there is very little sub-division of surveynumbers. The above statement shows that comparatively few persons hold less than 5 acres of land. Instead of the small holder forming the bulk of the agricultural population the holders of each of the three larger areas, viz., those between 5 and 100 acres, are more numerous. The holders of between 5 and 15 acres are numerically the largest group ( $40 \cdot 74$ of the total agriculturists), and the bulk of land ( $43 \cdot 6$ per cent.) is in holdings of 25 to 100 acres. The large size of holdings and the absence of minute subdivision and fragmentation point to a far sounder economic position than is usual in the Deccan. The number of very large holders is small, but 4 out of the 5 are ' non-agriculturists'. The 'non-egriculturists' landholders form only 9.5 per cent. of the total number of landholders, and they hold 18.17 per cent. of the land (Government and Inam). The persons treated as 'non-agriculturists' for the purpose of this classification are only those who derive their main income from sources other than land. They include plesders and money-lending banias, but not inamdars and persons living on rent. It has been shown above that the percentage of all persons interested in land but not working on it is about 20.
19. Communications.-The main line of the G.I. P. Railway crosses the taluka diagonally from S. W. to N. E., and from Chalisgaon a branch line runs to Dhulia. This branch line was opened in 1900 and is the most important improvement in communications mede during the settlement period. On the main line there are stations at Hirapur and Veghli, and just beyond the border are Rohini and Kajgaon which are useful to the border villages on either side. Goods are not booked at Waghli or Rohini. On the Dhulia line there are stations at Jamdhe and Rajmane. Thus the taluke hes easy communication by rail with all the surrounding districts, and for purposes of export of cotton hes the direct line to Bombay.
20. The chief roed is that from Dhulia to Aurangabad, which crosses the rail at right angles at Chalisgron. It is metalled throughout and has crossings everywhere except at the Girna and Shivna. This roed wes in existence in 1894 but it stopped at the top of Outram-Ghat. It has since been continued through the Territory of the Nizam and Hetnur to Aurangabed, and its value has thereby been considerably enhanced. This road has a branch north of the Girna from Mehunbare to Jamdhe which was built in 1915-16.

A second metalled and bridged road runs from Chalisgaon through Vaghli to Bhadgaon, whence Pachora and Edlabad can be reached.

Another road runs W. N. W. from Chalisgaon to Malegaon. It is metalled for 4 miles up to Bilakkede, but after that the construction is not complete. The surface is metalled but culverts and crossings are missing. The work is however nearing completion as far as Pilkhod. Beyond the Girna it is merely a track.

A Local Board road runs parallel to the railway from Nandgaon to Chalisgaon.
21. There are innumerable cart tracks from one village to another and, as the country is level and the soil binds firmly, bullock carts travel easily throughout the taluka. The one great obstacle is the river Girna which cannot safely be crossed by a laden cart in the cold weather except at Mehunbare. Consequently the cotton grown in the area North of the Girna is taken to Dhulia and not to Chalisgaon by bullock cart and not by rail. The benefit of the new Chalisgaon-Dhulia Railway is therefore indirect. It is not used for the transport of raw cotton to Dhulia, but the cleaned cotton is exported by rail from Dhulia to Bombay and elsewhere. The railway greatly facilitates this export and consequently Dhulia has become a better market and the cultivators get the benefit of the improved prices.
22. Markets. The chief market of the whole taluka South of the Girna is of course Chalisgaon itself, which is not only central in position but is at the junction of two railway lines and 5 important roads. Most of the raw cotton of the taluka is brought there and ginned ready for export and the chief Imported articles come there first for distribution. The weekly turnover in the Saturday bazaar is about Rs. 45,000. All kinds of grain, cloth, clothes and groceries are sold and it is the only cattle market in the taluka. The cotton of the area North of the Girna is taken to Dhulia where there are 6 or 7 gins and cotton buying firms and a mill is under construction, and the adjoining villages in the East sell their cotton at Kajgaon in Bhadgaon Petha which has a gin and is on the railway. At Mehunbare there is also a gin which buys local cotton, and the south-western villages sell to the gin at Waghli or else to Chalisgaon.
23. Mehumbare, the chief village on the Girna has a bazaar on Friday at which grain, cloth and groceries are sold. The village stands on the Dhulia road and has a good road to Jamdhe station. It serves the northern villages beyond the Girna. A similar but smaller bazaar is held at Khedyaon further East on the Bhadgaon border.

In the extreme west, near the Girna and the Malegaon road, is Saygaon, and this bazaar is a meeting place for the three talukas of Malegaon, Nandgaon and Chalisgaon.

On either side of Chalisgaon are the railway stations of Hirapur and Vaghli and each of these has its bazaar, Vaghli being the more important.

Amongst the scattered villages on the Satmalas there are bazaars at Chapaner and Hatnur. The latter is well situated on the Dhulia-Aurangabad high road. There has hitherto been no bazaar in the southern villages below Outram-Ghat but one has recently been opened at Ranjangaon which lies near the Dhulia-Outram-Ghat road.

All these bazaars are useful in providing clothes, groceries, grain and the various little necessaries of life. No trade in cotton is done at them. Cotton is an important trade and is transacted separately and not at weekly bazaars.
24. The following is a list of important fairs held in the taluka :--

| Name of village. |  |  |  | Average No. ' of visitors. | Name of fertival. | Appr ${ }^{\circ}$ ximate date on which the fair is held. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Patra | .. | $\cdots$ | 5,000 | Chandits. | Chaitra Shud 15 (19-4-24). |
| 2. | Vaghli | . | . | 2,000 | Krishna Dev. | Paush §hud 15 (21-1-24). |
| 3. | Rajmane | . | $\cdots$ | 3,000 | Vanjaris' Krishna Dev. | Shraven Vadys 8 (22-8-24). |
| 4. | Saygaon | . | . | 5,000 | Dattatraya. | Margeshirah Shud 15 (11-12-24). |

Exports and Imports.
25. The following figures have been supplied by the courtesy of the G. I. P. Railway Company.

| Year ending. |  | Cotton. |  | Grain and pulse. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Export Mds. | Import Mds. | Export Mde. | Import Mds. |
| 31st December 1893 | $\cdots$ | 81,42\% | 477 | 85,097 | 70,049 |
| 81st December 1903 | $\ldots$ | 102,301 | 72 | - 26,351 | 62,453 |
| 31 at March 1914 | $\cdots$ | 76,401 | - 357 | 15,801 | 92,964 |
| 319t March 1923 | . | 84,504 | 123 | 57,000 | 121,523 |

The remarkable point is the high figure for exported cotton in 1903. The reason for this is not clear, but it is probable that as the Dhulia line was only opened in 1900. Dhulia had not in 1903 risen to its present position as a market for cotton and consequently the cotton produced in the North of the taluka which now goes to Dhulia, was in 1903 brought to Chalisgaon. The figure for 1914 was depressed nwing to the two bad seasons which preceded it. The export of grain was far bigger in 1893 than it has ever been since and the falling off of exports is accompanied by a huge increase in imports. The probable explanation is the increase of wealth due to the rapid rise in the price of cotton. The proceeds of the sale of cotton enhanced the purchasing power of the cultivators and raised their standard of living.

Statistics of total exports and imports for 1912 and 1923 are as follows:-

| Station. | Year ending 31st December 1912. |  |  |  | Year ending 31st March 1923. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Outward. |  | Inveard. |  | Outward. |  | Inward. |  |
| Chaliggaon Station. | $\begin{gathered} \text { Mds. } \\ 174,878 \end{gathered}$ | $\underset{82,240}{\mathrm{Rs} .}$ | $\begin{gathered} \text { Mds. } \\ 431,533 \end{gathered}$ | $\left\|\begin{array}{c} \text { Rs. } \\ 1,60,161 \end{array}\right\| 3$ | $\begin{gathered} \text { Mds. } \\ 314,673 \end{gathered}$ | $\underset{1,44,317}{\mathrm{Rs} .}$ | $\begin{gathered} \mathrm{MdN} \\ \mathbf{4 4 6 , 4 8 9} \end{gathered}$ | $\underset{\cdot 1,91,721}{\mathrm{Rs}_{1}}$ |

1912 was a poor season and that accounts in part for the low figure of exports. Probably too the imports increased for the same reason. The above figures cannot be taken as an exact guide to the trade of the taluka as they include all goods entering or leaving Chalisgaon station by rail whether their origin or destination was inside the Taluka or not.
26. Exports.-In 1863 in the original Settlement Report (paragraph 10) it is stated that the price of cotton had begun to rise and that this had given an impetus to cotton sowing butt it is remarked that most of the profits went to the savkar. The system of 'jalap' under which this was possible had already practically disappeared in 1893 (paragraph 17), and now there can be little doubt that the cultivator benefits directly by any rise in the price of cotton. The seasonal.cutput of the 5 gins at Chalisgaon is estimated at 25,000 pallas which is equivalent to about 2,780 tons. Probably the whole of this is grown in the taluka, and there are two other gins which also draw their supply of raw cotton from it. The cotton cleaned in the gins is exported to the Bombry mills.
27. The cotton grown North of the Girna, except for that cleaned in the two gins at Waghli and Mehunbare is exported in its raw state to Dhulia. Here, in addition to the gins, there are 4 or 5 cotton buying firms, chief amongst them being Messrs. Ralli Bros. and a Japanese firm. Dhulia is consequently the best cotton market in the neighbourhood, and villages such as Dhamangaon, 26 miles from Dhulia and only 9 from Chalisgaon, prefer to send the whole of their cotton to Dhulia where the best price is obtained. The Mehunbare gin gives a lower price and the Chalisgaon gins less still. In addition to this the bad crossing of the Girna is avoided and the road to Dhulia, though long, is good, and Messrs. Ralli Bros. weigh the cotton on arrival and pay cash down, methods which the cultivators fully appreciate. The cotton bought in Dhulia is exported by rail via the new Dhulia-Chalisgaon branch line. It is not possible to obtain figures showing the increase in the quantity of cotton exported but the increase in the area sown with cotton can be given. In 1893, 56,832 acres or 31 per cent. of the total cultivated area of the taluka was sown with cotton. In 1914 the area was 60,833 acres. The area is now 67,139 acres and the percentage has risen to $33 \cdot 76$. The rise in the price of cotton will be dealt with in detail later on (paragraph 57) but it is clear that the great rise in price is due to an increased demand for export and is likely to stimulate production.

According to Bulletin No. 109 of 1021 of the Agricultural Department (Crops of the Bombay Presidency page 32) Khandeshi cotton is known to the trade as "Oomras", and though it is one of the varieties with the, shortest staple ( $1 / 2$ to $5 / 8$ ths of an inch) it has the second highest gining percentage.
28. Imports.-The chief imports are cloth, rice, timber, salt and articles of foreign manufacture. Very little rice is grown in the taluka and so it has to be imported as it is a favourite article of food. These imports represent the necessaries
of life which the taluka does not produce. Timber mostly comes from the Central Provinces, and salt from the Konkan. Cloth is imported from or through Bombay.
29. Manufactures and Industries.-The taluka being purely agricultural there are few industries besides the sale of liquor and the weaving of woollen cloth other than those connected with agriculture and in particular cotton. Details are given in Appendix E. It will be seen that the ginning and pressing industry is almost confined to Chalisgaon, the only gins outside being one each at Vaghli and Mehunbare. These gins work from November to March, and each employs 180 persons and turns out 5,000 pallas or 1,300 tons of cleaned cotton per annum. A new spinning and weaving mill is also under construction at Chalisgaon and its building is providing a good deal of employment.
30. There are four oil presses at Chalisgan two of which are worked by machinery, but the greater number of the presses are in the villages on the Satmalas where most of the oil seed is grown. The number of woollen looms ( 40 out of the 57 are in Government villages) is high, but it is the same as 30 years ago. The number of sheep in the taluka has increased and probably the outturn of woollen cloth has increased accordingly.
31. Timber is brought from Kalyan and the Central Provinces and is used for building purposes. A large number of carts are made at the two factories in Chalisgaon. The warkshop shown in column 4 is an iron foundry attached to the new mill which is under construction, but it is intended for general purposes.
32. Population. - The population by the census of 1921 was $1,02,474$ which represents a density of 197 persons to the square mile. Chalisgaon is thus the second in population as in area of the talukas of East Khandesh, Jamner being the first. The variations in popalation during the current settlement period ere as follows :-

| 1891. | 1901. | 1911. | 1821. |
| ---: | ---: | ---: | ---: |
| 74,880 | 90,837 | $1,00,492$ | $1,02,474$ |
| Increase or decrease | $\ldots$ | +21 per cent. | +7 per cent. |$+2$ per cent.

When it is remembered that some 7,000 persons di d of influenze alone in 1918, it will be seen that the normal increase in the last decade would heve been 9 instead of 2 per cent.

Chalisgan is the only town in the taluka and its population has varied as below :-

| 1891. | 1901. | 1911. | 1921. |
| :--- | :--- | :--- | ---: |
| 8,138 | 10,243 | 9,453 | 12,007 |

Increase or décrease +67 per cent. +26 per cent. -7 per cent. +27 per cent.
The population of the taluka has thus been incressing steadily but at a diminishing rate. It is now 37 per cent. greater than in 1891. The town of Chalisgaon has increased by 47 per cent. in the same period. The population of East Khandesh District increased by 16 per cent. between 1891 and 1921. It is evident then that Chalisgaon taluka has increased more rapidly than most of its neighbours.
33. About half of this population consists of Kunbis either Reva or Taloli, and the other half is made up of Mahars, Malis, Musalmans, Vanjaris, Bhils, Dhangars and other castes. Some claim to be Rajputs and some Marathas. The population is considerably mixed and it is probable that many people do not know their own origin. All castes have settled down peaceably together and tend to coalesce according to similarity of condition, ignoring differences of origin.
34. This mixture of races is probably the cause of the large number of small villages in the taluka. Most villages are split into two, an old and a new, and though the village sites frequently adjoin or are on opposite sides of a stream, the organisation of the two is quite separate. The same tendency leads to the formation of hamlets. The Vanjaris in particular nearly always prefer to live apart. These people, whose original home is probably Marwar or Rajputana, were formerly the carriers of Northern and Central India. Railways have robbed them of their trade and they have now settled on the land and are particularly industrious cultivators ; but the old habits of bivouac remain, and they prefer to live in their own huts apart.
35. Schools.-The following statement gives the details of schools :-


The average attendance at schools of all kinds in 1923-1924 wes 3,268 boys and 94 girls as opposed to 998 boys and 15 girls 30 years ago. There are in all 51 schools and 145 teachers to 143 villages, but as many of the villages are very smalland some lie in groups of 2 or 3 the number does not appear low. The increase since 1894 is considerable. The number of girls who attend school is still very small.
35. Health.-The taluka has a dry and healthy climate and its freedom from the excessive heat of the more easterly talukas renders it less enervating in the hot weather. In earlier days the country at the foot of the Satmalas and the Western side of the taluka were considered unhealthy and malarious, but the former area has long ago been cleared and brought under cultivation and is not now unhealthy. The Western side of the taluka is still reckoned to be less healthy than the rest.
36. The births in the lest 10 years numbered 46,904 and the deaths 42,984 leaving a balance of $\mathbf{3 , 9 2 0}$. Of these deaths 1,140 were due to cholera, 552 to smallpox and 1,286 to plague. No separate figures have been kept for influenza, but roughly 7,000 persons died from this cause in 1918, or nearly double the excess of births over deaths in the last 10 years. The last year for which statistics are available, 1923, was free from serious epidemics. In it there were 6,269 births and 2,460 deaths. The births represent 61 per mille of the population, a remarkably high figure.
38. Agricultural Stock.-Appendix D compared with Appendix F of the old report shows that the number of plough cattle has slightly increased, but the number of small ploughs is very much less, while large ploughs are only a few more. As the cultivated area has increased an increase in both ploughs and plough cattle would have been expected. Iron ploughs are not in use in this taluka, so the explanation cannot lie in the greater efficiency of the ploughs. It has been suggested that previously more ploughs were needed to break up the new land, but this argument would apply equally to plough cattle. Possibly the figures are wrong. In any case as the cultivated area is larger and cultivation has certainly not deteriorated it would appear that the present numbers are sufficient and that 20 acres per yoke of oxen is not too much. Bulls have increased, but milch cattle and young stock are much fewer. This decrease is probably due to the smaller area of pasture owing to the increase of cultivation and the spread of cotton cultivation at the expense of jowari. Khandesh is a comparatively newly settled district and grazing is sure to decline as the arable area extends. In contrast with the decrease of cattle there is an increase in all the means of transport. Horses and donkeys are more as also carts for carrying produce. Carts for passengers
have doubled. The result may be summarised as less grazing, more cultivation and more trade.
39. Water Supply.-The river Girna has the only perennial supply of surface water in the taluka. The Manyad on the West, and the Titur in the South, and the Siv beyond the Satmalas flow in the cold weather, but in the hot season have only occasional pools of water. The lack of a plentiful supply of water, both surface and underground, in the bed of the Titur causes inconvenience in Chalisgaon both to the town and the Railway.
40. Appendix $\mathbf{F}$ shows that wells are numerous and that their number has increased by 120 per cent. since 1894 . One third of this number is used for drinking purposes. The rest are for irrigation, but the majority of them are not used owing to the extensive sowing of cotton. There is no doubt that a very much larger area could be irrigated from the existing wells if the cultivators chose to use them. The largest and probably best area irrigated from wells is at Chikhalthan above the ghat, where Santras, guavas, pomegranates and vegetables are grown in large quantities.
41. Irrigation by flow is practically continued to the Jamdha canal which obtains its water from the Girna. The bandhara at Patonda has fallen into disuse owing to the silting up of the pat. No other bandharas are in existence.
42. Sales.-The sales of land have been examined and sifted with great care first to correct any mistakes in the figures due to errors in the Record of Rights or to mistakes in copying therefrom, and secondly to eliminate any sales which do not represent the true economic value of the land arrived at by negotiation between buyer and seller neither of whom has an undue advantage over the other. The object has been to ascertain the true market value, and for this purpose only the residue of sales has been considered after excluding the following classes-
(1) Sales which include houses, wells, or trees beside the land itself.
(2) Sales of land which has a value present or prospective for purposes, other than agriculture.
(3) Sales of Inam land, because the Inam right has a value of its own.
(4) Sales of land between creditor and debtor, because the sum paid is usually decided by the amount of the debt rather than by the value of the land.
(5) Conditional sales, and sales where the buyer was the original owner. Such sales are either mortgages or akin to mortgages.
(6) Sales between near relations or which form part of a marriage transaction. The former are usually for less than the real value and the latter are frequently bogus.
(7) All bogus sales in which actual possession of the land is not transferred.
(8) Sales which are really exchanges of land. The sale price is merely a formal figure, or represents the difference in value of the two pieces of land exchanged.
(9) Sales by auction as prices given at auction are notoriously uneven.
(10) All sales in which one or other of the parties is affected by conditions peculiar to his own case, e.g., when a man buys land adjoining his own.
(11) Sales of land which has been improved by the holder, e.g., by the building of tals or sinking of wells, or has deteriorated from lying waste
43. Every sale has been enquired into in the village itself, and the cultivators who are usually familiar with the circumstances of each sale have been questioned. Where nothing was known about the transaction the sale has been omitted in order to avoid very possibility of error. The residue may fairly be said to show the economic value of agricultural land in the taluka,
44. The following is a summary of Appendix $G$ showing the selling value and the multiple of the assessment represented by the sale price of Jirait land :-

Sales of Jirait land.

| Group No. | 1894-1903. |  |  | 1014-1083. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Aversge rate por acre. | $\underset{\substack{\text { Multipie } \\ \text { astangment. }}}{\text { o }}$ | Ave'age atsespment per acre. | Average rate per acre. | Mndtlple of asserament. | Increase or decreake in price per aote. | Increase. or decrease in multiple. | Average nasesment per acte. |
|  | Ra. |  | Re. | 18. |  | Its. |  | Re. |
| I | 84.22 | 28.06 | 1-22 | 148.04 | 127.84 | +11.3.82 | $+89.78$ | 1-25 |
| II .: | $35 \cdot 87$ | 92.08 | 1-12 | 115.51 | 123.34 | + 80.14 | + 91.26 | 1.06 |
| III .. | 85-10 | 88.10 | 1.00 | 119.45 | $142 \cdot 06$ | +84.84 | +108.08 | -84 |
| JV | $0 \cdot 64$ | $0 \cdot 40$ | 1.01 | 36.30 | $44 \cdot 16$ | + 26.76 | + 34•76 | -82 |
| Eunthar | 18-73 | $24 \cdot 21$ | 77 | 48.44 | 67.05 | + 27.71 | + 42:3 | . 00 |

Of the sales which took place in the last decade in the villages of Group I, 200 have been admitted. Appendix $G$ contains all the details. The maximum rate of this group is Rs. 3 and the average incidence of the assessment on the land included in the sales is Rs. 1.25 per acre. The average price per acre was Rs. $148 \cdot 04$ representing $117 \cdot 84$ multiples of the assessment. In the first decade of the Settlement period (1894-1903) the average selling price was Rs. $34 \cdot 22$ per acre representing a multiple of the assessment of $28 \cdot 06$. Thus, while the assessment has remained unchanged, the value of land has more than quadrupled. It will be noticed, too that, while the multiples vary from village to village, the central and westerly villages having a distinct.advantage over those to the East, no village has a lower multiple than $89 \cdot 77$, which is more than three times the average multiple of 1894-1903.

In Group II the multiple is higher than in Group I and in Group III it is higher than in Group II, and the order was the same in the first decade as it is now. In these three groups the multiple has increased by 308 per cent. In Group IV as might be expected the multiple is considerably lower, but it has risen by 369 per cent. The enormous increase in the value of the land during the current settlement is obvious. Kunjhar, which is a new addition to the taluka and has a maximum rate of Rs. 3-3-0 has been shown separately. Its multiple is lower than that of the first three groups but has increased by 176 per cent.
45. It may be argued that this very high level of prices is due to temporary conditions brought about by the war which are likely to pass away. In order to ascertain the true facts I have divided the last decade into three parts, viz. : (1) the years 1914-17, in which prices were still at the pre-war level, (2) 1918-21, the boom period, in which prices were greatly inflated as a result of the war, and (3) 1922-24, the post-war period in which war conditions have passed away. Whether prices have yet reached equilibrium cannot yet be said, but the peculiar circumstances of the war have passed away, and if prices are still high six years after the conclusion of the war, they must be reckoned with as at all events a semi-permanent feature of the present period.

The analysis gives the following result. The prices are expressed as multiples of the assessment in order to avoid misleading comparisons between pieces of land of different value :-


It appears that in the first or pre-war period the price was from 3 to $4 \frac{1}{2}$ times the 1894-1903 price, that it rose nearly 50 per cent. in the war period in the first two groups and 25 per cent. in Group Iil and has since then risen another 20 per cent. Only in Group IV the price fell slightly in 1918. It is clear then that the main rise in the price of land took place before the period of war prices, and that the further rise which took place during the war period, so far from being a temporary boom followed by a sharp decline, has been continued through the postwar years. It is at least equally as probable that the price is still rising as that it will shortly decline. In any case it is most improbable that it will fell below the 1914-17 level which is more than three times as high as the level in 1894-1903.
46. The sale multiples vary in individual villages from 149 in Unhedi to 74 in Kodgaon in Group I, from 219 in Mundkhede to 65 in Shirasgaon in Group II, from 280 in Pohor to 75 in Mandurne in Group III and from 87 in Palasgaon to 32 in Chapaner in Group IV. The high multiples are not confined to any one part but are scattered all over the taluka and high and low multiples are found in adjoining villages. A remarkable fact is that the multiple of Patharje in which the maximum rate wes doubled 30 years ago is 79 , and its lease multiple is $8 \cdot 33$, which shows how easily the increased assessment was borne.
47. So far we have been comparing the prices of the first decade of the settlement with those of the last decade. It may reasonably be asked why we do not compare the sales of the original settlement period with those of the current settlement. The price of land in the original period is given in Appendix K of the old Report. From that it appears that the average rate was Rs. $18-8-0$ per acre representing 24 times the assessment. The assessment was then Rs. $2-8-0$ for Group I instead of Rs. 3 zs at present. The reasons why the first decade of the current settlement ha; been chosen for comparison are, first that the assessment is the seme ss in 1914-23 and second that the authors of the first Revision Settlement Reports did not test their sales, and consequently the figures are probably vitiated by the inclusion of bogus, conditional and other uneconomic sales. On the other hand we have exact figures for the 1894-1903 period, and they can be to a large extent, and have actually been tested by questioning the older men in the villages.

Taking the figures of the previous report for what they are worth we find that the current price in the present Group I is eight times as high and the multiple nearly five times as high as in the original settlement period although the assessment on which the multiple is based has been raised as from five to six.
48. Sales of Motasthal land.-Although there is a considerable area irrigated from wells and a still larger area in which there are useful wells which are not worked the area assessed to motasthal is small, because under Government orders wells built subsequent to the Survey Settlement were to be treated as improvements made by the occupant and were assessed only to Jirait. As motasthal land is very productive it is seldom sold, and more often worked by the owner than let to a tenant. Consequently sales and leases of motasthal land are very few indeed. ] The statement given below is a summary of Appendix G.

Sales of Motasthal land.


There was only one sale in 1894-1903 in Group II and the enormously high multiple can be neglected. The present multiples of 156 and 251 in Groups II and III respectively are sufficiently high to show that the assessment is very light.

The following statement shows the variation in multiple during the various period. The post-war price is higher than that of 1914-17 in Group II, and higher, than that of the war period. in Group III :-

49. Leases.-The leases have been sifted in the same way as the sales. The following kinds have been excluded as uneconomic:-
(1) Leases where the occupant is creditor or mortgagees and the tenant debtor, since the rent is usually determined by the amount of the debt, or the interest is added on to the true rent.
(2) Leases where the tenan; is the original owner, because such tenants are either disguised mortgagors or else they work for a high rent in order to retain a connexion with the land.
(3) Leases of Inam land (other than land paying Judi equal to the assessment), which is sometimes let cheaply as the owner has only Judi to pay out of his rent and not the full assessment. Sometimes the rent is unduly high because a sentimental value attaches to Inam land.
(4) Leases in kind.
(5) Crop-share leases.
(6) Leases in which a lump sum is paid in advance to cover the rent for several years. Such rent is practically a loan from which discount has been deducted. The amount is therefore less than the true rent for the same period. This can be proved by comparing the rent for an 11 months lease of the same land. Such lump sum payments are frequent in Chalisgaon Taluka.
(7) Leases passed between near relatives as the rent is usually a nominal sum or very low.
(8) All leases in which the rent appears to have been affected by special or personal considerations.
50. Rents.-In reckoning the :ent the full sum paid by the tenant to the owner is taken. Where the tenant pays the assessment the amount of the assessment has been added on to the rent, since this is the portion of the full rent due by the owner to Government. Its payment by the tenant is merely a matter of convenience.

As rent is the basis of assessment the figures derived from the leases are extremely important as they show the amount of rent which a tenant is willing to pay, and a landlord to accept, for a given piece of land. The sifting described above hes eliminated as far as possible the cases where one party has a considerable economic advantage over the other. The result therefore represents the rent as assessed by the landlords snd tenants themselves. It is the amount which the tenant, after paying the costs of cultivation including his own maintenance, is willing to pay for the right to cultivate the land. To the landlord it represents the unearned profits of ownership and is exactly equivalent to interest on money invested. Out of this rent assessment is paid, and Government have laid it down that in general the assessment should not be more than 50 per cent. of the rent. An examination of - Appendix H will show what proportion of the rent is actually being levied as assessment.
51. Index fugure. -In Appendix $H$ in addition to the multiple of assessment represented by the average rent there is given in column 7 the index figure of each village. This device was first used by Mr. Webb (page 20 of his Belgaum Report, Selection No. DLXXXIV R. 6958 and 6959-19). This index figure is obtained by multiplying the maximum rate of any village by the average rent multiple of that village and dividing the result by 2 . The maximum rate is the assessment of 16 -anna land. This rate multiplied by the rent multiple will give the average rent of 16 -anna land in the village. (It is assumed that the rent of inferior land bears the same proportion to the assessment of that land, as the rent of $16-a n n a$ land bears to the maximum rate). The maximum rate by practice and by the declaration of the Government
of India is limited to one-half of the economic rent. Therefore by dividing by 2 the figure obtained by multiplying the maximum rate by the rent multiple we get the figure which represents the full maximum rate leviable by Government. This index figure compared with the existing maximum rate of the village shows how far the latter falls short of the maximum assessment to which Government are entitled in that village.
52. Leases of Jirait land.-Appendix H contains every admitted lease of 52 per cent. of the villages in the taluka. There are in all 861 leases covering an area of $11 \cdot 647$ acres 35 gunthas of land. Every lease in each of these villages has been examined and at least twice as many have been rejected as admitted. The figures are therefore fully representative of the true level of cash rent.
53. The following statement is an abstract of Jirait leases in Appendix H:Leases of Jirait land.


The important columns are those showing the multiple and indices. The number of leases is given to show the materials on which the statistics are based. It is remarkable that in no group is the multiple below $5 \cdot 62$. This means that when the occupant of land has paid his assessment he still has 4.62 times the assessment as net profit. In Groups II and III he has as much as $7 \cdot 43$ and $7 \cdot 77$ times the assessment. It is obvious that assessment is very light. Moreover, when it is remembered that Government is entitled to take up to half the rent as assessment, it will be clear that this standard is very far above the actual facts. In no group is Government taking as much as $1 / 5$ th. The Index figures show the maximum rate which would have to be levied for Government to get their half share. The existing rate in Group I is Rs. 3 as compared with the Index of Rs. 9-14-0, the existing rate in Group II is.Rs. 2-12-0 as compared with Rs. 11-9-0 index.
54. It is noticeable that as in the sales so also here the multiples of Groups II and III are higher than that of Group I. Not only so but the index is also higher. This means that not only are the two lower groups proportionately less heavily assessed but that they would still be more lightly assessed if their maximum rates were raised to that of Group I. Kunjhar which adjoins village of Group III has practically the same multiple and index as Group I.

The multiples of individual villages vary as follows :-

> Group No. I from $9 \cdot 56$ in Bhoras Khurd to $4 \cdot 82$ in Ozar. Group No. II from $13 \cdot 96$ in Talegaon to $5 \cdot 33$ in Hatgaon. Group No. III from $12 \cdot 01$ in Pilkhod to $5 \cdot 13$ in Mandurne. Group No. IV from $9 \cdot 22$ in Palasgaon to $2 \cdot 33$ in Jalgaon.

The villages adjoining Pilkhod south of the Girna and the villages on the western border have noticeably high multiples, but the highest of all is at Talegaon in the south-west. There is no marked superiority in any particular part of the Taluka.
55. Leases of Motasthal land.-The following is an abstract of Appendix H:-

| Group No. | $\underset{\text { leased }}{\text { Area of land }}$ | Assesament. | Renta | Multiplee of assessment represented by the rent. | Average abserament per acre. | Averaper rent per acre. | No. of leases. | Lodox. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| r .. <br> II $\cdots$ <br> III •- <br> IV  | $\begin{array}{cc}\cdots & \\ 48 & 25 \\ 88 & 20 \\ 7 & 9\end{array}$ | Rs,   <br> $\cdots \cdots$   <br> 01 2 0 <br> 08 15 0 <br> 15 0 0 |  | R8. $\cdots \ldots$ 11.15 8.47 17.88 | Il. <br> 4. 09 <br> $1 \cdot 97$ <br> 2.07 | 88. <br> $\ldots \ldots$ <br> 24.71 <br> 10.68 <br> 36.98 | Ro. <br> $\cdots \cdots$ <br> $\cdots$ <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br>  | $\cdots$ 18.11 10.9 17.5 |

Like the sales the motasthal leases are very few and for the same reason. They show remarkably high multiples in all the groups for which there are any figures. As they are considerably higher than the jirait multiples it is clear that any increase which the jirait multiples may justify can be borne with still greater ease by motasthal land, since the motasthal assessment is based on the jirait maximum rate.
56. Crop Experiments.-No crop experiments have been made in this taluka, but this appears a suitable paragraph in which to examine the results on land values of the Jamdhe Canal Irrigation.

This canal is managed by the Public Works Department and canal water is charged for in bulk or according to the crop grown. The rate is not based on any consideration of the qualities of the soil irrigated. The figures given below refer to the dry crop rate charged on the soil. The cultivator buying or leasing such land knows that he will have to pay for the water separately.

## Dry crop land of the same villages.

The following statement shows the difference in multiple between the dry crop land and land irrigated by the canal in the same villages :-

|  |  | 1894-1003 Multiple. | 1914-1923 <br> Multiple. | Lease Maltipla. |
| :---: | :---: | :---: | :---: | :---: |
| Group III Bahal |  |  |  |  |
| Irrigated | $\cdots$ | $38 \cdot 67$ | $198 \cdot 51$ | 10-20 |
| Unirrigated | . | 33.95 | $146 \cdot 22$ | 10-19 |
|  |  | $+4 \cdot 72$ | +52.29 | $+\cdot 1$ |
| Group No. II Borkhede |  |  |  |  |
| Irrigated .. | .. |  |  | $18 \cdot 79$ |
| Unirrigated .. | . |  |  | $7 \cdot 08$ |

The result appears to be that in spite of the rate to be paid for the water, land under command of the canal is worth 52 multiples of the assessment more than unirrigable land, and that it lets for the same number of multiples in Bahal and for considerably more in Borkhede. The figures are based on too few transactions to be conclusive, but they seem to indicate that canal irrigated land gives a better return in proportion to the assessment and water rate combined than dry crop land does in proportion to the assessment alone.
57. Prices.-Appendix I and the paragraph attached thereto show that prices rose steadily from 1889 to 1917 . In 1917 the amount of bajri purchasable per rupee had decreased by 30 per cent. of cotton by 26 per cent. and of wheat by 36 per cent. Then came the years in which war prices prevail and in addition the monsoon failed twice. Consequently in the years 1918-21 the amount purchasable per rupee decreased by 55 per cent. in bajri, 34 per cent. in cotton and 47 per cent. in wheat. In other words bajri more than doubled, and wheat almost doubled in price. The present price of bajri is midway between the prewar and war prices. Wheat has also declined, but cotton has risen sharply. The price of cotton is subject to far more rapid fluctuations than that of food-grains, and is governed entirely by the conditions of the world market. The general trend of prices is best shown by the curve of bajri; its present price is higher by 125 per cent. than the 1889-1894 rate. The general rise in the price of commodities is equivalent to a fall in the value of money. The rise in the value of produce has been followed by a rise in rents, but Government assessment, being fixed in cash, has remained at the same figure. Measured in terms of produce it is worth about half what it was in 1894. The fluctuations in the price of cotton have led to a great deal of speculation, but the price has ruled so high since 1916 that cultivators have prospered greatly. The poor yield of 1923 was more than made good by the price, 1 seer 12 chataks to the rupee, which was double any previous figure.
58. Wages.-Statistics are available from 1,900 only. Agricultural wages have doubled since that date and now stand at 8 annas. Women get about half that. The wages of skilled labour have also doubled during that period, but unskilled (Non-agricultural) labour is now at the same level as field labour, although
until 1922 it was always better paid. Agricultural wages began to rise in 1919 and 1920 and reached the present figure in 1922. They have thus closely followed the rise of prices. In some outlying ville,ges wages are not more than 5 or 6 anass for men and 4 or 5 annas for women.
59. Variations in occupied area and revenue.-The occupied area and consequently the revenue were increased by the addition of Saygaon in 1906 and of Kunjhar in 1917. The increase in revenue shown in 1915-16 is merely due to the inclusion of local fund in the land revenue demand. Otherwise, there are no noticeable variations in revenue. While the gross area of the taluka has increased by only 10,000 acres the cropped area has increased by 25,000 and the cultivable waste has decreased by 33,000 . The latter figure includes land which has now become forest but the chief alteration is due to the giving out of large areas of waste land for cultivation. This is one reason for the increase in revenue by Rs. 26,000 between 1896 and 1923. Appendix M shows that if Saygaon and Kunjhar of which the earlier figures are not available be omitted the unoccupied Government land has decreased by more than 6,000acres, inspite of an increase of $\mathbf{3 , 0 4 5}$ acres in these villages, Pathe, Odhre and Rajdehere, which is due to a large area having been disforested in order to make more land available for cultivation. This increase in unoccupied land is not due to a decresse of cultivsted land but to the whole additional area thrown open for cultivation not having yet been entirely taken up owing to difficulties in getting the land measured and demarcated. This difficulty has since been overcome and there is keen competition to take up the new survey numbers.
60. Collections.-The whole amount due has been collected without difficulty. Suspensions were not necessary between 1910 and 1917. After that date Rs. 30,468 was suspended owing to the famine of 1918-19, and $1,17,443$ in 1920-21.
61. Remissions.-No remissions have been granted in the last 10 years.
62. Coercive Processes.-In no case in the lest 5 years has forfeiture or sale of occupancy right been necessary. Fines of the heve been levied in 17 ceses only, the aggregate fines amounting to less than Rs. 100 .
63. Grouping.-The present grouping takes the central plain of the taluka South of the Girne and North of the Satmeles as a unit in which climete an communications are similerly edvantageous throughout, but the exceptionel convenience of the villeges within ef five mile radius of the grest morket of Chelisgean is recognised by their being reised to a higher group. A third group is formed by the villeges North of the Girne which get rather less rein and are cut off from Chalisgeon by the broad bed of the Girna. The fourth group comprises the villeges above the Ghat where the rainfall is usually not enough for the rich soil and which can only be reached by the tortuous ghat road.
64. The edvantages of the first two groups in rainfall and in the existence of the railway and easy road communication are obvious. The inferiority of the third Group in climate remains the same as before, but its communications have been greatly improved. In the earlier settlement reports no mention is made of Dhulia as a market and it is probable that most of the Group III villages brought their cotton to Chalisgaon. The construction of the Dhulia-Chalisgoan line has, however, made Dhulia a very much better cotton market, and it is now superior to Chalisgoan. Hence there is now no need for the cultivators in Group III to drag their produce across the Girns. They take it by the main roed to Dhulia and get better prices than in Chalisgaon. The distance is great but distances on a good road count for very little in bullock cart traffic. Moreover the Jamdhe canal area has been opened up by the link road from Mehunbare to Jamdhe built in 1915-16. Thus the one railway bridge over the Girne takes ell the exports of this area via Dhulia to Bombay and elsewhere which previously had to be taken in carts across the Giina to Chelisgaon.
65. It is doubtful whether at present Group III is in eny way inferior to Group II in communications. It does, however, get less rain and advantages of rainfall cre as a rule more important then those of communication. The Girna
itself formsthe natural boundary of the two groups in the East and North, but on the North-West the area of lesser rainfall extends South of the river and the present boundary of the two groups accurately delimits this area. Pilkhod, and perhaps one or two adjoining villages, are likely to benefit by the completion of the new road from Chalisgaon and will be relieved of the difficulties under which such villages as Nandre to the South-West and Varkhede Khurd to the North-East labour owing to the roughness and indirectness of the cart tracks in the low hills. In view, however, of its lesser rainfall it does not seem advisable to raise Pilkhod to Group II on account of this improvement in communications.
66. The sales and leases in Appendices $\mathbf{G}$ and $\mathbf{H}$ show that the multiples, both sale and lease, in groups II and III are higher than those of Group I, and are so much higher that the Index figures are also higher. The relative advantages of climate have not altered. It has been shown that the communications of Group III have been greatly improved and that this Group has benefitted by the substitution of Dhulia for Chalisgaon as its export market. It would appear that this advantage has more than counterbalanced the inferiority of climate. Less dtton can be raised per acre than in groups I and II, but a better price is obtained. Th communications of groups II have also improved, and it is evident that the few xtra miles of distance from Chalisgoan make little or no difference. The conditions of the first 3 groups are now practically indentical. The fact that the multiples of the two lower groups are even higher than that of Group I is probably due to the more rapid rate of development in these groups. Chalisgaon is a lightly populated taluka of which a large part had not been brought under cultivation 60 years ago and even now large additional areas are coming under cultivation in the outlying villages. Development of this sort extends from the centre and the villeges near head-querters were the first to be fully cultivated. The recent high prices and the stesdy growth of population heve led to a demand for more land, and would-be-cultivators in search of land naturally look to the less fully developed area. Consequently there is more competition in these distant villages and the rates are accordingly high. Exactly how much is due'to this ceuse it is of course not possible to say. The real rental value of land in Chalisgaon cannot be less than that of similar land 10 miles away, but evidently it is not very much higher.
67. The logical conclusion is that the first three groups should have the same maximum rate. The validity of this conclusion is proved by the case of Kunjhar. This village, which adjoins Group III and is neither better nor worse than the a verage of the villages of that Group, has a maximum rate of Rs. 3-3-0 (as opposed to their Rs. 2-8-0) simply because it previously belonged to Bhadgaon Peta. This rate was fixed in 1893. The sale multiple of Kunjhar is 67 , considerably lower than that of Group I, but its rent multiple, viz., $6 \cdot 62$ is practically the same as that of Group I though its maximum rate is 3 annas higher and though in position it belongs to Group III. No village with a rent multiple of $6 \cdot 62$ can be overassessed. If it had remained in Bhadgaon Peta it would probably now have a maximum rate of Rs. 4-4-0. This appears to show conclusively that groups I to III might be combined into a single Group. If there were no such thing as the rule limiting the increase of a Group to 33 per cent. I should propose a single maximum rate of Rs. 5 (if the lowest Index of any village were considered) or of Rs. 9-14-0 if the average Index were taken as the basis. The 33 per cent rule, however, has to be observed. All the groups are seriously underassessed and the only course left open is to retain the three groups and raise the maximum rate of each to the maximum extent allowable, viz., 33 per cent. This course has at any rate, the merit of avoiding the hardship of a sudden increase of assessment in any village. If, on the other hand, the first three groups including Saygaon and Kunjhar are to be amalgamated without exceeding the 33 per cent. limit and at the same time the greatest allowable increase of assessment is to be obtained, the maximum rate will have to be raised to Rs. 3-8-6 which would make a total increase for the new Group thus formed of 32.43. To avoid the introduction of pies the maximum rate might be fixed at Rs. 3-9-0 involving an increase of 34.53 per cent. which is only $1 \cdot 19$ excess of one-third. Rs. $3-8-0$ would be an increase of 30.33 which is 3.00 below the maximum allowable and therefore too low in a taluka where the share of the State is so very much below 50 per cent. On the other hand the slight excess, $1 \cdot 19$,
might well be condoned. Supposing the maximum rate to be fixed at Rs. 3-9-0 the increase in the present groups would be as follows:-

| Present Group. |  |  | Jirait Maximum Rate. | New Group. | Proposed Maximum Rate. | Increase per cent. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | .. |  | Rs. a. p. <br> 3 0  |  | Re. 3. p. |  |
| II | $\cdots$ | $\cdots$ | 2120 |  |  | 29.54 |
| III | . | . | 280 | I | 390 | $42 \cdot 50$ |
| Kunjhar | -. | - | $\begin{array}{lll}3 & 3 & 0\end{array}$ |  |  | 11.68 |
| IV | . | - | 200 |  | 2100 | $82 \cdot 25$ |

68. Group IV, comprising the villages on the plateau above the Ghats has entirely different conditions of soil, climate and communications and would in any case remain a Group apart.
69. Rates.-The forgoing paragraphs have, it is hoped, shown the remarkable increase in prosperity in the taluka. Prices rose steadily up to the war; they then rose rapidly and have in most articles fallen since. The present rate of bajri, the chief grain grown in the taluka, is 125 per cent. above that of $1889-94$. Cotton is more than 3 times the price it was 30 years ago and instead of falling after the war the price has doubled. As cotton is grown for export this rise means a direct increase in the cash return received by the cultivators. The population has grown steadily during the last 30 years, and the cultivated area has increased considerably. Trade, as shown by the number of carts and horses, has increased, and a new railway line from Chalisgaon to Dhulia, which has greatly improved the Dhulia market, has been opened. Very little land is held by non-agriculturists and $4-5$ ths is cultivated by owners. The people are well dressed and well fed, new houses are built and old ones promptly repaired. Land has increased enormously in selling value and the price is still rising. Landlords obtain on an average 7.35 times the assessment as rent. For motasthal they get still more. The assessment so far from being oppressive is now negligible. It has been shown above that the statistics justify an increase of 200 per cent. The reasons for maintaining the 4 existing groups unchanged have been discussed in the previous paragraph. There can be no question of the propriety of raising the maximum rates by the full amount permitted by rule, viz., 33 per cent.
70. I, therefore, propose the following increase in the maximum rates:Jirait maximum rates.

71. There remain only the villages newly added to the taluka :-
(a) Saygaon, which was transferred from Nandgaon Taluka to Chalisgaon Taluka in 1906 was given in 1866 a maximum rate of Rs. 2-8-0. In 1896 it was proposed to reduce this rate at the first revision settlement to Rs. 2-0-0 as it was pointed out by the Survey Commissioner (paragraph 13 on page 73 of the Nandgaon report) that Saygaon was no better situated than the adjoining villages. Government, however, maintained the rate of Rs. 2-8-0 owing to the proved prosperity of the village. The rates were guaranteed for 10 years only, and as Saygaon was transferred at the end of that period to Chalisgaon taluka, the rate was continued until the expiry of the settlement of the rest of the taluka (G. R., R. D. No. 4988, dated 13th May 1916). As Rs. 2-8-0 is the existing rate of the adjoning villages of Chalisgaon taluka there is no need to consider Saygaon separately. Its lease multiple is 6.05 .
(b) Kunjhar, which was transferred from Bhadgaon Peta in 1917, had a maximum rate of Rs. 1-14-0 under the original settlement. This was raised to Rs. 3-3-0 in 1893. The revision settlement expired in 1923 but owing to the transfer the rate for Kunjhar was left unaltered so that the settlement might be revised with the rest of Chalisgaon Taluka. The maximum rate
of the adjoining villages of Parola Taluka was raised from Rs. 3-3-0 to Rs. 4-4-0 in 1923 (R. 7476 dated 12th June 1923) and those of Bhadgaon Peta to Rs. 3-3-0 in 1893 and to Rs. 4-4-0 in 1923 (F. R. No. 7475 dated 16th June 1923). The maximum rate of the adjoining villages of Dhulia Taluka was raised from Rs. 2-8-0 to Rs. 3-5-0 in 1920-21. As it has practically the same rent multiple as Group I ( $6: 62$ ) and as there is no reason to retain its special maximum rate, I propose to include it in Group I with a maximum rate of Rs. 4-0-0.
(c) Kharadi had under the original settlement a maximum rate of Rs. 1-10-0. The village was afforested in 1893, but part of it was disforested in 1912. Revision rates were then introduced in 1915 (G.R., R.D., No. 766 dated 21 st January 1915) and the village was put in Group II with a maximum rate of Rs. 2-12-0. The guarantee of this settlement will expire in 1925-26. The village is uninhabited and the land is similar to that of the adjoining villages in Group II. It should remain in that Group.
72. These rates fit in not unsuitably with the actual rates in the adjoining talukas, viz.:-

Nandgaon Rs. 3-4-0 to Rs. 1-10-0 on the West.
Dhulia Rs. 3-10-0 to Rs. 2-13-0 on the North.
Parola Rs. 3-8-0 to Rs. 3-3-0 on the North-East:
Pachora Rs. 3-3-0 (proposed Rs. 4-4-0) on the East.
Chalisgaon is more favourably situated than Nandgaon and Dhulia but has not the great cotton area of Pachora.
73. The following statement shows the effect of the proposals :-

74. Rates of Government Land in Inam villages.-There is Government land in 4 Inam villages. Of these the land in Pimparkhede, Don and Taloda (near Patharia) should be rated as belonging to Group II to which they naturally belong. Taloda pragane Dhehre lies on the border of Groups II and III, but most of its land is rough, hill country, and by climate and position it belongs to Group III and should therefore be classed with it.
75. Rates of Inam villages.-The Inam villages fall naturally into the groups to which they now belong and should be rated as follows :-

|  |  | Jirait maximum rate. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | By former settlement. By proposed settiement. |  |  |  |  |
|  |  |  | Rs. a. p. |  | Rs. a. p. |  |
| Group No. II | Bangaon | $\cdots$ | 212 |  | 310 | 0 |
| , | Don | . | " |  | " |  |
| " | Hirapur | . | " |  | " |  |
| " | Pimparkhede | - | " |  | " |  |
| " | Rokde | - | " |  | " |  |
| " | Talode tarf Patharje | $\cdots$ | " |  | " |  |
| " | Tambole Budruk | . |  |  |  |  |
| " III | Umbarkhede | . | 28 | 0 | 35 | 0 |
| " | Khedgaon | $\cdots$ | " |  | " |  |
| " | Mahalpur | . | " |  | " |  |
| " | Talode tarf Dehere | . |  |  |  |  |
| ", IV | Banshendre | . | 20 | 0 | 210 | 0 |
| " | Bhokangaon | $\cdots$ | " |  | ; |  |
| " | Hatnur | $\cdots$ | ; |  | " |  |

76. Patasthal.-Besides 3 acres of land at Pohor the only patasthal land in the taluka is that watered by the permanent bandhara on the river Titur just below Chalisgaon. This bandhara irrigates 124 acres 19 gunthas of Government land in Patonda. The Patasthal assessment is Rs. 782-5-0. 26 acres 22 gunthas of Inam land are also under command. Until 1920 the whole of this area was irrigated, but in that year the pat became silted up so that its bed was on a higher level than the water in the river and now no water flows down it although there is sufficient water in the river. The land under control is level and fertile, and part is still under bagait crops where well water can be obtained. Sugarcane used to be grown, but now only dry-crops can be raised in the greater part of the area. The question of whether the water rate should be struck off depends entirely on whether the silt is likely to be cleared from the pat. It is understood that the matter is under consideration. .The cultivators are very anxious that the water rate should be retained and the pat put in order. They are even willing to go on paying the rate provided that the proceeds are spent in repairing the pat. As the proposals made in this report are for 30 years, and as the case of the failure of pat is remediable, I am proposing to retain the patasthal rate on this area. It will, of course, have to be remitted annually until water again flows down the pat. If it is decided that no repairs are to be made, the rate should be struck off permenently. In view of the considerable loss both to the cultivatiors and to Government this would be a great pity. The patasthal was remitted in 1920-21 only but was not refunded.
77. The 2 survey numbers at Pohor assessed to patasthal at the first revision settlement have not been irrigated since 1908. The water rate of Rs. 6 was struck off under Government Resolution, Revenue Department, No. 7042 dated 13th July 1908. There is no sign of the old bandhara and the pat has completely disappeared. None of the old bandharas assessed under the original settlement have been revived. I propose, therefore, that the patasthal at Pohor should be finally struck off. Under the original settlement there was patasthal at VadaleVadali, but even the existence of bandhara has been forgotten now.

No new pats have been constructed in the Taluka.
78. Rates.-It only remains to consider the rate to be imposed in Patonda if the bandhara is put in working order. The present maximum rate for patasthal is Rs. 10.

The following are the only sales and leases of patasthal land :-
Patasthal Sales.
Graup Na

The movement in the sale multiple was as follows :-
Group No.

As the water ceased to flow in 1921 it is not surprising that the multiple decreased, but it is still higher than in 1914-17.

Patasthal Leases.


As the pat bas not flowed since 1920 the lease statistics taken from 1918-19 to 1922-23 are not of very much use for purposes of comparison with the dry crop rent multiple. The keen demand on the part of the cultivators for the restoration of the pat is, however, the strongest proof of the value of the water. Even supposing that patasthal land is not more paying than dry crop land proportionately to its assessment, still the dry crop figures show that the assessment could be doubled without exceeding the limit of 50 per cent. of the rent. It is, however, well known, and the cultivator's demand is a proof, that land irrigated by pat is immensely more valuable than dry crop land in spite of the water rate. There can then be no doubt of the propriety of raising the water rate by the same amount as the dry crop rate. Patasthal is, of course, not governed by the 33 per cent. rule and there is no objection on the ground of limitation to its being doubled, but it seems undesirable to disturb the present balance of dry crop and water rates. I, therefore, propose to raise the patasthal maximum rate to Rs. 13-5-0 or exactly $33 \cdot 125$ per cent.
80. Nothing in the above proposals applies to land assessed for purposes other than agriculture.
81. If the rates proposed above receive the approval of Government I would recommend that they should be sanctioned for the usual period of 30 years. If, however, in view of the very small share of the rent which is now being received by Government, it is considered that the rates should be revised again at an earlier date, I would suggest that the guarantee should be for 20 years only.

Your obedient servant,
C. H. BRISTOW,

Settlement Officer, Satara and East Khandesh Districts.

APPENDIX A.
Rainfall recorded at Chalisgaon Taluka, District East Khandesh.

| Yoar. |  | Larly rbiths flat Apauary toApril). April) |  |  |  | EIOnsoon <br> Kluaris (5tis August). |  |  |  | Late Ralna (22nd Octolet ber). |  | Total. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Fall. | Rainy days. | Fall. | $\left\|\begin{array}{c} \text { Raing } \\ \text { deys. } \end{array}\right\|$ | Mall. | $\left\lvert\, \begin{aligned} & \text { Ratay } \\ & \text { daye. } \end{aligned}\right.$ | Pall | $\left\|\begin{array}{l} \text { Ratuy } \\ \text { da ye. } \end{array}\right\|$ | Fall. | $\left\{\begin{array}{\|} \begin{array}{l} \text { Ralns. } \\ \text { dany. } \end{array} \end{array}\right.$ | Tan. | Rangy |
|  |  | Iuches. | No. | Inctes. | No. | tnches. | No. | Inches. | No. | luchns. | No. | Jacher. | o. |
| 804 . . |  | 20 | 2 | 0 | 0 | 10.82 | 17 | -60 | 17 |  | 5 | 36.23 | ${ }^{4}$ |
| 95 |  | $1 \cdot 50$ | 3 | 0 | 0 | $13 \cdot 38$ | 19 | 7.78 | 16 | $0 \cdot 70$ | 1 | 38.08 | 88 |
| a |  | 0 | 0 | $0 \cdot 59$ | 2 | . 22 | 29 | 31 | 5 | $0 \cdot 11$ | 0 | $38 \cdot 88$ | 86 |
| 1897 .. |  | 0.03 | 0 | 0 | 0 | . 37 | 17 | $15 \cdot 01$ | 20 | 0 | 0 | 26.01 | 87 |
| 8 |  | 0.05 | 0 | 0 | 0 | 14.20 | 24 | 13.05 | 17 | 1.68 | 1 | $28 \cdot 88$ | 42 |
| 9 |  | 0 | 0 | 1.95 | 2 | . 89 | 12 | -83 | 5 | ${ }^{\circ}$ | 0 | $0 \cdot 17$ | 12 |
| 1900 .. | . | $0 \cdot 10$ | 1 | 0 | 0 | 12.74 | 22 | 6.73 | 18 | 0 | 0 | 18.57 | 41 |
| 1 | . | 1.57 | - | 0 | 0 | 46 | 97 | t2. 36 | 17 | - | 0 | $28 \cdot 39$ | 80 |
| 1002 .. |  | 0.25 | 1 | 0 | 0 | 9.98 | 4 | 1.78 | 19 | $4 \cdot 84$ | 10 | $20 \cdot 86$ | 46 |
| 8 |  | $1 \cdot 38$ | 2 | 4.01 | 3 | 10.20 | 22 | $15 \cdot 91$ | ${ }^{17}$ | 0.02 | 0 | $80 \cdot 00$ | 44 |
| 1904 .. |  | $0 \cdot 15$ | 1 | 0.14 | 1 | $9 \cdot 17$ | 17 | 13 -48 | 11 | $0 \cdot 60$ | 2 | 29-6s | 92 |
| 1905 .. |  | 0.20 | 1 | $0 \cdot 00$ | 0 | 8.85 | 16 | 8.12 | 18 | 0.29 | 1 | 17.55 | so |
| 1808 .. | $\cdot$ | 0 | 0 | 0 | 0 | 14.20 | 22 | $8 \cdot 49$ | 18 | $0 \cdot 80$ | 2 | . 58 | 37 |
| 1007 .. |  | 0 | 0 | 3.03 | 4 | $0 \cdot 08$ | ${ }^{23}$ | 1.96 | 7 | 0 | 0 | 14.05 | 34 |
| 88 | $\cdot$ | 42 | 2 | 0 | 0 | 10.45 | 20 | $7 \cdot 60$ | 14 | 0 | 0 | $18 \cdot 47$ | ${ }^{36}$ |
| 1009 .. | - | 0.24 | 2 | 1.35 | 8 | 15-56 | ${ }^{23}$ | 11-27 | 23 | 0.48 | . 2 | $28 \cdot 84$ | 58 |
| 1010 | . | 0 | 0 | 0 | 0 | 15.60 | ${ }^{30}$ | .25 | 20 | 1.85 | 3 | 34.70 | 53 |
| 1911 .. | . | 0.05 | 0 | $0 \cdot 73$ | 2 | 17.18 | 20 | 2.38 | 5 | $4.33^{\prime}$ | ' 5 | $24 \cdot 62$ | 32 |
| 1912 .. |  | 0 | 0 | 0.16 | 1 | $11-24$ | 19 | $2 \cdot 20$ | ${ }^{6}$ | $4 \cdot 68$ | , 2 | 18.15 | 25 |
| 1918 .. | . | 0 | 0 | $0 \cdot 77$ | 2 | -81 | 25 | 4-71 | 10 | 0.14 | 1 | 20.23 | ${ }^{38}$ |
| 1914 .. | . | 0 | 0 | 1.78 | 8 | 14-67 | ${ }^{26}$ | 20.43 | 21 | 1.00 | 1 | 37.88 | 51 |
| 1915 .. | . | 3.50 | 6 | $0 \cdot 28$ | 1 | $12 \cdot 10$ | 22 | 14.00 | ${ }^{20}$ | . 0 | 1 | 30.88 | 50 |
| 1918 .. |  | 0 | 0 | 1.08 | 3 | 17.00 | 26 | 12-88 | 18 | 1.75 | 5 | ${ }^{29} 78$ | 53 |
| 1917 .. |  | 0.17 | 1 | 1.58 | 2 | 9.04 | 18 | 19.35 | ${ }^{36}$ | 0.35 | 1 | 30.69 | 59 |
| 1918 .. |  |  | 0 | 2-76) | 8 | 6.38 | 13 | $3 \cdot 11$ | 10 |  | 1 | 12.66 | 32 |
| 1919 .. |  | $0 \cdot \underline{9}$ | 1 | 1.18 | $\underline{\square}$ | 16-45 | 26 | $13 \cdot 85$ | 16 | 0.50 | - 2 | 27 | 47 |
| 1 |  | $2 \cdot 20$ | 3 | 0.68 | 2 | $8 \cdot 63$ | 17 | 7.00 | 15 | 0 | 0 | 19-12 | 87 |
| 1021 .. |  | 0 | 0 | $0 \cdot 13$ | 1 | 21.26 | 27 | 10.08 | 12 |  | 0 | 31.47 | 40 |
| 1922 .. | - | $0 \cdot 97$ | 2 | $3 \cdot 17$ | 4 | 14.03 | 21 | $12 \cdot 36$ | 17 | $4 \cdot 07$ | 5 | $84 \cdot 10$ | 49 |
| 1928 |  | $0 \cdot 6$ | 3 | -00 | 1 | 16.88 | 20 | $0 \cdot 12$ | 11 | 0 | 0 | $20 \cdot 52$ | ${ }_{5}$ |
| Average |  | $0 \cdot 78$ | 2 | $1 \cdot 31$ | 2 | 13.27 | 21 | 10.51 | 16 | 1.55 | 8 | $26 \cdot 22$ | ${ }^{41}$ |

(Signed) C. H. BRISTOW,
Settlement Officer, Satara and
East Khandesh Districts.

APPENDIX B.
Details of Cultivation and Orops in the Villages of the Chalisgaon Taluka of the East Khandesh Oollectorate.

(Signed) C. H. BRISTOW,
Settlement Officer, C. D.

## Remarks with regard to the character of the season at Chalisgaon, district East Khandesh for the years 1894 to 1923.

1894 :-The total rainfall daring the year wad far above the normal. Anto monsoon rains were absent. The monsonn aot in in the frgt weok of Juna. kasa in this and the following month wase timely and tavowrable and Kharif crops had e good thatt.
 spoiled the standing crops in places bat helped to purih on rabl sowings. Heavy rain agajn in october did further damage to
the Kharif crops though it bene
 Prosperco wer oniticcaunt of sinticient.moisture.
1895 :- Mainfill during the year was sbove the usual quantity. Pre-monsoon pertod wne dry. The monsoon pertod was dry. The Kharit crope. Good ralnin Julyenabled the completlon of Kharif and sonfictent to commence sowings of cotton and other lurther hel ped the Kharif crope and gave a gond start to rabi sowinga in plame. Rain in october was lalr. Robi arope progrosed well. There was practically no rain onwards. The meason on the whole was tair.
1806:--The total fall of the year was above average. Good rain was received in June sid Eharif sowlaga ware completed in many places. Heavy dowaponr of rain in July did mach darnage to the seedilng, which were wathed away in placpas. $A$ break woe urgently desired for resowing and growth of the crops in general. Brenkin ruins in the latter part of August was very useful permittiog resowidgit to be completed, Only gilght ratn ellin septambar whic there wian none in October and the kharis unupered onwards due to entire sbeence of ratn and yielded a poor return. The soason on the whole was poor.
1807 :-The total rifitall of the year was about the normal. Pre-mongoon period was dry. The monsoon opened tumely in Juve, but retarded Kharit sowinge to be completed In August and september the rains were adequate and Kharif crepa continued to thrive. Rabi sowing was also cominenced. Light ratn was received in October. Ifabi crope wanted good showers onwards but non came. The weason on the whole was good for the Kharif and falr for the rabl crops.
1898 :- Rain durlng the yoar was ap to the average. No raln was recelved in the ante monsoon poriod. The sowings were completad only in July when good raln came. The August rain falling with partial breaks was bonencini to the standink K harit cropss. They fourlighod without a check in soppraber, but heavy slowers at the close of the month were injurlous in nany phaces to
the Kharif crops ready for harvest but were ueful for rabl sowinga in October. Uaeful raln occurred in November aud the the Kharif crope ready for harrest but were uef ful for ra
rabl crops fared well. The season on the whole was good.
1890 :-The total fall of the year amounted to one-third of che everagy. Falr showers were revelved in April. The monsoou set in ebout the middie of Juive, but owing to the deedent fall of the munth Kliarif sowings were roatricted to places nf sufficient moet the needs of the crops. A large Kharifarearemainnil nnown for wait of sufficient rain at powing time. Crops aiready own withered away owing to icng breakin rains. Rasin in August findured rabisowings in places bat the very deficient ralue of September and Octobor and tbeir total absence onwarde checked growthevery-where and all rabicrope also dried up except where helped by Irrigation.
1900 :- Anpual raln was only two-thirds of the sverage. 1ro-monsoon perind went totally dry. The monsonn broke out in the secorad weok of June. Tha fall beingsuffcient sowing of Cotton and other Kharif crops was commenced and the seedings doveloped welt umber the falr rains of the following month. Rain in Angust though below average was usefol in places. The fall in
 quevt months wero rainltsg. Rabl souing was considerably checked for want of sufilcient moi
gown sulfered. Che season on the whole was falry good lor the Kharif but poor for rabi crops.
1001 :- Rajn during the year was abont the average. Ante monsoon period was nearty dry. The monsoon broke ont in the second
 helped to push on rabl sowings. Octoher raln was good and Rabt reedilings developed well. There was no raln afterwarde. The seanon on the whole wan tallyly grod, though some dannake from rats and locusts war reported in some places.
1902 :-Rain during the vear was op to the average. Ante monsonn pertind wap dry. The monoron nppned with lichth showers in the sexpod week of June viut the fall belng meagre Kharif sowings were generally commedced about the last weck and were completed only ts July under the favourable rain of the month. Fail in Augut, though mourrate was useful nnd standing cropt flouribhed. September min was ueful and suffcient for maturing Kharit crops. Rabl sowiags were commenced in this month and the seedlings progressed well under the good rain of October. Raing in November and Decembar proved somewhat
injurious to jowar ready for harvost and cotion in bolls, but were ueful for the rabi crops. The season on the whote was mood.
1309 :-The thtal tall of the yenr was sigghtly in exerga of the a verage. Gool rain in May was helpful for the proparalion of the tand.
 suftclent and goasonable for the gtanding crops which throve well. Rabi sowings wero done in september. Oetober rain was good and rabic crops progressed well. There was no rain afterwards. The eteston on the whole was generality gatisfactory.
1 ind :- Main during the year was abont the average. Tha pre-monyoon poriof went dry. The monsoon having commenced late in tho third woek of June general Kharii sowings were comploted in July. In Allgust the fall was light and standing erops whon very heav' rain was recelved. This rain though injurious in places gene rally improved the sttuation to mome extent and also facilitated the preparation of rabs land for cultivation. Octobor rain though uneagre was found up to the requife eanente
 scason was fair.
1005 :- Aggregate fall of the year was minch in defect of the average. Thie monsoon eet in about the gecond week of Juue, but the all yeing insulticient Kharif sowingz were reetricted to moist places only. Rain in July being up to requirements Kharil September raln was agsin jeene ilcial to standing crops. Fu October the ere was no rain and the followiug two monthe wore dry Owing to deffcient supply of moisture in Septeriber aud entire ahsence of rain in the subsequent months the cuitivation of rabi cropa wan consldcrably restricted. The season on the whole was a falriy good kharif but a poor rabl.
1806 :--The total tall of the year was nearly bqual to the average. Pre-monsoon perind was dry. The regular monsoor hroke out in the second week of Jne and atiorded sutficient molstare er Kharif sowing which were noarry completed about the end of the moath, The seedlings throve well under the adnquate rains of juy, and ankuat. Usefil rain was recel vel in septom.
 normal for the rabit though fairly satigfactory for the Kharif crops.
1817 :-Rain dnring the year was less than halt the Aperage. The monsoon broke ont about the gecond week of Jone lut the fall bowinks wore, liowever, com pleted. Tin the hirst fortnight of August sufficlent raln was recetivod and standing crops were much beneilitod. september fall was very scanty and the cropa began to wither. Here clmsed tie season as jractically no raily
 whole was joor. $10 n 8$ :-The aggregate fall of the year war wo-third of the average. Pre-monsoon perlod went totally dry, The monsoon generally thounh bolow ave erage was jast aufficient to conplete sownges. ftanding cropa throve well in Auguat. Good raln was
 curtalled for want of motsture. There was no raln onwards. The geabon on the whole was tairly good for the Kharif but poor for the rabi erops.
$1009:-$ Rain during the yoar was about the average. Sodernte zain wee received in May. Regular monsoon opened in June and Kharif nowings were completed in time. Rains continued satiafactory till september and all crope progressed well. December. The season on the whole was satisfactory for Kharif but ouly fair for the rabl cropm.
1010 :--The total fall of the year was in excess of the average. Pre-monsoon pertod was dry. The moneoon broke ont during the first week of June and sowings wore conpieted by the end of the month. In uly sumicient rain was received. The beedings
 completed. Novelnber rain was useful to de velop rabi ceediligs but was a little bit injuriour to jowar and cotion in placea Decermber was rainless. Rabicrope on the whole progressed well. The eeason on the whole was a good onc.
1911 :-The total fall of the yoar was about the average. The ante monsoon period was dry. The mnngoon ket in early In Jung. The fall at the month was sufficient to start Kharif sowings and the meadingg progressed well, under the coploun rall In July. Rasily

 in December. The season on the whole was only fair for the Kharif and poor lor the rabl crope.
1912 :-Annual rain was considerably below the usaal quantity. In the ante monsoon pertod, there were only a few drops of rain, The monsoon broke out in the latter hali of June nind Klariis sowings were completed in time. The rain in July wes poor: The fall in August, howaver, was up to the requirements and the crope progressed well. There was no ratn in september and
cropa stood hadly in want of it. october rain amounted to one-fourth of an lach only and the cropa serlously suffercd. cropa stood hady in want of it. October rain amounted to one-fourth of an inch only and the cropa seriously sutfercd.
Unexpected and hoavy rainfalin the third week of November though rather too late for the Kharif crote thduced rabl sowing in a vast aras. December was without a drop of raln. The rabi seedings prospered well as tbere was sufficient molature lort in the sott. The soason on the whole was below normal.

1013 :-Rain duriag the year was abnormally low. There was light rain in May. Regular monaoon commenced early In June. The Ind soedings ahowed good dovelopment. Rain in Angust was meagre. Heavy rain in the first week of Soptember howight beneftted the standing crops. There was no raln subsequently. Rabl sowinge were restricted to molst places only. The ceason on the Whote was normal for the Kharif crops but poor for the rabl crops.
1014:-The total rainfinl of the year was considerably above the average. Fair rain was recelved in the anto monsoon pefiod. The monsoon commenced tymely in June and the fall of the month being quite sumplent Kharif sowings Frere completed in time. Rains in July and August wore np to the requiremonts, and crops progressed satiafactorily. Excessive fallin September.proved
tajurious to the standing Kharif crope especially to cotton. kabil sowings were pushed on under the fight rain in October as there was snfficient previous moisture and the seedings de veloped well uuder the favourable rain in Noveniber. December Wus dry. Unfsvourable wind and tho frost later on advertely aflected the growth of the rabl cropa in places and reduced their yioid. The season on the whole was quite normal.
1016 :-The agpregato fall of the year was in excess of the average, Ante monsoon poriod wis dry. The monsoon sety in late in Jnhe shi Kharif rowings were completed only in July. In August the fall was considerably below average and the cropie
showed elgas of distress. September min made uptite deficiency and all crope were progressiug well. Thie ra!n in October was abundalit and Rabt sowing was pushed on and completed. November was dry. Good rain in December wes use fui to the rubl crops whioh grew well without iny hitoh. The season on the whole wis good.
1916 :- Ratn during the year was fn oxcess of the average. Light rain was reveived in inay. The monsoon began early in June and conditions in August allowed the crops to develod. Tho iali in Soptember, though excessive was recelved with intergentre break. The crops, throve well. Rain in October though light wus sufticiont for the crops and tor the rabi nowinge. The tail during the last week in November was benefloial to the ratil scedilugs but it damaged ripe cotton in placcs. December was
dry. The season was as a whole good, dry. The geason was as a whole good.
1917 :-This total fall of the yaar war nbove average. There was good rain in the pre-monaons period. The regular moukoon commenc ed about the beginining oi June and the rain-fall being adequate Kharif sowinga were completed. Raln In July was inade quate hut was just sufficiont to maintain the oropa. The fall in August was below average. Crupe, however, were gepernlly
doing woll. Septomber raln was rather excess ve and break in rains was desired at ond of the mpnth. Ample rain wais recelvod in Octobor. It did some damage to the crops of hajrl and cotton and reduced their yiold. There was practically ne rain in Novembor. Rabi sowings were puathed on and completed in time as the fields were fully saturated with the heavy rains of the two previous months. There was no rals onwards nor was any desired. The season on the whole was good. 1918 :-The aggrevate fall of the year was loss than haif the average. The ante monsoon showerg wero heavy enough for the postponcd. Hain in Juy ras again inadequate and sowinge were completed only where gufficieut moisture was available to very ilght and partial rain of the month. October and Novemiler went practically dry. Kharif cropa, in consequence, ufferel soriously in yield which whe much below the average. Rabl bowing was restricted to favourable situaions only. There was however no rajn for their development. The season on the wiole way poor for both the cropis.
1018 :- Rain during the year was conaiderahly in excess of the average. Fair rain in the pre-monsoon period was useful to prepare aud genornl and enabled the completion of ontion and other kharit sowings. This year preference was given to bair an matures osrly to sapply food and fodder for men and cattle as there was scarcity of both during the previven year. The fall in the two subequent monthis was adequate and bencfolel and standing crops throve well. Septemher rain was excessive with sufficient previous molsture ennbled completion of rabs sowines. Favourable late raine: allowed the rebiccopa to come to matarity which ylelded a gopd rotarn. On the whole the season was very favourable for both the crope.
102\% :-The total rainfall of the year was about two-third of the average. There were some fair showera in the ante monsoon period The monsoon haviag commenod late in the third weok of June, the gowings were completed only in July when good rain occurrod. August fell was much in defect of the average. The crops, however, wers in falr condition but further needed raln ior their development. Septembur rain was sufficient to maintain the cropts The monsoon practlcally came to an end after October giving only a few centa in that month. Kharif crops lacked

- 1981 :-The total fall of the year was much sbove the average. There was no rain in the ante monsoon period. The monsoon started and Anjehed off in time. July and August had also good and well distributed fall. This was very bene flelal to the standivg crops which throve weil. Rinisill in seplember was abundant. It proved benoficial to the standing crops and gave an impetus to rabi sowings which wore earnestly started everywbere. There was no raln from October onwards. As there was sufficient monsture left in the foil by anuple rain is September the rabi crops throve well and gave a sood
retara. The season on the whole was satisfactory.
1922 :- The total rain during the year was considerably in excess of the average. Fair rain was received in the ante monsoon pexicd. generally conipleted during the month. In July the rains were beneflial to the seedings. August rain was scanty and crope were on the point of withering when opportune and beneticial rain came to their rescue in Soptember. This rain though exceissive helped, the Kharil crope and Induced rabl sowings, There was no rain in October. Rabl seedilings however
progressed weil on the strength of provious nolsture. Rainfall in November wish heavy. It was very bencficlal to rabil progressed well on the strength of provious motsture. Rainfall in November wirs heavy. It was very bencficial to rabi crope whloh progreseed well cill they came to maturity. The season on the wholu was good.
1923 :--The total fall if the year was just about the average. Rain in June being inadequate Kbarif eowinks were postponed to July, The tall of this month was excessive but sowings were completed under it. August rains were very defective hat the ample crops and encournged mbi sownge but the total absence of subsequent rains checked the growth of the rabl crops. Ihe geason an the whole was fairly good for the Kharlf cropis, but far below average for the rabi crepa.
(Sd.) HAROLD H. MANN,


## APPENDIX D.

Agricultural Stock of the 128 Government villages in Chalisgaon Taluka, Districd East Khandesh, during the year 1919-20.


## APPENDIX E.

Shops, industries, etc., in the villages of the Chalisgaon Taluka.

| Group No. | Liquor shops. | Hand Industriog. |  |  |  |  |  |  | Mochanical Power. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\underset{\text { Presces. }}{\text { OII }}$ | Cotton Comem | Woollin Looms. | $\begin{gathered} \text { silk } \\ \text { sooms. } \end{gathered}$ | Ging. | Tymber yards. | Cartmeking Ind ustry. | Gine. | Rlee Hasking Machine. | $\begin{aligned} & \text { Cotton } \\ & \text { Pressen. } \end{aligned}$ | Worl thop. | $\begin{gathered} 011 \\ \text { Pr } \end{gathered}$ |
|  | 1 | 2 | 2 | 1 |  | 6 | 8 | 2 | 5 | .. | 6 | 1 | 2 |
| II .. | 5 | - | - | 12 | . | .. | .. | . | 1 | - | - | -. | $\cdots$ |
| III | 8 | 2 | - | 27 | -• | - | - | - | 1 | . | $\cdots$ | $\cdots$ | - |
|  | . | 11 | . | -• | . | . | -• | . | . |  | $\cdots$ | . | . |
|  | 0 | 15 | 2 | 40 | .. | 5 | 5 | 2 | 7 |  | 4 | 1 | 2 |

C. H. BRISTOW,

Settlement Officer,
"Satara and East Khandesh Districts.

## APPENDIX F.

[FORM V. F. 16.]
Wells, Bhudkis, Tanks and other Sources of water supply in the 128 Government villages of the Taluka Chalisgaon for the year 1922-23.


## ABSTRACT OF APPENDIX F.

| Distriot <br> 1 | Details.$2$ | Walls, Bhudkis and the like. |  | Tanks and bandharsa. |  | Other mources. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Palkka, 3 | $\underset{4}{\text { Kacha. }}$ | $\underset{5}{\text { Patka. }}$ | Kaohe. 6 | Pakka. 7 | Kacha. <br> 8 |
| Chaligzann talukn of East Khandesh. | For irrigation .. <br> For drinking supply of human beinga but not for irrigation. <br> For cattle and washing and other purposes, etc. <br> In dienge | $\begin{aligned} & 2,525 \\ & 1,395 \end{aligned}$ | $\begin{array}{r} 265 \\ 73 \end{array}$ | 3 | .. | 31 | 2 |
|  |  |  |  |  |  |  |  |
|  |  | 73 | 32 |  | $2$ | 1 | -• |
|  |  | 240 | 28 |  |  | . | $\ldots$ |
|  | Total .. | 4,233 | 398 | 4 | 2 | 32 | 2 |
|  | Totals recorded at the previous settlements. | 1,808 | 123 | 2 | .. | . | . |
| O. H. BRISTOW, <br> Settlement Officer, Satara and East Khandeeh Districte |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## APPENDIX G.

Selling value of dry-crop lands in villages of Chalisgaon Taluka
during the period of 1914-1924.


APPENDIX G-contd.
Selling value of dry-crop lands in villages of Chalisgaon Taluka during the period of 1914-1924.

C. H. BRISTOW,

Settlement Officer, Central Division.

## APPENDIX ${ }^{1}$.

Sales of Motasthal lands in villages of Chalisgaon Taluka, during the period of 1914-1924.

C. H. BRISTOW,

Settlement Officer, C. D.

## APPENDIX $\mathbf{G}^{2}$.

Sales of land irrigated by canal in the villages of Chalisgaon Taluloc, during the period of 1914-1924.


## 34

## APPENDIX G ${ }^{3}$.

Selling value of patasthal land in the villages of Chalisgaon Taluka, during the period of 1914-1924.


## APPENDIX G4.

Selling value of dry crop lands in inam villages of Chalisgaon Taluka, during the period of 1914-1924.

C. H. BRISTOW,

Settlement Officer, O. D.

## APPENDIX H .

Leases of dry crop lands in villages of Chalisgaon Taluha.

| Serial No. in appendix I . | Name of village. | Number of leases; | Aree of land leased. | Asseasment. | Rent. | Number ot times the assessment represented by the rent. | Index. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | A. g. | Rs. an p. | Re. a. p. |  | Rs. e . |
|  | Group No. I. |  |  |  |  |  |  |
| 1 | Bhoras Khurd .. | 6 | $88 \quad 28$ | $56 \quad 0 \quad 0$ | 53588 | $9 \cdot 66$ |  |
| 2 | Bilakhed .. .. | 7 | 26938 | 174140 | 87600 | $5 \cdot 01$ |  |
| 3 | Chalisgaon $\quad$ - | 43 | 581 | 705120 | 5,541 120 | $7 \cdot 85$ | 1112 |
| 7 | Kodgaon .. | 4 | 100 | 19940 | 1,150 00 | $5 \cdot 77$ | 810 |
| 8 | Kunzar .. | 17 | 29222 | 22420 | 1,484 8 0 | 6.62 | 915 |
| 9 | Ozar | 11 | $160 \quad 30$ | 21370 | 1,144 100 | $5 \cdot 36$ |  |
| 10 | Patkhadki | 12 | $140 \quad 23$ | 22100 | 1,622 00 | 7-34 | 110 |
| 11 | Takli | 10 | 10120 | 17040 | 884120 | 5.19 | 713 |
| 12 | Unhadi | 2 | $20 \quad 8$ | 4170 | 20000 | $4 \cdot 82$ |  |
| 13 | Vaghdu | 13 | 246 | 23640 | 1,377 0 | 5.82 | 812 |
|  | Total | 125 | 1,981 15 | 2,24260 | 14,816 220 | $6 \cdot 61$ | 915 |
|  |  | A | verage rent | per acre :- | 7-89. |  |  |
| 14 | Adgaon | 5 | 5810 | 5) 30 | 40100 | 7.99 |  |
| 15 | Andhari .. | - | $\begin{array}{lll}61 & 27\end{array}$ | 42480 | 257 0 0 | $0 \cdot 08$ | 8 |
| 16 | Bhamre Budruk | 6 | 431 | $\begin{array}{llll}53 & 7 & 0\end{array}$ | 40570 | $7 \cdot 59$ | 107 |
| 18 | Bhoras Budruk | 6 | $61 \quad 37$ | 78150 | 67580 | $8 \cdot 56$ | 1112 |
| 19 | Bodra -. | 33 | 5978 | 46500 | 2,893 00 | 6.22 | 8 |
| 20 | Borkhed Budruk | 13 | 91 | 11690 | 82650 | $7 \cdot 08$ | 912 |
| 22 | Brahmanshevga | 7 | 10021 | 78.80 | 47770 | 6.08 | 8 |
| 23 | Chambhardi Ek. | 4 | 57 | 80.0 | 834150 | $10 \cdot 44$ | 14 |
| 24 | *) Khurd | 13 | 15918 | 25240 | 2,24l 7 0 | $8 \cdot 89$ | 12 |
| 27 | Damrun .. | 9 | 97 31 | 10076 | 1,047 120 | $10 \cdot 13$ | 1315 |
| 28 | Dasegaon .. | 17 | 277 0 | 414130 | 2,710 00 | 6.53 | 90 |
| 33 | Ganeahpur | 13 | 11619 | $159 \times 0$ | 1,113 80 | $6 \cdot 99$ | 910 |
| 34 | Ganpur .- | 15 | 1768 | 17260 | 1,327 0 | $7 \cdot 69$ | 10 |
| 37 | Hatgaon .. | 4 | 4210 | $24 \quad 00$ | $\begin{array}{lll}128 & 0 & 0\end{array}$ | $5 \cdot 33$ | 72 |
| 36 | Hatle - | 19 | 250 | 124 ll 0 | 1,174 100 | 9.42 | 1215 |
| 38 | Hingone .. | 7 | $\begin{array}{ll}29 & 39\end{array}$ | $\begin{array}{lll}47 & 2\end{array}$ | $56313 \quad 0$ | 11.98 | 168 |
| 41 | Javle .. | 7 | 654 | 7788 | 1,072 $10 \quad 0$ | 13.84 |  |
| 42 | Karajgaou | 6 | 8518 | 7488 | 725100 | $9 \cdot 74$ |  |
| 43 | Khadki Budruk | 22 | 29416 | $244 \begin{array}{lll}4 & 0\end{array}$ | $2.353 \quad 000$ | $9 \cdot 63$ |  |
| 48 | Mundkhed | 3 | $25 \quad 2$ | $\begin{array}{lll}49 & 2 & 0\end{array}$ | 36880 | $7 \cdot 50$ |  |
| 52 | Odhre . | 10 | 1731 | 115150 | 719150 | $6 \cdot 21$ |  |
| 53 | Patharje *- | 15 | 258 | 15200 | 1,296 00 | $8 \cdot 33$ |  |
| 55 | Patonde .- | 7 | 91.17 | 11150 | 65440 | $5 \cdot 88$ |  |
| 57 | Pimpalvadmhalsa .. | 5 | $82 \quad 26$ | 63 0 0 | 661100 | $10 \cdot 50$ |  |
| 58 | Pimpri Pragane Chal-.. isgaon. | 16 | 23312 | 25700 | 2,338 00 | $9 \cdot 10$ | 128 |
| 69 | Pimpri Pragane Dehere | 5 | 5810 | 57120 | 444110 | $7 \cdot 70$ |  |
| 61 | Rahipuri .. | 2 | $11 \quad 30$ | 1400 | 8386 | $5 \cdot 96$ | 83 |
| 62 | Ranjangaon | 41 | 51834 | 50740 | 4,311 12 0 | $8 \cdot 50$ | 1111 |
| 85 | Sangyi .. | 14 | 31934 | 328100 | 2,881 00 | $8 \cdot 77$ | 121 |
| 67 | Shindi .- | 15 | 20320 | 19310 | 1,908 12 9 | $8 \cdot 88$ | 139 |
| 68 | Shiraggaon $\quad$ - | 4 | $23 \quad 30$ | 2488 | 20300 | $8 \cdot 29$ | 116 |
| 70 | Takli . ${ }^{\text {a }}$ | 4 | 7036 | 5626 | 738150 | $13 \cdot 16$ | 18 1 |
| 71 | Talegaon .. | 27 | 3158 | 314126 | 4,393120 | $13 \cdot 96$ | 193 |
| 72 | Talvade Budruk | 18 | 26916 | 21610 | 1,400 110 | $6 \cdot 48$ | 815 |
| 76 | Tekrade Khurd | 2 | $10 \quad 20$ | 10130 | 98 150 | $3 \cdot 15$ | 129 |
| 77 | Vadeli-Vadle | 11 | 11125 | 17060 | 1,562 110 | 9-17 | 1210 |
| 81 | Vakadi .. | 8 | 118 | $\begin{array}{llll}71 & 8 & 0\end{array}$ | 47300 | $6 \cdot 61$ | 98 |
| 80 | Vaghli .. .. | 62 | 64 9 | 90740 | 7,12* 80 | $7 \cdot 85$ | 1013 |
|  | Total | 481 | 6,197 2 | 6,276 96 | 52,889 66 | 8.43 | 119 |
|  |  | Average | rent per acre | -8.53. |  |  |  |

## APPENDIX H-continued.


C. H. BRISTOW,

Settlement Officer, C. D.

## APPENDIX $\mathrm{H}^{1}$.

Leases of Motasthal lands in villages of Chalisgaon Taluka.


## APPENDIX H ${ }^{2}$

Leases of land irrigated by canal in the villages of Chalisgaon Taluka.


Settlement Officer, Satara and East Khandesh Districts.

## APPENDIX H3

## Leases of Patasthal lands in villages of Chalisgaon Taluka:


C. H. BRISTOW,

Settlement Officer, Satara and Ezst Khandesh Districts.

## APPENDIX $H^{4}$.

Leases of Dry-crop lands in Inam village of Chalisgaon Taluka.

C. H. BRISTOW,

Settlement Officer, Satara and East Khandesh Districts.

## APPENDIX I.

Prices prevalent in the Chalisgaon Taluka from 1895-1923.

C. H. BRISTOW.

Settlement Officer, Satara and East Khandesh Districts.

APPENDIX K.
Collection of Assessment on Government land in the villages 128 of Chalisgaon Taluka of East Khandesh District.

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## APPENDIX K-contd.


C. H. BRISTOW,

Settlement Officer, Satara and East Khandesh Districts.

APPENDIX L.

Effect of Revision Setlement Proposals on Governm

I.
occupied land, Taluka Chalisgaon, District East Khandesh.

ca 3-19

I.-contd.



L-contd.

c. $3-13$

APPENDIX


L -coned.


Summary of dry-crop rates of Taluka Chalisgaon in the East Khandesh District.


APPENDIX


I-concld.

C. H. BRISTOW,

Settlement Officer, Satara and East Khandesh Districts.

## APPENDIX M.

Showing the population and area of Government unoccupied land taluka Chalisgoon, District East Khandesh.


APPENDIX M-conta.


## APPENDIX M—contd.

| Serial No. in appen dix $L$ | Name of village. | Population. |  | Unoccupied Government and |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Area. |  |
|  |  | of the expiring Setttlement 1891. | the expiring Settlement 1921. | At the beginning of the expiring Settlement 1896-97. | At the end of the expiring Settlement. |
|  | Group No. IV. |  |  | A. g. | A. g. |
| 117 | Chapaner .. .. | 1,109 | 1,033 | 15519 |  |
| 118 | Chikhalthan .. .. | 1,648 | 1,838 | 17310 | 12632 |
| 119 | Jalgaon -. | 346 | 267 | .... |  |
| 120 | Jamdi, Pragane Kannad | 41 | 493 | $33 \quad 34$ | .... |
| 121 | Junone .. | 74 | 102 | 327 | 156 |
| 122 | Malcrandpur .. | 79 | 146 | .... | .... |
| 123 | Maipur .. | .... | .... 103 |  | .... |
| 124 | Narsipur .- |  | 103 | 53313 | .... |
| 125 | Palasgaon .. . .. | 32 | 39 | .... | $\ldots$ |
| 126 | Raj Dehere .. .. | 126 | 130 |  | 67212 |
| 127 | Vithalpur .- ... | 61 | 72 | 11538 |  |
|  | Vadali, Pragane Kannad .. | 265 | 1,884 | 1684 | 15819 |
|  | Total .. | 3,779 | 6,107 | 1,183 25 | * 1,175 31 |
|  | Grand total .. | 67,166 | 86,5*8 | 16,184 35 | 8,778 20 |

C. H. BRISTOW,

Settlement Officer, Satara and East Khandesh Districts.

No. S.R.V. -37 of 1925.
From
J. F. B. HARTSHORNE, Esq., I.C.S., Collector of East Khandesh ;

To
The SETTLEMENT COMMISSIONER,

Poona.<br>Camp Jamdha, 12th April 1925.

Sir,
I have the honour to forward Mr. Bristow's proposals for the second Revision Settlement of the Chalisgaon Taluka of this district.
2. Mr. Bristow's results appear to be carefully worked out and convincing. There can be no doubt that the maxima increases in rates admissible under the existing rates are justified and can easily be borne. It is proved especially by the figures of leases and sales of dry crop land that the increases up to the full $33 \frac{1}{3}$ per cent. would bring the assessment to a level far below the accepted maximum of the state demand.
3. I agree with the 4 groups proposed. It would of course have been more systematic and more in accord with the existing conditions as shown in the report, to have formed 2 groups only, consisting of old groups I to III inclusive and of old group IV. But to do this would entail a needless sacrifice of revenue, arising from the comparatively small percentage increase that would be given to old groups $I$ and II in order to bring them into line with old group III as discussed in paragraph 67 of the report. The formation of 2 groups only cannot therefore be recommended, but the existing 4 groups should each have their maximum rate enhanced separately. The groups as proposed appear to be proper and can be accepted, including the proposed grouping of Saygaon, Kunzar and Kharadi. The grouping of the inam villages into the respective groups proposed for each appears to be proper.
4. If it be accepted that the full admissible 33.33 per cent. enhancement should be imposed on all of the 4 groups, then it is not clear why the full increase up to the nearest pie should not be imposed upon groups II, III and IV. The pies would presumably appear only in the Jantris for calculating the revised assessment, and not in the actual result of the assessment calculated upon each survey number, since these results would be subjected to the usual Dharchod. The difference is of course small on paper, and would be small as regards each individual occupant paying it, but when totalled up for every survey number in the Taluka would it is thought come to an appreciable sum, which it is unnecessary for Government to forego in view of the need of funds, and of the very moderate nature of the revised demand. Government have in R. 7476 dated 12th June 1923 sanctioned odd amounts containing pies in the maximum rate. Thus it would be possible, for group II, to sanction a rate of Rs. 3-10-6 instead of Rs. 3-10-0 as proposed. This would mean an increase of 32.95 per cent. which would still fall within the 33.33 per cent. limit. Similarly group III could be raised to Rs. 2-8-6 instead of Rs. 2-8-0 as proposed. This would mean an enhancement of $33 \cdot 75$ per cent. which exceeds the permissible limit by a negligible amount. For Group IV, the adoption of Rs. 2-10-6 instead of Rs. 2-10-0 as proposed would mean an enhancement of 32-81 per cent. which is still within the permissible limit.
5. The Patasthal rate has little importance, since it seems doubtful whether any pats will continue working at all during the second revision period. The case of Patonda the sole surviving patasthal village is under consideration. My predecessor considered that the people were themselves to blame for not clearing their pats, and there is no doubt that they were partly responsible for the failure in that they took no steps by themselves or by their patkaris to clear the silt in the pat and to get the bandhara area dug out near Chalisgaon. The construction of a low level crossing for the Dhulia-Aurangabad road instead of a proper bridge over the river Titur at Chalisgaon seems also to have played some part in spoiling the bandhara area. Be that as it may, the proposed increase in the patasthal rate pari passu
ca3-15
with the dry crop rate as explained and justified in Mr. Bristow's paragraphs 78 and 79 can be provisionally accepted. (Note.-Numbering of paragraph 79 appears to have been overlooked and may be corrected in printing.)
6. Cultivable land is in keen demand throughout the Taluka. The report shows that there has been a remarkable increase in the prosperity of the Taluka, and that the increases now proposed are fully justified.

I have the honour to be,
Sir,
Your most obedient servant,
J. F. B. HARTSHORNE,

Collector of East Khandesh.

# Below letter No. S. R. V.-37 dated 12th April 1925, from the Collector of East Khandesh. 

No. S. T.-425.

Poona, 16th December 1925.
Forwarded with compliments to the Commissioner, Central Division.
2. This taluka, like Khandesh generally, is greatly under-assessed. It is unnecessary to repeat or amplify the arguments of Mr. Bristow on this head. What is established is that the existing-rates might be doubled and still the assessments would not approach the permissible limit of half the rental value and would fall far short of the pitch of assessment in parts of Gujarat. There is thus no doubt that the maximum permissible increase of 33 per cent. must be taken and the only question is how it is to be taken. The Settlement Officer has shown that an amalgamation of the first 3 existing groups would produce a greater equality in pitch of assessment than exists at present under three different maximum rates. It appears from the statistics of sales and leases and from other considerations that groups II and III ought to be put on a level with group I. The Collector, in his paragraph 3, states that this amalgamation cannot be recommended because "to do this would entail a needless sacrifice of revenue ". The Settlement Officer (his paragraph 67) appears to have had a similar idea. He says that, if the first three groups are to be amalgamated " and at the same time the greatest allowable increase of assessment is to be obtained, the maximum rate will have to be raised to Rs. 3-8-6, which would make a total increase for the new group thus formed of 32.43 per cent." This would mean a sacrifice of about Rs. 2,000 per annum as compared with the permissible and thoroughly justified increase of 33.3 per cent. But it is quite unnecessary to incur this sacrifice. The Settlement Officer states that a common maximum rate of Rs. $3-9-0$ would produce an increase of 34.53 per cent. As a matter of fact it would not. This estimated increase is calculated simply by rule of three. But in calculating the new assessments we calculate on the basis of an increase of so many annas and integral quarter annas in the rupee-the increase in fact is published and calculated to the nearest quarter anna per rupee of assessment. Thus an amount up to $1 \frac{1}{2}$ pies recurring income per rupee of assessment may be lost for a group-and on the other hand it may be gained. But, in any case, if a maximum rate of Rs. $3-8-6$ will yield too small an increase and one of Rs. $3-9-0$ too much, it is perfectly easy to find out the maximum rate between these two which will yield the closer feasible approximation to an increase of 33.3 per cent. Consequently there certainly need not be any loss in revenue.

If Government do not object to a slight excess over the $33 \cdot 3$ per cent. limit, then the maximum rate of Rs. 3-9-0 might be adopted. I have not worked out what the actual excess would be.
3. I have no positive objection to the amalgamation of the three highest groups, but I do not recommend it. If it is carried out the $33 \cdot 3$ per cent. rule will of course prevent us raising the assessments of existing groups I and II by even $33 \cdot 3$ per cent. In fact the assessments in group I will not be raised by even 18 per cent. ; which is preposterous. If the rate of each group is raised by 33.3 per cent., then as it cannot by any possibility be contended that the assessments in group I are too high, the existence of a still lower pitch of assessment in groups II and III could at any time only be an argument for raising the assessments in these groups. I do not think it is advisable in any way to cover up the absurdities produced by the rule. The higher the pitch of assessment that can be secured in any part of Khandesh the better, so long as the assessment is in itself obviously low, as it can only accentuate the absurd lowness of other rates in the same region. Moreover, more often than not Government have adopted the plan of leaving existing groups unaltered when it was evident that each could easily bear the maximum increase of 33.3 per cent. Also, as pointed out by the Settlement Officer, "this course has at any rate the merit of avoiding the hardship of a sudden increase of assessment in any village".
ca 3-16
4. So I support the Settlement Officer's proposal to retain the existing four groups. He proposes maximum rates, however, from which pies are eliminated, with the result that he sacrifices about Rs. 3,000 per annum of revenue needlessly. He proposes to take an increase of Rs. 69,000 instead of about Rs. 72,000-a big difference-simply to prevent pies appearing in the maximum rates-for there is no other advantage. With this I cannot agree.

The Collector proposes maximum rates in which half annas appear. They secure the full increase. In fact they secure slightly more. For instance, the rate of Rs. 3-5-6 when expressed as an increase to the nearest quarter anna per rupee (which is how the new assessments are expressed and worked out-vide page 425 of the Survey and Settlement Manual) means an increase of 5 annas 6 pies per rupee, or $34-37$ per cent. On the other hand in other groups the increase would be a shade less than $33 \cdot 3$ per cent., so that the total increase for the taluka is brought very close to the prescribed limit. To this I do not think any objection need be taken.
5. But the obvious course, and the one I recommend, is to increase each maximum rate by one-third. The new maximum rates will then be Rs. 4, Rs. 3-10-8, Rs. $3-5-4$ and Rs. 2-10-8. There is no advantage in a maximum rate of Rs. 3-5-6 as compared with Rs. 3-5-4. Indeed the exact increase of one-third involved by the latter is obviously very easy for all concerned to deal with.
6. Here I may mention a detail of settlement procedure which, I think requires alteration. I have mentioned above that under existing orders the increases are expressed and calculated to the nearest quarter anna per rupee of the existing assessment. This appears satisfactory enough for Government, because though Government loses a little in one group it gains in another, and on the whole the losses and gains will balance. But in fact the $33 \cdot 3$ per cent. limit brings it about that there is a considerable loss to Government on the whole. For this limit comes into operation over and over again. The result is that whenever it operates Government do not get an increase of one-third or 5 annas 4 pies in every rupee of the assessment, but an increase of only 5 annas 3 pies. Consequently in every such case Government loses an annual income of one pie in every rupee of the existing assessment. In the aggregate this becomes worth considering. For this taluka alone it means a loss of over Rs. 1,100 per annum. Now there is no need to incur this loss. All that is necessary is to direct that, when the increase is $33 \cdot 3$ per cent. in the maximum rate or 5 annas 4 pies in the rupee, it should be calculated and expressed at that rate and not to the nearest quarter anna. This will prevent a loss of a good many thousands of rupees per annum to Government. It involves no injustice to the rayat, but merely remedies an injustice to the public revenues.
7. In his discussion of grouping Mr. Bristow suggests some reasons why the profits of cultivation should be as high in groups II and III as in group I. In the absence of reliable sale and lease statistics I much doubt whether these reasons would have been accepted as cogent. I think the three groups would still have been kept distinct. But- the reliable sale and lease statistics enable us to gauge with accuracy on which side the balance of argument lies. To the reasons he suggests, I may add another. It is certainly orthodox that the villages immediately contignous to Chalisgaon should form the highest group; but it is possible that the value of such contiguity has often been over-estimated; since labour is generally dearer in such villages than in others more remote, and on the other hand it matters little to the caltivator whether he has to sit in his cart for 3 or for 5 times 3 miles in going to market and probably does not affect his profits at all. On the other hand it is just possible that, after the extension of cultivation in the taluka has come to an end, and a state of equilibrium is reached, even the sale and rent statistics will justify the three separate groups, for the land in groups II and III which has recently been reclaimed from waste is no doubt yielding exceptionally good crops just now.

## 8. The dry-crop rates determine the assessment of motasthal.

9. In paragraph 79 the Settlement Officer has proposed an increase of 33 per cent. on patasthol land; a proposal with which I agree, though not for the reasons advanced by the Settlement Officer.

He points out that there is no objection on the ground of limitation of enhancement to the water-rate of patasthal being doubled, and continues "but it seems undesirable to disturb the present balance of dry-crop and water-rates. I therefore propose to raise the patasthal maximum rate .... exactly $33 \cdot 125$ per ceut.". If the water assessment might in fact be doubled, I should regard the disturbanoe of the balance referred to as an extremely poor reason for sacrificing the public revenue by not doubling it

The sale and lease statistics superficially justify a doubling of the total assessment. But they are somewhat meagre, and I am not sure that land aided by wells is not included in them. In his report on the Karad taluka Mr. Bristow has included such land in his statistics and the same may be the case here. A well adds little or nothing to the assessment, but it adds greatly to the sale price and letting value. I obtained from the Mamlatdar statistics for land not aided by wells, but they turned out to be useless owing doubtless to un-economic transactions not having been sifted out a process which I did not ask the Mamlatdar to undertake. The multiple for rents was actually double that given in appendix H of the report.

However, the water-rates for perennial irrigation under the works in this district which are administered by the Public Works Department are

| Mhaswa Tank | .. | Rs. <br> Hartala Tank |
| :--- | :---: | ---: |
| Jama Canals | $\cdots$ | 10 |

with rates of Rs. 12 and Rs. 16 under these tanks and canals respectively for sugarcane and pan gardens. These rates have remained practically stationary since 1913, though they have come under review about every 3 years. In comparison with these figures a combined rate of Rs. $13-5-4$ seems sufficientily high. On soil of 16 annas value the soil share of assessment will be Rs. 3-10-8; leaving Rs. $9-10-8$ for water. There are obvious reasons why a consolidated water-rate should be lower than an irrigation rate paid only when water is taken and in proportion to the water taken. On the other hand the fact that the consolidated rate is fixed for 30 years must be considered.

On the whole I recommend an increase of 5 amass 4 pies in the rupee of consolidated assessment.
10. The bandhara at Patonda is a "second class irrigation work" notified under part X of the Irrigation Act. It is in charge of the Pablic Works Department for repairs and is administered by the Revenue Department. Both under the law and according to ancient custom-as is quite clear from the survey recordsthe responsibility for keeping the put clear of silt is on the occupants. It is unfortunate that the discharge of this responsibility has not been enforced in the manner provided by the law. Had it been, it would have been possible to say whether or not, as alleged by the occupants; the water-supply has failed for quite other reasons than the silting of the pat. "It is alleged "the Collector informs me "that the supply of water has become less owing to the construction of the low level causeway with insufficient openings across the Titur river at a short distance above the bandhara. ...... It is also alleged that the supply has been diminished owing to the taking out of water by the G. I. P. Railway Co. at Warthan bandhara. ...... It is found on inspection that the (Patonda) bandhara has become badly silted up". As matters stand the questions how far these causes have operated in stopping the supply of water and whether repairs ought to be undertaken have been referred to the Public Works Department.

The matter will be disposed of separately. Meanwhile there is no reason why the revised patasthal rates should not be determined. Nor is there any reason why the proceeds of the rate, when it is levied, should be spent by Government on repairing the pat. The annual cost of repairs (estimated at Rs. 200 in 1891) is duly entered in the survey records, and was taken into account in fixing the assessments on the various survey numbers concerned. Apart from that the responsibility for these repairs lies on the occupants under the law, and if this responsibility had been enforced it is highly probable that the remissions would have been considerably less than have been granted. In itself the silting of the pat, so long as water is available, is no reason at all for the grant of remissions.

I need hardly add that though the rate of Rs. 13-5-4 is sanctioned, there will be no land actually paying this rate, which would in any case only be fixed on soil of 16 annas value with a water-supply of the first class. As a matter of fact the water-supply on this work is at best of the second class. The average consolidated assessment per acre under the existing maximum rate of Rs. 10 is Re. 8-6-11.
11. For the 3 villages newly added to the taluka, the Settlement Officer proposes rates in his paragraph 71. I agree with those for Saygaon and Kharadi.

As regards Kunjhar, I think the rate should be Rs. 4-4-0. The Settlement Officer proposes Rs. 4. Now this proposal of a rate of Rs. 4 in a village adjoining villages of group III and far removed from group I is obviously anomalous, and in fact the whole proposed settlement is anomalous. Consequently I see no point in not going the whole length and increasing the assessments in this village by the usual amount of one-third. I do not think it advisable to reply on sale and lease statistics of individual villages ; but it is quite clear otherwise that a rate of Rs. 4-4-0 in this village is not excessive. It adjoins villages in Parola taluka and Bhadgaon Petha in which the rate was raised from Rs. 3-3-0 to Rs. 4-4-0 and would have been raised higher but for the 33 per cent. rule. It adjoins villages in this taluka in which a rate of Rs. 5 would be moderate. It is true the pitch of assessment will be higher in this village than in other similarly situated villages in the taluka; but the same would be true in only slightly less degree under the rate of Rs. 4; and in -my opinion (vide paragraph 3) there is no ground in this taluka for sacrificing a pie of the public dues in order to avoid these anomalies.
12. I agree with the proposals in paragraphs 74 and 75 of the report regarding rates for Government land in inam villages and for inam villages.
13. The report is compiled with Mr. Bristow's usual ability. Paragraphs 13 to 18 are particularly interesting, and yield valuable information regarding economic conditions in the taluka based on indisputable figures. It is noteworthy that, in the four selected villages, out of 254 persons interested in the land as occupants or tenants, only 18 are tenants only, the other 236 being all occupants. The occupant "who neither works himself nor employs his family, but cultivates by means of hired labour is practically unknown. ....... Most of the land is cultivated by those who own it, and all those who cultivate (whether occupants or tenants)' work in person and with their families. ......The bulk of the land is in holdings of 25 to 100 acres. The large size of holdings and the absence of minute subdivision and fragmentation point to a far sounder economic position than is usual in the Deccan".

This method of analysis is one which ought to be developed.
14. The settlement will presumably be guaranteed for the usual period of 30 years. My own view is that settlements should be for short periods ( 10 years) the maximum permissible increase on a holding being limited to, say, one anna nine pies per rupee. Thus assessment of Rs. 24 on a holding could not be increased by more than Rs. 2-10-0. But it is, of course, useless to advocate this.
A. W. W. MACKIE,

Acting Settlement Commissioner and Director of Land Records.

# (Below No. S. T. 425, dated 16th December 1925, from the Settlement Commissioner and Director of Land Records.) 

No. L. N. D./E. K. 2-64.

Camp Chalisgaon, 19th January 1926.
Submitted to Government.
2. A perusal of these papers shows plainly that in restricting enhancements to $331 / 3$ per cent. and guaranteeing settlements for 30 years Government are more than generous to the holders of land in tracts such as Chalisgaon, and less than just to the general tax-payer and to land holders in other parts of the Presidency. A low 'mamul' assessment and the increased cultivation of cotton in East Khandesh are mainly responsible for the present position.

There is no room for discussion in regard to the proposals for revision; the only thing that is possible is to take the maximum enhancement of $33 \cdot 3$ per cent. in each of the existing groups, as proposed by the Settlement Commissioner. As suggested by Mr. Mackie in paragraph 6 of his note, the calculation should be made at the rate of $33 \cdot 3$ per cent., and not at the nearest quarter anna.
3. I agree to the Settlement Officer's proposals for the small patasthal area.
4. As regards Kunjhar, one of the three villages added to the Taluka since the original settlement, I concur with the Settlement Commissioner that the maximum rate should be Rs. 4-4-0.
5. I agree with the other proposals in the report ; and I would add that in my opinion Mr. Bristow has earned the thanks of Government for his careful and thorough report: his paragraphs 13 to 18 are particularly interesting.
6. During the few days $I$ have been in càmp at Chalisgaon two matters have come to my notice, one indicating the great prosperity of this tract, the other the large profits that'are made by agriculturists here. In 1922 the new. Ginning, Pressing and Manufacturing Company, Limited, was floated at Chalisgaon with a capital of 20 lakhs. The whole of the money was subscribed within tbree months by persons resident in this neighbourhood ; mostly in the Chalisgaon taluka, paitly in Pachora and Bhadgaon.
7. I would add that Chalisgaon is the only taluka in East Khandesh in which the Second Revision Settlement remains to be introduced. Until the revised rates now proposed are introduced the land holders in this favoured tract will continue to pay assessment at three-quarters of the rate paid by their neighbours.

G. W. HATCH,<br>Commissioner, C. D.

# GOVERNMENT of BOMBAY. 

# Revenue Department. 

Resolution No. 5704/24.
Bombay Castle, 6th July 1926.
Memorandum from the Commissioner, Central Division, No. L. N. D. E. K.-2/64 dated 19th January 1926 -Submitting, with his remarks, the papers specified below*, containing proposals for the second revision settlement of the Chalisgaon Taluka of the East Khandesh District.

> *Letter from Mr. C. H. Bristow, I.C.S., Settlement Officer, Satara and East Khandesh Districts, No. S.R.V.- 367 dated 26 th March 1925 .
> Letter from the Collector of East Khandesh No. S.R.V.- 37 dated 12 th_April 1925.
> Memorandum from the Settlement Commissioner and Director of Land Records No.S.T.- 425 dated 16th December 1925.

Resolutron.-These papers contain proposals for the revision settlement of 128 Government villages and 14 inam villages of the Chalisgaon Taluka of the East Khandesh District.
2. The grounds on which the settlement officer has proposed an increase in the existing rates are succinctly summarised in paragraph 69 of his report.
3. The grouping proposed by the settlement officer is approved, subject to the modification that. the village of Kunjhar should be excluded from group I.
4. The following maximum dry-crop rates proposed by the Settlement Commissioner and Director of Land Records are sanctioned :-

| Group. |  |  |  |  | a. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| I | .. | . |  |  | 0 | 0 |
| II | .. | . |  |  | 10 | 8 |
| III | . | $\cdots$ |  | 3 | 5 | 4 |
| IV |  |  |  |  | 10 | 8 |

. The special maximum rate of Rs. $4-4$ per acre for Kunjhar, proposed by him, is also sanctioned.
5. The settlement officer's proposals for patasthal lands, for Government lands in inam villages and for inam villages are sanctioned subject to the modification that the maximum rates for the inam villages and for Government lands in them, in the different groups should follow the rates sanctioned for the Government villages for those groups.-
6. The revised rates should be introduced during the current revenue year 1925-26, levied from the revenue year 1926-27, and guaranteed for a period of thirty years.
7. Mr. Bristow should be commended for his lucid and interesting report.

By order of the Governor in Council,

## A. S. V. ACOTT, <br> Acting Deputy Secretary to Government.

$$
[P . T . O
$$

*The Commissioner, Central Division, *The Collector of East Khandesh, *The Commissioner of Settlements, *The Accountant General,
*The Finance Department,
*The Public Works Department, The Government of India (by letter).
C. H. Bristow, Esquire, I.C.S.
*With an intimation that the papers are being printed in the form of selections from the records of Government and that when they are ready the usual number of copies will be supplied to them.


## APPENDIX L

occupied land, Taluka Chalisgaon, District East Khandesh


REVISED


## APPENDIX L-continued




APPENDIX L-continued


REVISED


APPENDIX L-continusd


REVISED


## IPPENDIX L-concluded.


D. S. MODAK,

Superintendent of Land Records, C. D.

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# Vaijapur, Chopda Taluka, 26th Decomber 1917. 

## From

J. ABBOTT, Esq., I.C.S., Assistant Settlement Officer, Khandesh;

To
The SETTLEMENT COMMISSIONER, Poona.

Sir,
I have the honour to submit herewith proposals for a Revision Settlement of the Shirpur taluka, West Khandesh, which will in the case of 103 villages be the second Revision Settlement.
2. There are 163 villages in this taluka, of which 43 are in forest limits; there are no inam villages: my report accordingly deals with 120 Government villages. The current settlement of these villages was introduced in the years and under the authority quoted below and was guaranteed up to the revenue year 1917-1918:-


Pobition and Physical Features.
3. The main portion of the taluka consists of a plain which rises slightly and evenly from the bank of the river Tapti on the south to the low hills of the Satpuras in the centre of the taluka. North of these hills lies an irregular valley on a higher level, running parallel to the plain and broken up by forest, whilst the Bombay-Agra trunk road breaks through the hills in a northerly direction, the geographical causes that determine its direction giving rise to a belt of culturable land running from the lower plain to the northern boundary of the taluka where it adjoins the Indore State.

The revenue villages of the taluka are thus situated in three well-defined areas, but these have one characteristic in common, for all are marked by considerable variations in the nature of their soil. The southern plain is crossed by streams, many and sundry, making their way to the Tapti; but. their beds are not deep as are the beds of the streams in the adjoining talukas of Shahada and Chopda; within the forest too cultivated tracts represent chosen sites, and yet an inspection of appendix $I$ will show that only about 62 per cent of the maximum possible revenue of the taluka at the existing rates is actually recovered, the average assessment of even the most favoured group of villages being but 66 per cent of the maximum. The taluka compares, therefore, in this respect very unfavourably with the' other north Tapti talukas of West Khandesh wherein the percentage of the maximum assessment actually collected under our soil classification system is as follows:-Taloda 85 per cent, Shahada 77 per cent.
4. Boundaries. These have not changed since the introduction of the present settlement. The northern boundary; co-terminous with the Indore State, was settled in 1865, and the eastern boundary consisting of the Aner river in 1885. A slight re-adjustment of the taluka limits in the east I have proposed further on.
5. Soil.-As was remarked in the Settlement Report of 1896 the prevailing soil in the taluka is a rich black loam. It is naturally deepest a way from the hills, and proximity to the hills is synonymous with a lower classification of soil.

H 102 -1
. Wor is this habitüal'deterioratibn a phenomenon of the southern plain only, for' :
 is appreciably richer than that of those in group III, and a study of the. average assessments of these groups' reveals the somewhat surprising fact that even with lower maximum rates the villages of groups IV and $V$. pay a higher average of assessment than do those of the third group, and that those of group $V$ contribute more in this way than do those of group IV.

## Climate and Rainfall.

". 6. The notes appended to appendix A will explain sufficiently clearly the - nature of the rainfall. It remains only to add that the figures given therein are the figares recorded at Shirpur itself, and hardly represent the fall either in the villages along the hills north of the taluka town or in those within the

- forest where the rainfall is appreciably greater.

This same division between the villages in the main plain and those in the forest is repeated in a consideration of the climate, for the ordinary sequence of two hot months of great heat in April and May, following upon a malarious - cold weather, is modified to this extent in the forest that the heat is. less and the malaria more. As a whole, the taluka is one of the pleasantest in Khandesh : -qne of the least malarious in the cold weather and, excluding the exceptional -talukas in the extreme west of Khandesh, perhaps the least oppressive in the $\because$ bot weather.

## Crops And Cultivation.

7. In 1896 Mr . Fforde wrote, with reference to the first three groups of the taluka, that cotton formed 38.9 per cent of the entire cultivation, and jowari and bajri together 38.7 per cent. The percentage of the latter crops is still much the same, being now 33.99 per cent, but the percentage of cotton has risen to 49.87 per cent, and this crop is therefore the principal crop in the taluka. The following table, giving quinquennial averages of the area under various crops since 1899, will explain the changes that have occurred in the preference for particular crops :-

| Year. | Cotton. | Wheat. | Bajxi. |
| :---: | :---: | :---: | :---: |
|  | Acres. | Rs. | Rs. |
| 1899-1902 | 43,288 | 2,701 | 29,884 |
| 1903-1907 | 45,909 | 8,052 | 40,116 |
| 1908-1912 | 57,253 | 4,209 | 34,520 |
| 1913-1917 | 60,221 | 8,046 | 38,093 |

And this second table will illustrate, as do the figures given above of wheat cultivation, the great fluctuations in the area under rabi cultivation :-

8. Cotton is generally sown in rotation with other crops, but occasionally in the same field continuously; a high percentage of the entire cultivation is maintained by the cotton crop in all groups. Of this cotton about 25 per cent is of long-staple variety; some of the N. R. (neglectum roseum) variety is cultivated but the major part of the crop is of the Varhadi type. The Shirpur cotton has not attained the reputation acquired by the cotton of some talukas

- in East Khandesh for good colour and bulkiness, nor is its seed on this account a desired import to other talukas.

9. The oil-seed crop, which in West Khandesh appears to vary directly with the proportion of the population that is Bhil, is for the most part exported from the taluka, leaving the local oil presses with barely sufficient material to satisfy the needs of the taluka town. About ten years ago local enterprise
raiseda factory for the manufacture of oil-cake, and for some five, years Shirs; . pur was indirectly in commercial relationship, withr England, but the enterprise then failed. Five species of jowari are grown-Nirmali, Guri, Satpani, Dadar "end Ramkhol-of which the last yields the greatest outturn but is dependent for maturity upon a heavier fall of rain than suffices for the other varieties. $\cdots$. The pripcipal kind of wheat grown is banshi, a name that applies in this taluka, as in general in the Khandesh districts, to a distinct species of wheat, though in Taloda taluka the agriculturists give it to a rich well-ooloured product of any-- seed of wheat. Where motasthal irrigation is possible another type of whéat (mondhe) is usually grown. Rice cultivation is a negligible quantity; san is grown by the Bhils in the forest.; gram and ambadi by all castes.
10. . Manuring is generally done once in three years. Annual ploughing in the case of all crops has ceased to be customary, and a habit, contagious perhaps from cotton cultivation, has arisen of using a bullock-drawn hoe instéad of a plough.
11. There is no real fallow system in the taluka but the area of fallow is quite considerable and in some of the lower groups a large percentage of the, occupied land. In all groups this fallow represents to spme extent broken and hilly ground, in group I largely along the Tapti-which it is hard to cultivate; in groups IV and $V$ it represents often land kept unoultivated by Kunbi and Gujar landlords of the plain who find the surroundings of the jungle too inimical to their residential ideas, but retained as an annual grazing ground and a reserve in years of famine. The clearest instance of faflow due to such a cause is the fallow land of Boradi, where out of a total area of 1,694 acres of occupied land 1,431.acres are held by Kunbis and Gujars whose villages are near the Tapti.

Compared with other North-Tapti talukas the taluka percentage of fallow. is high:-

| Taluka. |  | $\ldots$ | Peroentage of fallow. |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Taloda | $\ldots$ |  | $\ldots$ | 6884 per cent |  |
| Shahada | $\ldots$ | $\ldots$. | 4.28 | $\#$ |  |
| Shirpur | $\ldots$ | $\ldots$ | 9.29 | $\#$ |  |

But this high percentage is oaused by the fallow in the existing groups IV and $V$; the main plain of the taluka shows a percentage of only 1.59 per cent in fallow as compared with 1.70 per cent in Shahada taluka and 4.56 per cent in Taloda taluka in the highest group of those talukas.
12. Agriculturists and Non-agriculturists.-The agriculturist percentage of the population is 72.6 per cent. - Of the area held by agriculturists and non-agriculturists respectively I have not been able to obtain figures for any yeard before 1912; from that date the following represents the average of occupied land in the possession of these classes :-

| Year. |  | Area held by agriculturists. | Area held by non-agriculturists. |
| :---: | :---: | :---: | :---: |
|  |  | Acres. | Acres. |
| 1918-1919 | $\ldots$ | 109,761 | 30,308 |
| 1918-1914 | ... | 108,843 | 29,798 |
| 1914-1915 | ... | 104,009 | 30,476 |
| 1915-1916 | ... | 104,978 | 29,201 |
| 1916-1917 | ... | 104,207 | 29,541 |

These Ggures submitted by the Mamlatdar have been given on the accopted interpretation of 'non-agriculturist' as a man who derives a portion of his income from sources other than land. This definition is an elastic one and I venture to add a few supplementary remarks by way of comment upon the above table.

There is little absentee landlordism in the taluka, the totail area of land held in the taluka by cultivators who live outside it being only some 1,600 acres; the area held regularly by lessees with no land of their own is still smaller ( 135 acres). There is no regular class of landless lessees as in Taloda and Shahada talukas, and there are no instances, to my knowledge, of land in
the taluka given up by abseñt landlords to lessees qn mere pasment of the *ssessment as in Taloda taluka. )

The following table offers a classification of holdings in the year 1916-1917:-

N. B.-To make the total harmonize with the total of the previous table, 10,464 and 141 acres respectively have to be added to the Government and alienated land, as the carlier table includes this area of holdings extending outside the taluka.

Ibrigation.
(13. The area under motasthal irrigation is very small;) in 1896 it was 246 acres in the first three groups of villages and the average figures for the period 1912-16 are as follows :-

| Group. | Ares. | Wheat. | Maime. | Palm trees. | Prait, eto |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 268-18 | 30.9 | - $10-36$ | 8.90 | $218 \cdot 31$ |
| 2. | 288-20 | 2.26 | -38 | ... | 218.36 |
| ${ }^{-}$ | 11.7 | 4.29 | .... | ${ }^{8}$ | - 6.18 |
| 4 | 1.33 | 10 | ...... | 10 | $\cdot 93$ |

The area so irrigated has thus practically remained unchanged during the present settlement and no mean illustration of the irrigational facilities of the taluka is given by appendix $F$ which shows that the number of kacha wells for irrigational purposes has likewise remained almost unchanged. Along the Tapti edge water is found at a depth of from 75 to 90 feet; along the base of the hills it may be found at a depth of 30 feet but in some places as at Ajnad it is not found above 100 feet; in the forest enclosed groups it is to be obtained at a depth varying from 10 to 60 feet. In the whole taluks there is well irrigation in 31 villages only, of which 20 are in group I.

There is no special water rate in the taluka and all such irrigated area has been treated as dry-crop area. As none of the rivers in the taluka provide water for irrigation there is also no such cultivation as occasions the imposition of temporary water rates by the Collector.
14. With respect to patasthal irrigation the name of Suliabandhara still re-calls a time when there was cultivation by pat in group III, but this was before the present settlement. In his report of 1896 Mr . Fforde refers to an average of 10 acres as under irrigation by pat in the village of Ajnad, but some mistake would seem to have been made in fixing a patasthal rate of Rs. 6 on this land (vide G. R. No. 4840 of. 26 th July 1898). It was remarked in Mr. Fforde's patasthal statement that the bandhara at Ajnad was a pakka one and maintained a flow of water until the 15 th ${ }^{\prime}$ March. I visited the same myself on the 12 th November this year: the bandhara I found a breached ruid, overgrown with banyan trees of many years' growth; the course of the pat could be followed across every manner of ground and many country tracks, but bore no sign of having guided the course of water for years. The oldest residents of the village near by informed me that it had ceased to provide water for irrigation a few years before the great famine of 1899, and the fact, that this land assessed at patasthal rates is owned by agriculturists who possess other holdings, supports their assertion that in paying assessment on their entire holdings they have been
nnaware that on these particular numbers they were paying water rate. This year the late rains have been quite heavy: yet I found not a drop of water in the shallow stream-bed above the bandhara; and below the bandhara the shallowest of rivulets issuing from a spring. On reference to the Executive Engineer, West Khandesh, If find that there is no record of Government ever having paid any attention to this bandhara by way of repair or maintenance.
15. As I now propose that this land be assessed at dry-crop rates I detail the survey numbers in question:-


Live and Dead Stook.
16. Few remarks, I think, are necessary in comment upon appendix $D$ which for the most part explains itself. It is elear that all groups since 1900 have participated in the general increase in live-stock. The effect of the famine of 1899, however, was as disastrous here as in Shahada taluka; the reports of 1896 and 1898 give the number of cattle before the famine as at least 40,655 , the census of 1900 showed 18,372 head of cattle and their number in 1915-1916 was 41,498 , so that the taluka has only just succeeded in repairing the destruction of more than 50 per cent of its stock in 1899.

In the taluka the area of revenue land reserved for grazing is only 2,500 acres, but the forest affords ample grazing and the number of cattle that graze annually within its limits is some 63,000 , of which a portion consists of cattle from outside talukas. The census of cattle is taken in June, and there is a possibility that it includes the early immigrant cattle though such cattle do not arrive in numbers until July.

On the substitution of hoeing for ploughing, I have already remarked. From this has resulted a reduction in the number of ploughs with an acoom panying decrease in some groups of that of plough cattle. This reduction is a feature of the agricultural conditions in many of the talukas of Khandesh that have been examined in recent settlements.

## Сомmunications.

17. North-south through the taluka runs the Bombay-Agra road. Eastwards from Amoda and Shirpur a metalled road with unbridged nallab-crossings connects with Chopda taluka, whilst westwards run several main country tracks of the usual kind. As a whole the taluka is well provided with communications, and as the southern plain is so little cut up by the shallow beds of the rivers that cross it the country tracks afford quite good means of transport. Even the villages within forest limits have access by tracks of no great difficulty to the Bombay-Agra road, and those of group V will shortly be connected with the plain below by direct roads-broad well cut roads of murran surface, of which at least one, that from Rohini to Ajnad, is nearing completion.

As is the case with all the North-Tapti talukas the unbridged river is a great inconvenience to the taluka. Fortunately, save in the case of early harvested cotton, and much of this is ginned at Shirpur, the river is not a great obstacle when the harvest of the taluka orop is ready for export. In a similar way the taluka shares with all the talukas north of the river the new advantages that have accrued since the opening of the Tapti Valley Railway, to which it has easy approach at Nardana.

At Savalda there is a stone foundation prepared for the orossing of the Tapti. There are no Government ferries but numerous ferries are worked by private proprietors at Savalda, Piloda, Manjrod, Thalner, Tekwada, Khamkheda
and Anturli. On the Agra road there were formerly tolls at Savalda and Lalmati, the auction sale of which realized the following sums between 1909 . and 1913 :-


In 1914-15 these were abolished.

## Fairs and Markets.

18. Weekly bazaars are held at Khamkheda, Hol, Thalner and at Shirpur, but of these the only one of importance is that of Shirpur, for the taluka town is to some extent the market of Nemad as well as of the taluka. Shirpur is the emporium for the import and export trade of the taluka: timber trade from the Satpuras and from the territory of the Indore State; cattle trade from Malwa and Nemad; trade in jowari, bajri, wheat, linseed and sesame from Nemad. Besides this, beyond the cotton of two-thirds of the taluka that is ginned at Shirpur, an approximate measure of 50,000 maunds, cotton from Nemad is brought to Shirpur to the annual amount of 15,000 maunds, though for this imported cotton the attractions of Ujjain are year by year becoming stronger. Shirpur is thus quite an important market town, and the centre of the whole trade of the taluka save that of the extreme east which prefers to follow a more direct route to the railway at Amalner, and in the case of cotton finds a more nearly situated gin at Ajanda Budruk. Finally, it is the site of a large annual fair. Yet in spite of all these causes that might be expected to show themselves in the increased magnitude of the town, Shirpur is still in external aspect a town of few pretensions, and its population has remained almost unchanged since the date of the last settlement. It is a fact somewhat hard to explain, but none the less true, that the taluka towns north of the Tapti in West Khandesh reflect poorly the increased prosperity of their talukas-Shirpur Budruk shows no change in its population and Shirpur Khurd but little change since 1899 ; Shahada has actually gone down in population.

## Wages.

19. Labour is a commodity of which the supply is inadequate to meet the demand, but the labourer penalizes himself by his immobility. The ordinary wage system it is difficult to detail ; unskilled labour is probably remunerated by an average rate of 4 annas a day, skilled labour by one of annas 12 to Re. 1 , but wages differ in different villages in accordance with local needs, and are particularly inconstant in the cotton season when the wages of cotton pickers fluctuate considerably.

The old system of paying for labour in kind continues here, as it does elsewhere in the district, in the case of certain occupations, such as those of carpenters, blacksmiths, dhobis, that still retain the semblance of communal responsibility. The 'saldari'system of payment also continues, but its evil attributes have for the most part disappeared, and from the many complaints. one hears during a season's tour one gathers that labour has often its own way of declaring its independence, and that the 'saldari' contract is repeatedly one favourable to the 'saldar.'. By Government Resolution No. 11166 of. 4th November 1908 it was pointed out that the Breach of Contract Act XIII of 1859 did not apply to such contract, which could be enforced by civil suit only. From a reference to the civil court I find that the number of such civil cases instituted against saldars of this taluka has been 50 since 1908, and it is clear that this method of enforcing conntracts, in view of the latitude of decision allowed to the court, is an unpopular one. The details of the saldar's contract vary; occasionally the employer's obligations are discharged by a daily supply of food followed at the end of the year by delivery of the cash wage agreed upon-this varies from Rs. 60 to Rs. 125 -but for the most part the saldar prefers to enjoy the fruit of his labour at once, and this the employer is only too willing to give in
the form of a debt to be discharged in a period of 4 or 5 years, or to give in part only as an advance of cash, grain or clothing. Such advance payment, it is almost needless to say, is to the thriftless labourer the allure of this form of agreement.

## Popolation.

20. The population of the villages settled in 1896 was given as 48,648 , and that of those settled in 1898 as 2,737 , and of these the former figures at least were a census of 1894. Just before the famine of 1899, therefore, the population of the taluka must have been more than 51,385 and was probably about 54,000 . The census of 1901 showed a population of 50,330 , that of 1911 one of 57,031 and the present population may be roughly estimated at 60,000 . The average annual number of births between 1912 and 1916 was 2,814 and of deaths 2,152.

The mass of the population is Kunbi, Rajput, Marwari and Gujar, the Kunbi element preponderating ; Vanjaris occupy some 5 or 6 villages only, and a census of the Bhils made this year at my orders gives the population of this race as 5,046. From the previous settlement reports it appears that the Bhils in 1899 numbered at least 6,083 and the Vanjaris 2,212. In the years previous to 1899 the Bhil population had increased considerably but the Vanjari caste had decreased; during the present settlement the number of the Vanjaris has become still less and the number of Bhils is to-day less than it was before the famine of 1899. The reduction in the number of Bhils is locally attributed to emigration, but for the steady drop in the Vanjari population through the period of two settlements I can suggest no explanation of value. The Vanjaris themselves are well aware of their decline which they say is. due to their feeble resisting power to disease.

There are 38 schools in the taluka with an average daily attendance of 1,780 boys, of whom 134 are of the depressed castes.

## Co-operatife and Agricultural Societies.

21. There are five co-operative societies in the taluka at. Hol, Ajnad, Balkua, Gartad and Hisala respectively. The first of these, established in 1907, advanced this year a loan of Rs. 3,300 to its members ; the remaining societies are reported to me not to be working well.

In 1915 an agricultural association was formed in the taluka with a membership of 200 , and I notice that this season it has made study of the old cultivation of indigo which has disappeared from the taluka entirely.

Saies.
22. All the details of appendix $G$ have been secured from one or other of the parties to the sales recorded, and that appendix is in no way a compilation of extracts obtained from the Registrar's office. All sales that took the form of concessions to family relationship, or previous financial relationship; all sales by court decrees; all sales that were conditional, comprised lands of different villages or included considerations other than of the land in question, have been excluded and the appendix may be regarded as testifying to genuine competitive sales of land within the specified periods. These are cash sales of dry-crop land only as the irrigated area is very small in this taluka. Finally, a few instances of abnormal sales have been excluded from the uncorroborated figures of which useful deductions could not be made; and the figur's offered are figures of representative villages, though many other villages were examined in. the process of collecting sufficientrstatistics.
23. The method by which in his report of 1896 Mr. Fforde abstracted the values of sales at that period militates against any easy comparison of those values with those of to-day. Nothing is said therein as to the steps taken to exclude abnormal instances, and instances are included which prima facie must have been extremely phenomenal in 1894, for appendix $K$ of that report, out of 100 instances of sales, includes 4 wherein the sale price varies between 101 and 325 times the assessment, and even up to the year 1907 I have discovered only 7 instances of sales at a rate higher than 100 times the present assessment. Phenomenal and isolated instances can be found in most talukas, but due as they are to special individual circumstances, which my method of examination
excludes, I consider that their mention serves no useful purpose. Many a one of the causes I have enumerated before as disqualifying any instance of sale from inclusion in appendix $G$ would produce some such phenomenal instance of high eale, and I consider, therefore, that no injustice is done in excising from Mr. Fforde's appendix these abnormal instances.
24. With these remarks I propose to draw a fresh taluka average from those instances of his that are not obviously abnormal. This will give the following result:-


The average value of land in the taluka in the period 1890-1894, the taluka then settled comprising groups I and II of the present settlement, was therefore presumably Rs. 30-6-0 per acre. To-day a similar valuation presents the following group values :-


As the instances exampled are of representative villages only, a mere calculation from their totals would not give an accurate average for the taluka; this has been obtained, therefore, by multiplying the average figure of each group by the occupied area of villages in that group and taking an average from these multiples resulting.

## Leases.

25. Leases on the nim batai system are common, but the taluka is marked by an absence of leases contracted directly upon a fixed measure of grain.)

Up to 1912-1913, in which year the Record of Rights was re-written in the taluka, there are very few instances of one-year leases to present; such leases were not entered in the old Register of Tenancies and the records of registration only show long-period leases which can bear no comparison with leases for one year. Appendix H is, accordingly, very meagre in its details for the period 1899-1912.
26. As is the case with his appendix of sales Mr. Fforde in 1896 has given no indication as to the method he adopted in examining the leases recorded; his leases represent probably a mere summary of records, and this is the more unfortunate as they include four instances of leases at the rate of 26 to 78 assessments. Before 1913 I have myself come across only one instance of a lease of a value approaching this rate, viz., one at 31 times the present assessment in the village of Khamkheda in 1906, and such leases would be exceptional even now.

Excluding consideration of these abnormal instances the average lease of the period 1894-1899 was of value Rs. 5-5-0 per acre ; the average values to-day are as follows:-


In strict calculation the averages given in both appendices $G$ and $H$ must in the total be somewhat lower than the actual averages prevailing. For the figures presented are those only of instances examined by me; in the case of leases they exclude those that have followed upon mortgage or are otherwise improper for the present purposes; in the case of ales the exclusions have been many, but the true averages are effected not so much by these exclusions as by the fact that in each village chosen every instance of lease or sale could not be examined. Thas in some villages I may have beep able from the presence of the parties concerned to examine every entry; in others I have examined only some 80 per cent of the entries in the Talati's and Sub-registrar's books and in others a much smaller percentage. It follows that it is just in those more populated and more competitive centres where transactions in land are most common, and where the values realized in these transactions tend to be greatest, that my examination has not reached an examination of every entry. The averages in appendices $G$ and $H$ alike are thus perforce somewhat weighted in favour of those centres where I examined a large percentage or the whole of the entries to be found, and against those centres where I examined less. This, however, is unavoidable, for the only alternative would seem to be the acceptance en bloc of the total figures of each village exampled and this alternative has its own obvious dangers.

## The Incidenoe of Assessment.

27. Crop experiments are no longer conducted and I was too late in beginning my work to institute any myself. The selling of standing crops, again, is not a practice in this taluka and I was able to find only one authentic case of such a sale, and that was an unrecorded one.
28. From the agriculturists themselves, the leaders of whom I found far less reserved in discussing their profits than I had expected, I obtained admissions that give a fair idea of the acre outturn of the principal crops. At Ajnad, in group II, I was told by a body of cultivators that their profits from jowari and bajri were Rs. 25 an acre, these profits including a valuation of their fodder at about Rs. 8 ; they also said that a cultivator in group I could expect an average profit from these same crops of 30 to 35 rupees per acre. For grôup I a lessee of Ajanda Budruk said he obtained profits of Rs. 200 from hisholding of 8 acres 8 gunthas, the assessment of which was Rs. 13-6-0, and a lessee of Rajpuri informed me that his profits were Rs. 40 per acre. In the case of group III at Balkua I found an instance of the sale of the entire crop from 14 acres 37 gunthas (assessment Rs. 9) for Rs. 200. Finally, in groups IV. and V I had the entire output of the holdings of ten Bhils estimated by them and by the local patils, and though not so reliable as a crop experiment would be conducted $a b$ initio by myself, the results indicate at least the local expressed opinion as to the possible outturn from land in these groups. The following table gives a tabulation of all these data :-


From the figures of appendix $H$ much the same approximate valuation arises. A monetary rent paid immediately in cash represents, roughly, not more than one-third of the gross produce, for the nim batai rent, containing as it does an insurance by the landlord against the poor years in which he has to share the losses or poor returns of the tenant, must in normal years constitute a rent higher than ordinary competition on the merits of the land would direct. On the assumption that a money rent represents one-third of the produce, which I - 102 - 9
consider a very fair one, the gross produce of an average field and the incidence of assessment in groups I, II, III will be as follows :-


The incidence in column III is almost the same as in the corresponding column of the previous table; in group III only it is much less, and this because Balkua, the village instanced before, is one of the exceptional villages of group III which come out well into the plain occupied by group I.
29. The representation of profits given me by the cultivators of Ajnad does not include the average profit from the cotton crop which oovers roughly 50 per cent of the entire cultivated area in three out of the four groups; this they admitted was higher than from the grain crop but they were. reluctant to offer a valuation of their cotton crop which the very next season might prove too high. The incidence of assessment is, thus, in all'groups, very low, and as the new rates I propose will involve an increase in their respective average assessments of some annas only (group I annas 10-3, II annas 3-10, III annas 2, IV annas 2-8) that incidence will still remain low under the Revision Settlement.

## Revenue Hietory.

30. Recovery of revenue during the period of the existing settlements has been made without difficulty in all groups, though a large number of notices were issued under the Land Revenue Code in the years 1899-1903 when the effects of the great famine were felt. Of the adoption of the severer coeroive measures to collect revenue there have been no instances, and only 88 instances of fine, of which 50 were in the case of group I. Appendix K illustrates the ease with which revenue has been collected, when I remark that the gradual introduction of the new rates accounts in part for the remissions of revenue in the years 1899-1904, and that the figures of arrears for 1907-1908 and 1911-1913 are explained by the scarcity of rain mentioned in my notes to appendix A.
31. The history of the present settlement is the history of a recovery from the famine of 1899, and that recovery has been so steady that there is little to add to the illustration given by the appendices to this report. The years 1907-1908 and the year 1911-12 were years of threatening famine, and in both years the area of fallow ( 20,151 and 21,919 acres) was 80 per cent higher than the average of many years, but the memory of those years is one only of scarcity, and it is significant that no remissions of revenue were entailed. The area of unoccupied land of a culturable nature is 4,461 acres; half of this area is in the two lowest groups and the entire area bears an average assessment of 6 annas per acre, demonstrating that there is little land of real value and convenient situation not yet taken up.
32. The village of Sikval.-The position of this village in this taluka is a peculiar one. In 1898 Mr . Young grouped it with the villages of group II and proposed for it a rate of Re. 1-11-0; Mr. Symonds, however, proposed a rate of Re. 1-2-0 as this was the first settlement of the village, and this rate being accepted by Government (G. R. No. 501 of 24th January 1902) involved the grouping of this village with the distant villages of group IV.

Now, the Aner river is the boundary at present between the Chopda and Shirpur talukas save in the vicinity of this village, and it is singular that Sikval, east of that river, and if geographical boundaries have any meaning a portion of the Chopda taluka, should be grouped with villages of the Shirpur taluka. In the Government Resolution No. 6845 of 24th August 1885, in which Government expressed approval of the proposal that the Aner should be made the boundary of these talukas, it was remarked that there was one small hamlet in the area transferred which would also have its transfer. The area referred to in these words was, with the exception of Sikval village, a block of forest which was
transferred from the Shirpur to the Chopda taluka, and presumably the intention of Government was that Sikval also should be incorporated in the Chopda taluka. No such incorporation, however, was made, and I have been unable to find any correspondence which raised the subject again.

The village is an uninhabited one and a very small one, its entire area being 432 acres ; the rayats who cultivate its land are residents of Ganpur in Chopda taluka, and so also are its officiating patils and watandar kamgars. I should like, therefore, to propose that it be now added to the Chopda taluka; such a transfer would please its khatedars whose inclinations have been consulted, and bring it nearer a taluka headquarters, as Chopda is only 13 miles away and Shirpur is 18 miles. As the village, moreover, lies at the foot of the Satpuras and the Aner has to be crossed by persons coming to it from the Shirpur side, it is, I should imagine, rarely visited by the taluka staff of Shirpur.

In my present report I have included the figures of this village in all appendices as their influence thereon is hardly disturbing; in my report on the Chopda taluka I have indicated its grouping that I propose in that taluka.

## The Existing Setitlement.

33. Under the first settlement of the taluka which comprised only 103 villages, the taluka was divided into seven groups; the maximum rates of which ranged from Re. 1 to Rs. 3. At the revision settlement of these villages two schemes were put forward for reducing these seven groups to three. The rates for the three groups finally agreed upon were Rs. 3, Re. 1-11-0 and Re. 1-3-0.

In 1898 the question arose of settling those northern villages that now comprise groups IV and V. In his report of 1898 Mr . Young, remarking that their soil contrasted favourably with that of the villages of group II, proposed for them respectively maximum rates of Re. 1-3-0 and Re. 1. For some time subsequent it remained undecided whether these villages should be settled or made into a scheduled district; settlement decided upon, Government accepted the grouping of Mr. Young though preferring the proposals of Mr. Symonds it fixed the respective rates of the groups at Re. 1-2-0 and Re 1 . In pressing this slight alteration in the rates of Mr. Young, Mr. Symonds remarked that Re. 1-2-0 offered greater facilities for calculation than Re. 1-3-0, and that it seemed to him proper that these villages should have a lower rate at original settlement, and that this rate should be lower than in less hilly and outlying villages.
34. The existing grouping of the taluka is, therefore, as follows :-

| Group. |  | Villages. | Maximum rate. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Rs. \&. |  |
| I | ... | 65 |  | 30 |  |
| II | ... | 16 |  | 111 |  |
| III | ... | 22 |  | 13 | 0 |
| IV | ... | 6 |  | 12 | 0 |
| V | ... | -11 |  | 10 | 0 |

The first group is, practically speaking, the whole of the plain between the Tapti river and the southernmost hills of the Satpuras; communications throughout it are easy, though from their situation distant from Shirpur many of the villages in the east and west prefer to take their crops across the 'Tapti directly to the railway than to bring them to the taluka town. The second and third groups occupy the tumbled ground at the base of the Satpuras; some villages more fortunate than others, such as Ajnad, Nimtala, Dahivad in group II and Nimjhari, Ukhalvadi in group III, have land that takes them into the main plain; others, such as Gartad in group II and Balkua, Kuva, Vadi and Makhed in group III; are actually in the plain, and enjoy much lower rates than those of the first group only by the accidents of settlement. Between the two groups as wholes there is no obvious difference in situation, save that the modern road from Shirpur to Chopda has left the historical route which took a course across the plain below and connected Shirpur with Thalner, one of the ancient capitals of the district, and has clung to the higher ground at the base of the hills in group II. This new alignment of the road is some 10 or 12 years old, and accentuates the inequity of the great difference that exists between the rates of the first and second groups. Group IV forms a cluster of villages along
the Bombay-Agra road. Group V contains villages within the forest whioh are the only ones in the taluka with any real difficulty of communications, and this difficulty is one rather of length than of manner; at present good forest roads connecting the extreme west and the extreme east of this group with the plain below are being constructed.

## Proposed re-grouping.

35. As even a 66 per cent increase of the maximum rate of group II would not bring that rate up to the present rate for group I, and as in almost similar manner such a large increase would barely enable the ráte of group III to pass that of group IV, it is clear that no manner of re-adjusting the present grouping of the first three groups, even if on equitable grounds such re-adjustment is desirable, is possible without the surrender of revenue. I can, therefore, dismiss this question with these remarks.

There remain groups IV and V, and in view of the remarks made about these groups in previous reports a detailed study of their main characteristics seems called for. It would be a mistake to regard these villages from their position in the forest as ipso facto of the usual type of Bhil village that is common in the uncleared parts and lonelier tracts of Khandesh. In group IV Palasner is a village of resident lehatedars of whom 9 per cent are Kunbis and Rajputs; at Sangvi out of 2,058 acres of occupied land only 492 are held by Bhils and the rest mainly by Kunbis who reside in the village; at Harkhed too only 63 out of 641 acres are held by Bhil and similar castes and the small population is Kunbi and Rajput rather than Bhil and Vanjari. In group V Amba is mainly a Kunbi settlement, and in the whole group 34 per cent of the resident population is Kunbi, and 50 per cent of the occupied land is held by Kunbis, Rajputs and Gujars. The area of land held in this group by khatedars not resident in their villages is some 3,354 out of 8,925 acres ; of this acreage, 1,000 acres are held by Bhils, Vanjaris and Mahars who live in neighbouring villages, and the remaining acreage is swelled excessively by the holding of some 1,400 acres at Boradi by Kunbis and Gujars of the plain below. In both groups, therefore, the khatedar population is principally resident within the limits of the groups; only two-thirds of the population is of the Bhil and other depressed classes and 50 per cent of the land is held by a superior and more industrious class of cultivator.
36. The remarks, therefore, made with respect to these villages by Mr. Young in 1898 no longer constitute an accurate delineation of their conditions. The land in these villages has been captured to the extent of one-half by an invasion of Kunbi cultivators; the high percentage of the total cropped area in these groups (viz., 40 to 50 per cent) held by the cotton crop enforces much the same conclusion as to the error it would be to regard these groups as necessarily regions of poor industry and poorer profits.

Neither is Mr. Young's remark about the villages of these groups as isolated and hilly, and situated disadvantageously with respect to markets and communications quite apposite in a comparison of groups III and IV. For as regards communications, though some of the villages of group III adjoin the trunk road from Bombay to Agra, the remainder are dependent upon country tracks which in their higher stretches are not easy ones. On the other hand, the villages of group IV, obviously not so near to Shirpur as are a few villages in group III, are yet, with the one exception of Fatiapur which is one mile from that road, all upon the trunk road; excluding too Palasner, even in measure of distance from Shirpur, they are more favourably situated than many villages of group I in the south-west and east of the taluka, than villages of group II that lie on the boundary of the Chopda taIuka, and finally than many of the villages of group III, and their means of communication is the one road in the taluka bridged throughout its length.
37. As regards their hilly position, the villages of group IV occupy rough natural levels through which the connecting main road runs, and save that that road rises from the plain below, it would be hard to call any one of those villages hilly so far as̃ that word is used to connote unusual difficulty of access and progress. On the other hand, some of the villages of group III are situated on the face of low hills, and the sites of seven have been abandoned. That the villages of group IV have natural disadvantages consequent upon their proximity to the
forest and its destructive animals it would be idle to gainsay, bat they have little or no general inferiority as regards communications, and their proximity to the forest they share, though doubtless their share is the greatest, with villages of groups II and III.

Considering these circumstances and the fact that the difference between the rates of groups III and IV is only one anna, I am of opinion that no useful object is served by preserving a separation into distinct. groups of groups which Mr . Young in 1898 mould have unified, and amalgamating these groups I propose to reduce the number of the existing groups in the taluka from five to four.

## Proposed Rates.

38. The advance in the general prosperity of the taluka since the period of the last settlement is marked in no doubtful manner. The value of land in the taluka has inoreased some 267 per oent; rents have increased at léast 74 per cent and in an estimate of sales and leases group III now occupies the position held by the whole settled taluka in 1894 . The prices of the chief grains and of cotton, to judge by their decennial averages, have advanced considerably:-.


Agricultural stock has increased and made up the ravages of the famine of 1899 ; the acreage of culturable land not taken up has been reduced by two-thirds of its area since 1899. Changes in preference for crops have shown an increased proportion of the profit paying cotton cultivated in all groups. The figures of tolls on the roads in the taluka, and the figures of income tax which show an increase in the revenue from this tax of 100 per cent supplement all the many evidences of the advance of the taluka. Indebtedness of the agriculturist, so far as it is manifested in the mortgage of his lands is small, the area of land under mortgage in 1916, though double of the area under mortgage in 1906, being only 3,665 acres. Yet again the agriculturists have borne the present rates of assessment with ease ; the incidence of assessment has been very low and the recovery of revenue has been made without difficulty.
39. The taluka being well able to bear a 33 per cent increase in its revenue contribution I propose to distribute such an increase proportionately over the four new groups, raising their respective rates to the anna nearest to the maximum that represents such increase. The new grouping and the new maximum rates will then stand as follows:-

| Old group. | Now group. | Maximum rate. | Percentage increase. |
| :---: | :---: | :---: | :---: |
| 12345 | \} | $\begin{array}{cccc}\text { Rs. } & \text { a. } & \text { p. } \\ 3 & 15 & 0 \\ 2 & 3 & 0\end{array}$ | Per cent. <br> $.81 \cdot 24$ <br> 29.65 <br>  <br> 27.46 |
|  |  | 180 | 27.76 |
|  |  | 15.0 | 81.39 |
|  |  | Taluka increase | 30.91 |

Such increasing will entail no increase in any single village of more than 33.42 per cent (vide Sangvi, No. 108, appendix L).

There is a fatality in the grouping of Khandesh settlements that inevitably results in the strangest of effects, and strict adhesion to the limitation rules entails the consequence that the villages of group IV in the forest actually pay a higher average of assessment than those of group III, and that a whole string of villages in group II, through which runs a main artery of communioation and within just as easy reach of the taluka town as half the villages of group I, pays an average assessment which is little more than one-third of the average assessment of group I.
40. It remains, perhaps, only to illustrate the lightness of the new rates. In group I, where the maximum rate is at present Rs. 3,36 villages have paid the
same rate of Rs. 3 daring the period of two settlements, and an enhancement of this rate was not proposed by the Survey Commissioner in 1897, though Mr. Fforde had proposed a rate of Rs. 3-4-0 and would have liked to propose one higher still, merely because such a rate would have been some 18 per cent in excess of rates imposed in the neighbouring talukas at their revision settlement. Group II will bear a maximum rate of Rs. 2-3-0; in 1896 Mr. Fforde remarked of one of its villages (Gartad) that in equity it ought to be in the first group; for the whole group Mr. Muir-Mackenzie proposed initially a rate of Rs. 2-4-0 in 1897 and my proposed rate only just approaches this rate of twenty years ago. As regards group III, the maximum rate of which will be Re. 1-8-0, Mr. Muir-Mackenzie remarked that its villages Kuva, Balkua, Makhed, Talod, Nimzari and Wadi Budrak could be raised to a rate of Rs. 2-4-0 without hardship, and for the whole group proposed a rate of Re. 1-4-0, having first thought of proposing one of Re. 1-6-0. Taking the taluka, therefore, as a whole, the total revenue obtainable from it by the new maximum rates will be only 18 per cent higher than the revenue that would be now collected, if the existing rates were those actually proposed by Settlement Officers two decades ago.
41. Finally I would recommend that the new rates, which apply to agricultural land only, be guaranteed for a period of 30 years.

I have the honour to remain,
Sir,
Your most obedient servant,
J. ABBOTT,

Assistant Settlement Officer, Khandesh.

APPENDIX A.
Statement showing Rainfall recorded at Shirpur, District West Khandesh, for the years 1905-1915.


Remarks with regard to the character of the seacons at Shirpur during the yeara 1905-1915.
1905. Rain during the year in exoees of average. Kharif sowing commenced with good rain in last week of June and completed in July under favourable rain. Angust rain light. Rain in September benefioisl to tharif erops bat very little rain in this month and the two soubsequent months. Rebi aras therefore curtailed. Seeson fair.
1906. Total fall above sverage. Ante-monsoon period dry. Monsoon timely in June; excessive rain in July and sbove the average in Angust. Rain sufficient though below the average in September; light rain in October but none later. Rabi sowing thenafons difficult and absence of late rains marred the prospecta of thavit and rabi crops slike. Seseon fair.
1907. Bain in dafect. Practioally no ante-monsoon rain and monsoon burst late in June. Joly rain suffioient;mhi continucus and excessive in Angust. In September rain less than cone inch against an average of 4 to 6 inches, orope began to wither. October almost rainless; no rain in November and December. Bahi aree greatly restricted. Seacon poor necessitating suspension of Land Revenue:
1908. Agrregate rain below average. Ante-monsoon rain abeent. Monsoon timaly in Jnne; rain favourable in July, inceasant in August; very littie rain in September and prackically none latter. Babi crops mani and poor and standing trops deteriorated. Beason below nomal and suspensions of revenue were granted.
1909. Rain below the sverage. Monsoon timely in June; general rain in July. Insufficient rain for seedlings in August; fall in September generally gofficient. Some rain in October enabled mbi nowing to be commenced. No rain in November; fairly good rain in the recond fortnight of December. Eeason fairdy good.
1910. Total fall moch over the average. Antemonsoon rain fair. Monsoon set in eariy and heavy fall retarded tharif sowing. Some rain early in Juky followed by a break of three weeks allowed canpletion of tharif sowing. Rain in August good; meagre fall in September until the last week when general main benefitted standing erops. Rabi sowing begun and completed in October when nasetul rain was received in the first week. No rain in December. Rabi crops did well. Semson good.
1911. Rain conciderably in defect. Rain in antemonsoon period light; in June inadequate for general sowing in July in defect and sowing deferred again and continued into August. In Augast also rain ingufficient and seedlings suffered. Practically no rain in September. October almost dry; rabi sowing was completed in places where moisture was sufficient. Habi crope helped by rain in legt two wreaks of Novembet. December practically rainleas. Season poor.
1918. Rain far short of average. No ante-monsoon rain. Monsoon camo late but fall sufficient to begin tharif Eowings at ond of June Rain sufficient in July. August rain almost daily in the firgt fortnight. In September rain less than one inch against an average of $4^{4}$ to $6^{\prime \prime}$; Detober main meagre. Babi sowing checked. Good and general rain in the thind weel of November saved the sitastion but it was too late for tharif crops ; rahi ares extended. No min in December. Babi crops fared well. Season poor to fair for kharif and fair tor rabi crops.
1918. Total fill above the average. Light ante-monsoon rain. Early monsoon in June and ateedy rain; July rain sufficient. Angast rain deficient. Sufficient rain in September. No rain in Ootober and November and hardly any in Decermber. Season on the whole practically good.
1914. Tokal fall moch above the average Ante-monsocn rain fairly good. Monsoon burst timely in June good rain in July ; main in August sufficient; good rain in September. Rain in Oetober not general. Rain beneficial to rabi crope in November. December prackically rainlees. Rabi crope suffered a little from the antimely rain lats in the seasom. Season good.
1915. Rain in defect of average. Ante-monsoon light. Monsoon began in third week of June; good rain in July. In Auguat rain light and confined to the first week and crops stood badly in need of rain. This they got in September and progreesed well. Bat October rain mas far in exoesa of the average and proved imjorionas to bajri and cottion though it gave sood start to rabi sowing which was completed in Noveraber under rsefol min. Light showers in December olosed the season whioh on the whole was a good one.

## APPENDIX

Details of cultivation and crops in the villages of the


\begin{tabular}{|c|c|c|c|c|c|c|c|c|}
\hline \& \multicolumn{8}{|c|}{1．－Cereals and II，－Prulses，} \\
\hline  \& \[
\begin{aligned}
\& \dot{8} \\
\& \text { 岗 } \\
\& \text { 19 }
\end{aligned}
\] \& \[
\begin{aligned}
\& \stackrel{.}{\stackrel{\rightharpoonup}{6}} \\
\& \stackrel{0}{6} \\
\& \text { B } \\
\& 18
\end{aligned}
\] \&  \&  \& 蓠
¢
16 \& ig
cin
17 \&  \& 窵 \\
\hline A．g． 85，480 35 insete： \& A．
E．
8.8
8．
－003 \& \begin{tabular}{|c|} 
A． \\
\hline 6.898 \\
\hline 8.58 \\
8.58
\end{tabular} \& A． g
\(\ldots\)
\(\ldots\)
．．． \& \begin{tabular}{rr} 
A． \& g． \\
B，310 \\
\hline 1 \\
6.67 \\
\&
\end{tabular} \& A．g．
90，164 30
26.59 \& 4．E．
688
6808 \& A．
11．

0. \& $\begin{array}{r}\text { 4．} 8 . \\ 1,089 \\ \hline 1\end{array}$ <br>

\hline $$
80,49814
$$

...... \& 01
.0005 \& 238088
1.16 \& $\cdots$ \& 1,169 97
6.85 \& $\begin{array}{r}\text { 6，357－8 } \\ \hline 38.08\end{array}$ \& $\cdots$ \& 091
0008 \& 9615
.048 <br>

\hline | 93，044 99 |
| :--- |
| ．．．．．： | \& $\cdots$ \& 181988 \& $\ldots$ \& 86098

8.38 \& 5，985 98
88.78 \& $\cdots$ \& $\cdots$ \& $\begin{array}{r}29888 \\ \hline 890\end{array}$ <br>

\hline $$
\begin{gathered}
\text { 6,418 } 0 \\
\ldots . . . .
\end{gathered}
$$ \& $\begin{array}{r}019 \\ \hline 008\end{array}$ \& 1616

060 \& ．．． \& 90695
778 \& 703
31
96.97 \& 318
.011 \& 147
.058 \& 9i 10
.078 <br>

\hline $$
11,13838
$$ \& ． 25 \& 25181

5000 \& $\cdots$ \& 66785
9838 \& 971 81
19\％38 \& 04
+00001 \& 90

.003 \& $$
\begin{array}{r}
7929 \\
1.48
\end{array}
$$ <br>

\hline $$
175,3151
$$

aseven \& 433
.0008 \& 7,4478

8.07 \& $\cdots$ \& 7，504 94 \& \begin{tabular}{|c|}
\hline 4,16988 <br>
27／88

 \& $\begin{array}{r}936 \\ .0007 \\ \hline\end{array}$ \& 

8835 <br>
．008

 \& 

1，393 91 <br>
$1 \cdot 13$
\end{tabular} <br>

\hline
\end{tabular}


B.

Shirpur Tailuka of the West Khadndesh Collectorate.


## APPENDIX C.

Details of population according to ocoupation in the Shirpur Taluka, West Khandesh District.

\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{4}{|c|}{Agricultural population.} \& \multirow[b]{3}{*}{N. A. population.

6} <br>
\hline \multicolumn{2}{|l|}{Having interest in land.} \& \& \& <br>
\hline Tenants and cub-shaters. 1 \& Other land holders. 2 \& Labourers.
g \& Totsl. \& <br>

\hline $$
\begin{aligned}
& 21474 \\
& 37 \cdot 3 \text { per cent. }
\end{aligned}
$$ \& \[

$$
\begin{aligned}
& 1,070 \\
& 1 \cdot 8 \text { per cent. }
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 19,286 \\
& 88 \cdot 5 \text { per cent. }
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 41,830 \\
& 72.6 \text { per cent. }
\end{aligned}
$$

\] \& | $15,812$ |
| :--- |
| $27 \cdot 4$ per cent. | <br>

\hline
\end{tabular}

APPENDIX D.
Agricultural stock of 120 Government villages in the Shirpur Taluka of the West Khandesh Collectorate during the years 1900-1901; 1909-1910; 1915-16.


APPENDIX E.
Shops, industries, etc., in 120 villages of the Shirpur Taluka, West Khandesh District.

| Liquor Shops. | Hand Industries. |  |  |  |  | Mechanical power. |  |  | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oil Presses. | Cotton <br> Looms. | Woollen Looms. | Silk Looms. | Gins. | Gins. | Rice Husk. ing Machine. | Cotton Pressea. |  |
| 8 | 36 | 26 | 6 | $\cdots$ | ... | 7 | ...... | 3 |  |

APPEN
Wells, Bhudkis, Tanks and the other sources of water supply in the Government villages
1911-12.

| Group. | No. of villages. | Wells, Bhudkig and the like. |  |  |  |  |  |  |  | Tank. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | For rrigation. |  | For drinking supply of human beings but notfor irrigation. |  | For cattie and weshing and other purposes but not for irrisation or drinhing gapphsof human beings. |  | 'In aisuse. |  | For Inrigation. |  | $\begin{gathered} \text { For drinking } \\ \text { gupply of } \\ \text { homan betinge } \\ \text { solely. } \end{gathered}$ |  |
|  |  | Pakka. | Kacha. <br> 4 | Pakisa. <br> 5 | Kacha. <br> 66 | Pakka. <br> 7 | Eacha. | Fallen in or in disrepair. <br> B | Other causes. | Pakka, | Kıcha. 18 | Pakka. | Kacha |
| 1 | 65 | 169 | 92 | 608 | 18 | 16 | 6 | 51 | 17 | $\cdots$ | $\ldots$ | ... | $\cdots$ |
| 2 | 18 | 28 | 1 | 89 | ... | 18 | 4 | 0 | 9 | ... | .. | ... | .." |
| 3 | 22 | 4 | $\cdots$ | 20 | ... | ." | ... | 8 | 5 | ... | $\cdots$ | $\cdots$ | ... |
| ... | 6 | $\cdots$ | $\cdots$ | ... | ... | ... | $\cdots$ | ... | .'. | ... | ... | ... | $\cdots$ |
| 4 | 11 | $\cdots$ | $\cdots$ | ... | ... | .." | $\cdots$ | ..' | ..' | $\cdots$ | ... | $\cdots$ | ... |
| Totai ... | 180 | 184 | 22 | 661 | 13 | 89 | 10 | 69 | $\boldsymbol{\mu}$ | ... | $\cdots$ | $\ldots$ | $\ldots$ |
| 1 | 65 | 178 | 8 | 723 | 9 | 28 | ... | 69 | 18 | ... | ... | ... | ... |
| 2 | 16 | 88 | $\ldots$ | 44 | .' | 8 | 1 | 15 | 8 | ... | ... | ... | ... |
| 3 | 88 | 5 | $\cdots$ | 25 | '." | 4 | .." | 8 | 7 | ... | $\cdots$ | ... | ... |
| ... | 6 | 8 | ... | 8 | $\ldots$ | ... | ... | 8 | ..' | ... | ... | $\cdots$ | ... |
| 4 | 17 | 17 | 6 | 8 | .. | 1 | ... | 7 | 29 | $\cdots$ | ... | ... | $\ldots$ |
| Total ... | 180 | 235 | 9 | 808 | 8 | 81 | 1 | 96 | 57 | ... | ... | ... | ... |
| 1 | 65 | 179 | 1 | 710 | 95 | 16 | ... | 81 | 10 | ... | $\cdots$ | $\ldots$ | ... |
| 2 | ${ }^{1} 16$ | 26 | 9 | 62 | 1 | 1 | 1 | 4 | 4 | $\cdots$ | $\cdots$ | ... | ... |
| 3 | 88 | 6 | ... | 97 | 1 | ... | ..' | © | 1 | $\cdots$ | ... | ... | ... |
| ... | 6 | 8 | ... | 8 | ... | $\cdots$ | ... | 8 | .'. | ... | ... | $\cdots$ | ... |
| 4 | 11 | 17 | 6 | 10 | ... | 1 | ... | 88 | ... | ... | ... | ... | ... |
| Total ... | 120 | 281 | 16 | 807 | 27 | 18 | 1 | 130 | 24 | ... | ... | ... | ... |

Abstract of Appendix $F$,

| District. <br> 1 | Details. <br> 2 | Wells, Bhudkis and the like, |  | Tanks. |  | OUher sources. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pakks. | Eacha. <br> 4 | Pakke. | Kacha. 6 | Palka. 7 | Касһа. <br> 8 |
|  | For irrigation ... ... ... . ... ... | 831 | 18 | .'. | $\cdots$ | $\cdots$ | ... |
|  | For drinking supply of human beinge, but not for irrigation. | 807 | 89 | ... | ". | 1 | 8 |
|  | For catilie and washing and other purposes, etc. ... | 18 | 1 | $\cdots$ | 1 | $\cdots$ | $\cdots$ |
|  | In disuse ... ... ... ... ... | 130 | 4 | ... | ... | ... | ... |
|  | Total ... | 1,286 | 68 | ." | 1 | 1 | 2 |
|  | Total of 103 villages resorded in Sethiement 1886 ... | 681 | 108 | ..* | ". | ..' | 1 |
|  | Totcal of 17 villages recorded at Settloment 1888 ... | 81 | ... | ... | ... | ... | ... |

DIX F.
of the Shirpur Taluka of the West Khandesh Collectorate for the years 1901-02,
1916-1\%.


## APPENDIX G.

Selling valut of dry crop lands in 35 Villages of the Shirpur Täluka, West Khaindesh District.


## APPENDIX H.

Leases of dry crop lands in 39 villages of the Shirpur Taluka, District West Khandesh.


## APPENDIX I.

Statement showing the prices prevalent in the Shirpur Táluka frım 1889 to 1916.

佂

## APPENDIX 3.

Changes in occupied area for 103 villages of the Shirpur Tailuka of the West Khaindesh
District into which the Revision Settlement was introduced in the year 1899-1900.

| Year, | Ooeupied Govern ment land paring full absessment. |  | Unocoupied asbe8sed culitivable Government land. |  | Land, the revenue of whioh is alientated entirely or partially. |  |  | Tolel Jand, Govern ment occupied, unocoupled land inam |  | Remarks. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Aores. <br> 8 | Asbessment. $8$ | Acres. $A$ | Asbessment. | Area. <br> 6 | Revenue allensted or Nukgan F | Ouit-rent. | Axea. 0 | Assess. (fuli). 10 |  |
|  | Acres. | Re. | Aores. | Re. | Acres. | Re. | Re. | Acres. | Re. |  |
| 1899-00 | 109.618 | 1,73,461 | 4,085 | 2,984 | 8,889 | 18,49 | 7.488 | 128,685 | 1,99,684 |  |
| 1900-01 | 109,618 | 1,77,465 | 4,084 | 1,881 | . 8,888 | 18,249 | 7.855 | 189,685 | 1,88,685 |  |
| 1001.08 | 100,987 | 1,79,684 | 8,908 | 1,847 | 8,888 | 18,849 | 8,118 | 199,675 | 1,09,680 |  |
| 1008-09 | 110,185 | 1,78,680 | 3,508 | 1,761 | 8,888 | 18,249 | 8,118 | 129,675 | 1,93,680 |  |
| 1903-04 | 100.636 | 1,73,876 | 3,085 | 1,568 | 8,889 | 18,249 | 8,196 | 189,679 | 1,88,676 |  |
| 1904-05 | 110,874 | 1,76,490 | 9,975 | 1,469 | 8,814 | 17.791 | 8.867 | 199,663 | 1,98,673 |  |
| 180606 | 111,969 | 1.74,664 | 8,594 | 1.508 | 8,814 | 17.p98 | 7,078 | - 189,650 | 1,08,689 |  |
| 1906-07 | 111,88 | 1,75,0930 | 1,067 | 997 | 8,830 | 17,708 | 7,069 | 188,861 | 1,88,665 |  |
| 1907-08 | 112,085 | 1,76,118 | 1,880 | 850 | 8,808 | 17,906 | 7,885 | 189,658 | 1,28,675 |  |
| 2808-69 | 111,940 | 1,76,001 | 1,974 | 818 | 8,807 | 17,904 | 7,869 | 199,691 | 1,08,667 |  |
| 1909-10. | 111,044 | 1,78,076 | 1.776 | 603 | 8.807 | 37,704 | 7.967 | 189,587 | 1,89,683 |  |
| 1910-11 | 111.668 | 1,74,411 | 1,814 | 690 | 9.048 | 18,945 | 8.189 | 189,514 | 1,83,576 |  |
| 1911.18 | 111,671 | 1,74,978 | 1,783 | 888 | 0,048 | 18,845 | 8,193 | 182,506 | 1,83,561 |  |
| 1918-13 | 111,625 | 1,74.369 | 1,938 | 866 | 0,043 | 18,949 | 8,198 | 189,507 | 1,09,578 |  |
| 1918-14 | 111,452 | 1,74,859 | 9,075 | 891 | 0,049 | 18,949 | 8,193 | 189,570 | 1,83,699 |  |
| 1014-15 | 111.585 | 1,74,407 | 9,008 | 884 | 0,011 | 18,349 | 8,189 | 289,668 | 1,98,634 |  |
| 1016-18 | 111,545* | 1,44,408 | 9,090 | 001 | 9,001 | 18,388 | 8,161 | 129,568 | 1,98,639 |  |

## APPENDIX J.

Changes in occupied area for 17 villages of the Shirpur Taluka of the West Khandesk District into which the Original Settlement was introduced in the year 1902-1903.


## APPENDIX K.

Collection of assessment on Government land in 120 villages of the Taluka of Shirpur.


APPENDIX K-continued.


Statement showing effect of Revision Settlement proposals on Government


## I.

occupied land in Shirpur Taluka, District West Khandesh.


APPENDIX

|  | Name of Villego． | By former Settiement． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Maximum rates． |  |  | Dry－crop． |  |  | zice． |  |  | Garden． |  |  | Total ${ }^{\text {c }}$ |  |  |
|  |  |  | ¢ ¢ ¢ a 4 | 践 |  | ¢ <br> ¢ | 言 |  | $\begin{aligned} & \text { 苟 } \\ & \text { 号 } \\ & 10 \end{aligned}$ |  |  | 18 |  |  | d 4 4 | 免 ${ }_{\text {最 }}$ | \％ \％ ¢ ¢ 18 |
|  | Group I－continued． |  |  |  |  | Acres． | $\text { Rs. } \mid \text { Re. a. p. }$ |  | Acres． | Rs． | Re．a．p． | Acros． | Re． | Hs，a．p．Acres． |  | Rs． | Re．a．p． |
| 49 | Bhirpur Budruk ．．． | 1 | 30. | ．．． | $\cdots$ | 1.6001.219 | 3，604 | ．．． | ．．． | ．．． | ．．． | M． 18 | 98 |  | 1，612 | 8.628 | ．．． |
| 50 | Shirdar Khura | 1 | 30 | ＂ | $\ldots$ |  | 2，995 | ＂＊ | ．．． | $\ldots$ | ．．． | M． 8 | ${ }^{18}$ | ．．． | 1．220 | 8，40r | ．．． |
| 61 | Tajpurt | I |  | $\cdots$ | ．．． | 1.219 488 | 968 | ．．． | ．．． | ．．． | ．．． | ．．． |  |  | 4988.088 | 088 |  |
| 52 | Tekvada | 1 | $\text { B } 0$ | ．．． | $\cdots$ | 428 8,086 | 4，046 | ．．． | $\cdots$ |  | $\cdots$ |  | ．．． | ．．． |  | 4，046 | ．．． |
| 63 | Tembha Budruk | I | 30 | ．．． | ．．． | 708 | 1,175 |  | ．．． | $\cdots$ |  | ．．． | ．．． | ．．． | 708 | 1，176 | ．．． |
| 54 | Thalner | I | 30 | ．．． | ．．． | 11，107 | 83，523 | ＊． | $\cdots$ | ．＇ | ．． | M．${ }^{\text {a }}$ | 280 | ．．． | 11，109 | 29，585 | ．．． |
| 55 | Untawad | 1 | 30 | ．．． | $\cdots$ | 1，068 | 2，345 | ＇＂． | ．．． | ．．． | ．．． | M： 18 |  | ．． |  | 8．366 |  |
| 56 | Uparpind | 1 | 30 | $\cdots$ | $\cdots$ | 649 | 801 |  | ．．． | ．．＇ | $\cdots$ | ．．． | ${ }^{80}$ |  | 648 | 801 | $\cdots$ |
| 57 | Vagnadi | I | 30 | $\ldots$ | $\cdots$ | 3，879 | 7，448 | $\cdots$ | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | 8.970 | 7.448 |  |
| 58 | Vaghoda | I | 30 | $\ldots$ | ．．． | 145 | 425 | ．．． | ．．． | ．．． | ．．． | ．．． | $\cdots$ | $\cdots$ | 145 | 428 | $\cdots$ |
| 59 | Vagmala | I | 30 |  | ．．． | 850 | 469 | $\cdots$ | ．．． | $\cdots$ | ．．． | ．． | ．．． |  | $\begin{array}{r} 950 \\ 2,077 \end{array}$ | 483 | ．．． |
| 60 | Vanapal | I | 30 | ．．． | $\cdots$ | 2.077 | 4，356 | ．．． | ．．． | ．．． | ．． | ．．． | ．．． | ．．． |  | 4.956 | ．． |
| 61 | Varul | I | 90 | ．．． | $\cdots$ | 1，830 | 2.216 | ．．． | ．．． | ．．． | ．． | M． 1 | 1 | ．．． | 1，831 | 8，919 | $\cdots$ |
| 69 | Varwade ．．． | I | 30 | ．．． | ．．． | 418 | 769 | －．．． | ．．． | ．．． | ．． | M． 64 | 89 | ．．． | 483 | 851 | ．． |
| 63 | Vikran Budruk | 1 | 30 | ．．． | $\ldots$ | 1，508 | 2，24I | ．．． | ．．． | ．．． | $\ldots$ | ．．． | ．．． | ．．． | 1，309 | 9，441 | ．．． |
| 64 | Vikran Khura | I | 50 | ．．． | $\cdots$ | 290 | 922 | ＂． | ．．． | ．．． | ．．． | ．． | ＂＇＊ | ．．． | 980 | 822 | ＂ |
| 65 | Wetoda． | 1 | 30 | ．．． | $\ldots$ | 428 | 915 | ．． | ．．． | ．．． | ．． | ．．． | ．．． | ．．． | 428 | 915 | ．．． |
| $\cdots$ | Total，Groud 1 ．．． | $\cdots$ | ．．． | ．．． | ．．． | 72，859 | 140，318 | 809 | ．．． | ．．． | ．．． | 202 | 814 | 1810 | 78，061 | 1．40，627 | 200 |
|  | Grouy 11. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 68 | Ajnad | II | 111 | ．．． | $\cdots$ | 8，606 | 2，297 | ．．． | ．．． | ．．． | ．．． | $\left\{\begin{array}{lll}\text { M．} & & 3 \\ \text { P．} & 10\end{array}\right.$ | $\begin{array}{r} 9 \\ 14-8(6) \\ 10-8(8) \end{array}$ | $\} .$. | 2，619 | 8，244 | 230 |
| 67 | ABii－．．． | II | 111 | ．．． | $\cdots$ | 548 | 899 | ．．． | ．．． | ．．． | ．． | ．．． | ．．． | ．．． | 518 | 839 | ．．． |
| 68 | Babhlej $\quad$ ．．． | II | 1 u | ．．． | ．．． | 1.578 | 1，443 | ．．． | ．． | $\ldots$ | ．．． | ．．． | ．．＇ | $\cdots$ | 1.572 | 1.448 | ．．． |
| 69 | Bhorkheda， | II | 111 | ．．． | $\cdots$ | 1，3\％ | 1，083 | ．．． | ．．． | ．． | ．．－ | M．． 4 | 3 | ．． | 1，820 | 1，068 | ．．． |
| 70 | Dahindula ．．．． | II | 111 | ．． | ．．． | 750 | 640 | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | 750 | 640 | ．．． |
| 71 | Dahivad ．．． | II | 111 | ．．． | $\cdots$ | 5，146 | 4，024 | ．＂ | ．．． | ．．． | ．．． | ．．． | ．．． | $\ldots$ | 5，146 | －4，024 | ．．－ |
| 72 | Gertar ．．． | II | 111 | ．．． | $\cdots$ | 383 | 577 | ．．． | ．． | ．．． | ．．． | ．．－ | ．．． | ．．． | 888 | 677 | ．．． |
| 79 | Godi | H | 111 | ．．． | $\ldots$ | 502 | 948 | ．．． | ．．． | $\cdots$ | ．．． | ．．． | ．．． | ．．＇ | 508 | 848 | ．．． |
| 74 | Hadbhadi ．．． | II | 111 | ．．＇ | ．．． | 241 | 130 | ．．． | ．．． | ．．． | $\ldots$ | ．． | ．．． | ．．． | 841 | 130 | ．．． |
| 75 | Hisele ．．． | II | 111 | ．．． | $\cdots$ | 561 | － 396 | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | 581 | 806 |  |
| 76 | Nagajvadi | II | 111 | ．．． | $\cdots$ | 277 | － 368 | ．． | $\cdots$ | ．． | $\ldots$ | ．．． | $\cdots$ | ．．． | ． 277 | 189 | ．． |
| 77 | Nimtala | II | 111 | ．．＇ | $\ldots$ | 681 | － 644 | ．．． | ．．． | ．．＂ | ．．． | ．．． | ．．＇ | ．．． | 881 | 644 | ．．． |
| 78 | Saer ．．．． | II | 111 | ．．． | $\cdots$ | 1，008 | 685 | ．．＊ | ．．． | ．．． | ．．． | M． 7 | 4 | ．＇＊ | 1.015 | 829 | ．．． |
| 89 | Taradi | II | 111 | ．．． | $\cdots$ | 8，371 | 1，880 | ．．． | ．．． | ．． | $\ldots$ | ．．＇ | ．．． | ．．． | 2.871 | 1，880 | ．． |
| 80 | Thende | II | 111 | ．．． | ．．． | 1，670 | 1，069 | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | ．．． | 1.670 | 1，069 | $\cdots$ |
| 81 | Tonda ．．．． | II | 111 | ．．． | $\cdots$ | 1，225 | 1，108 | ．．． | ．．＇ | ．．． | ．．． | M． 2 | 8 | ．．． | 1.237 | 1.198 | ．．． |
| ．．． | Total，Gronp II ．．． | ．．． | ．．． | ．． | $\cdots$ | 20，886 | ＇16，897 | 01911 | ．．． | ．．． | $\cdots$ | 86 | 96 | 100 | 20，918 | 16，083 | 01911 |
|  | Groun tri． |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82 | Balsis | III | 13 | $\ldots$ | ．．． | 634 | 835 | ．．． | ．． | ．．． | ．．． | ．．． | ：． | ．．． | 684 | 385 | ．．． |
| 83 | Chandrar ．．． | II＇ | 1.8 | ．．． | ．． | 1，901 | 518 | $\cdots$ | ．．． | ．．＇ | ．．． | ．．． | ．．． | ．＂ | 1，201 | 518 | ．．． |
| 84 | Hingoni Khurd ．．． | III | 13 | ．．． | ．．． | 174 | 60 | ．． | ＊＊ | ．．． | ．． | ．．． | ．．． | ．．． | 174 | 60 |  |
| 85 | Jalod ．．． | III | 18 | ．．． | $\ldots$ | 865 | 382 | $\cdots$ | $\cdots$ |  |  |  |  |  | 865 | 8 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Kanheri |  |  | $\cdots$ | $\cdots$ |  |  | ＊＊ | －＊ | $\cdots$ | $\cdots$ | $\cdots$ | ．．． | ．．． | 95 | 807 | ．．． |
| 87 | Kherla ．．． | III | 13 | ．．． | ．．． | 860 | 254 | ．＂ | ．．． | －．． | ．．． | M． 4 | 2 | ．．． | 884 | 256 | ．．． |
| ${ }^{88}$ | Kua ．．． | III | 13 | ．．＇ | ．．． | 884 | 543 | ．．． | ．． | ．．． | ．．． | $\cdots$ | ＂• | $\cdots$ | 824 | 543 | ．． |
| 89 | Lekuki ．．． | III | 18 | $\cdots$ | －．＂ | 489 | 306 | ＊＊ | ＊＊ | ．．． | ．． | ＊＊ | －． | ＊＊ | 490 | 206 | ．．． |
| 90 | Makhede ．．． | III | 18 | $\ldots$ | ．．． | 238 | 154 | ＊＊ | － | ．． | ．．． | ．．． | ＂＇ | ．． | 238 | 154 | $\ldots$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

L-continued.


APPENDIX


L-continued.


## APPENDIX M.

Population and area of Government unoccupied land.


## APPENDIX M-continued.



## APPENDIX N.

The following papers contain the correspondence relating to the expiring Settlement: $\frac{1}{4}$

Selections from the Records of the Bombay Government. No. CCCLXXIII, New Series.

From

J. A. G. WंALES, Esq., M.A., I.C. S.;<br>.- Collector of West Khandesh;

To

The COMMISSIONER, Central Division, Poona.

Sir,
I have the honour to forward herewith a report from Mri J. Abbott, I.C.S., Assistant Settlement Officer, on the revision settlement of the Shirpur taluka.
2. This settlement, so far as the greater portion of the taluka is concerned, is the second revision settlement, the present settlement having been in force 19 years. In the case of 17 villages, the settlement is the first revision settlement, the period of original settlement being for 15 years. The settlement period was reduced in view of the future influence on the taluka of the Tapti Valley Railway.
3. The influence of this important means of communication, as evidenced in the statistics collected by the Assistant Settlement Officer, has fully justified the curtailment of the settlement period. The taluka itself is not traversed by the railway, but its headquarbers is only some 12 miles from Nardana station with which it is connected by the Bombay-Agra road. In the fair season, when the traffic along this road is very heavy, the Tapti does not offer much difficulty to carts ; numerous ferries ply as long as the depth of the water in the river requires $i$ t, and in the near future a causeway is to be built at this point of the road.
4. The area under cotton has steadily increased during the current settlement until now it represents half the cultivated area of the taluka. Shirpur has now seven gins and three presses as compared with three steamgins and 108 hand-gins in 1896; it will be noted that the hand-ginning industry has entirely disappeared. Along with this increase of area under cotton has gone a marked advance in cotton prices ; during the last ten years the average price has been almost double that of the ten years preceding the settlement. Prices of other produce have also increased considerably but not to the same extent as cotton.
5. The value of land has been nearly trebled in groups I and II and more than doubled in group III; rent statistics are somewhat scanty before 1912 but all the indications point to conisiderable advance in the prices under consideration. The present position is that in group I the average rent is 5 5 星 the assessment ; in group II and III it is very much higher.
6. The area of Government waste, which in 1899-1900 was insignificant ( 3.7 per cent), has been reduced by one-half and now represents only 1.8 per cent of the assessed cultivable land.
7. The number of cattle has more than doubled since $1900-1901$. It is clear from the figures of appendix $D$ that in the famine everything was sacrifioed for the agriculturists' valuable plough cattle. The increase in plough cattle is only 15 per oent, but little extension of cultivation wass possible during the settlement period, and the demand for plough cattle is little more than it was in 1900-1901. The explanation of the decrease in ploughs (less than 5 per cent) is to be found in the discontinuance of annual ploughing and the substitution of the hoe for the plough. The number of cows has increased two and half times; the number of she-buffaloes is nearly quintupled. Horses and ponies-a luxury-are two and three-quarter times as numerous as 1900 1901, and passenger carts-another luxury-have increased 21 per cent. Every well-to-do cultivator seems to keep his chhakda.

H $102 \rightarrow 10 a$
8. In these circumstances the increases in the rates proposed by Mr. Abbott oan well be borne, and I recommend their acceptance. Mr. Abbott keeps the old grouping in the case of the existing groups I, II and V , and proposes to amalgamate groups III and IV. The present rates for these two groups differ by one anna only. The position of the lower assessed group, in close proximity to the Bombay-Agra road, puts it on an equality with the group with which it is now proposed to amalgamate it. The incorporation of the villages in group IV with group III was proposed by the Deputy Superintendent, Deccan Revenue Survey, in 1898, but as they were being settled for the first time a slight difference was made in the rates as finally adopted by Government. It is unneoessary to maintain this distinction now.

I have the honour to be,
Sir,
Your most obedient servant,

J. A. G. WALES,

Collector of West Khandesh.

# Below letter No. S.R.V.-8 of 16 th March 1918 from <br> the Collector, West Khandesh. 

No. S.T.--184.
Poona, 17th May 1918.
Forwarded with compliments to the Commissioner, C. D.
We have recentily dealt with the Chopda Settlement on the east and Shahada and other talukas on the west. In this report, Mr. Abbott follows closely on the same lines. I propose to go at once to the root of the matter and not to make any further commentary on the rest of the report. What has been said for the other talukas applies sufficiently to this.
2. The features are the same as in Shahada and Taloda: We have a very large first group dropping with extraordinary suddenness to the third and fourth group. We have a vers large difference between the assessment of group I (Rs. 3) and the last three groups (Re. 1-3 to Re. 1). The rent and sale statistics show that the assessment is heavier on group I than on group II in proportion to the intrinsic value or profits of agriculture.
3. Since last settlement, a new railway has been constructed quite close to group I. The principal money-raising crop-cotton-has increased in area to 50 per cent of the total, and has increased enormously in price. Even if all the assessments were doubled, none of the groups could be regarded as overassessed. We have simply to adjust our increases to the 33 per cent limit and general considerations of equity and fairness. The proper re-settlement would consist of a substantial increase all round, but a much larger increase in the lower groups than in the upper, so as to reduce the altogether undue difference between them. As in Shahada, group I is too large, while groups III, IV and V, especially IV and V, are greatly under-assessed. As Mr. MuirMackenzie observed in 1897, in paragraph 10 of his No. S.- 974 of 28th June 1897, page 79 of Selection 373, the last 17 villages were not really assessed to a standard revenue but were given upon a sort of reclamation rate to attract population. There ought not to be any such limit as the conventional 33 per cent to the increase of groups settled in such circumstances, when it is abundantly shown that there has been an enormous development of prosperity since the settlement. It is also to be noted that we have given up in this taluka Rs. 20,000 in road tolls which used to be levied chiefly upon the movements of agricultural produce.
4. On the west, Shahada is under re-settlement. The Assistant Settilement Officer has proposed Rs. 2-15 for group I, but I have proposed Rs. 3-4, while a mile or two north of the Tapti the rate suddenly drops to Re. 1-5 in the group III villages adjoining Bhamta in Shirpur. On the east, the villages adjoining Shirpur are proposed to be rated at Rs. $3 \frac{1}{2}$. They are on the other side of the Aner and comparatively near to the market of Chopda. South of the Tapti, group I is bordered by Sindkheda with a maximum rate of Rs. $2 \frac{3}{4}$. due for revision in five years' time. Therefore we must safely say that it will soon be bordered by villages assessed at Rs. 3 虫 or thereabouts. The villages south of the Tapti have a great advantage in access to the railway at all times without crossing the river.
5. Now what we want to do is to fix a reasonable rate for group I, not entirely in discord with the three surrounding rates, and then to level up the taluka by reducing the distance between group I and group V as much as possible, and so arranging the groups that at any rate at next settlement we may get nearer still to a fair figure. At last settlement it was proposed as a very moderate rate to take Rs. $3 \frac{1}{4}$ from group I ind Rs. $2 \frac{1}{4}$ from group II. Butt those rates were cut down to Rs. 3 and Re. 1-11 because of the 33 per cent rule. Now, I think that the villages about and south of Shirpur are certainly the best, and not inferior to those of Shahada or Chopda. They lie between the proposed
rates of Rs. 3-8 on the east and Rs. 2-15 or Rs. 3-4 on the west. Mr. Abbott proposes a rate of Rs. $3-15$ which is higher than both. I do not think that this is fair. The group I rate in Shirpur should be Rs. $3-8$ and we should levy this rate in the best villages and we should curtail the size of the group and weed out a few villages to go down into group II which should be brought up closer to group I. If we are going to make such a reduction, then plainly the villages which should go into group II are those in the north-west which are farthest from the railway, farthest from Shirpur, and nearest to group III. Indeed, some of these villages like Bhamta actually border on those in Shahada which have lately been proposed to be assessed at Re. 1-5. We really cannot in any sort of fairness assess Bhamta at Rs. 3-15 and then step across the border of that village into Shahada taluka with the revised assessment of Re. 1-5 where conditions of climate, soil and communications do not differ even microscopically. Such grossly unfair appraisement of rates could not be dignified with the title of settlement. Therefore I propose that we should exclude from group I the villages of Bhamta, Vikran K. and Bk., Arthe K. and Bk., Vaghadi, Varol, Dagdi and Anturli on the Shirpur border on the ground of remoteness from Shirpur and proximity'to group III. Moreover, the statistics of sales and rents in these villages (see Vaghadi and Anturli) show that the present assessment presses more heavily upon them than upon the average of group I. Turning to the east side of group I, we must remember that the extreme northeast villages are close to Chopda and have a good road to that market. The villages which really are least favourably situated are those bordering on group II and not in the north-east corner. I select Hol, Ajanda Budruk, and Nantha, and the statistics show that the last two are not so lightly assessed as the average of group I. Taking these 12 villages out of group I and adding them to the 16 in group II, we can now raise the 28 villages of this new group substantially higher than Mr. Abbott proposes. Instead of Rs. 2-3 I propose Rs. 2-12 which will still be within 33 per cent upon the whole new group. This addition gives to group II precisely the additional assessment which Mr. Abbott laments his inability to obtain under the 33 per cent rule. in the way he proceeded.
6. We then come to the 39 villages in groups III, IV and V. These Mr. Abbott proposes to raise in two separate groups: 28 villages to Re. 1-8, and 11 only to Re. 1-5. My recommendation is that the whole 39 be raised to Re. 1-8. Their situation is fairly uniform : they are all on the hills: they all have a fair way to go to market. They are very lightly assessed indeed, and an extra half-dozen miles makes very little difference in the case of villages of this type. If we were approaching the limit to which their assessment could be raised, it would be perhaps desirable to scrutinize the group and see whether there were some villages which could not bear the full increase and should be shut off into a fourth group. For instance, if I were proposing to assess group III at Rs. 3, I should certainly look round and see whether there were not ten or a dozen villages which it would not be fairer to assess at Rs. 2 or thereabouts. But the rate of Re. 1-8 which is proposed, although it intentionally exceeds 33 per cent of the group, keeps well within 33 per cent for the whole taluka (because of the reduction in group I) and is fully justifiable in view of Mr. Muir Mackenzie's commentary on the last settlement and the statistics now before us.
7. As in the other talukas north of the Tapti, the need of the bridge over this river is very great, especially on the Bombay-Agra road. Probably the need of this bridge at present ranks as high as that of any other in the Presidency, and its construction will justify substantial improvements in the assessments at next settlement. We may take it that group I of Shirpur is now assessed at least 4 annas an acre below what it would bear, if this bridge had been constructed and thrown the taluka open for railway communications in all seasons. Probably a rate of even 2 annas an acre would easily pay interest on the cost of such a bridge.
8. In notice one or two small points in Mr. Abbott's report.

In paragraph 28 he confuses the gross produce with profits. Sales of the entire crop obviously cannot represent the net profit.

## 43

In paragraph 11 he uses the term "fallow" for unoccupied unsown land. It is a common error, but it would be well to avoid it in writing of settlements.

I quite concur that Sikval should be transferred to Chopda.
F. ANDERSON,

Settlement Commissioner and Director, Land Records.

# Below No. S.T.-184, dated 17th May 1918, from the Settlement Commissioner and Director of Land Records. 

$$
\text { No. A.-416 of } 1918 .
$$

Poona, 5th June 1918.

## Submitted to Government.

2. For the reasons given by me in my remarks on the Shahada report I do not much like the Settlement Commissioner's proposals. It is true that we cannot logically justify maxima of Rs. $3 / 15$ and Rs. $1 / 5$ in adjoining villages. But Mr. Anderson's alterations really go a very short way towards bettering the position, while they substitute for a grouping which was adopted by experienced officers, who knew the local conditions, and which has been accepted by Government, and has worked well, another grouping which is based upon little more than a serutiny of the map. Is it worth while doing this? The 33 per cent. rule no doubt handicaps us, and I have consistently pointed this out to Government. The papers of this very taluka show that the rule was not liked by the Commissioner of 20 years ago. . Nevertheless we must not exaggerate the case. If we had no rule at all, still common prudence and common fairness would prevent any such rise in the lower groups as would bring the whole settlement into a position logically defensible. And as time goes on the various groups will tend to come nearer to one another. It is likely that 30 years hence we shall be able to raise the lower groups another 33 per cent., but not the first group.
3. I would therefore accept Mr. Abbott's proposals subject to the same slight modification as I have proposed for the Shahada taluka. The first group mayas in Shahada-go up a full $33 \frac{1}{3}$ per cent. to Rs. 4, and the second similarly to Rs. 2/4. The fourth group may be Rs. $1 / 6$, which is so slightly in excess of the standard that it may be allowed.

C. N. SEDDON,<br>Commissioner, C. D.

Revenue Survey and Assessment.
West Khándesh.
Revision settlement of the Shirpur taluka.
GOVERNMENT of BOMBAY.
-Revenue Department.
Resolution No. 7361.
Bombay Castle, 15th July 1918.


#### Abstract

Memorandum from the Commissioner, C. D., No. A.-416 dated 5th June 1918-Submitting, with his remarks, the papers specified below*, containing proposals for the revision settlement of the Shirpur táluka of the West Khandesh district.


* Letter from Mr. J. Abbott, I. O. S., Assistant Settlement Officer, Khindesh, dated 26th Deoember 1917 with sccompaniments.

Latter from the Colleotor of West Khéndeah, No. S.R.V.--8 dated 16th March 1918.
Memorandum from the Settlement Commissioner and Director of Land Records No. 8.T.-184 dated 17th May 1918.
Memorandum from the Commissioner, C.D., No A.-416. dated 13th June 1918 Submitting, together with a letter from the Collector of West Khándesh No. S.R.V.-- 8 dated 11th May 1918 and a memorandum from the Settlement Commissioner and Director of Lasnd Records No. S.T.- 184 dated 27th idem a petition of abjections from the villagers of Pilode in the Shirpar taluka

Resolution.-These papers contain proposals for the re-settlement of 120 Government villages in the Shirpur taluka of the West Khándesh district. In 103 villages the first revision was introduced in 1899-1900 and in the remaining: 17 villages an original settlement was introduced in 1902-03.
2. The Assistant Settlement Officer's report and the appendices thereto afford abundant evidence that Shirpur taluka has shared to the full in the considerable increase in agrioultural prosperity which the trans-Tapti tract of Khándesh has enjoyed during the settlements now expiring. Government accept the general conclusion that the taluka can bear. the full extent of increase in assessment permissible under the rules.
3. The Governor in Council accordingly approves of the grouping. proposed by the Assistant Settlement Officer and of the rates as. slightly modified by the Commissioner, C.D., in paragraph 3 of his memorandum No. A.-416 dated 5th June 1918, subject to the furthen modification that the rate for group III should be raised to Rs. 1-9-0 instead of to Rs. 1-8-0. The rates sanctioned by Government are shown in the appended statement. .
4. The proposal made by the Assistant Settlement Officer in paragraph 15 of his report to assess the lands specified therein at dry-crop rates is approved.
5. The revised rates should be introduced during the current year 1917-18, levied from 1918-19 and guaranteed for a period of 30 years.
6. The petition of objections does not disclose any grounds: which would lead Goverament to modify the orders now passed.

A. F. L. BRÁYNE,<br>Undex Seoretary to Government.

To
*The Commissioner, C. D., The Director of Agriculture,
*The Collector of West Khándesh (with a petition of objections),
*The Settlement Commiseioner and Director of Land Records.

The Accountant General,
The Public Works Department of the Secretariat,
The Government of India (by letter).
*Also by endorsement No. 6861 dated 28th June 1918.

Statement referred to in paragraph 3 of Government Resalution No. 7361 dated 15th July 1918.

| Group |  |  |  | Number of villages. | $\begin{gathered} \text { Maximum dry- } \\ \text { crop rate. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Rs. a. p. |
| I | ... | ... | $\ldots$ | 65 | 400 |
| II | ... |  | .. | 16 | 240 |
| III | $\ldots$ | $\ldots$ | $\ldots$ | 28 | 190 |
| IV | ... | ... | ... | 11 | 160 |
|  |  |  |  | 120 |  |

REVISED APPENDIX L.

Effect of Revision Settlement proposals on Government occupied


## APPENDIX L.

land in Shirpur Táluka of the West Khándesh District.



L-continued.


REVISED APPENDIX


L-concluded.


One village Sikyal has been tranaferred to OhoDda Thluke.
V. B. MARDHEKAR,

Superintendent, L. R., C. D.


* The village sikwal has been transferred to Chopda taluka




$$
\begin{gathered}
S R \beta G\left(N^{5}\right) 578 \\
(1920 ?)
\end{gathered}
$$

From

J. ABBOTT, Esquire, I. C. S., Assistant Settlement Officer, Khandesh;

To
The SETTLEMENT COMMISSIONER; Poona.

Khed, West Khändesh, 27th February 1918.
Sir,
I have the honour to submit herewith proposals for a revision settlement of the Government land of Shahada Táluka, District West Khándesh, a settlement that will, in the case of 152 villages, be the second revision settlement. My report deals with 163 Government villages and with the Government land in 5 inam villages. The current settlement of the former villages was introduced in the years and under the authority quoted below and was guaranteed up to the revenue year 1917-18:-

2. The settlement of the Government land in the inam villages was introduced in the year 1902-03 under the authority of the Survey Commissioner's letter $\mathrm{S} / 2315$, 20th December 1899 ; it also was guaranteed up to the year 1917-18. Such Government land lies in the inam villages of Torkheda, Abhanpur Khurd, Abhanpur Budruk, Kakarda Budruk, and Khed; there is none in the remaining inám villages of the talluka.

## Position and Physical Features.

3. The tàluka in geographical aspect is not so simply framed as are its neighbours to the east and west. In general it is a plain with an abrupt boundary on the north-western side where it runs to the foot of the Satpuras; southwards, too, it has an equally clear boundary in the Tapti river, but west its boundary contiguous with the Taloda Taluka is. an artificial one as is its boundary on the north and on the east. Within these boundaries it is an irregular level disturbed, as none other of the north Tapti Talukas in this district, by violations of its uniform appearance. From the fringe of the forest on the east low hills of barren ground stretch fancise almost up to the tsluka town ; south of Shahada, too, lie a few scattered hills' with the peculiar isolation that often marks trap formations, and the road from Shahada to Sarangkheda is itself an illustration of many levels.

Through the tajluka obliquely from north-east to south-west flows the main river within the táluka and its tributaries; the main road from Shahada to the Barwani State takes the same direction, and west of this medial belt the plain assumes the simplicity of the plain of the Taloda.
Soil.
4. The soil of the taluka is a rich black soil fertile and retentive of poisture, and whilst not so universally rich as in the Taloda Taluka, it is pparently far more uniform than in Shirpur Taluka, for a study of the proportion of the maximum revenue at existing rates in these three talukas that is actually recovered under our soil classification system shows the medial position of this taluka.

| Taloda |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| Shadada | $\ldots$ | $\ldots$. | $\ldots$. | 85 |
| Shar cent. |  |  |  |  |
| Shirpur | $\ldots$ | $\ldots$ | $\ldots$. | 67 |

## Climate and Rainfall.

5. The notes appended to Appendix A explain fairly clearly the nature of the rainfall recorded. The record of rainfall is, however, a record of the fall at Shahada only, and for accurate discrimination the táluka ought really to be divided into three parts ; (a) a northern and eastern portion curving from Velawad to Shrikhed and thence to Tarhad, a strip that would comprise the major part of groups IV and V; (b) a southern tract along the bank of the Tapti, and (c) the inner semi-circle between these outside rings. Appendix A is thus applicable only to that inner semi-circle, and its figures would be normally too small for the first tract and too large for the second. The difference in rainfall from tract to tract is probably an annual average of some 4 inches.

A similar division of the táluka is required to describe with strictness its climate. Along the edge of the Tapti the country is treeless; in the cold weather it is dry and free from malaria; in the hot months of April and May its heat is oppressive. These characteristics change as one passes from the river to the outer boundaries of the plain on the north and east; the heat in the hot months becomes slightly less and the malaria in the cold weather considerably more, and the climatic conditions of Shahada itself are but a mean of the extremes in the taluka. If not one of the pleasantest talukas in Khándesh, this táluka is at least one that has outworn the old traditions of the unhealthinesss of the district.

## Crops and Cultivations.

6. Not only with reference to its soil, but with reference also to its crops, the taluka occupies the same intermediate position as it does in geographical situation between the tálukas of Taloda and Shirpur. A brief table, I think, will illustrate this far better than any description of mine.

| Taluka. |  | Wheat. | Cotton. | Jowári, | B6juri. | Oil sceds. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Taloda | ... | 28.96 | -13.14 | 18.49 | 4.61 | $17 \cdot 79$ |
| Shahada | ... | 16.94 | 36.77 | $13 \cdot 19$ | 17.62 | -5.26 |
| Shirpur | *.. | 6.07 | $49 \cdot 57$ | $6 \cdot 11$ | 27.88 | $8 \cdot 86$ |

These figures give percentages of the entire táluka crop in each case but they cannot illustrate, being figures for the whole talukas, how nearly the western portion of the Shahada Taluka approximates in its crops to that of Taloda.
7. The linseed crop is all exported to Bombay; of the seed of tili and Ambadi some is exported, a little is locally pressed by the local country presses (35) and oil-cake made therefrom for the use oi cattle. There is no export of oil-cake. There is no San cultivation in this taluka; the higher classes have a superstitious belief that its sowing brings ill luck, and should it be cultivated by them its sowing must be performed by Bhils. The figures of oil seed cultivation, with their rapid and uneven descent in the tálukas I have illustrated, indicate accordingly the decrease in the Bhil population as one passes east with as much lucidity as the actual figures of population.
8. Cotton is generally sown in rotation with other crops; it is rarely mixed with other crops, though a sprinkling of Ambadi is a common feature of an ordinary cotton field. Annual ploughing in the case of cotton cultivation is dispensed with, and a bullock drawn hoe is used instead of a plough to supplement the ploughing that occurs when the land is used in turn for other crops. Of the cotton sown about 37 per cent. is of a long staple variety, to judge from the produce received by Messrs. Ralli Brothers of Dhulia through whose courtesy I am able to present these figures; though an improvement has occurred in the crop since the introduction of new seed by the Agricultural Department the taluka outturn is in general of a purely ordinary kind. There has been no marked tendency of recent years for the cotton crop to forge ahead of the other principal crops, though to-day it is 36.77 per cent. of the entire crop of the taluka as compared with 27.5 per cent. in 1897. The following table represent-
ing quinquennial averages of the acreage under the principal crops will enforce this conclusion:-

9. As yet another table shows there has been a marked change in the respective proportions of the kharif and rabi crops.

|  | Kharif. |  | Rabi. |
| :---: | :---: | :---: | :---: |
|  | Acies. |  | Acres. |
| 1902-06 | 105,627 |  | 40,616 |
| 1907-11 | 118,982 |  | 32,168 |
| 1918-16 | 102,445 |  | 50,349 |

This change is mainly due to a growing preference for rabi jowéri. The kharif jowari is of three kinds: Nirmali, Ankadi and Gangad, of which the first is the one most commonly sown. The rabi crop is of two kinds: Gavarani, which is used over the larger area, and Gotyachi, a saperior kind, of which the seed is imported. From the year of the last threatening famine it is said that the agriculturists derived a lesson on the value of fodder, and have gradually taken to the cultivation of the rabi jowari as this yields a sweeter and more wholesome fodder than the kharif varieties. Before 1910 there was no such rabi sowing, and in that year and in 1911 the area so sown was only a few hundreds of acres, but in 1912 the usual proportions of kharif and rabi cultivation were completely upset by an acreage of 27,032 acres under rabi jowári and, though that acreage has never yet been repeated, the acreage under rabi jowari remains high. Since 1902 the figures of khaxif and rabi jowári have been in quinquennial averages.


The main crop of bajri as of gram is of a local type. The wheat sown is a mixture of the local type with the banshi variety common in Khándesh. Of Tur there are two varieties : Satbari, which is in general demand, and the variety grown in the Taloda Taluka (Mahuri), which is rarely sown.
10. There is no true fallow system in the taluka. In the groups where the Bhil tends to gather his careless husbandry and the proximity of the jungle, which is synonymous with more recent clearance than elsewhere, fallow represents as a rule indifferent cultivation. In group III a portion of the fallow land is due to the barren and stony nature of ground which encourages any tendency to cultivate only the best land, and in group I there are sufficient variations from the uniformity of the plain to promote fallow. Yet the area of fallow in the open plain of group $I$ is in proportional percentage almost as low as in the similar plain of Shirpur, and less than half of that in the southern and better parts of the plain of Taloda, and the percentage for the whole taluka compares very fadvourably with that of those other talukas.

Percentage of entire occupied area that is
fallow.

|  |  |  | In the whole taluka. | In group 1. |
| :---: | :---: | :---: | :---: | :---: |
| Talodn | $\ldots$ |  | 6.84 | 46 |
| Shirpur | $\cdots$ |  | 9.29 | $1 \cdot 59$ |
| Shahada | ... |  | $4 \cdot 23$ | 1.7 |

Manuring with cowdung is unsystematically done every year. Irrigation.
11. In 1897 five acres of patasthal land in the villages of Mohide Khurd Patastbal. and Hol were assessed at maximum patasthal rates of Rs. 10. By G. R. 2132 of 1st March 1909, the area in the former village was converted into jirait land. The remaining land at Hol ( 3 acres 33 gunthás) still pays water rate though the pat has been in disrepair some years, and the records show no irrigated crops in it since 1900.
12. The second group of numbers paying water rates is situated on the Gomi river. By G. R. 2444 of 12th March 1906 a consolidated rate of Rs. 8 was sanctioned for this land. This area has experienced small changes since 1906," and land in one new village has been incorporated therein. In perhaps somewhat unnecessary detail I tabulate here the fluctuations in this area.

| Village. | Ares sccording to G. R. No. 244406. | Increase. | Decrease. | Authority. |
| :---: | :---: | :---: | :---: | :---: |
| Shahada ... | $\begin{array}{rr} \text { A. } \\ \text { g68 } & 28 \end{array}$ $\qquad$ $\qquad$ ...... | A. g . <br> B 28 <br> 425 | $\begin{gathered} \text { A. } \\ \ldots \\ \cdots \\ 0 \\ \hline \cdots \\ 0 \end{gathered}$ | Exeoutive Engineer No. 2697 of 21st June 1906. <br> Collector No. 794-911 of 17th June 1907. Collector No. 719 of 16 th June 1908. Collector No. 4719 of 3rd September 1910. |
|  |  | $0 \cdots 29,$ | $\begin{aligned} & 0 \\ & 1 \\ & 1 \\ & 26 \\ & \ldots \end{aligned}$ | No. 756 of 15th February 1909. Collector No. 487 of March 1914. Collector No. 8248 of 1st August 1914. |
| Lonkheda ... | ¢9.. 11 $\ldots \ldots .$. $\ldots .$. | $\begin{array}{rl} 17 & 22 \\ 1 & 33 \\ 5 & 17 \\ \ldots \end{array}$ |  | Collector No. 7 of 2 nd October 1915. Collector No. 756 of 4th February 1908. Collector No. 2317 of 21st April 1908. Government Resolution, Revenue Department, No. 1194 of sth February 1913. |
| Kukdal | 6285 $\ldots \ldots \ldots$ | $1 \cdots$ | 011 | ```Colleotor No. }808\mathrm{ of 12th December 1906. Collectpr No. }6\mathrm{ of 2nd September 1916.``` |
| Dongargaon <br> Maloni .. | $\begin{array}{ll}66 & 1 \\ 47 & 8\end{array}$ | $7^{\cdots 18}$ | $\cdots$ | Collector No. 5861 of 14th April |
| Tembhli . ... | 1230 | 28 | $\cdots$ | Collector No. 603 of 16th. February 1915. |
| $\begin{array}{lcc} \text { Mohids } & \text { Brãruk } & \ldots \\ \text { Asus } & \ldots & \ldots \end{array}$ | $49 \quad 27$ | $18^{\prime \cdots} 16$ | $\ldots$ | Collector No. 4810 of 25th September 1910. |
| Total ... | 80015 | 6821 | 40 |  |

Of this total area of 860 acres, 131 acres only are under garden crops and 142 acres under fruit trees; and of this garden cultivation a little more than balf is in the village of Shahada. For the most part the water is used for cereal cultivation.
13. I submit the figures of sales of the irrigated land that I was able to obtain; they do not include sales of land bearing fruit trees as it would have been impossible to value separately in these cases the land itself.


The average sale value of this patasthal land is thus Rs. 359 an acre as contrasted with Rs. 158, the value of dry crop land per acre in the first group
in which all these villages lie. Of leases I could find only one recorded instance; this was of a lease at $6^{\circ} 42$ assessments in the village of Shahada. By itself its value is of coursévery little.
14. As I venture to disagree with the Executive Engineer as to the solution of the patasthal question in this taluka I will analyse the opinion he has expressed. As regards the patasthal land at Hol, he remarks that this land cannot conveniently be irrigated from the Shahada channel and should be converted to jirait land. I do not quite understand what he would precisely indicate by the Shahada channel. The irrigation of this land is not from the Gomi bandhara which I believe is usually referred to as the Shahada channel. The irrigation at Hol is based on a kacha dam of private ownership which can easily be put into repair : on the question whether perennial irrigation is possible from that dam which is on the Sasari river the cultivators themselves entertain no doubts as to its possibility, and have expressed a wish that the water rate be continued, and I think that if in the case of failure of water in any year remission of the water rates were given the continuance of a water assessment would be without objection.
15. In the case of the land on the Gomi bandhara, the Executive Engineer, I understand from informal discussion, is opposed to any raising of the patasthal rates, and I have not had recently any fresh opportunity of re-opening with him the question. His opinion, however, seems to be based upon the fluctuations in the temporary bagait cultivation on that dam and the failure of cultivators to respond to the facilities afforded for irrigated cultivation. For the whole correspondence dealing with the question of raising the seasonal water rates on this temporary irrigation, I would invite reference to Order No. A-1-4066, P. W. D., 16th April 1917, which order discountenanced any change in the existing rates for five years.
16. It is impossible to dispute the facts mentioned in the Executive Engineer's letter 24543 of 25th November 1916, and I might almost add to them by saying that the area of temporary irrigation on the Gomi dam fluctuated between 1911 and 1915 from one extreme of 722 acres (1911-12) to one of 93 acres (1913-14). The greatest fluctuation occurred in the case of garden crops which in 1911-12 covering 129 acres never passed 25 acres in subsequent years; and in the case of cereal cultivation, other than that of wheat; which covering 125 acres in 1911-12 fell to 1 acre 16 gunthás in 1912-13 and thereafter was never undertaken at all. This temporary cultivation is for practical purposes one of wheat only at the present moment.
17. To apply however the conclusions drawh from a consideration of this irrigation to a consideration of the permanent irrigation does not seem to me quite justifiable. The area permanently settled on the Gomi dam has shown an appreciable increase of 65 acres, and the selected figures of sales that I have given illustrate the increased value added to the ordinary jirait value of land by the presence of irrigational facilities.
18. My own proposal is to separate completely the soil and water rates paid on the numbers irrigated by pat; to increase the soil rate by the same proportion that the soil rate of the ordinary dry crop cultivation is increased in the same group, and to add to the water rate an increase of four annas in the rupee. I do not, however, suggest any such increase in the water rate for the land at Hol. This land already pays a consolidated maximum rate, that is, Rs. 2 higher than that paid by the land on the Gomi dam; in the latter case again the water rate admittedly represents interest on. capital expenditure incurred by Government, in the former case any expenditure incurred in maintaining or reconstructing the dam falls to the cultivator solely.

Motasthal.
19. The area under motasthal irrigation, though double the area shown under such irrigation in 1897 ( 409 acres), is still not large ( 850 acres). It is assessed at dry crop rates and I propose no change. Water is found in the taluka at a depth varying over the greater part of the plain from 10 to 30 feet ; along the Tapti edge the depth of existing wells is greater, as also at the foot of the Satpuras, and at places like Dongargaon where the uniformity of the plain is rudely broken by barren hills. A few more than half of the wells in

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the taluka designed for irrigation, and classified as wells for that purpose, are used only in years of famine.

## Live and Dead Stock.

20. The cattle census is taken in June, which month though very near to the date on which cattle from outside places come into the forests of the taluka for grazing, is sufficiently early to guarantee that few immigrating cattle are included in the census of the taluka. The total number of cattle in the taluka in 1915-16 was 46,837 ; in 1898 it was 46,185 . In the famine of 1899 more than half the cattle of the taluka perished, the census of that year showing the number of cattle as 22,747 , and the tiluka has only just succeeded in making up the losses of that year.
21. There is little cattle breeding in the táluka, though some 25 landowners keep herds of cattle for breeding purposes in forest villages for the greater part of the year, bringing them to their own villages only in the hot season. The local supply from private herds is, therefore, very limited, and local needs are met at the Shahada and Dhondaicha markets by importation, the import trade being in the hands chiefly of Mahomedans; Vanjaris and Jats; the Shahada cattle market held weekly offers sometimes on one day some 700 cattle for sale. The buils kept by private breeders are of the Khilari type; the cattle imported are from Nemad and Malwa.
22. Appendix D shows an increase in every form of live stock since 1899 save sheep, and these are as in all the north Tapti talukas of this district an unimportant factor. In the last few years there has been a tendericy for the number of ploughs to decrease ; decrease there has been in the two first groups since 1908, and the present number of ploughs augmented by an increase in the ploughs of the partially developed groups is only just what it was 9 years ago. This tendency in other tilukas is far more marked, and in other reports I have suggested that the increase in cotton cultivation, wherein annual ploughing is dispensed with, may account in part for this phenomenon of recent appearance.

## Communications.

23. Communications have changed but slightly during the period of the present settlement. The main road in the taluka is that which coming from Dhondaicha, south of the Tapti, connects the taluka town with the railway. A prolongation of this road north of Shahada under construction for 8 years was finally completed in 1914, and there is now a metalled high road cutting the tiluka in halves running from Sarangkheda on the Tapti to Khed on the border of the Barwani State. As far as Shahada from the river this road is bridged almost throughout its length, but north of Shahada the bigger nalas that it crosses still remain without bridges.
24. The other communications of the taluka are country tracks, among which figures the road from Shahada to Shirpur that in so many maps appears erroneously as a metalled high way. For much of its length within the táluka it is a road that requires little expenditure to render it quite a good track, but as it approaches the Shirpur Táluks near Tarhad it becomes an aggravated switchback across numerous nalás and is almost useless for wheeled traffic. Radiating from Shahada itself are four other principal tracks of the ordinary type; the first leads north-east through Wadgaon and is a route frequently followed by persons from the Barwani State, the second leads via Shirud to the Tapti, and thence to a railway station nearer to the talukia town than is Dhondaicha, and so even in its unmetalled condition is something of a rival $t$, the metalled road from Dhondaicha ; finally the last two are the roads that connect Shahada with Taloda, the one following the ancient alignment by Prakasha, the other steering a straighter course by Vaijali and both passing through so much black cotton soil as to be practically impassable in periods of the rains.
25. From the centre of the taluka, it is accordingly not difficult in normal seasons to reach any , portion of the talluka but to travel from east to west or west to east north of the centre. is a task of much trouble, for the Gomi river and its tributaries cut through the plain from north-east to sóuth-west, and there are no defined routes of inportance that cross that broken belt.
26. There is no record to show the existence of any toll-bar on the roads before 1902: In that year a toll-bar was erected on the Sarangkheda-Shahada road at a natural cleft in rising ground at Anrad through which the road runs; this was subsequently removed to Sarangkheda, and in 1915 was transferred across the river to the opposite bank, only to be replaced at Sarangkheda this year. During the years 1903-17 the auction value of this toll has fluctuated between Rs. 3,250 and Rs. 5,010, save in the two years 1909-10, when it realised only some Rs. 2,000.
27. On the river Tapti there are no Government ferries; at Prakasha and Sarangkheda there are public ferries to which the Ferries Act is made applicable, and at Nandarkheda, Shelti, Sasda, Bamkheda, Tembhe, Fez and Torkbeda are private ferries. As is the case with all the north Tapti talukas the unbridged river is a great inconvenience, but fortunately save in the case of early harvested cotton, and much of this is ginned at Shahada, the river is not a great obstacle when the taluka crops are ready for export. In a similar way the taluka shares with all the talukas north of the river the new advantages that have accorued since the opening of the Tapti Valley Railway, to which it has easy approach at Dhondaicha.

## Fairs and Markets.

28. Weekly bazars are held at Shahada, Sarangkheda, Prakasha and Torkheda. The sales at Shahada may approximate to Rs. 8,000 in a day, but the other bazars are unimportant and satisfy local requirements only. To the Shahada bazar vendors from Surat and Bombay come with the modern merchandise of European manufacture that one finds in all Indian country bazars. Timber from the forests, cattle from Nimad and Malwa increase the importance of Shahada as the chief Emporium of the taluka. Cotton ginned in the Barwani State comes to Shahada to be pressed, and a certain amount of grain comes from the same State to the Shahada market. Yet in spite of its position and spite all the signs of increased prosperity in the taluka, the population of Shahada has actually gone down since 1899. As I have remarked in my report on the Shirpur Tajuka, it is a fact hard to explain, but none the less true that the taluka towns north of the Tapti in West Khándesh reflect poorly the growing wealth of the talukas. Shirpur Budruk shows no change in its population, Shirpur Khurd but little change and Shahada has even lost ground:

There are four annual fairs in the taluka associated in each case with religious custom. The largest of these which attracts a gathering of 4,000 is at Sarangliheda; others are at Pingani, Untavad and at the confluence of the Gomi and the Tapti where local traditions see in Prakasha a more ancient place of pilgrimage' than Benares.

## Wages.

69. In the matter of labour the taluka has a supply which in general is too small to meet its demands, and from January to the middle of March there is an invasion into the taluka of harvesters from Násik, Ahmednagar and the Barwani State. The average wage of unskilled labour is probably five annas a day, and that of skilled labour between twelve annas and one rapee, but the conservatism and immobility of local labour results in many local variations in these wages from village to village.
70. The Saldari system once notorious as a species of commercial slavery still continues, but without its most noxious aspects and, though the hold of capital is still no light one, labour has its own methods of declaring its independence which are more successful by reason of the irresponsive supply of labour in the tiluka. The details of the Saldari contract vary slightly but the allure to the labourer of this system of service is the advance payment of grain or cash. By G. R. 11166 of 4th November 1908 it was pointed out that the Breach of Contract Act 13 of 1859 did not apply to such Saldari contract which could be enforced only by Civil Suit. . From a reference to the Civil Court I find that the number of Civil cases instituted against Saldars of this taluka since 1908 has been 53 only, for, in view of the latitude of decision allowed to the Court, this method of enforcing contract is an unpopular one.

## Industries.

31. Appendix E shows the extreme limitations to the industries of the taluka. The ginning factories are at Shahada, Sarangkheda and Prakasha. As in so many talukas of the district there is not sufficient work to keep all these factories going in the taluka, and by mutual arrangement among the proprietors they are worked in rotation. The cotton press at Shahada is patronized by cotton owners of the Barwani State. who send there cotton that has been ginned within the State.

## Population.

32. The population contains many elements but, if the Bhil gives their atmosphere to the conditions of the Taloda Taluka and the Kunbi to those of Shirpur Táluka, the Gujar factor is the most important in this tsluka.

As regards the Bhil there are 19 villages occupied exclusively by his casle and throughout the taluka his numbers are about 18,000 as compared with 16,275 , the figures given in the settlement report of 1894 and 1899. His holding in the táluka is nearly 10,000 acres which is distributed among the various groups in the following percentage of the entire occupied land :-

| Group I. | $\ldots$ | $\ldots$ | $5 \cdot 12$ | per cent. |  |
| :---: | ---: | :--- | :--- | :--- | :--- |
| $"$ | II | $\ldots$ | $\ldots$ | 3.96 | $"$ |
| $"$ | III | $\ldots$ | $\ldots$ | 1.08 | $"$ |
| $"$ | IV | $\ldots$ | $\ldots$ | 8.80 | $"$ |
| $"$ | V | ... | $\ldots$ | 46.00 | $"$ |

His largest holdings are in groups I and IV in each of which he has about 4,100 acres.
33. The Vanjari with his picturesque womenfolk is an element chiefly conspicuous on bazar days as he is one of the mediums through which the cattle import trade of the taluka is conducted. His numbers are few (505) and dwindling and, as far as West Khándesh is concerned, his race would seem to be disappearing. This tendency has been noticed in Shirpur Taluka since the settlement of its villages fifty years ago, and I have remarked its continuance in every taluka that I have examined. And not only this but the Vanjaris themselves apparently are well aware of the change in their position, and from conversation with some of their patels I find that their explanation thereof is not emigration but increased susceptibility to disease.
34. The population of the taluka in 1891 was 64,733 ; in 1901 the Imperial census showed it to be 59,758 , thus manifesting the effect of the famine of 1899 . The census of 1911 gave a population of 68,409 . I should have liked to illustrate the importance of the Gujar element by statistics of its. growth; all I can say, however, is that the Vanis, with whom the Gujar has been incorporated at past censuses, increased from 4,992 to 11,247 in the period 1901-11. The average annual number of births and that of deaths daring the last 5 years have been respectively 3,408 and 2,780 .
35. There are 40 public and 5 private schools in the táluka as contrasted with 19 schools in 1898. The average attendance at the schools is now 2,358 ; in 1898 it was 1,204. There is one small girls' school.

Agriculturists and non-agriculturists.


These figures submitted by the Mámlatdár have been given on the interpretation of non-agriculturist as a man who derives a portion of his income from sources other than land. The definition is somewhat unsatisfactory, and I venture to add a few further facts by way of comment upon the above table.
36. As in Taloda Taluka there is a permanent class of lessees numbering some 470 who have no land of their own, and a corresponding class of landholders who never themselves cultivate or superintend the cultivation of their fields. Of the latter class, there are about 1,000 and the area held by them is some 8,500 acres. Finally there is that type of agriculturist who lives outside the táluka and cultivates through an agent, or leases out his land; an area approximating to 2,500 acres is held in this way. In the matter of non-cultivating landholders and of absentee landlordism the tiluka, as it does in so many other respects, occupies a medial position between the Táluka of Taloda and that of Shirpur; for in the latter there is no regular class of leases without land of their own.
37. Figures of mortgage, too, have their relevancy in discussing the position of the non-agricalturist, for the mortgagee is more often than not a manner of non-agriculturist with an unstable holding; the area of mortgaged land in the taluka has changed but little in the last six years from an annual average of 1,000 acres.

Classification of Holdings.

| Details. | 1900-01. |  | 1905-06. |  | 1910-11. |  | 1916-17. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. of holdings. |  | No, of holdings. |  | No. of holdings. |  | No. of holdings. |  |
|  | Khalsa. | Inam. | Khalsa, | Inam. | Khalsa, | Inam. | Khalsa. | Inam. |
| Up to 5 acres | 894 | 42 | 826 | 46 | 240 | 42 | 1,110 | 45 |
| 6 to 25 " ... | 8,598 | 434 | 4,356 | 436 | 4,334 | 435 | 5,389 | 450 |
| 26 to $100 \%$... | 1,816 | 88 | 1,845. | 97 | 1,852 | 88 | 1,657 | 32 |
| 101 acres and more ... | 186 | 9 | 119 | 18 | 127 | 9 | 288 | $\cdots$ |
| Total 'i.e | 6,878 | 573 | 6,646 | 592 | 6,558 | 674 | 8,884 | 527 |

Sales.
38. All the datails of Appendix $G$ have been secured by examination of the parties to the sale. All sales that took the form of concession to family relationship or previous financial relationship; all sales by court decrees; all sales that were conditional, comprised lands of different villages or included considerations other than that of the land in question, have been excluded and the appendix may be regarded as testifying to genuine competitive sales of land within the specified periods. These are cash sales of dry crop land only as the irrigated area is small in the taluka. Finally a few instances of abnormal sales have been excluded from the uncorroborated figures of which useful deductions could not be made, and the figures offered are those of representative villages only, though many other villages were examined in the process of collecting sufficient statistics.
39. The method by which Mr. Fforde abstracted the value of sales for the period 1890-94 militates against any really useful comparison of those values with those of to-day, for nothing was then done apparently to exclude abnormal instances, and more than a tenth of the instances recorded are considerably higher in their multiple of assessment than any I have been able to obtain for my first period 1899-1903, though I am aware that those years were years the prices of which were effected by famine. Mr. Fforde's average, therefore, I think can safely be regarded as an over-estimate for the poriod it represents, if values for that period be determined according to the methods I have adopted in preparing the averages of to-day. His average, however, of Rs. 32-3-2 per acre or 29 assessments, such as it is, illustrates the great rise in values during the period of the current settiement for the averages of to-day are as follows :-

| Group I | ... | Rs. 145-7-0 |  | assessment. |
| :---: | :---: | :---: | :---: | :---: |
| III | ... | $\cdots$ - ${ }^{85-9-0}$ | ${ }^{54.74}$ |  |
| III | ... | " 73-14-0 | $95 \cdot 50$ | " |
| IV | ... | 79-1-0 | 14710 | * |
| Taluka | ... | Rs. 95-6-0 |  |  |

The present average for the taluka accordingly shows an advance of 200 per cent. beyond that of the earlier period.
40. This average has been obtained by multiplying the respective group averages by the entire occupied acreage of the group and forming an average from the sum of the resulting multiples, It is perhaps needless to say that it can be but approximately correct, for not only has the entire acreage of land sold in the taluka not been detailed, but even in the chosen villages that entire acreage has not been included. In some villages it was possible to examine and verify every entry of sale, in others a varying percentage of the entries only, and as the entries were most numerous in competitive centres where prices ran high, there would be a natural inclination of the group averages to represent the conditions of the smaller centres where all entries were examined; rather than those of the higher centres where only a percentage of the entries was examined; in other words, a tendency for the averages to be under-estimates. Then again in group IV the mass of villages were without entries of sales and the average for the group is therefore deduced from the records of villages which are not exactly average ones for their group, and finally, if the group values be calculated by taking the average assessments of the groups and multiplying them by that number of times that Appendix $G$ indicates is the average multiple of assessment represented by the leases of their respective groups, the rupee value of land in each group becomes much more than the value previously exhibited shows. The group values. would be in fact-

|  |  | Rs. |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Group I | ... | ... | 158 | er acre. |
| , II | ... | ... | 93 | " |
| , III | ... | ... | 81 | " |
| IV | ... | ... | 102 |  |

Considering thus that 'Mr. Fforde's average is probably too high for the period it purports to represent, and that the averages offered by me suggest an under-estimate, an appreciation of the advance of sale values as one of 200 per cent. beyond the value of Mr. Fforde's period would appear to be a moderate one.

## Leases.

41. Leases on the nimbatai system are common. Of leases wherein the rent is paid in a fixed measure of grain I have discovered no instances. Appendix H gives examples of one year leases the rents of which were paid in money. Leases that have followed mortgage; leases that are only one phase of the financial relationship of the lessor and lessee and long period leases even when the rent is paid annually have been excluded. ) The details of the leases have as far as possible been obtained from the parties to the lease, but memories seem so little retentive of the details of leases executed several years ago that for the earlier period the lease bond has frequently been accepted as proof whether the landlord or the tenant paid the assessment, though not infrequently I believe the terms of the lease have subsequent to their embodiment in writing been modified.
42. The general remarks $I$ have made with regard to the sales recorded in the settlement report of 1897 apply with equal appropriateness to the figures of leases given in that report. The difficulties inherent in the acceptance of any of these figures, I think, I can demonstrate by showing the results of my own examination of the Registrar's record for Mr. Fforde's period of 1890 to 1894. Mr. Fforde for that period gave the average lease as one of six assessments or Rs. 6-8-5 per acre. Now on examining the records I find that during that period there were only 11 instances recorded of one year leases ( 13 if 2 be included which have as subject the land of several villages); of these instances 8 were in villages which experienced no change in their rates of assessment in the subsequent settiement and bore then the same rates as to-day. Those instances gave the average lease as one at Rs. 5-8-0 an acre or six assessments if the average be drawn from the few instances exampled.

The actual instances gave the following multiples of assessment in their respective groups :-

| Group I. | Group III. | Group IV, |
| :---: | :---: | :---: |
| 3.66 | 14.14 | 17.92 |
| 2.47 | 9.33 | 15.29 |
| 3.42 | 8.51 |  |
| 3.56 |  |  |
| 4.12 |  |  |

Of these figures; those of group I bear some comparison with those I have recorded in Appendix H, but it is obvious that the other groups present multiples of assessment which must have been caused by abnormal influences. With this average lease at Rs. 5-8-0 an acre the average rupee value per acre of the leases recorded in Appendix H for the period 1912 to 1917 may be compared-

|  |  |  | Rs. a. p. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Group I | $\cdots$ | $\cdots$ | ... | 109 |  |
| " III | $\cdots$ | ... | ... |  |  |
| " IIV | ... | $\cdots$ | $\cdots$ | ${ }^{4} 88$ |  |

but such comparison is in my opinion of doubtful value, and I would prefer to offer for comparison the average figures of the periods 1904-11 and 1912-17 respectively. Within these years it may safely be said with a very small margin of error that rents have advanced in the different groups as follows-

| Group I | ... | ... | ... | 36-44 | nt. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| " III | $\ldots$ | $\ldots$ | ... |  |  |
| \% III | $\ldots$ | $\ldots$ | $\cdots$ | 9.73 |  |
| " IV | $\cdots$ | ... | ... | 48.07 |  |

The advance in group III is lowered considerably by the figures of the village Aslod, the instances of leases examined for the latter period of this village being much below the average in value for the group.

For the period previous to 1904 I was not able to obtain sufficient tested figures of value to insert in my Appendix.

## Incidence of Assessment.

43. Crop experiments are no longer conducted and I was too late in reaching this taluka to institute any myself. Of sales of standing crops $I$ found no instances.

The incidence of assessment I would estimate approximately in two ways. There is primarily what I might call the traditional valuation of their crops in the taluka generally given by those agriculturists who do not deny the acquisition of returns altogether. In respect to crops of bajri and jowari this valuation of the average acre outturn as 32 pailis gives, with the inolusion of some Rs. 10 per fodder, a gross profit of Rs. 25 at the average prices of the last eight years; its estimate of the wheat crop as between 5 and 6 maunds ( 32 pailis) with the same inclusion of the value of its fodder gives a profit of Rs. 32 or so. In both cases the result is almost identical with the estimates given me in the neighbouring Taluka of Shirpur. Finally the traditional maximum profit of Rs. 40 indicates how far these averages have been discounted. These figures would give for groups I and II the following incidence of assessment:-


In this estimate I have not included the important cotton crop because I am dealing only with the valuation given by the agriculturists themselves and they, beyond remarking that the profits of cotton are greater in good seasons than those of the grain crops, remember so vividly their lean years that I have found them extremely reluctant to give an estimate of cotton returns that the very next season might prove false.
44. There is secondly the data of Appendix H as a guide to the incidence of assessment in all groups. For as the Nim batai lease contains from the landlord's point of view an indemnity against the years of distress in which he shares the tenants' losses, it may safely be presumed that a monetary rent with its security represents less than half of the produce. From the lessee's point of view again the same assumption would be natural, for the lessee uncertain what his crop may be and compelled to pay rent even if his crops be a complete failure, would discount his expected outturn and so pay a rent less than half the produce in a normal year. Regarding the rents tabulated in Appendix H as being equal to as much as $1 / 3$ of the produce that appendix suggests the following outturn in each group and the following incidence of assessment-

45. In this table the acre produce is a multiple of the average rente actually given in Appendix H. The incidence of assessment is so nearly the same as that calculated from the traditional valuation of the crops as to proclaina no great margin of error in any of my assumptions. In group V as the average assessment is only As, 6-3 per acre, it would be a small crop indeed on which the incidence of assessment would exceed 4 per cent.
46. To proceed to a consideration of the incidence of assessment upon net profits as deduced from the figures of sales and leases.

In group I the full cash rent is equal to $4 \cdot 44$ assessments. As this rent includes the payment of assessment the landlord's net profit is equal to 3.44 assessments. The average sale of land in this group realises 64.39 assessments, i.e., the capitalised value of the landlord's annual net profit is taken at 19 years' purchase. Now the new rate I propose for this group will raise its average assessment from Rs. 2-7-2 to Rs. 3-3-5 (vide Appendix L) so that in terms of the new assessment the same rents will be only $3: 38$ assessments and the landlord's net profit equivalent to $2: 38$ assessments. At the same number of years' purchase (19) the average value of land per acre will on introduction of the new rates be $45^{\circ} 22$ assessments. These deductions and those calculated in a similar way for the other groups I present in a tabular form.

|  | Group. |  | Ratio of asseesment to net rents. |  | Ratio of assessment to selling values. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Old rate, | New rate. | Old rate. | New rate. |
| I | *- | ... | 1 to 3.44 | 1 to $2 \cdot 98$ | 1 to 64.39 | 1 to 45.22 |
| II | ... | . ... | 1 to 4-12 | 1 to $2 \cdot 91$ | 1 to 54•74 | 1 to $38 \cdot 64$ |
| III | *** | ... | 1 to 4.88 | 1 to 3.56 | 1 to 95.50 | 1 to $69 \cdot 66$ |
| IV | *-. | $\ldots$ | 1 to $9 \cdot 01$ | 1 to 6.64 | 1 to 147*10. | 1 to 108.26 |

The number of years' purchase in the groups is respectively $19,13,19,16$. The ratios calculated according to the new rates represent the ratios that the proposed assessment will bear to the rents and sale prices as they will be after the new rates are imposed.

## Revenue History.

47. The outstanding feature of the history of the current settlement is the effect of the famine which ushered it in. Upon the recovery of the taluka
from its disastrous effect on the population and agricultural stook I have already remarked.
48. To turn more immediately to the Revenue History of the taluka Appendix K illustrates the effect of the famine, though the heavy remission figures of the years 1899-1901 include remissions on account of the slow introduction of the new rates. Since those years there have been no remissions of any account save the remissions in 1903-04 in group IV which were due to the destruction of crops in the northern and eastern parts of the táluka by locusts.
49. The following few figures of fallow area, compared with the average fallow between 1912 and 1917 of 7,400 acres (vide Appendix B), will serve as a commentary upon Appendix $K$ and upon the notes appended to Appendix A.

|  |  |  |  | Area of fallow. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1907-08 | ... | ... | $\ldots$ | 32,257 | acres. |
| 1908-09 | ... | ... | ... | 12,624 | " |
| 1911-12 | $\cdots$ | ... | $\ldots$ | 30,795 |  |

Recovery of revenue during the present settlement has been made in all groups without difficulty. In the years 1903, 1904, 1907, 1910 and 1911 some 600 acres of land were forfeited for non-payment of revenue, four-fifths of this being in groups IV and $V$ so that a heavy incidence of assessment could not in any conceivable way be the cause of these coercive measures. Since 1901 there have been nine instances of fine for non-payment of revenue, of which five instances were in 1916-17 and six instances in all in group I.
50. Appendix $J$ and its supplements show the increase in the area of cultivation and the decrease in that of the unoccupied land which is now some 3,500 acres in lieu of 12,000 at the beginning of the settlement period. Group I with 3,300 acres absorbs practically all this unoccupied land and as its average assessment is only Rs. 1-2 and so less than half the average assessment of the group, it is obvious that the land represents soil of decided inferiority. As I have not alluded to it before I take the present occasion to illustrate how the increase in occupied land has been most marked in the case of land held on the restricted tenure and how the acreage on the old tenure is even less now than it was in 1899.


The Existing Settlement.
51. The present grouping is as follows:-

|  | Group. | Villages. | Maximum rate, |
| :---: | :---: | :---: | :---: |
|  |  |  | Rs. a. p. |
| 1 | *' | 63 | 300 |
| II | ... | 27 | 240 |
| III | ... | 19 | 180 |
| IV | ... | 50 | 100 |
| V | ... | 4 | 0120 |

This grouping, a reduction from ten previously existing groups, illustrates the history of the opening out of the taluka from the south and disregards inter alia the new conditions arising from the construction of the new means of communication in the northern half of the taluka. It results in inequity along the boundaries of nearly every group. Group II on the borders of the - 101 -

Taloda Táluka contains many villages whose rates ought to be approximate to if not identical with those of group I, for in this tract the plain is only a continuation of the fertile plain of Taloda and through this tract lies the thrust of Gujar occupancy that has conquered 90 per cent. of the land that is just within the Taloda Táluka. Mandana again and its western neighbours in group IV have no more claim to be lightly rated than have villages of group III and, if facility of communications be one great factor in determining the grouping, the whole tract that adjoins the road from Shahada to Khed is incorrectly divided. In the northern part of the taluka, i.e., in groups IV and V, the grouping, however, is saved from greater anomalies by the fact that the forest works down to within a few miles of the main road.

## Proposed Settlement.

52. The disparity between the rates of the existing groups permits of little or no re-adjustment of the grouping without a sacrifice of some portion of the 33 per cent. enhancement of revenue that the limitation rules permit. I propose therefore to make no change at all in the grouping.
53. The advance in the general prosperity of the taluka during the period of the present settlement has been a marked one. The selling value of land shows an increase of at least 200 per cent. and the land of even the lower groups is now, in measure of selling values, twice as valuable as the average land of the whole táluka was in the period 1890-94.
54. The prices of the principal grains and of cotton have advanced from 45 to 52 per cent. The acreage of culturable land not taken up in the villages settled in 1899 has been reduced from 12,000 acres to some 3,300 acres and this remainder represents land of inferior value. Changes in preference for crops have shown an increased proportion of the profit paying cotton cultivated. Yet , again the revenue has been collected without difficulty and the incidence of assessment has been very light.
55. The táluka being well able to bear a 33 per cent. increase of its revenue contribution, I propose to distribute that increase proportionately over the existing groups raising the assessment of each to the anna nearest to the maximum that represents such increase.
56. The new grouping and new rating will be as follows :-


The Government land in the inam villages will be rated according to the grouping those villages at present possess.
57. The taluka increase of revenue will be $31 \cdot 02$ per cent. In no village. does the increase exceed $31 \cdot 81$ per cent. The increase in the average assessments of the groups will be respectively As. 12-3, As. 8-3, As. 4, As. 3-6 and As. 1-6.
58. It remains perhaps only to illustrate the lightness of the new rates. As egards group I Mr. Fforde proposed in 1898 a rate of Rs. 3-4-0; this rate the Commissioner cońsidered justifiable and' Government would apparently have accepted but for its wish to keep the highest rate of these talukas equal to that of Shirpur Taluka and not too far above the rate of talukas south of the Tapti. The rate of Rs. 3 finally sanctioned had already been paid for thirty years by 33 villages which have, therefore, now enjoyed an unchanged rate for roughly 50 years; 14 other villages of the same group had paid a rate of Rs. $2-12$ so that these villages have experienced but a slight enhancement of assessment in half a century. In the other groups too of the taluka there are many villages that have borne the same rate unchanged during a period of two settlements. Of such villages there are 7 in group II, 10 in group III, and 18 in group IV. There are
thus in the whole taluka 68 villages which will now for the first time since 1863-69 have their assessments raised.
59. As regards the actual maximum rates now proposed that of group IV (Rs. 1-5) is only anna 1 higher than that which Mr. Fforde considered equitable in 1897; that of group III (Rs. 1-15) does' not even attain the rate (Rs. 2-4) proposed by him for its villages in an alternative scheme of grouping and rating. When more than one-third of the taluka will now come under an enhanced rating for the first time in half a century and a similar area ( 61 villages) will pay rates only just equal to or less than those considered equitable two decades ago, further illustration of the lightness of the new rates seems supergatory.
60. Finally I would recommend that the new rates, which apply to agricultural land only, be guaranteed for a period of 30 years.

I have the honour to be, Sir,
Your most obedient servant, J. ABBOTT,

Assistant Settlement Officer, Khándesh.

## APPENDIX A.

Statement showing Rainfall recorded at Shahada, District West Khandesh for the years 1905-1915.


Temarks with regari to the character of the season at Shahada, 1905-1915
1905-Rain during the year in defeot of the average. Ante monsoon rain absent. Regular monsoon opened in the gnd week of June; kharif sowing completed in July under favourable rain and the geadiags were thriving. August rain ligh guent months. So rabisres much curtailed. Season on the whole fair.

1006-Total fall above the average. Ante monsoan period dry. Monsoon get in timely for kharif sowing which was finished in July though rain somewhat excessive. Seedlinge in good condition. August rain again over the syerage and the arops did weil. Fall in September was nuder the average though guncient for the rharif orope. Light rein it of late rains marred the prospects both of the rabi and kharif erops, Eeason on the whole wes fair. and

WF-Rain in defect of average. Prectically no ante monsoon rain. The monsoon bryst Iste in June and the month's fall was in adequate for general kharif sowing which oommenced only in places. July rain suffoient and ensble the retarded sowing to be completed. Fall in Augast continuoup and the eeedingg guffered from excessive moisture. of 4 to 6 inches. And crops began to wither. October almost rainless; no rain in November or December. Rabi ares very much restricted. The aeason a poor one necessitating suspension of land revenue payment.
1008-Aggregate rainfall below average. Ante monsoon rain absent. Monsoon commenced timely but kharif sowing conld not be started till the last week of Jane; gowing almost completed ander favourable condition in July trass. Prastically no rain in Ootober Noveipber and Depember. Standing orops deteriorated and rabi area mas small with poor oatturn. Guspengions of revenue were granted.
1909--Rain slightly above the average. Slight rain in the ante monsoon period, Regular monsoon opened timely offending sufficient moistnre for kharif sowing which was almost completed in July under general rein. August rain insuft crops. Some raig in Ootober ensbled rabi sowing to be commenced. No rain in November but fairly good rain in the second fortnight of Decamber proved very useful to the rabi crops. Season fairly good.
1910-Total rainfall mnch over the average. Ante monsoon rain fair. Monsoon set in earily and kharif sowing retarfed till close of Jnne by exceseive yain. Some rain early in July followed by a break of three weeks that allowed complemion of kharif sowing. Rain needed ateme in the frst $\mathbf{3}$ weeks of September: general rain in the last weok benented standing crops, Rabi Bowing commenced and was completed in October with useful rain in the firat week: The eeason closed. No rain its December. The rabi crops did well. The season was good.
1911-Rain considerably in defeot of the usual fall. Rain in Ante monsoon period light. Morsoon commenced in the first Week of June but fall in Adequate for general sowing. In July fall muoh in defeot: Kharif sowing deferred and no rain and standing orops deteriorated. Beyond a few lights showers Oetober was dry. Rabl sowing completed in no raes. Some useful rain received in the last two weeks of November which greatiy kolped the rabi erops where
poown. December praoticalisy rainless, As result of the capricious rain fall the season was only fair.

1El2-Rain far short of the average, Ante monsoon rain, Regular monsoon opengd rather late but fall suffoient to commence kharif sowings at the end of June. In July rain gafticient band seedlinge in good condition. In August rain sverage of daily in the frst fortnight and the orops did well. In September fall lass than one fnoh agsainst an Good and general rain in the third week of November saved the gituation: It wes foo late for the kharif crops bat it helped the rabi crops the sowing of whioh was largely extended. There was rio rain in December, Babi erops fared well. Seation poor to fair for kharif and fair for rabi cropy,

1919-Total fall sbove the average: Light ante monsoon rain, Monsoon set in earif in June and rain fell steadily through-

 Rat sore pras no rain and Deomber practically dry. Season on the whole practically good continned. In November

Wotal fell of the year muoh above the average, Ante monaoon rain feirly good. Timely monsoon and adequabe in Jnne; kharif gowing in repid progress by the end of the month, And this eompleted under good rain ta July. Angust rain below everage but samcient for the orops which aid weid pin in Ootober not general; rabi sowing undertaken and pushed on neder beneficial rain in November rain. Rain in Ootober notingeneral, rabi sowing undertaken and pushed on bader benencial rain in November
Practioally no rain in December. Rabi orops suffered a litile from the natimely ratn late in the season. Season on the whole was good.
1915-Rain clichtly in excess of the average. Ante monsoon rain light. Monsoon commenced in the third week of Jone and thharif sowing started in the last week and pushed on in July under good rain. August rain light and confined average. and proved injurious to cotton and bajri, though it gave a good start to rabi sowing which was completed in November under useful rain, end the seedinge were ir good condition. Ihght showers in December closed the geason whioh on the whole was as good one,

## APPENDIX $B$.

Details of cultivation and crops in 163 villages of the Shahada Taluka of the West Khandesh Collectorate.


## APPENDIX C.

Details of population according occupation in Shahada Taluka, West Khandesh District.


- APPENDIX D.

Agricultural stock of the 163 Government villages in the Shahada Taluka of the West Khandesh Collectorate during the years 1899-1900, 1908-09 and 1915-16.


## APPENDIX E.

Shops, industries, etc., in 163 villages of the Shahada Taluka, West Khandeslb District.

| Eiduor shops. | Hand industries. |  |  |  |  | Moohanioal power. |  |  |  | Bemarks, |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\underset{\text { pxesses. }}{\text { Oil }}$ | Cotton loours. | Woollen 100028. | Silk looms | Ging. | Gins, | $\left\|\begin{array}{c}\text { Rice } \\ \text { husking } \\ \text { madhine. }\end{array}\right\|$ | Cotton presses. | $\begin{gathered} \text { Grain } \\ \text { grinding } \\ \text { mills. } \end{gathered}$ |  |
| 10 | 35 | 186 | "' | ... | $\cdots$ | 7 | $\cdots \cdot \cdots$ | 1 | $\square$ | Of the hand looms 80 are in Kukdel and 44 in Shahads, excluaively conflned to Prakasha and Shahadis. |

APPENDIX F.
Wells, Bhudkis, Tanks, and other sources of water supply in the 163 Government villages of the Shahada Taluka of West Khandesh Collectorate for the years 1896, 1901 and 1914.


APPENDIX F-continued.


Abstract of Appendix $F$.
Figures for 1914-15.

| District. <br> 1 | Details. <br> 2 | Woils Bhudkis and the like. |  | Tawks. |  | Other sourecs. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pakka. $3$ | Kacha. 4 | Pakha. <br> 5 | Kacha. <br> 6 | Pakka. 7 | Kacha. <br> 8 |
| . | For Irrigation <br> For drinking euppiy of human beings buit not for irrigation... <br> For cattie and washing and <br> other purposes, eto. <br> In disuse | 634 | 88 | ... | ..* | 1 | 2 |
|  |  | 587 | 27 | ... | .. | ... | ... |
|  |  | 34 | 8 | - | 2 | $\cdots$ | ... |
|  |  | 192 | $70^{\circ}$ | ..: | ... | $\cdots$ | -* |
|  | Totale recorded at the previous settlement of 150 villages in1898 | 1,447 | 188 | ... | 2 | 1 | 2 |
|  |  | 830 | 62 | 1 | 5 | 12 | 10 |

## APPENDIX G:

Selling value of dry crop lands in 39 villages of the Shahada Taluka, West Khandesh District.

| 4 |  | 1899-1809. |  |  |  | 1904-1914. |  |  |  | 1012-1817. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Name of village. | Area of land sold | Agsebs. ment: | Sale price. | Nnmber of times the egsess. ment re- prosent ed by the price. | $\begin{aligned} & \text { Ares of } \\ & \text { land } \\ & \text { solda. } \end{aligned}$ | Assessment. | Sale prices. 4 | Number of times the apsess- ment re- prosent- ed by the yrioe. | $\begin{gathered} \text { Aroa of } \\ \text { land } \\ \text { Bold. } \end{gathered}$ | Assess. ment. | $\begin{gathered} \text { Sale } \\ \text { Drico. } \end{gathered}$ |  |
|  | Grow I . | A. 8. | Rs. a. | Re. a. |  | $\text { A. } \mathrm{g}$ |  | Re. a. |  | A. g. | Rr.a. |  |  |
| 8 | Bamkhedá | 4439 | 8710 | 1,998 0 | 89988. | $104 \theta$ | 18815 | 8.890 | 61.97 |  | ${ }^{38} 8$ | $8.144 \cdot 0$ | ${ }^{86}$ '89 |
| 5 | Bhade | 1938 | 460 | 3,946 0 | ${ }^{87} 93$ | 19894 | 3675 | 12.0310 | 30.03 | 8918 | 87.9 | 5,000 0 | 67.10 |
| 14 | Dongargson | $1482{ }^{\text {' }}$ | 90 | 3000 | 35938 | 2510 | 416 | 1,150 0 | 97\% $\%$ | 66.98 | 788 | 9,500 0 | 94.48 |
| 17 | Kahatul | 5498 | $65 \cdot 13$ | 1,934 0 | ${ }^{89} 38$ | ${ }^{23} 19$ | 4014 | 9,8009 0 | 56:91 | 17089 | 818 ? | 94,489 0 | 76.78 |
| 28 | Earjai | 9 35 | 80 | 200.0 | 96.00. | 595 | 181 | $1,800 \cdot 0$ | 99.85 | 8989 | 80.1 | 6;767 0 | 7190 |
| 85 | Eanthal | - | $\rightarrow$ | ..... | ... | 831 | ${ }_{88} 8$ | 1,300 0 | $45 \cdot 61$ | 298 | 710 | 3.673 | 61.88 |
| 27 | Kotlil | ... | .. | ..... | ... | 4839 | 113 | 8,600 0 | $87-80$ | 19010 | 874.0 | 18,150 0 | 47.47 |
| 29 | Eukawal | 88.8 | 5410 | 1,700 0 | 821.19 | 6738 | 10311 | 8,400 0 | 89.79 | 1414 | . 77.6 | 4,800 0 | 64.17 |
| 96 | Mohide | $\cdots$ | ... | $\ldots$ | ... | 9110 | ${ }^{88} 0$ | -1,060 0 | 2\%68 | 78.8 | 13214 | 7.880 | 68.69 |
| 37 | Mobide (Tart Sha- hada. | ${ }^{37} 10$ | 10818 | 1,500 0 | 14.61 | 1879 | 275 | $18.0000$ | 49.64 | 610 | 1818 | 1,000 0 | 53:38 |
| 89 | Nandarishoda ...) | 8010 | 888 | 6180 | to 08 | 1511 | 480 | 8.150 | 52.19 | 588 | 77.8 | 6,485 0 | ${ }^{85} 67$ |
| 45 | Prakasha | 8095 | 2880 | 6,949 0 | 93.67 | 10837 | 808 | 7.1088 | 88.04 | 13530 | 88910 | 37,400 0 | 98.74 |
| 47 | Saxangkheda | $5^{57} 35$ | 1610 | 6.7000 | $85 \cdot 40$ | 11683 | 948 | 8.476 | 34.96 | 12591 | 897 | 18,480 0 | 88.44 |
| 48 | Sasda | 1010 | 60 | 950 | 87.5 | 1018 | 218 | 1,700 0 | 79.96 | 618 | 1368 | 8,650 0 | 4876 |
| 49 | Savalds | 1183 | 89 | 7000 | $30 \cdot 48$ | 976 | 880 | 8,180 | 44.48 | 84.6 | 1870 | 9,950 0 | 60.00 |
| 50 | Bhahada | ... | $\cdots$ | ...... | ... | 788 | 860 | 2,300 of | ${ }^{88}$ '88 | 1810 | 87.7 | 6,950 0 | $61 \cdot 15$ |
| 68 | Veghode | ${ }^{83} 86$ | 5 8 | 9000 | 15\%\% | 290 | 88.3 | 3,750 0 | $45 \cdot 69$ | ... | ... | ... | ... |
| 59 | Vajali | 648 | 1598 | 8,084 0 | 18.00 | 878 | 965 | 9,080 0 | 71.69 | 108 2: | 80515 | 14,140 0 | $48 \cdot 11$ |
|  | Average per aere ... | $\cdots$ | $\cdots$ | 6915 | 88.85 | ... | ... | 8011 | 34.06 | ... | ... | 1467 | 64'39 |
| 67 | Bhatana | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | 4524 | 620 | 9,300 0 | 68.88 | 6581 | 78 - | 9,500 0 | 48.86 |
| 68 | Budigaohan | 888 | 151 | 6870 | $15 \cdot 60$ | ${ }^{56} 88$ | 的 0 | 2.8610 | $50 \%$ | ... | ... | ...... | ... |
| 69 | Chandsaill | 108 | 880 | 9000 | 19.04 | 9596 | 614 | 1,645 0 | 38.09 | $\cdots$ | ... | ...... | $\because$ |
| ${ }_{9}$ | Eigni | 78 | 103 | 9750 | 86\%90 | 550 | 60-9 | 3.8285 | '54.07 | 34.94 | 3935 | 8,2000 | 66.70 |
| 73 | Javda (Tari Boxed) | .." | $\cdots$ | ..... | ... | 1250 | 1980 | 5,034 0 | ${ }^{28} 16$ | 10918 | 18724 | 7,800 0 | 42.03 |
| 74 | Junwana | ... | $\cdots$ | ..... | $\cdots$ | 15 80 | 940 | 1.7000 | 50.00 | 135 | 304 | 1,100 0 | 38.86 |
| 79 | Lechora | 1185 | 148 | 9000 | 2066 | ... | ... | ..... | ... | 4683 | 8114 | 7.9000 | 96.48 |
| 86 | Tarhadi (Tart Bo- rad). | ... | $\cdots$ | ...... | ... | 11531 | 178 | 6.875 | 5760 | 2981 | 470 | 2.9000 | $46 \cdot 80$ |
|  | Average per sore ... | $\cdots$ | ... | 41.1 | 94480 | $\cdots$ | .. | 6s 4 | 38.80 | ... | ... | 858 | 54.74 |
| 91 | Aslod | ${ }^{90} 85$ | 788 | 8,800 0 | 30'34 | 12388 | 980 | 5,350 0 | 56.91 | 150.28 | 9418 | 7.4000 | 78.04. |
| ${ }_{5}$ | Jaynagar | 454 | 35 \% | 1,575 | 44.44 | 1380 | 760 | 6,707 0 | 890 | 11781 | 61.1 | 8,880 0 | 109'64 |
| 89 | Kaulith | 8010 | 678 | 6990 | 10\%41 | 9738 | 180 | 7000 | $85 \cdot 84$ | : 5131 | 460 | 6,885 0 | 128.69 |
| 100 | Londhra |  | ... | $\ldots$ | ... | 376 | 5911 | 1,850 0 | \$5:11 | 7517 | 69. 0 | 6,500 0 | 9180 |
| 104 | Pimparda ... | 1936 | 180 | 3900 | 82.88 | 9816 | 748 | 3,055 0 | 41.00 | 4817 | ${ }^{6} 6$ | 9,300 0 | 191.66 |
| 108 | Vadehil | ${ }_{51} 81$ | 60 | 2,000 0 | 20,40 | 8308 | 1000 | 0,085 0 | 52.65 | 5128 | 368 | 9,800 0 | 78.71 |
|  | Average per more ... | $\cdots$ | ... | 40 | $88 \cdot 79$ | $\cdots$ | $\cdots$ | 496 | $\sim 5460$ | ... | ... | 7814 | 95'50 |
| 135 | Kondaval ... | 1069 | 4910 | 1,645 0 | 88.56 | ${ }^{68} 98$ | g 0 | 9,876 0 | ${ }^{180} 88$ | 10810 | 4618 | 9,675 0 | 168.89 |
| 197 | Karhavad | ... | ... | ...... | .." | 9689 | 19.8 | 2.6000 | 185.50 | 4158 | 300 | T.250 0 | 241.66 |
| 340 | Mandans | 811 | 86 | 1000 | 48.10 | 8530 | 164 | 1.285 | - $80 \cdot 38$ | 10817 | ${ }^{81} 9$ | 8.5610 | 87.98 |
| 141 | Mhasamad | $\cdots$ | $\cdots$ | $\cdots$ | ... | 1531 | 186 | 1,550 0 | 125\%25 | 10818 | 7811 | 18,875 $\quad 0$ | 160.08 |
| 145 | Ralkbed | ${ }^{38} 8$ | 858 | 1.6090 | 69.90 | $\ldots$ | ...' | ..... | $\ldots$ | $\cdots$ | ... | ..... | $\cdots$ |
| 248 | Sultanpax | $\ldots$ | ..* | ..... | ... | ${ }^{24} 88$ | 160 | 1,885 0 | \%81 | ${ }^{38} 93$ | ${ }^{29} 7$ | 5.800 | 971.88 |
| 150 | Tarhad | 1988 | 40 | 2000 | 5000 | 7686 | 300 | 9,780 0 | 88.00 | 88 | 3418 | 4,975 0 | 188.08 |
|  | Avarase per aers ... | ... | .. | 88.6 | 48.57 | ... | .. | 684 | 10760 | ... | ... | \%1 1 | 147.10 |

APPENDIX H .
Leases of dry crop lands in 37 Villages of the Shahada Taluka, West Khandesh District.


APPENDIX I.
Statement showing the prices prevalent in the Taluka Shahada from 1889-90 to 1916.


APPENDIX J,
Changes in occupied area for 150 villages of the Shahada Táluka of the West Thandesh District into which the Revision Settlement was introduced in the year 1899-1900.


## APPENDIX $\mathbf{J}_{1}$.

Changes in occupied area for 11 villages of the Shahada Taluka of the West Khandesh District into which original settlement was introduced in the year 1902-1903.


## APPENDIX ${ }^{3}$.

Changes in occupied area for 2 villages of the Shahada Taluka of the West Khandesh District into which Revision Settlement was introduced in the year 1909-1910.


## APPENDIX K .

Oollection of assessment on Government land in 163 villages of the taluka of Shahada, West Khandesh District.


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APPENDIX K ${ }^{11}$.
Collection of assessment on Government land in 6 Inam villages of the taluka of Shahada


APPENDIX L.

|  | Name pl Village. |  | By foriner Settlement. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Maximam rates. |  |  | Dry-crop. |  |  | Rloe. |  |  | Garden. |  |  | Total. |  |
|  |  |  |  | 安 |  | . |  |  | $\begin{aligned} & \text { 咸 } \\ & 10 \end{aligned}$ |  |  | $\begin{aligned} & \frac{1}{4} \\ & 18 \\ & 18 \end{aligned}$ |  |  | \% 4 4 |  |
| 1 2 3 |  | I I I | $\begin{array}{ccc}\text { Be. ac. } & \text { d. } \\ 3 & 0 & 0 \\ 3 & 0 & 0 \\ 3 & 0 & 0\end{array}$ | Re. | Re. ... ... ... | Acres. <br> 680 <br> 1.830 <br> 648 | R9. <br> 2,088 <br> 4,894 <br> 1,780 | Rr. a. d. ... $\ldots$ .. | Acres <br> $\cdots$ <br> $\cdots$ <br> $\cdots$ <br> $\cdots$ | Re. | R6. ... .. ... | $\Delta$ cres. ... M. 10 ... | Ra. $\ldots \ldots .$. 4 $\ldots$ | Re. A. D. $\ldots$ $\ldots$ $\ldots$ ... |  | R8. 8,098 4,498 1,980 |
| 4 | Bamkheda Tart Tarhad. | 1 | 800 | ... | $\ldots$ | 2,722 | 5,085 | ... | $\cdots$ | ... | ... | ... | ...... | ... | 2.728 | 5,085 |
| 6 | Bhade ... | 1 | 300 | ... | $\ldots$ | 1,354 | 3,848 | $\cdots$ | ... | $\cdots$ | ... | M. 21 | 43 | ... | 1.975 | 8,601 |
| 6 | Biladi Buaruk ... | 1 | 300 | $\cdots$ | ... | 988 | 2,551 | ... | ... | ... | ... | ... | ...... | ... | 098 | 8,651 |
| 7 | Budigavhan ... | I | 800 | ... | ... | 617 | 1,324 | ... | ... | ... | ... | ... | ...... | ... | 617 | 1,394 |
| 6 | Bupkari | 1 | 300 | $\ldots$ | $\cdots$ | 507 | 1,950 | $\ldots$ | ... | ... | ... | ... | ...... | ... | 607 | 1,850 |
| 9 | Damarkheda ... | 1 | 300 | ... | ... | 676 | 1.787 | $\ldots$ | ... | ... | ... | ... | ...... | ... | 576 | 1,787 |
| 30 | peur $\quad .$. | 1 | 800 | $\cdots$ | ... | 1,055 | 2,758 | ... | ... | ¢.. | ... | ... | $\ldots$ | ... | 1.055 | 8,768 |
| 11 | Dhamled ... | 1 | 300 | ... | ... | 639 | 1.686 | ... | $\ldots$ | ... | ... | ... | ...... | ..' | 639 | 1,626 |
| 19 | Dhurkheda ... | 1 | 300 | ... | ... | 1,646 | 4,429 | ... | ... | ... | $\ldots$ | ... | ..... | ... | 1.646 | 4,429 |
| 13 | Dondwade ... | 1 | 900 | ... | ... | 568 | 1,509 | ... | ... | $\ldots$ | $\cdots$ | ... | ...... | ... | 508 | 1,504 |
| 14 | Dongargaon ... | 1 | 300 | $\cdots$ | ... | 1,885 | 0,076 | $\cdots$ | ... | ... | ... | $\begin{cases}\text { P. } & 66 \\ \text { M. } & 87\end{cases}$ |  | $\} .$. | 1.018 | 8,604 |
| 15 | Fes ... | . 1 | 900 | ... | ... | 1,548 | 3,453 | ... | $\cdots$ | $\cdots$ | $\cdots$ | ... | ...... | $\cdots$ | 1,848 | 3.453 |
| 18 | Hol | 1 | 300 | ... | ... | 404 | 1,100 | ... | ... | $\cdots$ | ... | P. 4 | $\begin{cases}25 & 8 . \\ 85 & \mathrm{~F} .\end{cases}$ | \} ... | 408 | 1,180 |
| 17 | Kahatur $\quad .$. | 1 | 300 | ... | $\cdots$ | 2,116 | 4,163 | ... | ..' | ... | ... | M. 15 | 27 | ... | 2.131 | 4,180 |
| 18 | Kolambu ... | 1 | 300 | ... | ... | 2.958 | .6,201 | ... | $\ldots$ | $\ldots$ | ... | M. 69 | 163 | ... | 3,017 | 6.86 .4 |
| 19 | Kalssai | 1 | 800 | $\cdots$ | ... | 1,496 | 4,247 | ... | ... | .. | $\cdots$ | ... | ..... |  | 1,426 | 4,247 |
| 20 | Kamkheds ... | 1 | 300 | $\because$ | ... | 891 | T77 | ... | ... | ... | ... | ... | ...... |  | 891 | 777 |
| 21 | Kanadi Khurd ... | 1 | 800 | $\cdots$ | $\ldots$ | 580 | 1,818 | ... | ... | $\cdots$ | ... | M. 16 | 37 | ... | 608 | 1,255 |
| $\stackrel{22}{2}$ | Kaxjai -.. | 1 | 800 | ... | ... | 961 | 8,925 | ... | ... | ... | ... | ... | ...... |  | 961 | 2,925 |
| 28 | Katharde Khurd ... | 1 | 300 | $\cdots$ | ... | 636 | 2,117 | ... | ... | ... | ... | ... | ...... | ... | 676 | 9,117 |
| 24 | Kawthal Tarl Sarangksheda. | 1 | 800 | ... | ... | 538 | 1,069 | ... | ... | ... | ... | ... | ..... | ... | 888 | 1,660 |
| 25 | Kawthal Tart Shahada. | 1 | s\%o | $\cdots$ | $\cdots$ | 1,484 | 2.890 | ** | ... | ... | .. | M. 7 | 19 | ... | 1.441 | 8,000 |
| 25 | Khairwe . | 1 | 300 | ... | $\cdots$ | 725 | 1,848 | ... | ... | ... | ... | ... | ..... | ... | 785 | 1.848 |
| 27 | Kothli Tart Sarangkheda. | 1 | 300 | $\cdots$ | $\cdots$ | 1,889 | 4,659 | ... | ... | ... | ... | M. 10 | 95 | ... | 1.805 | 4,509 |
| 28 | Kudhavè $\quad .$. | 1 | 300 | ... | ... | 1,389 | 1,025 | ... | $\cdots$ | $\cdots$ | ... | ... | $\ldots$ | ... | 1,289 | 1,02\% |
| 29 | Hnkaval. ... | I | 3000 | $\cdots$ | $\cdots$ | 849 | 1,443. | .. | "* | ... | $\cdots$ | M. 87 | 181 | $\cdots$ | 936 | 1681 |
| , 30 | Kukdel ... | 1 | 300 | ... | ... | 1,241 | 9,308 | ...' | ... | $\cdots$ | ... | P. 68 | $\left\{\begin{array}{l}193 \\ 250 \\ 250\end{array}\right.$ | \} ... | 1.304 | 9.501 |
| 81 | Lambole ... | 1 | 300 | $\cdots$ | $\cdots$ | 1,891 | 8.619 | $\cdots$ | $\cdots$ | $\cdots$ | ... | ... | ...... | ... | 1.291 | 3.619 |
| - 38 | Lonkheds . ... | 1 | 300 | ... | ... | 527 | 1,345 | $\cdots$ | ‥ | ... | ... | P. 297 | $\left\{\begin{array}{r} \text { c36 } \\ 1.309 \\ 1,309 \end{array}\right.$ | \}... | 884 | 2.281 |
| 83 | Malegen | 1 | 800 | ... | $\cdots$ | 441 | $8 \times 4$ | ** | $\cdots$ | $\cdots$ | $\cdots$ | ... | ...... |  | 441 | 814 |
| 34 | Maloni . ... | 1 | 300 | ... | $\cdots$ | 384 | 1.023 | ... | ... | ... | $\cdots$ | P. 64 | $\left\{\begin{array}{l}168 \mathrm{~g} \\ 859 \mathrm{~W} .\end{array}\right.$ | $\}$. | 438 | 1,180 |
| 85 | Manrad ... | 1 | 800 | ... | ... | 580 | 1.748 | $\cdots$ | $\cdots$ | ... | ... | ... | ...... | $\ldots$ | 560 | 1.748 |
| 85 | Mohide Tart Haveli,.. | 1 | 300 | $\cdots$ | ... | 1,502 | 9,050 | ... | $\cdots$ | $\cdots$ | $\cdots$ | ... | ...... | ... | 1.302 | 3,050 |
| 37 | Mohide hades. Tart Sha- | I | $s 00$ | $\cdots$ | ... | 4,284 | 10,101 | *- | ... | ... | ... | $\begin{cases}\mathrm{M} . & 79 \\ \mathrm{P} . & 80\end{cases}$ |  | \} ... | 4.418 | 10,427 |
| 38 | Nandarde . ... | $I$ | $\begin{array}{ll}30 & 0\end{array}$ | $\cdots$ | -- | 1,094 | 3,183 | $\cdots$ | $\cdots$ | $\cdots$ | ... | M. 3 | 8 | ... | 1,007 | 8.101 |
| 38 | Nandarkheds . | 1 | 300 | ... | ... | 938 | 8,479 | $\cdots$ | $\cdots$ | ... | ... | ... | ...... | ... | 888 | 9.479 |
| 40 | Ningavhan ... | 1 | 300 | ... | ... | 375 | - 961 | $\cdots$ | $\cdots$ | ... | $\cdots$ | $\cdots$ | ...... | ... | 856 | 961 |
| 41 | Padelde Budrak ... | 1 | $s \quad 0.0$ | ... | $\cdots$ | 1,958 | 6.923 | ... | ... | -... | ... | M. . 1 | 8 | ... | 1.980 | 5,326 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

$\pm$.
occupied land, Taluka Shahada, West Khandesh District.


APPEND1


I-continued.


[^2]

I-continued.


APPEND

N.B,-The soll sasessment shown in column 14, village No, 16 is for ontire numbers (A. 26. g. 4); the patarthal assesamen

L-cantinued.

is for a portion thereof onily. Figures of soil assessment on the patastial area are not available.

APPENDIX M.
Population and area of Government unoccupied land in the Shahada Taluka, West Khandesh District.




APPENDIX N.

## The following papers contain the correspondence relating to the expiring settlement.

Selections from the Records of the Bombay Government New Series Nos. CCCIXXVIII; CCCCXXIV.

> No. S. R. V.-8.
> Camp Shahada, 11th March 1918.

To
The COMMISSIONER, C. D., Poona.
Sir,
I have the honour to forward herewith a report from Mr. J. Abbott, I. C. S., Assistant Settlement Officer, on the Revision Settlement of the Shahada Taluka.
2. As in the oase of the other Trans-Tapti Talukas of this District the settlement period now expiring has been much shorter than that usually sanctioned, viz., 30 years. In the case of the greater part of the Taluka it was held convenient for the guarantee to expire simultaneously with that of Shirpur in 1917-1918; the remaining few villages settled subsequently were naturally brought into line with the rest of the Taluka.
3. The settlement period has been one of general prosperity, ushered in though it was by a year of famine. In respect of live stock the Taluka has only now made up the heavy losses it suffered in the famine.

In all other respects there are considerable advances on the state of affairs prevailing at the beginning of the current settlement. The sale value of land has more than tribled, and rents have advanced considerably in all groups but group III (it would have been interesting to know the circumstances which have led to low rents in Aslod). Prices are very much higher than the average of the decennium preceding the introduction of the current settlement; in fact only in two years of the settlement (1903-04) have prices shown any tendency to revert to the pre-settlement level.
4. In the circumstanoes of the Taluka as summed up by Mr. Abbott in the Section of his report which deals with the 'proposed settlement' it must be conceded that the Taluka can well bear the 33 per cent. enhancement allowed by the rules. Mr. Abbott proposes no changes in the present grouping though it is admittedly unsatisfactory, but the inequalities of the grouping are due to the past settlement history of the Taluka, and any adjustment would lead to the sacrifice of revenue.

It is an extraordinary feature of the settlement that in two-fifths of the villages affected by it, the present rates have been in force for half a century. This in itself is a potent argument for the maximum possible enhancement now, even if the facts recorded for the settlement period (of less than 20 years) did not fully justify such an enhancement.
5. The net result of the Assistant Settlement Officer's proposals is an increase of Rs. 88,266 in the total assessment of the Taluka.
6. There is a small amount of patasthal irrigation in the Taluka and I recommend that it should be dealt with in the manner proposed by Mr . Abbott.

> I have, etc.,
> (Sd). J. A. G. Wales, Collector of West Khandesh.

J. ABBOTT, Esquire, I.C.S.,<br>Assistant Settlement Officer, Khandesh;

Sir,
In accordance with Order No. 5248 of 27th April 1917, Government of Bombay, Revenue Department, I have the honour to submit for action under section 102, Land Revenue Code, proposals for the revision settlement of the inam village of Khed in the Shahada Taluka of the West Khandesh District. In this taluka there are nine inam villages but four are unsurveyed, and the Superintendent, Lands Records, C. D., reports that partial remeasurement and reclassification will be necessary in the case of four other villages (viz., Abhanpur Budruk, Abhanpur Khurd, Torkheda, Kakarde), there is thus only the one inam village of which I speak for me to deal with at present.
2. The original settlement of this village was sanctioned in 1916 (vide Letter No. General 196 of 28th February 1916 of the Commissioner, C. D.) and I append for easy reference a copy of the correspondence leading up to that sanotion. The rate of Re. 1 sanctioned was guaranteed so as to expire simultaneously with the current settlement of the taluka, i.e., in 191718. (Vide Government Resolution No. 11246, Revenue Department, dated 21st November 1916.) As less than two years have passed since the introduction of the settlement, submission of several of the usual settlement appendices seems unnecessary, and for general consideration I would solicit reference to the Settlement Report on the Government villages of Shahada Taluka which I am submitting simultaneously with this report. The village naturally falls into line with Group IV of the Government villages.
3. The village contains Government land which I have proposed should be assessed at Rs. 1-5-0, and I propose therefore that the same rate be applied to the whole village. There being no rice nor patasthal land in the village and mptasthal land being assessed as dry crop that rate will be a-single one for the whole village.
4. The population of the village in 1901 was 345 , it was 381 in 1911 ; a little more than 25 per cent. of the population is Bhil. The village is situated within half a mile of the market town of Khetia in the Barwani State and there its residents find their principal market.
5. The figures of area and assessment as now given by the Mamlatdar are as follows:-

6. Finally I have to propose that the proposed rate, if approved, be guaranteed so as to expire simultaneously with those of the taluka in 1947-48.

> I have the honour to be, Sir, Your most obedient servant, J. ABBOTT, Assistant Settlement Officer, Khandesh.

## 44

## No. S. R. V.-8.

Camp Shahada, 16th March 1918.
Forwarded with compliments to the Commissioner, Central Division.
2. The rates sanctioned two years ago were slightly in advance of the mamul rates and the rates now proposed represent an enhancement of $31^{\prime .23}$ per cent. There is no reason however why the Inamdar should not recover assessment at the rates now proposed for the group in which his village naturally falls and the Collector therefore supports Mr. Abbott's recommendations.

G. A. G. WALES, Collector of West Khandesh.

APPENDIX L.

Effect of Revision Settlement Proposals

|  | Evame of Village. | B) Former Settlement. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | No. of Group. <br> 8 | Maximum rates. |  |  | Dry-orop. |  |  | Rice. |  |  | Garcen. |  |  | Total. |  |  |
|  |  |  | Dry- crop. c | Rice. | Garden. | Ares. | $\left\|\begin{array}{c}\text { Assers- } \\ \text { ment. } \\ 0\end{array}\right\|$ | Ave- <br> rage. <br> 8 | Areas | ( Assess- | Ave- rage. 10 | Area. | $\left\lvert\, \begin{gathered}\text { Assess-! } \\ \text { menti. } \\ 14\end{gathered}\right.$ | Average. | Aren. | $\begin{gathered} \text { !Assesg. } \\ \text { ment. } \\ 17 \end{gathered}$ | Averase. |
| $\pm$ | Khed Digar. | IV | $\begin{array}{\|ccc\|}\text { Re. } & \text { a.c. } & \text { b. } \\ 1 & 0 & 0\end{array}$ | $\cdots$ | $\cdots$ | 1,296 | R8s. | Rg. a. ${ }^{\text {P }}$ | ) |  |  | 8 | Es. | $\left\|\begin{array}{ccc}\text { Re. as } \\ 0 & 14 & 0\end{array}\right\|$ | 1.308 | Re. | $\left\lvert\, \begin{array}{rrr} \text { Rs. } & \text { a. } & \mathrm{D} \\ 0 & 14 & 5 \end{array}\right.$ |

L.
on Inam occupied land in Shahada Taluka, West Khandesh District.

| By Beviaion Setulement, |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Percen-tageincreaseordecrease.34 | Name of village. | Nateber.$36$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maximnm rates. |  |  | Dry-orod. |  |  |  | Rioe. |  |  | Carden, |  |  | 'Total. |  |  |  |  |
| Dry. trog. 19 | Riog. 80 | Gar- den. 91 | Area. | $\left\lvert\, \begin{gathered}\text { Assess- } \\ \text { menti } \\ \text { gs }\end{gathered}\right.$ | Ave- rage. 94 | Area. | $\left\lvert\, \begin{gathered}\text { Agsess } \\ \text { ment. } \\ 98\end{gathered}\right.$ | Ave- sage. 2\% | Area. <br> 88 | Assesa- menti g9 | Ave- rage. S0 | Area. | $\left\lvert\, \begin{gathered}\text { Ascesas- } \\ \text { ment. } \\ 39\end{gathered}\right.$ | Average. |  |  |  |
|  |  |  | 1.805 | Rs. <br> 1,538 | $\begin{array}{cccc}\text { 8.a.a. } \\ 1 & 8 & 11\end{array}$ |  | 4. | $\cdots$ | 8 | 9 | Rs. A. p | 1,503 | E. <br> 1,548 | $\left\lvert\, \begin{array}{ccc}\text { Re. } & \text { anc } & \text { d. } \\ 1 & 9 & 11\end{array}\right.$ | +31.83 | Kh od | 1 |

# Original Settlement Report of the Inam village of Khed, Taluka Shahada. <br> No. 3369, dated Camp Jalgaon, 22nd December 1915. 

From

A. F. L. BRAYNE, Esquire, M.A., I.C.S., Superintendent, Land Records, C. D., Podna;

To
Thi COMMISSIONER, C. D., Poona.
Subject:-Settlement Report.
Sir,
I have the honour to submit proposals for the original settlement of the inam village Khed in the Shahada Taluka of the West Khandesh District. The village is held as personal inam by the Jahagirdar Shankarrao Dagadujirao.
2. The position of the village will be seen from the map bound with Selection No. CCCLXXVIII new series of the Shahada Taluka. It is situated on the northern border of the taluka nearly a mile off from the Suki river and adjoins Barwani State lands.
3. The provisions of Chapter VIII and IX of the Land Revenue Code were extended to the village under report by G. No. 784 dated 26 th January 1909.
4. Survey operations were carried out in the year 1912-13 by the Central Division Field Party under the general supervision of the Superintendent, Land Records, C. D. The field work was tested by the Head Surveyor in charge of the party.
5. The results of the survey operations are shown below under several. heads of cultivation:-

| Description. |  |  |  | Area. |
| :--- | :---: | :---: | :---: | :---: |
| Dry crop | $\ldots$ | $\ldots$ | $\ldots$ | 1,295 |
| Garden (M) | $\ldots$ | $\ldots$ | $\ldots$ | 8 |
| Rice | $\ldots$ | $\ldots$ | $\cdots$ | $\ldots$ |
| Unassessed | $\ldots$ | $\ldots$ | $\cdots$ | 62 |
| Unarable | $\cdots$ | $\cdots$ | $\cdots$ | . |
|  |  |  | Total | $\ldots$ |
|  |  | $\ldots$ | 1,365 |  |

6. The village lies close to the Government villages of the 4th group rated Re. 1. It contains Government land which has been assessed at the above rate, viz., Re. 1 at the general revision of the taluka and the same rate is therefore proposed for the village under report the application of which results in an increase of 6.2 per cent. . over the mamul revenue for 1912-13 on the outbandi system.
7. There is neither rice nor patasthal land in the village. Motasthal land will as usual be assessed within the maximum dry crop rate:
8. The area and assessment under several heads of cultivation are given below :-

| Dsosoription. |  | Area. | Ascessment |
| :---: | :---: | :---: | :---: |
| Occupied land | ... | 1,194 | 1,072 |
| Unoccupied land | ... | 2 | 1 |
| Inam | ... | 107 | 08 |
| Unassessed and unarable | ... | 62 | ... |
| Total |  | 1,365 | 1,181 |

9. Should the proposed rates be approved it is recommended that they be guaranteed so as to expire simultaneously with those of the taluka, i.e., 1917-18.

I have the honour to be, Sir,
Your most obedient servant,
A. F. L. BRAYNE, Superintendent, Land Records, C. D.

No. S. R. V.-2.
Dhulia, 9th February 1916.
Forwarded with compliments to the Settlement Commissioner, Poona. The proposals of the Superintendent of Land Records, C. D., have the approval of the undersigned.

J. A. G. WALES, Collector of. West Khandesh.

$" \overline{\text { No. S. T.-51. }}$
Poona, 14th February 1916.
Forwarded with compliments and concurrence.

F. ANDERSON,<br>Settlement Commissioner and<br>Director of Land Records.

## No. Genl.-196 of 1916.

From

> C. N. SEDDON, Esquire, I. C.S., Acting Commissioner, C. D.;

To

## The SETTLEMENT COMMISSIONER and <br> DIRECTOR of LAND RECORDS.

Poona, 28th February 1916.
Sir,
With reference to your endorsement No. S. T.- 51 of the 14th instant, I have the honour to accord sanction to the proposals of the Superintendent, Land Records, for the original settlement of the inam village of Khed in the Shahada Taluka of the West Khandesh District.
2. The rates should be introduced as early as possible and should be guaranteed so as to expire simultaneously with those of the taluka.

I have the honour to be,
Sir,
Your most obedient servant,
C. N. SEDDON,

Acting Commissioner, C. D.

APPENDIX

Q.

A. F. L. BRAYNE,

Superintendent, Land Records, C. D.

# Below No. S.R.V.-8 dated 16th March 1918 from the Collector of West Khandesh. 

No. S.T.-183.

Poona, 6th May 1918.

Forwarded with compliments.
2. This case presents very considerable similarity to that of Taloda. There is now very little that is worth saying in general review of Mr. Abbott's Report which is very full, even possibly over-full when we consider the simple character of the issues before us. I propose to confine my remarks to a very few points.
3. We find here just as in Taloda groups with a very wide difference between the top and the bottom. There are 5 groups ranging from Rs. 3 down to 12 annas. Yet the 1st and the IVth group are in actual contaot along several miles. One steps from Rs. 3 into Re. 1 by simply crossing the boundary line of a field. The present maximum rates are not in uniform proportion to the value of the land. The Land Revenue Code plainly requires that the assessments shall "have regard to the value of the land". This cannot possibly mean that in one area they should bear a widely different relation to the value and profits from that which they bear in another area. It is fundamental to all laws as to taxes that they should aim at a fair distribution of the burden. Then we find our way barred by the 33 per cent limit. All the groups can easily bear an increase of 33 per cent. They can also bear much more. But if we simply impose this increment of one-third, we leave the groups far more widely divergent than they were before, and every anomaly in the last settlement grouping is still more sharply accentuated and the difficulty of coming back to taxation based upon actual values is made far greater for the next generation.
4. I therefore think in the "first place that we cannot adhere too slavishly and pedantically to the 33 per cent. limit. That limit was deliberately imposed with a view to the saorifice of Government revenue in pursuance of a theory which like most theories was not sound without a good deal of modification which was not applied. Since therefore we do not feel able to throw off the restriction, let us sacrifice revenue in such a way that we shall at any rate modify the existing anomalies while keeping within the letter of that guarantee. The way I would proceed is as follows.
5. Group $I$ is overgrown; it contains half the whole taluka. It was proposed to be rated at Rs. $3-4-0$ even at the last settlement, but Government cut it down to Rs. 3 in deference to the 33 per cent. rule. I now propose to reduce group $I$ by 12 villages, and then to raise the 51 which remain by a full one-third to Rs. 4 [instead of Rs. 3-15-0 as Mr. Abbott proposes. He seems to be afraid to put the increase even at $33 \cdot 3$ but cuts one anna off. No doubt when Government said 33 per cent. they meant strictly speaking the limit to be one-third or 33.3 .] We then come to group II with 26 villages. I propose to add to this the 12 villages reduced from group I, and then take away 4 villages and push them down into group III. This will leave the group with a strength of 34 villages, and I would put the rate at Rs. $3 t$ over all. This means that the villages reduced from group I have an increase much less than 33 per cent., while the remaining 22 villages suffer an increase of $44^{\prime} 4^{\prime}$ per cent. But the increase over the whole group of 34 villages will still be in the vicinity of 33 per cent. Then we come to old group III of 18 villages. This is proposed to be increased from Rs. $1 \frac{1}{9}$ to Rs. 2 by Mr. Abbott. But I would also add the 4 villages reduced from group II now assessed at Rs. $2 \frac{1}{4}$, and adding only 4 annas to those 4 villages I would fix a rate for the whole 22 villages at Rs. $2 \frac{1}{2}$. In this group, the aggregate increase will be about 50 per cent.,
and if Government are not prepared to sanotion an excess over 33 per cent., even in the case of these 22 villages as a group, then the rate must be fixed at Rs. 2-4-0 instead of Rs. 2-8-0, which will bring the increase in respect of the whole 22 down to about 33 per cent. Out of the 22 villages, it is worth noting that at least ten have had no inorease during each of the last two settlements, having originally been in the old VIIth group at Rs. 1-8-0, and having remained there now for over 50 years. When the 33 per cent. limitwas announced, it certainly contemplated a 30 year settlement. Then finally we come to groups IV and V containing 43 villages assessed at Re. 1, and four villages assessed at 12 annas. I propose to amalgamate these two groups into one group, and to assess it not at Rs. 1-5-0 as Mr. Abbott proposes for group IV, but at Rs. 1-4-0 for the combined groups ; thus the assessment of the combined groups will not be enhanced more than 33 per cent.
6. In selecting 12 villages for degradation from group $I$ and four more for degradation from group II, I have been guided by the sale and rent statistics. And I am also glad to find that these 12 villages will form a very satisfactory transition belt between group I and group II, and will remove the grave anomaly that I have already pointed out, the anomaly that we step straight down from group I into group IV at one point without any intervening grade. The 12 villages I select out of group I are these :-Waijali, Dongargaon, Kahalul, Kukaval, Kothli, Mohida, Hola, Kavthal, Wadali, Bamkheda, Fes and Dondwada. The four villages which I propose to degrade from group II to group III are Chandsaili, Padalda-K, Gangapur and Pimpri.
7. These proposals will be found to conform to the general valuation of lands as found in the sale and rent statistics. Moreover, they are topographically logioal; and the main point is that instead of five groups of very unequal size ranging from Rs. 3 to 12 as., we shall have four groups much more uniform in size and ranging from Rs. 1-4-0 upto Rs. 4 ; a difference from top to bottom of Rs. 2-12-0 instead of Rs. 3 proposed by Mr. Abbott. The resulting assessments will not take the fair standard State share of the total profit, but it will rectify our general course and pat us in a better position at the next settlement to get a more uniform distribution of the taxation. It is evident that hereafter we shall have to mark time with the enhancements of upper groups, and bring up the lower groups by larger increments. These present IVth and Vth groups were formerly undeveloped and over-run with forest and wild beasts, and as agriculture, peace and prosperity, has spread, the benefit in these groups has been far more marked than in the upper groups. In fact, in such tracts the 33 per cent. limit is less defensible than anywhere, beoause the increment in land value which takes place during a settlement period is only to some extent due to individual exertions, but is chiefly the result of communal activity.
8. The proposals are to increase the patasthal assessment according to the Purandhar system, which we have been already discussing in connexion with Tasgaon. In the present case, I do not see any reason or justification at all (while increasing the soil rates by 33 per cent.) for limiting the increase in the water rates to 25 per cent. The water rates are the bulk of the total assessment. Satistics show that if the soil rates oan bear an increase of one-third, the water rates can stand an increase of 100 per cent. at least ; so that if there be any difference in the treatment, it should not be a lower rate for water than for soil, but the contrary. However, I see no reason for making any difference. It is far better to give the same increment to both the soil and the water share, separately recorded.
9. We have no concern at all in this discussion with the Public Works Department irrigation rates. They are usually assessed on fundamental wrong principles, but we cannot help, and must not be influenced by those wrong principles. "The rate of Rs. 8 assessed in R-2444-06 is avowedly based upon the "cost of the water supply", which is a violation of the Land Revenue Code which requires us to base our rates on the value of the land receiving the irrigation. The idea of assessing with reference to the cost of

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supply should be firmly repudiated, and the increase in the water share assessment should be the same as the increase in the soil assossment for the group, and certainly on no account should it be a less increase.
10. The proposals of the Assistant Settlement Officer for the Inam village of Khed are accepted with the modifioation that the rate should be Rs. 1-4-0 as proposed for group IV of Khalsa villages.

F. ANDERSON,<br>Settlement Commissioner and<br>Director of Land Records.

# Below No.' S.T.-183, dated 6th May 1918, from the Settlement Commissioner and Director of Land Records. 

No. A.- 415 of 1918.
Camp Mahableshwar, 17th May 1918.
Submitted to Government in the Revenue Department.
2. I am inolined to support Mr. Abbott's proposals with the slight modification proposed below :-

It does not seem to me thiat the Settlement Commissioner quite makes out a case for his alterations. It is perfectly true, no doubt, that four groups ranging from Re. $1 / 4$ to Rs. 4 are better theoretically than five groups ranging from Re. 1 to Rs. 4. But, after all, the fifth group has only four tiny villages, the total assessment of which is about Rs. 1,000. So that except for this trifling bit of the taluka Mr. Abbott's variations are from Re. $1 / 5$ to Rs. 4 which is better than Re. $1 / 4$ to Rs. 4 . In any case it is not worthwhile altering what the Settlement Officer and Collector approve, and what was done by experienced officers, and has proved perfectly suitable. As for the dozen villages which Mr. Anderson puts down from Group I to Group II and the four which he takes from Group II to Group III, I do not see that sufficient reason is given. It is always a little dangerous to ignore an arrangement which has been approved of by a series of officers who know, or have known, the Country, and substitute for it something evolved from a glance at the map and another glance at figures of rents and sales. Mr. Anderson says his proposals conform to the general valuation of lands as found in the sale and rent statistics. This seems to me rather a sweeping statement: the evidence is not at all decisive, nor is there enough of it. I suppose Mr. Anderson is clear as to the villages he intends to put from Group I into Group II, but there are two Mohidas, two Kavtals, two Bamkhedas, and Mr. Anderson does not say to which of these he refers.
3. I would therefore leave the groups as they are and raise them all $33 \frac{1}{3}$ per cent. The new rates should therefore be, not what Mr. Abbott suggests, but Rs. 4, Rs. 3, Rs. 2, Re. 1-5-4 (or say Re. 1/6), Re. 1. That is, of course, on the supposition that Government are not willing to abandon the $33 \frac{1}{3}$ per cent. rule. Looking through the papers connected with this case I find a paragraph in Government Resolution No. 500, dated 24th January 1902, running as follows - "It is not in the opinion of Government desirable that there should be different rates for Bhils or people of other wild tribes and for more advanced persons. On the other hand, it should be recorded that the rates are special on account of the fact, that the lands are generally cultivated by members of the wild tribes and do not represent the assessment which the value of the land would justify. Government reserve the right to revise these assessments without having regard to the general limit imposed by their orders contained in Government Resolution No. 2619, dated 26th March 1884, on the revision of assessments." This means, to say that although in a particular village a Bhir is not oharged less than a Gujar, villages where most of the cultivators are Bhils specially low rates have been sanctioned, and these rates can be increased at revision settlements without regard to the 33 per cent. rule. Now in Shahada as in Taloda, the real reason for the rates of the lower groups is that the cultivators are, or were supposed to be, mainly Bhils. Here Mr. Abbott tells us that 19 villages are ocoupied exclusively by Bhils. He does not say whioh those villages are, but no doubt they include all in the last group where Bhils own 46 per cent. of the land. However in any case I think I oan hardly reoommend great increases in these lower groups. We may be content with $33 \frac{1}{3}$ per cent. for the present but reaffirm our right to ignore that limit later on.
4. As to patasthal and the inam village of Khed I agree with the Setflement Commissioner. There is no particular reason why we should not take as much increase on the water as on the soil assessment. Both may be one-third separately recorded, as Mr. Anderson says.

## C. N. SEDDON,

Commissioner, C. D.

Revenue Survey and'Assessment.
West Khándesh-
Revision settlement of the Sháháda táluka and of the inam village of Khed.

# GOVERNMENT of BOMBAY. 

# Revende Department. 

Resolution No. 7434.
Bombay Castle, 16th July 1918.
Memorandum from the Commissioner, C. D., No. A.-415 dated 18th May 1918Submitting, with his remarks, the papers specified below* containing proposals for the revision settlement of the Sháháda táluka of the West Khándesh district, and for the original settlement of the inám village of Khed.

- Letter from Mr. J. Abbott, L.C.S., Assistant Settlement Officer, Khándash, dated 27th February 1918 with accompaniments.

Letter from the Coliector of West Khandesh, No. S.R.V.-8 dated 16th March 1918.
Letter from Mr. J. Abbott, I.C.S., Assistant Settement Oficer, Khindesh, dated 97 the February 1918.
Memorandum from the Collector of West Khándesh, No. S.R.V. $\rightarrow 8$ dated 16th March 1918.
Letter from the Suparintendent of Land Records, O. D., No. 3369 dated 28nd Desember 1915.
Memorandum from the Collector of West Khándesh, No. S.R.V.-2 dated 9th Februsry 1916.
Letter from the Commissioner, C. D., No. Genl. 196 dited 28th February 1916.
Memorandum from the Settlement Commissioner and Direotor of Land Records, No. S.T,—183 dated 6th May 1918.

Resoldtion.-These papers contain proposals for the re-settlement of 163 Government villages, of Government land in five inám villages and of the inám village of Khed in the Sháháda táluka of the West Khándesh district. The current settlement, which is the first revision settlement in 152 Government villages and the original settlement in the remaining villages, was fixed for a shorter period than usual in order that the revision should be undertaken concurrently with that of other trans-Tapti settlements.
2. The Assistant Settlement Officer's report indicates that a considerable increase in prosperity has occurred during the period of the expiring settlement and Government are of opinion that the statistics given in the report and its appendices fully support the general conclusion that the full permissible increase should be imposed upon the present assessments of the taluka.
3. Government do not consider that there is ocoasion at the prosent time to alter the grouping in the direction indicated by the Settlement Commissioner and accordingly the grouping and rating proposed by the Commissioner, C. D., are approved. The Government land in the five inam villages should be rated according to the grouping those villages at present possess. The appended statement shows the rates sanctioned by Government for the Government villages.
4. Government accept the recommendation made by the Commissioner in paragraph 4 of his memorandum that the Purandhar method of increase of water assessment should be adopted. The rate of increase should be 5 annas in the rupee.
5. The proposal of the Assistant Settlement Officer to include the inám village of Khed in group No. IV is approved.
6. The revised rates should be introduced during the current revenue year 1917-18, levied from 1918-19 and guaranteed for a period of 30 years.

## A. F. I. BRAYNE,

## Under Secretary to Government.

[P. T. O.

To

The Commissioner, C. $\cdot$.',
The Collector of West Khśndesh,
The Settlement Commissioner and Director of Land Records,

The Director of Agriculture, The Accountant General,
The Public Works Department of the Secretariat, The Government of India (by letter).

Statement referred to in paragraph 3 of Government Resolution No. 7434 dated 16th July 1918 :


APPENDIX L.

Statement showing the effect of Revision Settlement proposals on Governme


Is
occupied land in the Shahada Taluka in the West Khandesh District.


APPENDIX

L.-continued.

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L.-continued.


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V. B. MARDHEKAR,

Superintendent, Land Records, C. D.



From

> J. ABBOTT, Esq., I. C. S., Assistant Settlement Officer, Khandesh;

To
TER SETTLEMENT COMMISSIONER,

Poona．

Sir，
I have the honour to submit herewith proposals for a Revision Settlement of the Taloda taluka，West Khandesh，which settlement will in the case of 81 villages be the second Revision Settlement．

2．Exclusive of the Mewas estates in the west and of the paraganah of Akrani in the Satpura uplands，whioh latter was handed over to the care of the Forest Department in 1906 （vide Government Resolution No． 8435 of 31 st August 1906），there are in this taluka 145 villages，of which 132 have been surveyed． The unsurveyed villages comprise two inam villages and 11 Government villages included in forest area；the surveyed villages include eight inam villages and one village which was incorporated in the forest before the last settlement． My report deals with 123 Government villages and with the Government land in four inam villages．

3．The current settlement of the Government villages was introduced in the years and under the authority quoted below，and was guaranteed up to the revenue year 1917－18：－

| No． of villages． | Settlement． | Yea |  | Authority． |
| :---: | :---: | :---: | :---: | :---: |
| 81 | Rerision $\quad .$. |  |  | Government Resolution No． 889 of 9nd February 1899. |
| 42 | Original ．．． | 1904－1905 | $\cdots$ | Government Resolution No． 602 of 24th January 1902. Government Resolution No． 1389 of 26th February 1903． |

4．The settlement of Government lands in the inam villages of Taloda， Bhavar，Dalepur and Panibare respectively was introduced as follows ：－


5．The taluka proper inoludes the hilly and wild country of the Bhil estates in the west and the plateau of the Satpuras between their abrupt descents to the valleys of the Tapti and Narbada rivers；but the area that forms the subject of my report is the plain land between the wall of the Satpuras on the north． and the river Tapti on the south－the entire plain save for those Bhil estates that have land in the plain in the west．Its general features are aptly， summarized in the local explanation of the name of the taluka headquarters town Taloda as derived from तぁぁも＂a plain．＂

6．This plain，as contrasted with the plains of other north Tapti talukas，is remarkably uniform in appearance．The steep front of the Satpuras belies their real influence；the rivers of the plain are shallow of bed and the marked grada－ tions of soil，so characteristic of other talukas similarly situated and due to the scouring force of water from the hills，are not to be found．
：$\times 100-1$

Sori.
7. As was remarked in the Settlement Report of 1896, the soil is for the most part a rich black loam which extends almost without deterioration up to the foot of the hills, though there is a fair amount of reddish lighter soil and in places even of saltish soil. Several of my appendices show a general uniformity of soil accompained by a very high average classification. Appendices $G$ and $H$ show that the money value per. acre of land in four out of the existing five groups has no marked fluctuations from group to group, whilst appendix $I$ shows that the average assessment in each group respectively is but a small percentage below the maximum fixed for that group. To take an instance of contrast from another taluka, I would compare the average assessment of group I in Shirpur taluka with the same assessment of the same group in Taloda taluka. The maximum assessment in each case is Rs. 3 and the groups are similarly situated in plain land unbroken by hills, but in Taloda taluka the average assessment is Rs. 2-10-0 whereas in Shirpur taluka it is only Rs. 2. Further exemplification would show the following percentage of the respective maximum assessments for the talukas obtained in the three north Tapti talukas of west Khandesh:--

| Taloda | $\ldots$ | $\ldots$ | 85 |
| :--- | :--- | :--- | :--- |
| Ser cent |  |  |  |
| Shahada | $\ldots$ | $\ldots$ | 77 |
| Shirpur | $\ldots$ | $\ldots$ | 62 |

8. As the maximum assessment of a group or taluka according to the settled rates is presumably most likely to be obtained when variations from the highest classification are few, one must assume that the soil of the Taloda taluka is uniformly of high value though it should be remarked that the forest creeps down the Satpuras and breaks-up everywhere the villages near their foot where is the stoniest ground.

## Climate and Rainfall.

9. Appendix A and the notes thento will sufficiently explain the nature of the rainfall, which in view of the extent of wheat cultivation is of peculiar importance. Gambling upon the climate and rainfall, èven more than upon the market, accounts for the highly speculative nature of cotton growing in the taluka (vide appendix I), for in normal seasons cotton cultivation is said to be devitalized by the mists that rise from and hover over the sodden ground.
10. The rain and the proximity of the forests naturally make the autumn and early winter feverish; the close proximity of the rocky face of the Satpuras reflecting its gathered heat, unfortunately, prevents the taluka having a compensation for the feverishness of half the year in the comparative coolness of its hot weather.

## Cropa and Cultivation.

11. Wheat is the principal crop of the taluka and is grown in rotation with other crops, the Bhil cultivator preferring a rotation with gram and the Shahu with other grains. The produce of the right oonjunction of rain and soil the local cultivator calls 'banshi,' in this way using as indicative of a good quality of rich yellow grain a term which in other talukas of Khandesh is used to express a distinct species of wheat.
12. Cotton growing is a tempting but precarious investment; to the looal explanation of this fact I have already alluded. In the Survey Commissioner's report of 1898 it is suggested that the comparatively small cultivation of cotton, as compared with wheat in this taluka, is due in part to the fact that water lies far closer to the surface in this than in other talukas farther east. It is remarked too that, having regard to the rainfall in the Gujarat districts which grow cotton, it is doubtful if the moisture in the soil is less favourable to cotton, and the opinion is expressed that the cultivation and disposal of wheat is easier to the Bhil than that of cotton, and that the wheat traffic via Nandurbar makes a profitable outlet for wheat. Now, as 34,335 acres of land in the taluka are held by Shahus, i.e. 49 per cent of the entire cultivated area, and as in the Bhil centres of groups III and IV the Bhil shows a marked preference for oil-seeds over any other crop, and the greatest amount of wheat is grown by the same people that cultivate the greatest area of cotton, the explanation of
the manifest general reluctance to grow cotton must, I think, be sought elsewhere. In the Settlement Report of 1896 the fact is noticed that ootton runs to wood and leaf in the best soils, and the remark is made that probably only a suitable species of the plant is really required. Now, the conditions of the Nawapur peta would seem even more inimical to the cultivation of cotton than those of this taluka, if the rainfall alone be considered, but the Broach variety of ootton which is grown in that peta was tried in the taluka a few years ago and proved a failure. As the peta is reputed to be less troubled with mists than the taluka, and the zamindars of the Indus Delta justify their reluctance to cultivate cotton on the same grounds as do the cultivators of Taloda taluka, some credence perhaps can be placed in the local tradition. About 25 per cent of the cotton grown in the taluka is of long-staple variety. Cotton is grown in rotation and not two successive years in one number; it is rarely mixed with other crops though sometimes ambadi is grown with it:
13. Ambadi is grown by cultivators of all castes mainly for home oonsumption and sàn by the Bhil. Rice is grown where the rainfall is heavy; its cultivation is practically confined to Bhils and it is in fact among the imports of the taluka.
14. In the immediate vicinity of the taluka town is a number of welltended gardens, but the rest of the taluka bears a more or less uniform aspect of general cultivation, and the why and wherefors of the difference in its details can usually be found in the caste of the cultivator. In the west the Bhil preference for oil-seed cultivation shows itself in a striking expanse of erandi cultivation, but it will be long, I suppose, before it ceases to be possible for two opinions to prevail as to the standard of Bhil husbandry.
15. The manuring of fields is irregular and made about every third year. The Bhil in his anxiety not to encourage weeds does not believe in adding enrichment to his soil.
16. There is no true system of fallow in the taluka, but a certain area remains fallow every year. This area varies in the different groups, and is greatest where jungle and weed clearance is least thorough, and therefore naturally particularily so in group IV. The taluka percentage of fallow, however, is a high one in all groups as compared with other north Tapti talukas. The heavier rainfall, it is alleged, is one, principal cause of the prevalence of uncleared ground but field industry is undoubtedly less energetio than in neighbouring talukas. The percentage of fallow in those other talukas and in their first groups is offered here for comparison with the figures of Taloda taluka:-

17. Ploughing is an annual event in the case of land devoted to wheat cultivation; in the case of land sown with cotton a bullock-drawn hoe is generally used instead of a plough.
18. The following table will show the varied preference for several of the chief crof since 1902 : the figures give the quinquennial average of percentages on the entire oropped area:-

19. These figures will show the diminishing importance attached to cotton and the increased attention paid to jowari and wheat cultivation. The increased preference for rabi crops is illustrated by yet another table, which presents quinquennial averages of the area cultivated in the rabi and kharif seasons respectively:-

20. As in Shahada taluka since 1911 there has been a reversal of the previous proportions of rabi and kharif jowari and the area of the former is now persistently greater than that of the latter:-

21. This table, which gives the average figures of.irrigated cultivation for the five years 1912-16, shows that irrigation plays no important part in the taluka; even its unimportance, however, is not adequately emphasized by these figures, which do not show how largely the total irrigated area varies from year to year. Variations in this area are suggested more clearly by appendix $F$ which illustrates the great fluctutations that have occurred in the number of kacha wells for irrigational purposes, whilst the number of pakha wells for the same purpose has remained fairly constant since 1901. The data, from which the table showing the irrigated area and appendix F giving the wells and tanks of the taluka were made, are at one in illustrating the fact that the most copious water supply of the plain is in the medial belt running parallel to the hille and at some distance from the Tapti river. The villages of groups II and III are thus the principal villages benefitted by the nearer approach of the subsoil water to the surface in this belt, where it is found at depths of 12 to 40 feet as contrasted with 50 to 70 feet elsewhere, whilst group V participates in this advantage in the west, where the villages of Asapur and Morambe are much further south than any other of this group. The inam villages being favourably situated in the medial belt contain almost as many wells (270) as the rest of the taluka.
22. With respect to irrigation by the water of the main xivers there is no irrigation from the Tapti or Waki; the Walheri stream at times affords water for this purpose, but its supply is inconstant; in 1914 some 200 acres were irrigated from it, in 1915 ten acres, and in 1916 there was no irrigation from it.
23. There is no special water rate in the taluka and all irrigated area has been treated at the settlements as dry-crop area. Under the authority of the Land

Revenue Code temporary water rates are imposed by the Collector, and this system appears ṣufficiently elastic of extension under the special circumstances of the taluka.

## Live and Dead Stock.

24. Few remarks, I think, are necessary on appendix $D$ which explains itself. The famine of 1899 caused a great destruction of cattle; though the percentage of cattle that died in this taluka was not ashigh as that in Shahadu or Shirpur talukas, the number of cattle was reduced from 21,397 to 13,239 and the taluka with its present total of cattle $(23,548)$ has only just succeeded in passing the census of cattle before the famine. The general increase in stock since 1900 shared by all groups bas a marked exception in the case of goats: the number of these has diminished, I was told by the local cultivators, because their feet stick in the sodden soil of the rainy season and become diseased. Sheep are not possessed by the inhabitants of the taluka, but are brought in seasonally for grazing from Sakri and other outside talukas. The chief variety of bullock is that of country breed; that of Nemad then follows, and there has been a slight cross-breeding of cattle with the Malvi and Khilari breed.

## Соmmunications.

25. There is one metalled road in the taluka running from Taloda to the Tapti-crossing on the Nandurbar road; country roads of the ordinary type run from the centre of the taluka to Shahada and Prakasha in the east and Kukarmunda and Akalkua in the west. Though some enlargement and improvement of the Taloda-Shahada road was made during the famine year of 1901, the communications in general of the taluka have not changed since the beginning of the present settlement. They still lead within the taluka to the marts of Akalkunakukarmunda and Taloda which have only a local importance. Since 1899, RUWever, the opening of the Tapti Valley Railway has been a factor of the greatest importanoe to the taluka, and to this railway the taluka bas 'easy approach at Nandurbar, for as the Tapti is not in flood during the seasons of harvest, save possibly the harvest of early cotton, the difficulties of crossing that river are personal inconveniences rather than commercial hindrances.

Fatrs and Marrets.
26. There are two annual fairs in the taluka at Taloda and Pati that attract some 3,000 visitors. There are bazaars weekly at Taloda, Akalkua and elsewhere, and at Taloda a second bazaar weekly at which the timber trade of the taluka finds its market, but all these are of local importance only; residents of the east find additional opportunities for business and indulgence in the neighbouring markets of Prakasha and Shahada.

## Industries.

27 Appendix E shows that the taluka is quite lacking in local industries. Its bazaars offer for sale no products thereof. For ginning the cotton of the taluka is sent to Nandurbar.

## Wages.

28. The old system of paying for labour in kind still abides in the case of carpenters, blacksmiths, cobblers, barbers, dhobis and in the case of some village servants.
29. As the saldari system of labour contract is generally supposed to have retained its more noxious aspects of commercial slavery longer in the west of Khandesh than in the east, and Taloda taluka with its mixed population prima facie affords a good field for observing its working, a few comments on the system as it now works appear called for. By Government Resolution 11166 of 4th November 1908 it was pointed out that the Breach of Contract Act XIII of 1859 did not apply to such contracts, which could be enforced only by civil suit. From a reference to the civil court of Nandurbar I find that the number of such civil cases instituted since 1908 against' 'saldars' of Taluda taluka has been 22 only in all and it is quite clear that this method of enforcing contract-in view of the latitude of decision allowed to the court-is an unpopular one. That there are different ways of looking at the new situation, and different avenues for the flow of sympathy, is evinced by the report I received from the Mamlatdar that the 'saldari' system had 'gone
$-100-2$
worse' as now saldars obtain a yearly remuneration of Rs. 150, besides a loan of grain in advance, and can compel the hirer of their labour to 'yield both in point of money and work.'
30. It is somewhat difficalt to be accurate in describing the details of the ordinary wage system. Unskilled labour probably is remunerated by a daily wage of 6 to 8 annas; stilled labour by one of 12 annas to one rupee. Labour is still a commodity of which the demand exceeds the supply, and the inelasticity of the supply is well illustrated by the variations in the wages of cotton pickers which fluctuate according to the season from $2 \frac{1}{2}$ annas to 6 annas a day.

## Population.

31. The taluka is an interesting one from the point of view of population as the Bhil of Taloda is a comparatively prosperous cultivator, and the social conditions of the taluka are largely determined by the number of his race.
32. The population given in the Settlement Reports of Mr. Maconachie in 1896 was 22,299 souls of 114 villages, a census that excluded the population of nine small villages in group V and that of the taluka town. In the light of subsequent censuses this enumeration would seem to have represented the facts of some census previous to 1896 and not of the year 1896. In 1899 before the great famine occurred the population would seem to have been 32,192; according to the census of 1901 it was 28,535 and according to tuat of 1911 36,484 and the present population is about 40,600 . These figures, which do not include figures from the Akrani paraganah or the Mewas estates but include those of the inam villages, where not the actual figures recorded in the various censuses, have been obtained by calculation from the known number of births and deaths. There is, therefore, a margin of possible error, but I still find it difficult to understand the allusion made in Government Resolution 502 of 24 th January 1902 to a drop of 59 per cent in the population as the result of the famine of 1899. The birth and death registers between 1899 and 1901 show some 5,665 deaths and 2,008 births in the plain; examining the figures for the Akrani villages I find the births and deaths for 1899 respectively 919 and 299, and for 1900178 and 2,125, the total census for the Akrani villages in 1901 being 5,616. Though then the death-rate in the Akrani villages was very high, the death-rate in the plain was little higher than in talukas further west, and I am inclined to think that the Government resolution, to which I allude, has confused the death-rate among the small population of the Satpuras with that in the villages below, though even this assumption does not explain a figure so large as 59 per cent.
33. The average annual number of births and deaths in the taluka between 1911 and 1915 was 1,802 and 969 respectively. During the last ten years to every hundred births the deaths were on the average 90 in Taloda itself, 65 in groups I and II, 50 in group III, 37 in group IV, and finally 48 in group V. The death rate, therefore, amongst Bhils must have been much less than among other castes, and the same conclusion is suggested by the larger proportionate increase in the population of groups IV and V since 1900.
34. Of the present population of some 40,600 souls, 25,600 are Bhils-the number of whom has been augmented, I think, by immigration from the higher uplands of the Mewas estates; in view of the sharp distinctions drawn on racial grounds by Mr. Maconachie in his analysis of the grouping of the taluka I offer a table giving the percentage of the population of each group that is Bhil, and the percentage of the occupied land of each group held by the Bhil to-day :-

|  | Percentage of population. | Percentage of occapied land. |
| :---: | :---: | :---: |
| Group I | Per cant. 62 | Per cent. 11.58 |
| , II | 58 | 82-89 |
| " III | 77 | 60.91 |
| \% IV | 99 | - 85.70 |
| , V | 79 | $97 \cdot 65$ |

35. These figures, read with the figures of population, show that the taluka has opened out westwards and northwards from the first group, for the increase in the population of groups I and II was 20 to 27 per cent and in group IV and V 72 to 75 per cent between 1901 and 1911. It is unfortunate perhaps that I have been unable to obtain any figures which would show what the Shahu population was in 1896. If Mr. Maconachie's report which represents group II as mainly occupied by Bhils be accurate, with the extension of cultivation, the Shahu bas made conquest of two-thirds of that group since 1896. Today the tide of his advance is measureable in the region of Mod.and Kharwad in the east where he possesses from 80 to 96 per cent of the occupied land.
36. There are 18 sohools in the taluka as compared with 3 in 1899 ; the attendance of Bhils and other backward classes thereat is some 300 and that of other castes rather less. A girls' sohool opened in 1916 with an attendance of 19.

## Leases.

37. Leases are numerous in this taluka in which there is a large area of land owned by a class quite distinct from the class that actually cultivates or superintends cultivation.
38. Three forms of leases prevail-(1) the ordinary nim batai lease common' throughout the district according to which the lessor and lessee share equally in enjoyment of the crop and in payment of the assessment; (2) a lease fixed on a definite grain basis, which among several talukas that I have examined is quite peculiar to Taloda taluka; (3) the monetary lease, examples of which have been summarized in appendix $H$.
39. Of the nim batai lease I' need say little beyond remarking that as the tẹnant's loss in years of agricultural distress is shared by the landlord in a contract of this nature, this division of crop represents in ordinary years a rent that is higher than the rent would be if calculated on other grounds and it would, therefore, be natural to expect that other forms of lease in which the landlord makes no insurance against lean years would not show a rent equal to the value of half the produce.

C40. As regards the lease contracted on a grain basis, this was apparently more universal some years ago than it is now, though in 1916 some 300 acres were held in this manner the examples I have gathered moreover are mainly from 12 villages where the practice has remained consistently though sporadic instances appear in 18 other villages. It is not a lease peculiar to any custe or class but in the number of its examples is far more common among Shahu lessees in group I than elsewhere. The following table epitomizes the contents of the examples I examined; they comprise all the recorded instances of the kind with rent paid in wheat:-

- Rents paid in wheat.


41. These rents with the marked exception of group I are lower than the corresponding money rents tabulated in appendix H. They show just as - clearly as that appendix the rise in rents during the period they cover. The value of the grain rent has been calculated by taking the local paili of wheat as equal to 572 tolas and the price of wheat as the average indicated in
appendix I for the respective years. The rent per acre includes the assessment which in every case was paid by the tenant.
42. With reference to the leases recorded in appendix $H$, it is difficult to draw any easy comparison between the figures they present and those given in the Settlement Report of 1899. In his appendix M Mr. Maconachie inoluded a single lease at 14 assessments; this was a single example and was far and away above the value of any other lease he exampled. Nor this alone, for even up to the year 1912 I haye been able to discover as the subject of leases at more than 13 times the old assessments a total leased area of 120 acres only. This is so small an area in compatison with the entire area leased between 1904 and 1911, that it is clear that the example quoted by Mr. Maconachie must have been peculiarly exceptional for the period 1888-1892. Omitting consideration of this abnormal instance, I should regard Mr. Maconachie's appendix as pointing to a lease of the acre value of Rs. 4-5-0 as the average lease for the period 1888 -1s92. My appendices will suggest the probability in ordinary retrogression of these figures representing the facts. The method in which those figures were abstracted militates against the possibility of being able to draw any group averages for that period, but for comparison with the figure Rs. 4-5-0 as, an average for the taluka there are the present averages as follows:-

| Group I | ... | Rs. a. p. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | ... | 7 | 4 | , |
| " II | $\ldots$ | ... | 7 | 13 | 0 |
| " III | $\ldots$ | ... | 6 | 12 | 0 |
| " IV | . | .. | 6 | 14 | 0 |
| Taluka | $\ldots$ | ... | 7 | 3 | 0 |

43. As the villages instanced by me are only representative villages the taluka average has been obtained from the wultiples resulting from multiplying each group average by the occupied area of villages in that group. This average for the period 1912-1917 shows an increase of 66 per cent over the figure of the period 1888-1892; it has no bearing on the villages of group V but neither presumably had that earlier figure.
44. Of leases previous to 1904 I have been unable to obtain any examples save of long period leases the details of which it would have been impossible to compare with those of one-year leases. In all leases there is a possibility of terms that being part of social custom are not thought of in formulating the contract, but I think it can safely be assumed that there are no such customary obligations in this taluka that affect the valuation of rents. I did find, however, that quite frequently the terms that appeared in the lease bond were subse:quently modified in the discharge of their respective obligations by the parties. Memories, however, appeared so little retentive of the real circumstances of a lease executed years ago that I was unable to accept the details of such modifications. In any case the margin of error in appendix A must be small.
45. In a subsequent paragraph $I$ have pointed out that a peculiar feature of this taluka is the large percentage of the entire occupied area of the taluka that is cultivated each year by a regular class of lessees who have no proprietary rights. In examining other talukas I found that where an absentee landlord leased out his land yearly, the lease became fixed in value and irresponsive to market rates, or as often as not an automatically renewed compact between the landlord and a single lessee resulting in a lease offering far more favourable terms to the tenant than ordinary competition would result in. In Taloda taluka about one-sixth of the cultivated land is given out on lease in much the same regular way as I have described, and I have no doubt that the rents of the taluka in their average are much lower than genuine competition would permit.) It is perhaps some corroboration of my surmise that on the eastern edge of the taluka in all the first three groups the rents are higher than the group averages, and that in preparing appendix H I had to exclude cases in which the landlord took only a nominal rent equal to the assessment. In considering the rents and sales recorded in appendices $G$ and $H$, and in
considering the incidence of assessment it is no small thing to be remembered that the social conditions of Taloda taluka are like its traditions peculiarly static.
46. A further point with reference to leases that I examined, though its interest when a settlement of 30 years is in question is somewhat temporary, was the complaint made to me that rents had dropped considerably since the war began. For such a complaint I found few grounds. In a few villages, such as Chinoda, Tulsa, Nimgavhan and Budhavli, there was a slight fall in rents, but in the mass of villages nothing more than the usual fluctuations consequent chiefly upon a variation in the riumber of leases incorporated, and a comparison of the figures of several important villages showed nothing more than a check in the gradual and steady rise of rents since 1906.

Salles.
47. The details of appendix $G$ have all been secured from the parties to the sales and that appendix is in no way a compilation of extracts obtained from the Registrar's office. All sales that took the form of concessions to family relationship, or previous financial relationship; all sales by court decrees; all sales that were conditional, comprised lands of different villages, or included considerations other than that of the land for sale have been excluded, and the appendix may be regarded as testifying to genuine competitive sales of land within the specified periods. They are cash sules of dry-crop land only as the garden land is very small in area in the taluka; finally I have excluded a few single instances of abnormal sales, from the figures of which deductions' could not rightly be made. This method of rigorous exclusion makes the period 1899-1903-troublous years for the taluka-unfertile in statistics for the period was marked by a number of conditional and sowkari sales which in most cases the sowkars themselves admitted to me were the direct result of famine.
48. The remarks that I made with reference to the leases recorded in the Settlement Report of 1896 apply with much the same appropriateness to the exampl-s given the rein of sales. Excluding his abnormal and entirely uncorroborated example of sale Mr. Maconochie's report shows for the period 1888-1892 an average sale at Rs. 16-13-0 per acre. As in the case of the leases of that report it is impossible to deduce group averages of the sale values, but for comparison uith the taluka average at that period of Rs. 16-13-0 an acre are the present averages as follows:-

| Group I |  |  | Rs. a. |
| :---: | :---: | :---: | :---: |
|  | $\ldots$ | ... | 68.2 |
| " II | ... | ... | 6910 |
| III | ... | ... | 577 |
| Taluka | $\ldots$ | ... | 6412 |

49. Since the period 1888-1892, therefore, the average price of land in the taluka has increased almost 300 per cent. The figures offered are of representative villages only; as the Restricted Tenure Clause is applied to one group and a considerable number of villages in the other groups had no such records to show, the actual list is not long.
50. The comparatively small number of sale transactions in the taluka and the great disparity between the value of land in the best groups of the taluka and that in the poorer groups in the adjoining taluka affurd fresh illustration of the static conditions of the taluka:-


Agriculturists' and Non-agriculturists.

| Year. | Area held by <br> agriculturists. | Ares held by <br> nom-agriculturists. |  |
| :---: | :---: | :---: | :---: |
| $1909-10$ | $\ldots$ | $\ldots$ | Acres. <br> $1914-15$ |

51. These figures submitted by the Mamlatdar have been given on the interpretation of 'non-agriculturist' as a man who derives a portion of his income from sources other than land. Even this definition is an elastic one, and I venture to add a few further figures by way of comment upon the above table.
52. About 8,300 acres of land are held in the Government villages and 4,300 in the inam villages of the taluka by persons who never cultivate their own lands but give the same out on lease, and contrawise there is a class of four hundred lessees who have no land of their own. So far as these figures reveal a class of persons who merely take an income from land they illustrate, I think, difficulties inherent in the adopted definitions of agriculturist and non-agriculturist.
53. There is finally that-type of agriculturist who lives outside the taluka and cultivates his holding therein through an agent; an area near to 5,000 acres is held in this taluka by such absentee landlords.

Holdings of Agriculturists.

54. These figures are vitiated to some extent by the fact that the same khatedar with khatas in several villages has been counted several times. On the other hand a common cause multiplying the number of petty holdings unduly is absent, for the area of Mahar and such forms of service inam in the taluka is small and subdivisions thereof very few.

## Revenue History.

55. The present settlement was ushered in by the famine of 1899; of the effect of that famine on the population and agricultural stock of the taluka I have already spoken. Since that year no similar calamity has befallen the taluka. In 1911 it escaped the drought that doubled and trebléd the area of fallow in talukas further east, but shared with them that of 1907-08 when its own fallow also became nearly four times as large as the average fallow for the years 1912-16. It was slower too than those talukas in resuming the cultivation of that fallow area, which, though reduced, remained large ( 12,348 acres) in 1908-09, but no remissions of revenue were entailed. With these exceptions the history of the settlement is one of steady progress.
56. Appendix J shows the increase in the area of cultivation since the last settlements; and the decrease in that of the unoccupied land. As the change has been so marked, and the effect of the settlement of 42 villages in 1904 is apparent, I have not deemed it necessary to prepare two appendices dealing with the settlements of 1899 and 1904 separately. The area of unoccupied assessed land ( 3,933 acres) has an assessment of Rs. 5,429 ; all the available land, therefore, has not yet been taken up for cultivation, but every year sees a reduction in the area still unoccupied. In comment upon appendix M, I would remark that the area shown in column 6 against the village of Amlad has been reserved for military $\mathrm{gr} \cdot \mathrm{nts}$, and the figures of that column against the villages of Bandhara and Khardi $K$. are said to be partially explained by the wealth of timber on the land, whilst for land in the unhealtby west competition is limited.
57. Recovery of revenue during the period of the present settlemfnt has been made without difficulty in all groups, save in the famine year of 1899-1900.

Since that year there have been only ten instances of fine, 12 of distraint and 7 of sale of land as coercive measures, and these were.confined almost exclusively to groups I and II; if among su h limited figures further differentiation is necessary, I would add that in groups IV and V since their settlement there heve been only two in-tances of coercive measures, and the number of notices issued under the Land Revenue Code has been very small. The ease with which revenue has been collected is also illustrated by appendix K; the remissions of revenue shown therein for the years 1899-1906 represent inter alia the gradual introduction of new rates in accordance with Government Resolution 3281, Revenue Department, of 25th May 1900; the heavy figures of 1901-02 remission due to famine as per Government Resolution 1447 of 2 nd July 1902; the figures of arrears since 1905 are explained by the notes appended to appendix A.

## Incidence of Assesssment.

58. Crop experiments are no longer conducted and I was too late in reaching thes taluka to institute any myself. The current season again has been so bad for many crops that experiments now made would have little representative value. Of sales of standing crops I was unable to obtain any examples.
59. From a conference of agrioulturists that I held at Taloda I learnt that the average wheat crop in lands of groups I and II was 6 maunds, that of bajri and jowari 4 maunds. This, the estimate of the cultivators themselves, gives at the average market rates of the last 8 years a produce of value Rs. 23-8-0 and Rs. 11-8-0 respectively, to each of which sums Rs. 8 to Rs. 10 has to be added for the value of the fodder. In this manner the average crop of the chief grains is represented as varying between Rs. 21 and Rs: 33. That profits of Rs. 40 an acre were made and that the profits from cotton in good years were higher still was freely admitted
60. Thus far the estimate of the cultivators, which, it can safely be assumed, would not err on the side of over-estimate. The man point, however, that I would like to emphasize is that this estimate, at least of the bajri and jowari crop, is the same as that given me in each taluka that I have examined and indicates that the land in this taluka is with suitable crops quite as productive as land further east. This one would naturally suppose also to be the truth from considering the general uniformity of the Taloda plain and the surall difference between the maximum and average assessments in the higher groups. Yet in spite of this fertility of the plain the rents of Taloda taluka are as much as the period of the current settlement behind those of Shirpur taluka and at least very little less than that period behind those of Shahyda taluka. In these latter talukas it is true the cotton crop is one-third to one-half of the entire crop as contrasted with one-seventh in Taloda taluka but the great disparity between the leasing and selling value of land in this taluka and that in those other talukas was as marked 18 years ago as it is now, if not more marked then than now, so that the increased adoption of cotton cultivation does not itself explain such a long existing disparity.
61. In disoussing the relativity of rents and incidence of assessment it is usual, I think, to assume tiat the nim batai lease, containing as it'does from the lessor's point of view an indemnity against those years of agricultural distress in which he has to share the losses of the lessee, is a priori a more highly rated lease than ordinary competition would entail in a single season. The - monetary rent on the other hand, being fixed, entails no such possible disaster for the lessor or from the lessee's point of view ; it contains no automatio provision against failure, partial or complete, of the season's crops. From both causes, therefore, the monetary rent must be much less than an equivalent of half the produce. Assuming that the rent represents as much as a third of the produce appendix $H$ would suggest the following inoidence of assessment:-

|  | Group. | Average assesment. | Produce. | Incidence of assessment. $\qquad$ |
| :---: | :---: | :---: | :---: | :---: |
| I |  | $\begin{array}{rrr}\text { Rs. } & \text { a. } \\ 8 & 10 & \\ 8 & 0\end{array}$ | $\begin{array}{rrr}\text { Rs. } & \text { a. } & \text { p. } \\ \mathbf{2 2} & 0 & 0\end{array}$ | Per cent. 11.9 |
| II | ** | 809 | 9980 | 8-51 |
| III | ... | 176 | . 2000 | $7 \cdot 50$ |
| IV | $\ldots$ | 0158. | 2100 | $4 \cdot 76$ |

62. To these average assessments the new rates I propose will add respectively annas $7-6$, annas 7 , annas $8-4$, annas $2-10$,
63. In view, however, of the approximation of the outturn of several of the principal crops of the taluka to that of the same crops in talukas further east, and of the disparity between the rents in Taloda taluka and those in other talukas I consider that the incidence of assessment illustrated above is greater than the actual incidence. An average crop of wheat in good season in group I would apparently entail an incidence of assessment not greater than 7.95 per cent; the maximum outturn of Rs. 40 , mentioned by the cultivators, would in group I with a maximum assessment entail an incidence of assessment not greater than 7.5 per cent.
64. As regàrds group $V_{\text {, }}$ the incidence of assessment must vary very much within the group, as by the accidents of settlement it includes villages very different in situation. In the west, where the group comes down almost to the Tapti and all along the border of the Chikli and Kathi estates, there is. a very fine expanse of cultivation, particularly of oil-seeds; along the northorn edge of the group, on the other hand, many villages are ankwardly situated with the characteristics more usually associated with forest settlements. Iy the west, accordingly, it would be a small crop that even at the new maximum rate of assessment would make the incidence of assessment heavier than 7 per cent. In the northern stretch, where the villages are away up the Satpuras, the new rate will mean an assessment of only annas 4 per acre, and all along the immediate base of the Satpuras one of about annas 8. As the Forest Department in its hill settlements in this region taking yearly a revenue of annas 8 to Re .1 per acre from each acre of cultivated land finds more applicants than it can satisfy, and has as its direct object fire protection and not revenue, it may be presuwed that that rate is a light one, and still lighter therefore the rate now proposed for the revenue villages of group V .
65. Finally, I would remark that there is every indication from appendices G and H that in groups II, III and IV the tenant has merely paid to the landlord as rent the major part of the difference between bis group assessment and that of a cultivator of group I. This and the general uniformity of the soil proclaim no great difference in the average acre outturn of each of these groups.

## The Existing Settlement.

66. This, as finally sanctioned, divided the taluka into five groups:-
(a) Group I, described by Mr. Maconachie in his report of 1896 as possessing the best soil and climate and position in the taluka, and its land as almost entirely in the hands of Gujar kunbis. This was assessed at Rs. 3.
(b) Group II, assessed at Rs. 2-7-0, was described as inforior in soil which in places was salty and mixed with lime, and as occupied mostly by Bhils; this group further was not clear of jungle as was group I.
(c) Group III, assessed at Re. 1-10-0, contained Borad in the east and $a$ strip of villages in the west, in still more broken and jungle covered country.
(d) Groups IV and $V$ contained the villages between the other groups and hills, occupied by Bhils, and divided into two groups by Government, only because "owing to the increase due to position class any increase in the rates is almost impossible without exceeding the 33 per cent limit."
The existing groups are, therefore, as follows:-

|  |  | Rs. a. p. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group |  | 18 villages, | assessed at | ... | 30 | 0 |
|  |  | 24 |  | ... | 27 | 0 |
| " | III, | 21 | " | ... | 110 | 0 |
| " | IV, | 9 | " | $\cdots$ | 12 | 0 |
| " | V, | 51 | " | ... | 014 | 0 |

67. This grouping and rating, it is to be observed, was not that proposed by either the Survey Settlement Officer or the Survey Commisrioner, and represented the adherence of Government to the principle that the total
enhancement of each group must be kept within the 33 per cent limit. In accordance with this principle, two groups (IV and V) were created instead of a single group assessed at Re. 1-4-0, as proposed by Mr. Maconachie, and finally five groups were created instead of three as proposed by Mr. Fforde.
68. The proposal of Mr. Fforde deserves a detailed exposition in view of my own proposals. He proposed a group I consisting of the 18 villages of the present group I and 16 villages from group II, these being all the western block of that latter group and the villages of Mod, Kharwad, Kadel and Gunjali. A second group would, as he proposed, have consisted of the remaining villages of group II, the whole of group III and the villages of Panvadi and Ziri from group IV; this group he wished to rate at Rs. 2 and the remaining villages in a third group at Re. 1-4-0. The same causes that made such a proposal unacceptable in 1899 operate, of course, even more strongly now, and it is quite impossible to form a group II out of eight villages assessed at Rs. 2-7-0, 21 at Re. 1-10-0 and two villages at Re. 1-2-0; for even the incorporation of the first eight and twenty-one villages would entail a rating at something less than Rs. 2-7-0 to make a 33 per cent increase on the new group, so that some villages would actually have their current assessment lowered. Whilst, therefore, remarking that Mr. Fforde's proposal is admirably supportable from the appendices of my report I assume that I must dismiss the question of reviving it as one purely academic.
69. It does, however, give support to my own proposal-a proposal I had based upon the data of my appendices and inspection of the taluka before I noticed that it was practiylly an echo of that of Mr. Fforde-to amalgzanate the existing groups I an $\int_{\text {BOPO }}$ II.
$3_{\text {boposed Revision Settlement. }}$
70. The advance of the taluka in prosperity since the last settlement is one marked in no doubtful manner. The selling value of land has risen practically by 300 per cent, and is now four times as high as it was; the rise in rental values (this since 1892) has been about 66 per cént. Prices of the chief grains of the taluka and of cotton have risen considerably:-

| $\begin{aligned} & 1889-1898 \\ & 1909-1916 \end{aligned}$ | $\cdots$ | $\begin{aligned} & \cdots \\ & \cdots \end{aligned}$ | Wheat. | Bajri. | Jowari. | Cotton. | Remarks. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{array}{rr}2 & 6 \\ 3 & 14\end{array}$ | $\begin{array}{ll}8 & 2 \\ 8 & 5\end{array}$ | $\begin{array}{ll} 1 & 14 \\ 2 & 14 \end{array}$ | $\begin{array}{rr} 4 & 12 \\ 8 & 3 \end{array}$ | Rupees per maund. |
|  | Increase |  | Per cent. | $\begin{gathered} \text { Per cent. } \\ 55.88 \end{gathered}$ | $\begin{gathered} \text { Per cent. } \\ 58 \cdot 30 \end{gathered}$ | Per cent. $72 \cdot 36$ |  |

71. The incidence of assessment is low in all groups. The assessment too has been collected without difficulty.
72. This advance has been shared by all the groups but more particularly, as was to be expected, by the lower groups (vide appendices $G$ and $H$ ). The increase in population, which in groups I and II shows an increase even between 1901 and 1911 of about 20 to 27 per cent, is as much as 72 and 75 per cent in groups IV and $V$ in that same period; the acreage of caltivable land not taken up in the latter groups is now less than that in the first two groups; the acreage held on restricted tenure (and restricted tenure was imposed on the villages of these groups settled in 1904-05 by Government Resolution 1116-C of 18th February 1902) has shown an astonishing increase.
73. Figures, showing an increase in income-tax recovered since 1899 of 200 per cent, illustrate the prosperity of the non-agricultural classes.
74. Of indebtedness as evinced by the mortgage of lands there is little. The area of mortgaged land in the years previous to 1905. was always, below 300 acres, and as years of famine and distress were among these and my examination of sale records showed a large number of sales admitted to be due to famine, I surmise that the debtor at that period preferred selling his land conditionally to mortgaging it.. Since 1905 there has been a tendency for the mortgaged area to rise, but its total, which has oscillated between 350 and ts 840 acres, is not large.
75. The taluka as a whole being able well to support a 33 per cent inorease of assessment, I propose to distribute this increase proportionately among the existing groups, with the exception of groups I and II; in the case of groups III, IV and V, I propose a simple increase of assessment to the nearest round figure to the possible 33 per cent increase; in the case of groups I. and II I propose their amalgamation and their common assessment at one rate.
76. With reference to this amalgamation of groups I and II, I have already remarked that Mr. Fforde's proposals in 1899 recommended the amalgamation of group I with 16 out of the 24 villages of group II, and I consider those proposals more accurate in the light they throw upon the conditions of those groups than are the descriptions of Mr. Maconachie. Even in 1896, as now the main roads from Taloda to Nandurbar and Taloda to Shahada must have been just as accessible from the villages of group II as from those of group I, and the priority of group I in position seems to have been somewhat exaggerated. The limited figures, moreover, of appendix $G$ that I have collected for the period 1899-1903 suggest also that the disparity of these groaps in the matter of their soil was emphasized too strongly in the same way, for with the figures of Mod included, the selling value of land in rupees per acre in these groups was almost identical in that period, and if those figures of Mod be regarded as somewhat above the average of the group, even their exclusion does not make the disparity in values considerable.
77. From still further data I surmise that even in 1896 groups I and II could have quite equitably been amalgamated, and that the disparity insisted upon by Mr. Maconachie was inadequately analyzed. For eighteen years the selling value of land in the two groups measured in rupees per acre has been almost identical; measured in terms of the assessment the selling value has been consistently 30 per cent higher in group II than in group I, and this whilst the assessment of group II is only some 18 per cent less than that of the first group. Considering too the rental values of the same groups, these have been slightly higher in the second than in the first since 1904, showing that the landlord has valued the land of group II at a higher rate than Government has.
78. Turning to present day conditions, there is little to choose between the external aspect of these groups, though along the Tapti there are as in all the trans-Tapti talnkas fewer trees than further north; the conditions of agriculture are identical, the same crops are sown and in the same proportions, the acreage of cropped area and of fallows respectively is roughly the same in each group (vide appendix B) and their population has increased in muich the same proportion since the last settlement. It is true that the population of group II is some 3,100 more than that of group I, and calculations on this basis would show a greater acreage to each person in group I than in group II, but group II contains the village of Kukurmunda with a population of 2,000, whilst Taloda being an inam village has been omitted from the figures of group I which has thus no such populous centre. It would be hard to find two groups so surprisingly similar in details. I would add also that, besides the centre of Kukưrmunda, the second village in the taluka, group II has Mod, the region around which constitutes the apex of a wedge of proprietorship which the Gujars of Shahada taluka are trying hard to drive into the taluka. Finally, an amalgamation of these two groups can be made without any loss of revenue and a rate of Ris. 3-10-0 will permit of a more equitable comparison of this taluka with that of Nandurbar, the re-settlement of which does not fall due till 1940, for the highest rate of assessment therein is Rs. 3, and it has all the advantages of closer proximity to the railway and of being south of the river Tapti and its troublesome crossings. The inequity of this recurring distinction led Mr. Maconachie so far as to propose even a reduction of the Taloda rate below its previous figure (a proposal that Government rejected), and has resulted in the striking fact that for nearly 50 years the rate of eight villages in group I has remained unchanged and that of its remaining villages has experienced an increase of annas 4 only.
79. With reference to the other groups, there is little to be said save perhaps to illustrate the lightness of the proposed rates. For the new group IV will be assessed at Re. 1-2-0 whereas even in 1899 it was proposed to assess those villages of it that were then settled at Re. 1-4-0; group III will be assessed at Re. 1-7-0 whereas Mr. Fforde would have rated the better of its
villages at Rs. 2, and group II assessed at Rs. 2-2-0 will bear a rate only annas 2 more than that proposed in 1899. The history of re-settlement in all the north Tapti talukas of Khandesh is apparently a history of reduction in groups and of failure to reconcile the demands of ideal equity with the limitation rules that bind the Settlement Officer. Taloda taluka forms no exception. Under the original settlement its villages were divided into 10 groups; by revision settlement these were reduced to five and the effect of the reduction is traceable in the cubist eccentricities of portions of the existing map. These eccentricities I cannot correct, but I hope that I have justified sufficiently my proposal for reducing the number of groups to a more convenient number.
80. The new groups will be as follows:-


In no village doess the percentage increase exceed 48.77 per cent.
In four inam villages the Government land (vide appendix K ) will be grouped according to their previous grouping now re-grouped into two groups:-

Group I-Taloda.
Group II-Dalepur, Bhavar, Panibare.
81. As re-grouping occasions difficulty in excising figures of groups over an extended period of settlements, I have retained the separate identity of the old group II in my appendices, and I think there will be no difficulty in tracing its details separately if they be required.
82. Finally, I have to recommend that the new settlement, which applies to agricultural land only, when introduced, be guaranteed for a period of 30 years.

> I have the honour to be, Sir, Your most obedient servant,

> J. ABBOTT, Assistant Settlement Offoer, Khandesh.

## APPENDIX A.

Statement showing Rainfall recorded at Taloda, District West Khandesh, for the years 1905-1915.

| Year. | Eariy rain (1st January to 10th April). |  | Ante Monsoon (11th April to 4th June\}. |  | $\begin{aligned} & \text { Mongoon khBrit } \\ & \text { (5th June to } \\ & \text { 14th August). } \end{aligned}$ |  | Monsoon rabi (15th August to glat October). |  | Late rafos (92nd Oatober to Sist December). |  | Total. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fall. | Bainy days. | Fall | Rainy deys. | Fall. | Rainy daye. | Fall. | Rainy days. | Faill | Raing days. | Fall. | Baing days. |
|  | Inches. | No. | Inohes. | No. | Inches. | No. | Inches. | No. | Inohes. | No. | Inches. | Na, |
| 1806 | 050 | 1 | -.* | $\ldots$ | 88.30 | 26 | 4-76 | 1 | ... | $\cdots$ | 88.88 | 81 |
| 1908 | 0.88 | 4 | ** | $\cdots$ | 21.15 | 59 | 9889 | 18 | 0.06 | $\cdots$ | 81.81 | 64 |
| 180\% | .." | ..* | . ${ }^{\circ}$ | $\cdots$ | 10-25 | 8 | 6.48 | 19 | $\cdots$ | $\cdots$ | 88-78 | 86 |
| 1908 | .." | -. | $\cdots$ | $\cdots$ | 10.55 | 42 | 6.09 | 16 | $\cdots$ | *** | 95.64 | 67 |
| 1809 | *. | .. | ... | $\cdots$ | $19 \cdot 19$ | 87 | $5 \cdot 81$ | 10 | $\cdots$ | ** | 25.00 | 48 |
| 1910 | ... | - | 0.01 | -." | 29.39 | 48 | 4.28 | 8 | 0180 | 1 | 48.68 | 55 |
| 1911 ... .... | $0 \cdot 10$ | 1 | 0.30 | 1 | $16 \cdot 56$ | 18 | 5'84 | 11 | 0.47 | 1 | 90.67 | 88 |
| 1919 ... ... | - | *- | .." | ... | 18.08 | 86 | 464 | 9 | 3.97 | 8 | 87.68 | 47 |
| 1018 ... | ** | * | -* | ** | $97 \cdot 07$ | 89 | 8.81 | 19 |  | ... | 83.98 | 51 |
| 1914 ... | $\cdots$ | ** | 1.89 | 9 | 88.71 | 84 | 10.94 | 16 | $0 \% 18$ | 1 | 86.60 | 68 |
| 2915 ... - | 2'81 | 4 | $0 \cdot 27$ | 1 | 16.98 | 85 | 7-24 | 14 | 0.9 | 1 | 96.85 | 45 |
| Average ... | . 0.85 | 1 | 0.88 | ..• | 21.54 | 38 | 6-88 | 11 | 0.46 | 1 | 98.80 | 48 |

Romarles, upon the Rainfall in seasons 1905-1915,
1905 - Rain favourable to kharif crops though light in Aagust. Practically no rain in September and two subseatuent montha and so the rabi ares was curtailed.
1906 -The monsoon was timely in arrival and adequate in rainiall during the months June to Septraher but absence The monsoon was timely in arrival and adequate in rainian durins.
190n-The monsoon wes late in arrival. Rainfall sufficient in July but exceasive in Angagt. The fall in Septernber was Ress than 1 inct,
1906-Exaessive rain in July; incessant rain in August; very listle rain in Beptember and practioally none later so oropa deteriorated and rabi arca small. Suspensions again necessary,
100g-Monsoon timely in arrival. Generai rain in Juily; rain ingafficient in Angugt but suffcient in September. Soma onain in Oatober and good rainin Decomber. Sebson fairly good.
1910-Monsoon early. Excesg of rain in Juna; a baneficial break in Jaly and good rain in August. Generai rain at the 1911- end of September and rain useful for rabi crops in oetober. Septomber. October almost dry. Rein usafal to rabi asuffient rein in June, July and August end mesgre fall in September. Ocic.
orops in latter half of November. Deaember almost rainless. Beabon fair.
tgio-Bain sufficient in Jane and July and almost deily in the frst inalf of Augast but maagre in Beptember and October. Bein suffient in Jane and July and almost daily in the firgt inalf of August but mearge in Beptember and October. Good rain in November helped the rabi orops the area of which was extended bu
1018-Esarly and steady monsoon in June. Rain suffoient in July; indeficit in Augast. Beneficial rain in goptemberbut none in Ootober and November and practically none in December. Season preotically good.
1m4-Fairiy good ante monsoon rain and timely monsoon. Good rain in June. July, September and anffeient fall in Augnet. Rain in Oetober nat general. Benencial rain in November, practioally none in Decamber, Eeanon good.
1915-Light ante mongoon rain. Good rain in July; rain needed in August. Good rain in Beptember but excessive rain in August harmed bajri and cotion orops though ib facilitated rabi sowing. Useful rain in November and showers in December. Season good

APPENDIX B.
Details of cultivation and crops in the villages of the Taldda Taluka of the West Khandesh Collectorate.


ㅍ 100-5

## APPENDIX C.

Details of population according to occupation in Taloda Taluka, West Khandesh District.

| Agricultural population. |  |  |  | Non-agricultural population. <br> 5 |
| :---: | :---: | :---: | :---: | :---: |
| Having interest in land. |  |  |  |  |
| Tenszis and sub-sharers. 1 | Other landicolders. 8 | $8$ | $4$ |  |
| 27,897 <br> $68 \cdot 2$ per cent. | 290 <br> '6 per cent. | $18,251$ <br> 26'6 per cent. | 40,378 <br> $84 \cdot 1$ per cent. | $\begin{aligned} & \text { F,4 } 67 \\ & 15 \cdot 6 \text { per cept. } \end{aligned}$ |

These figares are acoording to the conbus of 1811.
APPENDIX. D.
Agricultural stock of 123 Government villages in the Taloda Taluka of the West Khandesh Collectorate during the years 1899-1900, 1905-08, 1915-16.


APPENDIX E．
Shops，industries，etc．，in the 123 villages of the Taloda Taluka，West Khandesh District．

| Liquor shops． | Hand industrios． |  |  |  |  | ）Mechanical power． |  |  |  | Romarks． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ¢0is | Cotion looms． | Woollen looms． | $\underset{\text { Silk }}{\text { sing }}$ | Gins． | Ging．＇ | Rice mukhing mading． | Cotton preabos． | Grain grinder． |  |
| $\sigma$ | $\cdots$ | ．．．．＂ | $\ldots$ | ．．．．＂． | $\cdots$ | ．．．．＂ | ．．．．．． | ．．．．． | 1 |  |

APPENDIX F．
Wells，bhudkis，tanks and the other sources of water supply in the 123 Government villages of the Taloda Talukc of the West Khandesh Collectorate for the years 1901，1903，1907， 1912.

| Group． | $\underset{\substack{\text { Namber } \\ \text { of }}}{ }$ villages．$\qquad$ | Wells，phudkia and the like． |  |  |  |  |  |  |  |  | Tanks． |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | For Irrigation． |  | $\begin{aligned} & \text { For drinking } \\ & \text { suppliy of human } \\ & \text { bings butnot } \\ & \text { for irrigation. } \end{aligned}$ |  |  |  |  | In disuee． |  | For irtigation． |  | $\begin{aligned} & \text { For drinking } \\ & \text { suppiy on kimang } \\ & \text { beings solely. } \end{aligned}$ |  |  |
|  |  |  | $\begin{aligned} & \text { 品 } \\ & 4 \\ & 4 \end{aligned}$ | $\begin{gathered} \text { 追 } \\ \text { M1 } \\ 5 \end{gathered}$ | $\begin{gathered} \text { 啝 } \\ \text { 苗 } \\ 6 \end{gathered}$ |  |  | $\begin{gathered} \text { d } \\ \text { 呂 } \\ 8 \\ 8 \end{gathered}$ | 可家 뭉흔웅 <br>  9. |  |  |  |  |  | $\begin{aligned} & \text { dig } \\ & \text { 逼 } \\ & 14 \end{aligned}$ |
|  | $\begin{aligned} & 18 \\ & 18 \\ & 18 \\ & 18 \\ & 18 \end{aligned}$ | $\begin{aligned} & \text { gu } \\ & 94 \\ & 94 \\ & 94 \end{aligned}$ | 8 5 10 80 | $\begin{aligned} & 11 \\ & 90 \\ & 29 \\ & 29 \end{aligned}$ | 1 <br> 8 <br> -4 |  | \％ |  | $\begin{array}{r}19 \\ 19 \\ 5 \\ 8 \\ \hline\end{array}$ | $\cdots$ | $\stackrel{\text { … }}{\cdots}$ | －．．． |  | $\cdots$ | … <br> $\cdots$ <br> $\cdots$ <br> .. |
|    <br>    <br> I $\cdots$ $\cdots$ <br> IIV $\cdots$ $\cdots$ <br> IV $\cdots$ $\cdots$ <br> 1   | $\begin{aligned} & \frac{24}{94} \\ & 94 \\ & 94 \end{aligned}$ | $\begin{aligned} & \mathbf{3 5} \\ & \mathbf{y s} \\ & \mathbf{8 1} \\ & \mathbf{8 1} \end{aligned}$ | $\begin{aligned} & 49 \\ & 14 \\ & 15 \\ & 18 \end{aligned}$ | $\begin{aligned} & { }^{28} \\ & { }_{28}^{86} \\ & 30 \end{aligned}$ | $\begin{aligned} & 14 \\ & 98 \\ & 30 \\ & 99 \end{aligned}$ |  | 8 8 10 10 | ${ }^{\text {＇．7．}} 1$ | 81 <br> 88 <br> 86 <br> 8 | $\cdots$ | － | … |  | $\cdots$ | .. <br> $\cdots$ <br> $\cdots$ <br> .. |
|    <br>  I .. <br> II $\cdots$ $\cdots$ <br> IV $\cdots$ $\cdots$ | $\begin{aligned} & \frac{21}{91} \\ & \frac{21}{21} \\ & \hline 21 \end{aligned}$ | $\begin{aligned} & 8 \\ & 8 \\ & 8 \end{aligned}$ | $\begin{aligned} & 58 \\ & \begin{array}{l} 18 \\ 81 \\ 90 \end{array} \end{aligned}$ | $\begin{aligned} & \mathbf{5} \\ & \mathbf{1} \\ & 14 \\ & \hline 14 \end{aligned}$ | $\begin{aligned} & 68 \\ & { }^{65} \\ & 77_{4} \end{aligned}$ |  | 2 |  | 17 91 98 88 | $\cdots{ }^{\cdots}{ }^{1}$ | $\stackrel{.}{.}$ | $\cdots$ |  | $\cdots$ <br> $\cdots$ <br> $\cdots$ <br> . | $\cdots$ |
| $\begin{array}{lcc} \\ \text { I } & \cdots & \cdots \\ \text { III } & \cdots \\ \text { IV } & \cdots & \cdots \\ & \cdots & \cdots\end{array}$ |  | 1 1 1 1 1 |  | 8 8 8 8 8 | 6 <br> 18 <br> 13 |  |  | $\cdots$ $\cdots$ $\cdots$ $\cdots$ | 1 1 1 | $\stackrel{.}{.:}$ | $\cdots$ | $\stackrel{.}{. .}$ |  | ．．． | $\cdots$ |
| I ..  <br> III $\cdots$ $\cdots$ <br> IV $\cdots$ $\cdots$ | $\begin{aligned} & 51 \\ & 61 \\ & 61 \\ & 51 \end{aligned}$ | $\stackrel{.1}{. .}$ | $\begin{aligned} & \frac{4}{1} \\ & \frac{1}{B} \end{aligned}$ | 6 <br> 8 <br> 10 <br> 10 | 97 <br> 98 <br> 98 <br> 98 <br> 98 <br> 8 |  | ${ }_{8}^{8}$ | ．．． <br> $\cdots$ <br> $\cdots$ <br> . | － | $\ldots{ }^{\ldots} \times{ }^{\text {a }}$ | … $\cdots$ $\cdots$ | … <br> $\cdots$ <br> .. |  | $\cdots$ | $\cdots$ |
| Groap． |  | Tanka． |  |  |  | Other souxces． |  |  |  |  |  |  |  |  |  |
|  | $\begin{array}{\|c} \left.\begin{array}{c} \text { number } \\ \text { villagees. } \end{array} \right\rvert\, \end{array}$ | For cattile and purposes but not for irrigation ordrinking supplyof human boing of human boing |  | In disase． |  | $\begin{gathered} \text { For irriga- } \\ \text { tion. } \end{gathered}$ |  | $\left\|\begin{array}{c} \text { For drinding } \\ \text { mumpyly of } \\ \text { humbely } \\ \text { Bolely. } \end{array}\right\|$ |  | For cattle and washing and other purposes but not for irrigation or of human beings． |  | In desase． |  |  | Remarks． |
|  | 8 | $\begin{aligned} & \text { dỉ } \\ & \text { 㐘 } \\ & 15 \end{aligned}$ |  |  |  |  | $\begin{aligned} & \text { 比 } \\ & \text {. } \\ & \text { so } \end{aligned}$ | $\begin{aligned} & \text { 悤 } \\ & \text { a } \\ & 21 \end{aligned}$ |  |  | $\begin{aligned} & \text { 免 } \\ & \text { ® } \\ & 94 \end{aligned}$ |  |  |  |  |
|  | $\begin{aligned} & 18 \\ & \left.\begin{array}{c} 18 \\ 18 \\ 18 \end{array}\right) \end{aligned}$ | $\stackrel{.}{\text { \％}}$ | … $\cdots$ ．．． | $\cdots$ | ． | $\cdots$ | … <br> $\cdots$ <br> $\cdots$ <br> .. | $\cdots$ | $\stackrel{1}{4}_{\cdots}^{\square}$ | $\stackrel{.}{. .}$ |  | $\stackrel{\text { m．}}{\text { \％}}$ | … <br> $\cdots$ |  | roup． 1. |
| I $\cdots$  <br> III $\cdots$ $\cdots$ <br> IV $\cdots$ $\cdots$ | $\begin{aligned} & \frac{4}{24} \\ & \frac{24}{24} \end{aligned}$ | … | $\begin{aligned} & \cdots \\ & \cdots \\ & \cdots: \end{aligned}$ | \％ <br> $\cdots$ <br> $\cdots$ <br> $\cdots$ <br> . | $\cdots$ | $\cdots$ | $\cdots{ }^{1} \times 1$ | $\cdots$ | ．．8 <br> $\cdots$ <br> $\cdots$ | … |  | $\cdots$ | ： <br> $\cdots$ <br> $\cdots$ <br> $\cdots$ |  | troup II |
| I $\cdots$ $\cdots$ <br> III $\cdots$  <br> IV $\cdots$ $\cdots$ | $\begin{aligned} & 81 \\ & 81 \\ & 81 \\ & 81 \\ & 81 \end{aligned}$ | $\stackrel{\text { … }}{\cdots}$ |  | $\begin{gathered} \cdots \\ \cdots \\ \cdots \end{gathered}$ |  | $\cdots$ | $\ldots$ |  | \％ | $\stackrel{.}{\cdots}$ | ${ }^{\ldots} \times 1$. | $\cdots$ | ... <br> $\cdots$ <br> $\cdots$ <br> .. |  | troup int． |
| I $\cdots$  <br> II $\cdots$  <br> IIV $\cdots$  <br> IV $\cdots$ $\cdots$ | $\stackrel{\square}{9}$ | $\cdots$ | $\cdots$ | $\cdots$ |  | … $\cdots$ $\cdots$ ．．． | $\cdots$ | $\cdots$ | $\cdots$ | $\stackrel{.}{.!}$ | $\stackrel{.}{.}$ | $\cdots$ | $\stackrel{.}{\cdots} \times$ |  | aroup IV． |
| I $\cdots$ $\cdots$ <br> III $\cdots$  <br> IV $\cdots$  <br> IV $\cdots$ $\cdots$ | $\begin{aligned} & 61 \\ & 51 \\ & 51 \\ & 51 \end{aligned}$ | $\stackrel{\text { ：．}}{\cdots}$ | $\stackrel{.}{\cdots}$ | $\stackrel{\text { \％}}{\cdots}$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | .. <br> $\cdots$ <br> $\cdots$ <br> .. |  | Gromp V． |

## ABSTRACT OF APPENDIX F.

(Figures for 1912-13.)

| District. | Details. | Wells, bhndkis end the like. |  | Tankt. |  | Other souroes. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pakka. | Kache. | Palkre. | Kacha. | Pukza. | Kache. |
| 1 , | 2 | 8 | 4 | 5 | 6 | 7 | 8 |
| Taluks Taloda. | For irrigation ... '... ... | 80 | 80 | $\cdots$ | *....* | ... | ..... |
|  | For drinking supply of haman beings but not for irrigation. | 87 | 141 | ***. | -**** | - | $\ldots$ |
|  | For catile and washing and other pur poses, etc. | 82 | $\cdots$ | ...... | ...... | .....4 | $\ldots$ |
|  | In ${ }^{\text {disure }}$ | 10 | 18 | ..... | ...... | ..... | ..... |
|  | Total ... | 199 | 908 | $\ldots$ | $\cdots$ | ..... | ...... |
|  | Total recorded at the Settiement of 81 villages 1800-1800. | 116 | 113 | *....* | 1 | ...... | *.... |

## APPENDIX $G$.

Selling value of dry crop lands in 27 Government villages of the Taloda Taluka, West Khandesh District.

*Thore are no Agares of aales for the remaining villages of Group III and none for Group IV.

## APPENDIX H .

Leases of dry crop lands in 32 villages of the Taloda Taluka, District West Khandesh.


## APPENDIX 1.

Statement showing the prices prsvalent in the Taloda Taluka from 1888-89 to 1916.


## APPENDIX J.

Changes in occupied area of 81 Government villages of the Taloda Taluka of the West Khandesh District into which the Revision Settlement was introduced in the year 1899-1900 and of 42 villages into which the Original Settlement was introduced in the year 1904-05.


## APPENDIX J ${ }^{1}$

Changes in occupied area of Government land in 4 inam villages, Taloda, Dalelpur, Bhavar and Panibare.


## APPENDIX $K$.

Collection of assessment on Government land in the villages of the Taloda Taluka.


н 100-7

## APPENDIX K-concluded.



## APPENDIX K1.

Collection of assessment on Government land in 4 inam villages of the Taloda Taluka of West Khandesh.


Note.-From 1907-8 these figures of Group II inolude figures of Panibare; these in 1907 were, Demar Rs. 249, in 1909-17 Rs. 195.

Statement showing effect of Revision Settlement proposa


L-contivued.
Government occupied land in Taloda Taluka, District West Khdindesh.



I-continued.


APPENDI


Lr-roncluded.

| By Revision Setilement. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Name of Vllage. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Maxinuma ratos. |  |  | Diserops. |  |  | Rioe. |  |  | aarden. |  |  | Total. |  |  |  |  |  |
| $\begin{aligned} & \text { 8. } \\ & \text { it } \\ & \text { 81 } \end{aligned}$ |  |  | $\underset{\text { ge }}{\substack{\text { de }}}$ |  |  |  |  |  |  |  |  | $\begin{aligned} & \dot{4} \\ & \stackrel{4}{4} \end{aligned}$ |  | 免 $\frac{4}{4}$ 39 |  |  | 㝘 |
| Ns, an | Ra. a. | Rs. | Leres. | 8. | p. | Aores. | Rs. | Re. a. b. | Acrees. | Re. | Re, a. | Aores. | Ra. | 8.e, |  | Group IV-contd. |  |
| 19 | ... | $\cdots$ | 296 | 150 | ... | ... | ... | ... | ... | ... |  | 236 | 150 | ...: | + 28280 | Toha |  |
| 19 | ... | $\stackrel{ }{\text { ®... }}$ | ${ }_{8}$ | 11 | ... | ... | ... | ... | ... | ... | ... | ${ }^{88}$ | 15 | ... | +8808 | Jamis | $\infty$ |
| 19 | ... | ... | 189 | ${ }^{87}$ | ... | ... | ... | ... | ... | ... | ... | 189 | 87 | .. | + 87.95 | Juvani | 9 |
| 19 | ... | ... | 158 | 154 | $\cdots$ | ... | ... | ."' | ... | ... | ... | 168 | 154 | ... | + 28.88 | Khadke | 28 |
| 1 | $\ldots$ | ... | 118 | ${ }^{4}$ | ... | ... | ... | ... | ... | ... | ... | 118 | 9 | ... | + 96.81 | Khardi Ehurd | ${ }^{93}$ |
| 1 | $\cdots$ | ... | ${ }_{6} 6$ | 18 | ... | ... | ... | ... | ... | ... | ... | 56 | 18 | ... | + 88.67 | Ehardi Budruk | 04 |
| 12 | ... | ... | 18 | 469 | ... | ... | ... | $\cdots$ | $\ldots$ | ... | ... | 618 | 453 | .. | + 88.69 | Ehatrani | ${ }_{5}$ |
| 18 | ... | $\cdots$ | 1,485 | 1,538 | ... | ... | .. | $\cdots$ | ... | ... | ... | 1,456 | 1,598 | ..' | + 28.50 | Ehaghgavad | 96 |
| 1 | ... | ... | 838 | 80 | ... | ... | $\cdots$ | ... | $\cdots$ | ... | ... | 298 | 89 | .. | + 88.98 | Eothar | ${ }^{97}$ |
| 18 | ... | $\cdots$ | ${ }_{92}$ | 100 | ... | ... | ... | .. | ... | $\cdots$ | ... | ${ }^{99}$ | 100 | ... | + 98.90 | Kumbharkhan | ${ }^{98}$ |
| 19 | ... | ... | * | 54 | ... | ... | $\cdots$ | $\cdots$ | $\cdots$ | ... | ... | 84 | 54 | ... | +88-67 | Kundave | ${ }^{99}$ |
| 19 | ... | ... | 191 | ${ }^{88}$ | $\cdots$ | ... | ... | ... | ... | ... | $\cdots$ | 191 | ${ }^{98}$ | .. | +2804 | Lekkadkot | 300 |
| 12. | ... | $\cdots$ | 37 | 347 | ... | ... | ... | … | ... | ... | ... | 387 | 347 | ... | + 28.51 | Lakhapur | 102 |
| 18 | $\cdots$ | ... | 106 | 96 | ... | ... | ... | ... | ... | ... | $\ldots$ | 106 | ${ }^{26}$ | ... | +30.00 | Mal Ehara | 108 |
| 19 | ... | $\cdots$ | 1,176 | 1,64 | $\cdots$ | $\cdots$ | ... | .. | .. | ... | ... | 2,176 | 1,664 | ... | +9868 | Morambe | 109 |
| 19 | ... | $\cdots$ | 39 | ${ }^{165}$ | ... | $\cdots$ | $\cdots$ | .. | ... | ... | ... | 99 | 157 | ... | + 88.68 | Padalpur | 104 |
| 19 | ... | $\cdots$ | 69 | 55 | $\cdots$ | .. | $\cdots$ | ... | ... | ... | ... | ${ }^{69}$ | ${ }^{65}$ | ... | + 81.80 | Pathad | 105 |
| 19 | ... | .. | ${ }^{18}$ | ${ }^{855}$ | ..' | $\cdots$ | ... | ... | ... | ... | ... | 418 | 855 | ... | + 88.68 | Pimparpada | 106 |
| 15 | ... | ... | ${ }^{88}$ | a | .. | $\cdots$ | .. | $\cdots$ | ... | ... | ... | ${ }^{88}$ | 81 | ... | + 28.57 | Ramged | $10 \%$ |
| 12 | ... | $\ldots$ | ${ }^{18}$ | 887 | ... | ... | ... | ... | ... | ... | ... | 412. | 387 | ... | + 88.70 | Rampur | 108 |
| 19 | ... | .. | 41 | 135 | ... | ... | .. | ... | ... | ... | .. | 211 | 285 | ... | + 28.88 | Ranipur | ${ }^{109}$ |
| 12 | $\cdots$ | $\cdots$ | ${ }^{200}$ | ${ }^{73}$ | $\cdots$ | $\cdots$ | ... | .. | ... | ... | .. | 209 | ${ }^{78}$ | ... | + ${ }^{88} 8.57$ | Rapapur | 19 |
| 18 | ... | $\cdots$ | 967 | 204 | .. | ". | $\cdots$ | ... | ... | ... | ... | 267 | ${ }^{904}$ | ... | + 988.50 | Ratanpada | 111 |
| 19 | $\cdots$ | ... | 16 | ${ }^{8}$ | .. | ... | .. | ... | $\cdots$ | - | $\cdots$ | 16 | 8 | ... | + 33.38 | Relapada | 119 |
| 19 | ... | ... | ${ }^{35}$ | ${ }^{30}$ | $\cdots$ | $\because$ | $\cdots$ | .. | $\cdots$ | ... | ... | 83 | 80 | ... | + $30 \cdot 48$ | Retpada | 113 |
| 18 | ... | ... | 178 | 130 | .. | ... | ... | ... | ... | ... | .. | 178 | ${ }^{139}$ | ... | +28.50 | Savar | ${ }^{14}$ |
| 12 | $\cdots$ | $\cdots$ | 290 | ${ }^{9}$ | ... | ... | ... | ... | '.. | ... | $\cdots$ | 280 | ${ }^{\text {98 }}$ | ... | 28.57 | Slingaspur | 115 |
| 19 | ... | ... | 13 | 9 | $\cdots$ | ... | ... | ... | ... | ... | ... | 113 | 21 | ... | + 35.85 | Sojarbara | 136 |
| 19 | ... | $\cdots$ | 456 | 998 | .. | .. | ... | ... | ... | ... | $\cdots$ | 455 | 398 | ... | 28.57 | Somemail | 117 |
| 19 | ... | ... | 687 | ${ }^{673}$ | ... | ... | ... | ... | ... | ... | ... | 637 | 573 | ... | +98.47 | Thanvibir | 118 |
| 19 | ... | $\cdots$ | 108 | ${ }^{96}$ | $\cdots$ | $\cdots$ | ... | ... | ... | ... | $\cdots$ | 100 | ${ }^{95}$ | ... | + 2969 | Umarkuma | 119 |
| 19 | ... | ... | 149 | 188 | ... | ... | ... | ... | ... | $\ldots$ | $\cdots$ | 149 | 168 | .. | + $28 \cdot 94$ | Umarkuwa Tart | 180 |
| 19 | ." | $\cdots$ | 356. | 12 | $\because$ | ... | ... | ..' | ... | ... | $\cdots$ | 958 | 17 | ... | +88.57 | Walher | 191 |
| ${ }^{19}$ | ... | ... | ${ }^{383}$ | ${ }^{31}$ | ... | $\ldots$ | ... | ... | ... | ... | ... | 489 | 341 | ... | + 4167 | Warpada | 122 |
| 19 |  | $\cdots$ | ${ }^{44}$ | 248 | $\because$ | ." | ... | ... | ... | ... | $\cdots$ | ${ }^{344}$ | 248 | .. | + 28.49 | zumkati | 123 |
| ... | ... | ... | 13,48 | 10.698 | 0189 | ... | .." | ... | $\cdots$ | ... | ... | 13,243 | 10,698 | 0189 | + 98.57 | Total, Group IV | ... |
| 810 | ... | $\cdots$ | ${ }^{2} \mathrm{O}$ | 3,291 | ... | ... | ... | ... | M. 7 | 20 | ... | 711 | 8,301 |  | + | Taloda | 184 |
| 88 | ... | $\cdots$ | 9 | 887 | $\cdots$ | $\cdots$ | ... | ... | м. | , | ... | 226 | 404 | ... | + $30 \cdot 71$ | Bhavar | 195 |
| 98 | ... | .'. | $\cdots$ | ${ }^{80}$ | .. | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | … | ... | 47 | 88 |  | + 30-88 | Dalelpar | 186 |
| 9 |  |  | 199 | 865 | ... | ... | $\cdots$ | ... | ... | ... | ... | 189 | 855 | ... | + 90.76 | Padibura | . 197 |
| .. | ... | ... | 1,109 | 3,088 | 81110 | ... | ... | ." | 11 | 97 | 275 | 1,118 | 3,40 | 9118 | + $28 \cdot 14$ | Total | $\cdots$ |
| $\cdots$ |  |  |  | 1,48,010 | 237 | ... | ... | ... |  |  | 244 | 66,600 | 48,181 |  | +82:88 | Paluks Total | ... |

APPENDIX M.
Population and arsa of Government unoccupied land in the Taloda Taluka, West Khandesh District.



## APPENDIX M ${ }^{1}$.

Area of Government unoccupied land in 4 Inam villages, Taluka Taloda, West Khandesh District.


APPENDIX N.
The following papers contain the correspondence relating to the expiring settlement.

Selections from the Records of the Bombay Government Nos. CCCLXXXVII and CCCCXVII, New Series.

> No. S. R. V.-8.
> Camp Shqhada, $\frac{11 \text { nht }}{16 \mathrm{LH}}$ March 1918.

To
The COMMISSIONER, Central Division, Poona.
Sir,
I have the honour to forward herewith a report from Mr. J. Abbott, I.C.S., Assistant Settlement Officer, on the revision settlement of the Taloda Taluka.
2. The present settlement in the case of two-thirds of the Taluka is of 18 years' duration only, in the case of the rest of the Taluka it is only 14 years old. The settlement was guaranteed for these short periods in order to bring the Taluka into line with the neighbouring Talukas, where the period of settlement was also less than the usual 30 years in view of the future influence of the Tapti Valley Railway.
3. Taloda unlike the other Trans-Tapti Talukas of Shahada and Shirpur is not primarily a cotton growing tract. For this various explanations have

- been given in the past and Mr. Abbott has propounded a new theory, based on the local explanation of the phenomenon. In the part of the Taluka bordering on the Tapti, wheat is the principal crop, with Jwari second. In the west of this tract oil seeds form an appreciable part of the produce; in the rest of the Taluka they are the chief crop, rice being the next important.

4. The facts and statistics collected in the report show that the period of settlement has on the whole been one of prosperity. The opening years were marked by considerable remissions and suspensions, but the remissions are in part due to the rules regulating the imposition of new rates. The Taluka suffered from the famine of 1899 and suspensions had also to be given in 1907 and 1908. There have been no unauthorised arrears during the period and in normal years outstandings have been negligible; the last years of the settlement show practically a clean sheet.
5. The value of land has increased enormously as evidenced by the sales in those parts of the Taluka where full oocupancy rights are enjoyed by the cultivators, rents have gone up everywhere, prices of produce are much higher now than the average of the ten years preceding the settlement and are not likely to fall to the pre-settlement ingure for many years to come, if at all.

The loss of cattle in the famine of 1899-1900 has been more than recouped, plongh oxen at the last census were found to have increased 27.4 per cent. in ten years and ploughs nearly 20 per cent. In both cases the increase is most marked in those parts of the Taluka most recently settled in which the cultivators are predominatingly Bhils. Here too the number of carts has increased 65 per cent.

Since 1904-05, the year from which full details of Government land are available in Appendix $J, 7,447$ acres of waste land have been taken up and now little more than 5 per cent. of Government land is waste.
6. In the original settlement of 81 villages of which the present settlement is the second revision, rates were designedly pitched low so as to encourage reclamation of land for cultivation, this policy has in accordance with the rules regulating enhancement of assessments militated against enhancement of the rates at revision settlement to the pitch justified by the circumstances of the Taluka. The rates sanctioned for the villages subjected to original settlement in 1902 were so regulated as to be in harmony with the rates imposed on their neighbouring villages. In these ciroumstances a considerable enhancement of the present rates seems justifiable, and, as the report of Mr. Abbott clearly shows, the Taluka can well bear it.
7. He proposes to create four groups with rates of Rs. 3-10, Rs. 2-2, Rs. 1-7 and Rs. 1-2 as against five groups at present with rates of Rs. 3 , Rs. 2-7, Rs. 1-10, Rs. $1-2$ and 14 as. He keeps the third lowest assessed - $100-10$
groups as at present but amalgamates groups I and II. It will be noted that the rates proposed by Messrs. Maconochie and Fforde in 1899 for the lowest group was Rs. 1-4. I think the enhancements proposed for these three groups can be accepted. The amalgamation of the first two groups into one has at first sight much in its favour. The villages of the old second group are as well situated for access to markets as those in the old first group, as a reference to the map clearly shows. Both groups are at much the same distance from Taloda, several villages of the second group having the advantage of proximity to a secondary market at Kukurmunda which is slightly nearer Nandurbar (in a direct line) than Taloda. The price per acre of land in each group is much the same, land in the second group being by an insignifioant amount more valuable than land in group I; rents too are higher in the group at present more lightly assessed. In order, however, to keep the increase in the combined group, formed of old groups I and II, within the maximum of 33 per cent., Mr . Abbott has been obliged to deal more lightly than was necessary with the villages at present in group I-this at the expense of the villages of group II. I would suggest that the old grouping be maintained with a maximum rate of Rs. 3-15 in group I and maximum rate of Re. 3-3 in group II. The difference in results is slight; Mr. Abbott's grouping and rate gives an increase of Rs. 23,904 on the dry crop area (garden area is insignificant), my proposals. give an increase of Rs. 23,405. The retention of the old grouping is, I submit, the fairer policy to follow. Group I can undoubtedly bear the increase I propose and the increase on the whole area covered by groups I and II is more evenly distributed if my suggestion is adopted. Tbeoretically the villages of group II are as well able to pay Rs. 3-15 per acre as those of group I, but it is scarcely fair to make them pay nearly half as much again as they have been paying in the past while group I gets off with an addition of one-fifth only to its present assessment.

At present the maximum rates in the first group of the three Trans-Tapti Talukas is the same, and the revised rates should, I think, be the same also. It is true that rents in group I of Taloda are much lower than those in Shirpur and Shabada but rents are generally lower in Taloda than in the other two Talukas; this is largely due to the predominance of the Bhil in the Taluka. His interests are guarded by the fact that he holds his land on the restricted tenure and as long as there is Govenment waste land to be had, he has no reason to rent land. The lowness of rents in Taloda is to be ascribed to the paucity of competition for the land; not to any defects in the land or communications with markets.

I have, etc.,
J. A. G. WALES, Collector of West Khandesh.

Below Collector of West Khandesh's No. S. R. D.-8, dated 16th March 1918.
No. S. T.-182.
Poona, 30th April 1918.
Forwarded with compliments.
In 1896-1899 when the current settlement was being sanctioned, this Taluka was still backward, and indeed a large part of group V had never previously been settled. Statistics upon which the profits of agriculture could be correctly determined were almost non-existent. Even now they are very scanty for groups IV and V, though they are commencing to emerge.
2. But for the rest of the Taluka, there is a more consistent and-satisfactory body of evidence of land values than in any Taluka I have yet had to deal with. There is clear evidence of a steady advance in values in the last three quinquennia, and moreover, there is clear evidence that in groups I, II, and III, there is so little difference in the soil that the sale and lease values increase just as the assessments decrease ; or in other words that there is no real difference in the profits of agriculture throughout the three groups, but that the difierent maximum rates are unjustifiable. If the statistics for groups IV and V were forthcoming, there can be little doubt that we, should find the same thing in the other groups. The old grouping gave a maximum rate of $3,2-7,1-10,1-2$ and 14 annas. Thus group I was assessed more than three times as heavily as group V. Even when they were imposed in 1899; those great differences were not justifiable. There are only a few miles between the heart of group I and the heart of group V.
3. In resettling we ought if possible to reduce this difference. If we were allowed to increase the whole Taluka by 33 per cent., I would put hardly any increase on group I, while I would increase groups IV and V by about 100 per cent. Then the resulting two or three groups would comply with the law, and would in revising the assessments have regard to the profts' of agriculture.
4. But unfortunately the extra-legal declaration of a limit of 33 per cent: to the enhancement of any group of villages has made the application of the law to revision settlements impracticable. We must either raise groups III, IV and V more than 33 per cent., or we must in revising disregard the real profits of agriculture, and abandon an attempt to fix the state demand at any standard proportion of those profits.
5. Mr. Abbott proposes four groups only, of which the rates should be Rs. 3-10, 2-2, 1-7 and 1-2. He feels constrained to do this, because he cannot exceed 33 per cent. in any group. Incidentally, I may point out that that would not prevent him from making his third group Rs. 1-8 instead of Rs. 1-7, but though we do now a little better in having only four groups instead of five, let us go and stand on the soathern border of Dhanpur village in the north-east. We can stand with our left foot in Dhanpur and the right foot in group I. The land under our left foot is assessed at Rs. 1-2 per acre maximum rate, while under our right foot is assessed at Rs. 3-10, assuming that the two fields are of exactly equal quality. Now can such settlement be justified on any grounds at all? I say it certainly cannot, and we must therefore either throw aside the 33 per cent. limit, or we must honestly face the sacrifice it entails and we must say that groups I and II should be amalgamated, but retained at Rs. 3. Then we might keep group II as Mr. Abbott proposes at Rs. 2-2 and we should then amalgamate groups III and IV to a rate somewhere in the neighbourhood of Rs.1-6. This would possibly slightly exoeed 33 per cent., but that cannot be helped. Then at the next settlement, still keeping our maximum rate at Rs. 3 for group I, we should still further bring up the II and III groups into a single group, not so far behind group I. It would then be in the third settlement from to-day that we could begin to assess the whole Taluka upon uniform principles according to the relative value of the profits of agriculture within.
6. Everything else in connexion with this settlement is very simple and requires no notice whatever. The Settlement. Officer has said all that need
be said. The only remarks I would make are that the price-graph should not: begin in 1899-1000, because this was a famine year and it makes it seem as. though there had been no very important rise in prices. But the settlement in 1899 was based upon prices of the preceding ten or twenty years and not upon those which began to prevail in 1899 and onwards. The graph is therefore misleading in itf present form. Moreover the prices of wheat in 1917 have certainly advanced and the graph gives the particulars of cotton only upto1915. This should certainly be continued another two years to give any idea of the conditions now ruling. I do not mean that we should base the settlement upon the cotton prices of 1918, but we should not exelude them from our, conspectus.
7. According to my conceptions, our settlements should be based upon the net profits of agriculture; and these have no ascertainable relations to the gross produce of land. Therefore much of the labour Mr. Abbott has given to the question of the incidence of assessment upon gross produce might have been spared.
8. Ordinarily, we take a sale value of about 20 multiples of the assessment as indicating a farr incidence. That assumes that capital is being invested at the rate of about 5 per cent. or 20 years' purchase. But in such a tract as Taloda, I doubt if any capital is invested at so low a rate. I daresay that 10 to 16 years' purchase is more like what investors ordinarily give. But even at the 20 years' purchase standard, group I can stand some increase, while all the other groups can easily stand any increase which either Mr. Abbott or I have suggested. This precaution about the number of year's purchase deserves consideration when we compare the figures in appendices $G$ and $H$.

- 9. Mr. Abbott's report is good, in fact I think he has gone too deeply into many matters where it was quite obvious that the results he required were on the surface and did not require excavation. When there has been an abundant and palpable increase in population or cattle, or anything like that it is rather a waste of time to analyse its causes and distribution and incidents very narrowly.

F. ANDERSON,<br>Settlement Commissioner and Director, Land Records.

[Below Settlement Commisstoner and Director of Land Records' No. S.T.-182, dated 26th April 1918.]

No. A. -414 of 1918.

Camp Mahableshwar, 7th May 1918.

## Submitted to Government in the Revenue Department.

2. The old groups are rated as Rs. 3, Rs. 2-7-0; Re. 1-10-0, Re. 1-2 and 14 annas.

Mr. Abbott suggests amalgamating the two top groups at Rs. 3-10, and rating the other three Rs. 2-2, Re. 1-7, Re. 1-2.

Mr. Wales wants the present five groups retained at Rs. 3-15, Rs. 3-3, Rs. 2-2, Re. 1-7, Re. 1-2. Mr. Anderson does not approve of the grouping and rates at all, attacks the 33 per cent. rule, and would have three groups at Rs. 3, Rs. 2-2, Re. 1-6, as a first step towards a really correct rating based on the profits of agriculture.
3. My views about the 33 per cent. rule have already been reported to Government. I only observe here that Mr. Abbott's proposals for the amalgamation of groups I and II result in an increase of nearly 50 per cent. for 24 villages. As these villages do not form the whole of a new group, this increase does not break the rule. If we rated them at Rs, 3-8 they would form a group, and we would not raise them so much: as. we rate them at Rs. $3-10$ there is no objection.
4. Mr. Anderson gives a striking example of the inequality of assessment. Of course there is very great difficulty in justifying such a difference as that between Rs. 3-10 and Re. 1-2 on adjoining fields. It is against all our principles and all equity-in theory. But the fact is that our assessments in . Taloda are caste assessments. The position is clearly shown by the table in paragraph 33 of Mr. Abbott's report. Consider the land held by Bhils in the various groups. The percentages are $11 \cdot 58,32 \cdot 89,60 \cdot 91,85 \cdot 70,97 \cdot 65$. It is almost all Gujar in Group I, and practically all Bhil in Group V, and that is the whole explanation!. If we charged the Gujar what the Bhil could pay there would be a senseless waste of revenue; if we charged the Bhil what the Gujar would pay the Bhil could not live and would have to give up his land. This is quite clearly put in the reports of 1896. Though Mr. Cumine said the Bhils should not have a lower rate than anyone else, he did not really mean it, for he recommended Re. 1-4 where a Gujar population would have cheerfully paid twice as much. I agree with Mr. Cumine, who knew his Bhil, that " the Bhils are all the better for being kept up to the mark in point of assessment". But it is a different mark from what we can presoribe for Gujars.
5. However I agree with Mr. Anderson as to the object to be aimed at. Therefore I cannot support the Collector's modification, I would accept Mr. Abbott's groups and rates, with a little modification. The rates for the groups may be Rs. $3-10$, Rs. 2-3, Re. 1-8, Re. 1-2. These rates give increases of $5 \frac{1}{2}, 5 \frac{1}{3}$ annas per rupee for groups II and III : it is an insignificant increase over $33 \frac{1}{s}$ per cent. in the case of group II which we might surely ignore. It is indeed almost absurd that we cannot rate Group IV at Re. 1-4, which everyone accepted for it even in 1896.

C. N. SEDDON,<br>Commissioner, C. D.

From

J. ABBOTT, Esq., I. C.S., Assistant Settlement Officer, Khandesh ;

To

## The SETTLEMENT COMMISSIONER and DIRECTOR of LAND RECORDS,

 Poona.Vaijapur, 3rd January 1918.
Sir,
In accordance with Government Order No. 5248 of 27th April 1917, I have the honour to submit for further action by Government under section 102 of the Land Revenue Code, proposals for the settlement of the inam villages of Pratappur and Gopalpur in Taloda taluka. Of the ten other inam villages in Taloda taluka four are unsurveyed (Helalpur and Ranjani; Savar and Sinde in Forest limits), and as regards the rest the Superintendent, Land Records, C. D., informs me that remeasurement and classification is necessary. My report on the inam villages of this taluka, therefore, deals only with the two villages I mention.
2. Government Resolution 6732 of 17 th July 1911, of which I attach a copy, will explain the peculiar position of these villages; and why the settlement current at present in the taluka was not introduced into them. The question, it will be seen, of recommending a settlement roceptable to the Jagirdar, is one simply of guaranteeing to him according to our soil classification system an income not less than that he now derives from his villages.

The Government Resolution to which I refer gives the income of the Jagirdar as from Gopalpur Rs. 1,061-4-0 and from Pratappur Rs. 2,870-9-0; but the Jagirdar now represents to me that these figures do not include the contribution he makes to the remuneration of the kulkarni and patils, and that, this being included his total income is really Rs. 3,074 from Pratappur and Rs. 1,172 from Gopalpur or Bs. 4,247 in all. In the last paragraph of that same Government Resolution it is suggested that different maximum rates be fixed for these villages; Rs. 2-6-0 for Gopalpur and Rs. 1-15-0 for Pratappur are mentioned as suitable rates, though it is added that Pratappur can possibly bear a higher rate than Gopalpur. The Jagirdar himself suggested at first a rate of Re. 1-14-0 for Pratappur and Rs. 2-4-0 for Gopalpur on the ground that the soil of the latter village is better than that of the former village.
3. I would like myself to point oat that even the lowest rates possible, which would ensure the Jagirdar his present income, will leave these villages almost surrounded by villages paying a still lower rate. On the north and east the villages of Group IV will, under the new settlement that I have proposed, bear a rate of Rs. 1-2-0. On the south Pandharka will bear a rate of Rs. 1-7-0. On the west, however, is the inam village of Rojhva, at present bearing a rate of Rs. 1-10-0 which I suppose will eventually be raised to Rs. 2-2-0; and close to this village is the Government village of Chinoda for which I have actually proposed a rate of Rs. 2-2-0. A rate of Rs. 2-2-0, therefore, for the two inam villages in question would secure some uniformity in the rates of the talluka, but such a rate will deprive the Jagirdar of about Rs. 100 income; the rate of Rs. 2-3-0 however, would give him an income Rs. of 3,275 from Pratappur and Rs. 995 from Gopalpur or Rs. 23 in all more than he now obtains and this is the rate $I$ would myself propose.
4. My proposed rate has been accepted by the Jagirdar and is as nearly as possible the rate of one of the adjacent groups of villages; Gopalpur and Pratappur are also so similarly situated with respect to communications, and vary so little in their proximity to the forest, that I consider it inadvisable to differentiate between their rates, particularly as any lowering of the rate of either village will push the rate of the remaining villages considerably above that of any other village in the vicinity.
5. Since 1912 thére has been no unoccupied assessed land in either village; since 1906, from which date I have obtained figures, there have been neither remissions nor arrears of revenue.
6. The effect of my proposed rate will be as follows :--

| Pratappur Gopalpur | $\ldots$ |  |  | Cultivable areer. | Rate. |  | Assosament. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Acres. | Rs. |  | Rs. |
|  |  | $\ldots$ | ... | 2,066 - 21 | 23 |  | 3,275 |
|  |  | ** | ... | 88813 | 23 |  | 995 |
|  |  |  | ... | 295434 | 2.3 | 0 | 4,270 |

7. I would finally recommend that this settlement be guaranteed so as to expire with the new Revision Settlement of Government land in the taluka after 30 years.

> I have the honour to be, Sir, Your most obedient servant, J. ABBOTT, Assistant Settlement Officer, Khandesh.

Nọ. S.R.V.-8.
Camp Shahada, 16th Maxch 1918.
Forwarded with compliments to the Commissioner, Central Division.
2. The Collector supports Mr. Abbott's proposals,
J. A. G. WALES,

Collector of West Khandesh.
Na, S.T.-182.
Poona, 26抽 April 1918.
Forwarded with compliments to the Commissioner, Central Division.
2. As I have already made clear in my remarks on the khalsa settlement, it is nothing but the $33 \frac{1}{s}$ per cent. limit which prevents us from claiming a considerably higher rate from the villages of group IV, in whioh these fall. But when the inamdar has hitherto been levying rates as high as any we propose, there is no 33 per cent. limit and no reason at all why we should not impose rates as high as we would propose for the other villages, if there were no 33 per cent. limit. Indeed, it is only to be expected that in course of time the khalsa villages in group IV will rise to the rates which we may now fix for these inam villages; and indeed they almost touch Mr. Abbott's group II which is assessed at Rs. 2-2-0. In view of these facts, I do not see why the inamdar should be put to any loss at all. If we assess a rate of Rs. 2-4-0, we are certainly not-over-burdening the land by taking more than the standard proportion, and therefore I would recommend that this rate should be imposed as far more manageable than Rs. 2-3-0 proposed by Mr. Abbott.
F. ANDERSON,

Settlement Commissioner and Director of Land Records.
No. A-414 of 1918.
Camp Mahableshwar, 23rd May 1918.
Submitted to Government in the Revenue Department for favour of sanction.
2. The Commissioner agrees with the Settlement Commissioner and Director of Land Records.
C. N. SEDDON, Commissioner, Central Division.

## Survey of Indm Villages.

Question whether the inámdar of the saranjam villages of Gopalpur and Pratáppar in the Taloda talluka of the West Khándesh district is entitled to levy more than the original assessment fixed in 1871:

## Revenue Department.

## Bombay Castle, 17th July 1911.

Letter from the Collector of West Khándesh, No. 2804, dated 7th June 1910 :-
" With reference to paragraph 2 of Government Resolution, Revenue Department, No. 1853, dated 20th February 1909, I have the Konour to report as follows.
"1. The survey was introduced into the villages of Gopalpur and Pratappar in the year 1870-71 ander the authority of Government Resolution, Revenue Department, No. 3715, dated the 2nd August 1871.
" 2. No application and notification made under section 49 of the Bombay Act I of 1865 in regard to the survey is traceable. The accompaying extracts from the barnishi books for 1876, however, go to show that the inámdár never accepted the introdaction of the sarvey into the two villages of Gopalpor and Pratáppur. The following entries are the most important :-

No. 129, dated 19th February 1876.
No. $\frac{163}{2}$, dated 15 th January 1877.
No. 173, dated 21st March 1877.
No. 231, dated 24th March 1877.
There may be some correspondence either on the files of the Commissioner, C. D., or on those of the Survey Department which will show under what circumstances the survey was undertaken. Under section 49 of Act I of 1865 the survey could only be made on written application being presented.
"3. No information is forthcoming as regards clause 3 of paragraph 2 of the Government Resolution under reference.
"4. From Government Resolution, Revenue Department, No. 3715, dated 2nd August 1871, it seems that the rates were guaranteed for so many years as would canse the guarantee to expire simultaneously with that given for the Taloda taluka. The survey settlement in the Taloda tallaka expired in 1891-92 and hence the period of settlement in the villages of Gopalpur and Pratappur also expired in the same year.
" 5. I have the honour to solicit a reference to Government Resolution No. 693 of 26 th Jannary 1893, which shows that on the expiry of the guarantee in 1891 the village reverted to its former status and the inámdár became at liberty to levy pre-settlement rates. The Government Resolutions quoted in the Settlement Commissioner's No. 1504, dated Jth May 1908, seems to refer only to villages settled under the Land Levenue Code.
"6. The new Manager, $i$. e., the son of the Ráná Gaimalsing, was consulted by the District Deputy Collector, W. D., bat he does not appear willing to accept the revision settlement."
Memorandum from the Commissioner, C. D., No. r.-1201, dated 23rd June 1910 :-
"Forwarded to the Settlement Commissioner and Director of Land Reeords with a request that he will state the circumstances under which the survey of the villages in question was undertaken in 1871. The Commissioner's office has no correspondence on the subject."
Memorandum from the Settlement Commissioner and Director of Land Records, Ref. No. 431-8.s., dated 1st Joly 1910 :-
"Forwarded with compliments to the Superintendent, Land Records and Registration, Central Division.
" 2 . The information required may be searched for and supplied if available on the Deccan Survey records in his charge. The settlement proposals for the inám villages were received with letter Nọ. 312, dated 14th October 1870, from the Depaty Superintendent, Khándesh and Násil Surveys, and approved by Government in their Resolution No. 3715, dated 2nd August 1871, a copy of which was sent to the Superintendent, Poopa anḍ Násik Survey, under this office No. 1121, dated 5̣th August 1871.

- "3. From the extracts from the barnishi books sent by the Collector it appears that the inámdár never accepted the survey settlement. The Superintendent is requested to furnish information on this point also if available on the old records."
Memorandum from the Superintendent, Land Records and Registration, C. D., Nö. 1847, dated 18th November 1910:-
"Returned with compliments.
"2. A printed statement found on the Deccan Survey records is appended* * from which it will be seen that survey rates were proposed for the villages in question along with other alienated and Government villages which for some reason or other had been left out at the general settlement of the táluka. No further information is forthcoming on the survey records."
Memorandum from the Settlement Commissioner and Director of Land Records, Ref. No. 431-s.s., dated 7th December 1910 :-
"Forwarded with compliments to the Commissioner, C. D., with reference to his No. E.-1201, dated 23rd June last, returned berewith with accompaniments.
" 2. There is nothing in the correspondence underlying Government Resolation No. 3715, dated 2ad August 1871, which sanctioned survey rates for the two villages along with other alienated and Government villages, to show the circumstances under which the survey of the two villages in question was undertaken in 1871."
Memorandum from the Commissioner, C. D., No. R.-3820, dated 22nd December 1910 :-
."Forwarded to K. R. Bomanji, Esq., bo.c.s., Collector of West Khandesh, who is requested to be so good as to take this matter up personally. It will be obviously to the inámdár's interest to have revision rates applied to his villages and the refusal of the manager to pass the neceasary agreement is not understood. Probably if Mr. Bomanji will explain the matter, his attitude will undergo a change."
Memorandum from the Collector of West Khándesh, No. 2174, dated 8th May 1911 :-
" Returned with compliments.
"2. When camped at Taloda in February last the undersigned saw Rana Gulábsing Gaimalsing, the eldest son and general manager of the inámdár of Gopápar and Pratáppur-Rána Gaimalaing Jaswantsing-and discussed the question with him as regards the introduction of the revision survey in these inám villages. His statement explaining the objections taken by him with reference to the application of the revision rates accompanies.
" 3. His principal objection is that the will derive less income from the two inám villages, than be actually receives at present, if the revision rates are applied to them. This objection can be more clearly explained as under :-
(a) The income leviable from the two inam villages according to the original survey is-

| Village. | Ooltivabte area, | Asseasment, |
| :--- | :---: | :---: |
|  |  | Acres. |
| Gopálpur | $\ldots$ | 895 |
| Pratáppur | $\ldots$ | 2,122 |

The assessment is at the rate of Rs. 1-4-0 per acre.
(b) The income which will be derived according to the revision sarvey rates, i.e., Rs. 1-10-0 per acre, according to the calculation of the Survey Department would be-

| Village. | Gultivable area, | Assessment, |  |
| :--- | :---: | :---: | :---: |
| Gopálpur | Acres. | Rs. |  |
| Pratáppur | $\cdots$ | 889 | 739 |
|  | $\cdots$ | 2,067 | 2,434 |

Here the assessment is calculated according to the classification value of the soil,
(c) The income which will be derived according to the revision survey rates, i.e., Rs. 1-10-0 per acre, without reference to the classification value of the soil would be-

(d) The income which the inamdar at present derives at the rate of Rs. 4 per partan, i.e., Rs. 1-5-4 per acre, is-

| Village. |  | Oultivable area. | Asbessment, |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A. g. | Re. | 8 | p. |
| Gopálpur | ... | 89510 | 1,061 | 4 | 0 |
| Pratáppur | $0 \cdot 9$ | 2,121 29 | 2,870 | 9 | 0 |

Here the assessment is calculated without reference to the classification value of the soil.
"Thus it will be seen that the inámdár at present derives more income than what he is likely to get if the revision rates are applied and the assessment is calculated according to the Survey Department rules [please see (b) above]. Hence he is not willing to have the revision rates applied in his inam villages.
"4. The manager of the inámdar is also not willing to execute a kabulayat. His reason is that the villages of Gopálpur and Pratáppur are held on the political tenure and hence no kabulayat can be executed.
" 5. The manager further objects to the form of agreement at present in use. He says that the form at present laid down was sanotioned by Government in 1892. His father applied for the revision survey in 1891 ; hence the form of 1892 is not acceptable to him.
"6. The manager further argues in his statement that the rate of assessment to be levied in his inám villages should be higher than that in the adjoining British villages, or, if that is not possible, the highest rate that is at present levied in any British village in the Taloda taluka should be fixed in his inam villages. The reason for this, as given by the manager, is that the revision survey operations took place in his inám villages in 1891 and the revision rates are not yet introduced in them. He has therefore suffered in revenue by this delay. In the British villages in the Taloda taluka the revision rates were introduced in 1899. He further urges that on account of this delay in the introduction of revision rates, the period of the expiration of the revision survey in his indm villages, if one is introduced, shoald terminate with the period of the revision survey in the British villages of the Taloda táluka.
"7. The manager is not at all willing to have the fevision rates applied in his inám villages.
" 8. No kabuláyat was, it seems, taken at the time of the original sorvey and the inámdár, it seems, cannot now be forced to adhere to the original rates.".
Memorandum from the Commissioner, C. D., No. R.-1424, dated 1st June 1911 :-
"Submitted to Government.
"2. In the circumstances it would seem to be impossible to insist on the inámdár's restricting his demands to the survey rates."
Resoldtion.-Government conour in the opinion expressed by the Commissioner, C. D., in his memorandum No. r.-1424, dated 1st June 1911, that the inamdar cannot be forced to restrict his demands to the survey rates.
2. It is understood from paragraph " 3 (d) of the Collector's memorandum No. 2174, dated 8th May 1911, that the income which the inámdár can derive from the two villages, if all the cultivable area is occupied, at the rate of Rs. 4 per three acres, irrespective of soil classification, is Rs. 3,931-13-0. It is likely' that the inámdar will consent to the introduction of the revision survey; if he is offered maximum rates which, when applied according to soil classification, will yield a total income, derivable if all the culturable land is occupied, equal to or greater than Rs. 3,931-13-0. It appears that a maximum rate of Rs. 2-6-0 for Gopálpur and of Rs. 1-15-0 for Pratáppur would secure the inámdár from any reduction in the total assessment of the culturable area in each village. It may happen however that Pratáppur can bear a high maximum rate better than Gopalpur, but in that case it should be possible to adjust the maximum rates of the two villages so that the inamdár will be secured from loss on the two combined. In the interests of the occupiers or tenants it is very desirable to offer such a modification of the rates as will induce the inámdár to accept a survey settlement; and Government are pleased to direct that further efforts should be made on the lines indicated to secure this end.

## R. D. BELL, Under Secretary to Government.

To
The Commissioner, C. D.,
The Collector of West Khandesh (with the barnishi extracts and statement of the inámdár's manager),
The Settlement Commissioner and Director of Land Records,
The Remembrancer of Legal Affairs,
The Accountant General,
The Financial Department of the Secretariat,
The Political Department of the Secretariat.

## Revenue Survey and Assessment:

West Khándeesh.
Revision settlement of the Talods táluka

GOVERNMENT of BOMBAY.

# Revende Department. <br> Resolution No. 6974. 

Bombay Castie, 2nd July 1918:
Memorandum from the Commissioner, C. D., No. A,-414 dated 7th May 1918-Submitting, with his remarks, the papers specified below* containing proposals for the revision settlement of the Taloda táluka of the West Khándesh district.
-Lettex Irom Mr. J. Abbott, I.C.S., Assistant Settlement Officer, West Khándesh, dated 30th Decambar 1917, snd accompaniments.

Letter from the Collector of West Khandesh No. S.R.V. -8 dated 16th Maxch 1918:
Memorandum from the Settlament Commissioner and Direotor of Land Reconds No. B.T.-182 aated 26th April 1918.

Memorandum from the Commissioner, C. D., No. A.-414 dated 23rd May 1918Submitting with his remarks the papers specified below containing proposals for the revision settlement of the inam villages of Pratappar and Gopalpur in the Taloda taluka.

Letter from J. Abbott, Esq., I.C.S., Assistant Settlement Officer, dated 3rd January 1918.

Memorandum from the Collector of West Khándesh No. S.R.V.-8 dated 16th March 1918.

Memorandum from the Settlement Commissioner and Director of Land Records No. S.T.-182 dated 26th April 1918.

Memorandum from the Commissioner, C. D., No. A.-414 dated 12th June 1918Submitting with his remarks the papers specified below together with the petitions of objections regarding the revision settlement of the Taloda taluka.

Letter from the Collector of West Khándesh No. S.R.V.-8 dated 11th May 1918.
Memorandum from the Settlement Commissioner and Director of Land Records No. S. T.-182 dated 27th May 1918.

Resolution.-These papers contain proposals for the revision settlement of 123 Government villages, two inam villages and Government land in four inam villages in the Taloda taluka of the West Khándesh distriot. The revision settlement now expiring in the case of the 81 Government villages has been in force for 18 years, and the settlement now proposed will be the second revision for those villages. In the remaining Government villages the original settlement had been in force for 14 years. These short settlements were granted to bring the táluka into line with the neighbouring tálukas of Khándesh.
2. The history of the current settlement is one of very considerable progress, and upon the facts detailed in a complete and careful report by the Assistant Settlement Officer Government accept without hesitation the conclusion that the Taloda taluka has reached a degree of prosperity which will enable it to bear with ease the full increase in assessment which the rules permit.
3. The Governor in Council accordingly approves the grouping and rating proposed by the Assistant Settlement Officer subject to one of the two minor modifications proposed by the Commissioner, namely, that the rate for group III' should be Rs. 1-8-0 instead of Rs. 1-7-0. The following statement shows the rates sanctioned for the Government villages and for Government land in four inam villages. A special rate of Res. 2-4-0 is sanctioned for the two inam villages of Pratappur and Gopalpur as proposed by the Settlement Commissioner.
4. The revised rates should be introduced during the current year, levied from 1918-19 and guaranteed for a period of 30 years.
5. The petitions of objections do not disclose any grounds which would lead Government to modify the orders now passed.

Statement referred to in päragraph 3 of Government Resolution.

| Group. | Number of villages. | Maximum dry crop rate. |
| :---: | :---: | :---: |
| $\begin{array}{r} \text { I } \\ \text { III } \\ \text { III } \\ \text { IV } \end{array}$ |  | Rs. 8. p. |
|  | $42+$ Government land in one inam village... | 3100 |
|  | $21+$ Government land in three inam villages | 220 |
|  | 9 ... ... ... ... | 180 |
|  | 51 ... ... ... | 120 |
|  | $123+$ Government land in four fnam villages. |  |

A. F. L. BRAYNE, Under Secretary to Government.

REVISED APPENDIX L.

Statement showing the effect of Revision Settlement proposals or


## -continued.

vernment occupied land in the Taloda Taluka of the West Khindesh District.



L-continued.



## L-concluded.





INDEX 'IU THE CUKKESYUNDENCE RELATING TO THE SECOND REVISION SETTLEMENT OF DHULIA TALUKA OF THE WEST KHANDESH DISTRICT.


From

J. ABBOTT, Esq., I. C.S., Assistant Settlement Officer, Khandesh;

To
The Settlement Commissioner, Poona.

Dhulia, 8th July 1918.
Sir,
I have the honour to submit herewith proposals for a second revision settlement of the Dhulia Taluka, West Khandesh.

There are 189 villages in the taluka, of which two are inam villages and two in forest limits. My report therefore deals with 185 Government villages. The current settlement of these villages was introduced in 1898-99 under the authority of Government Resolution No. 6068, dated 14th August 1897, and was guaranteed up to the revenue year 1918-19.
2. Position and physical features.-These have in no way altered during the period of the current settlement, and as the taluka is not an easy one to describe concisely, I think I oannot do better than invite a reference to Mr. Maconochie's detailed description in paragraph 10 of his report of 1896.
3. Soil.--Black cotton soil is found East of the Agra road and north of Dhulia but the average soil of the taluka is red. The vicinity of the rivers and the neighbourhood of the numerous hills and rises in the taluka are usually marked by a considerable spread of rock or of stony ground and the average soil classification in all groups is on this account a low one. From the whole taluka caly 32.77 per cent. of the maximum assessment at existing rates is obtained and the average assessment of the first group is only Rs. 1-1-5. In this respect therefore the taluka bears no comparison with the North Tapti talukas. It is typical, however, of the central southern part of Khandesh with its broken and hilly ground that affords such a contrast to the plain of the Tapti valley. Its average assessment of Rs. 1-1-0 in group $I$ is indeed practically the same as that of the old Parola peta (annas 15) to its east which bears the same maximum rating. For contrast I append a few figures showing the percentage of the maximum assessment obtained under our soil classification system in several talukas :-

| Taloda | $\ldots$ | $\ldots$ | $\ldots$ | 85 | per cent. |
| :--- | :--- | :--- | :--- | :---: | :---: |
| Shahada | $\ldots$ | $\ldots$ | $\ldots$ | 77 | $"$ |
| Shirpur | $\ldots$ | $\ldots$ | $\ldots .62$ | $"$ |  |
| Chopda | $\ldots$ | $\ldots$ | $\ldots$ | 64 | $"$ |
| Amalner | $\ldots$ | $\ldots$ | $\ldots$ | 49.57 | " |

4. Climate and rainfall.-The notes appended to Appendix A will explain sufficiently clearly the nature of the rainfall. The figures given, however, are those recorded at Dhulia itself and do not quite represent the fall on the Laling hills which are often swept by rain when the valley of Dhulia is cloudless', nor illustrate exactly the nature of the fall south of the Laling hills which frequently delay the arrival of the monsoon in the southern parts of the taluka around Arvi.

Whilst the olimate of the taluka is on the whole pleasanter in the hot months than in the neighbouring talukas to the east, the heat of its hot weather is considerable. The taluka town, unfortunately situated in a hollow, does not enjoy the best climate that the taluka affords.

5 Crops and cultivation.-(i) In Mr. Maconochie's report of 1896 these percentages of the entire crop of the taluka are given as the respective proportions of the principal crops:-

| Jouari, | Bajxi. | Wheat. | Cotton. |
| :---: | :---: | :---: | :---: |
| 9.2 | 37.8 | 1.2 | 32.69 |

(ii) The following table giving in quinquennial averages percentages of the entire cropped area will illustrate the varied preferences for different crops since 1899 :-

| Year. |  |  |  | Jouari. | Bajri. | Wheat. |  | Ctton. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1899-1902 | ... | $\ldots$ | ... | $\begin{aligned} & 8 \cdot 15 \\ & 8 \cdot 19 \\ & 6 \cdot 90 \\ & 8 \cdot 55 \end{aligned}$ | $44 \cdot 52$ <br> 37.88 <br> $38 \cdot 40$ <br> 98:21 | $\begin{aligned} & 1.54 \\ & 1.80 \\ & 1.43 \\ & 1.90 \end{aligned}$ | $\begin{array}{ll} 31 \cdot 14 & \text { per cent. } \\ 86 \cdot 28 & " \\ 37.56 & " \\ 39.38 & " \end{array}$ |  |
| 1903-1907 | $\cdots$ | ... | ... |  |  |  |  |  |
| 1908-1912. | ... | . | $\cdots$ |  |  |  |  |  |
| 1913-1917 | ... | ... | ... |  |  |  |  |  |

These figures show that there has been little change in the proportions of the different crops save for an increase in the cotton crop at the expense of the bajri crop. This increase, however, is very small when compared with the great increase in the cotton crop of talukas nearer the. Tapti.
(iii) The rabi crop, though a small portion of the whole crop, varies considerably as this table of quinquennial averages shows:-

| $1899-1902$ | $\ldots$ | $\ldots$ | $\ldots$ | 4.408 acres. |
| :---: | :---: | :---: | :---: | :---: |
| $1903-1907$ | $\ldots$ | $\ldots$ | $\ldots$ | 7,451 |
| $1908-1912$ | $\ldots$ | $\ldots$ | $\ldots$ | 5,699 |
| $1913-1917$ | $\ldots$ | $\ldots$ |  |  |

This variation is due almost entirely to changes in the area cultivated with wheat, and rabi jouari has no influence thereon as it has in many other of the talukas recently settled. Jouari is in fact not a very important crop whilst rabi jouari is not cultivated at all.
(iv) The oil seed crop is not large. The area under castor oil seed, linseed and ground nut combined is only 1,300 acres; tili cultivation takes up nearly 12,000 acres. San is not grown at all. Erandi is a common feature in cotton fields. The wheat crop is of the type most common in Khandesh "Banshi"; where motasthal irrigation is possible, "Mondhe" is cultivated. The varieties of bajri grown are "Gaorani" and "Nemadi"; through the efforts of the local agricultural association Akola bajri has been introduced; the chief variety of cotton cultivated is the ordinary Varhadi cotton; with this neglectum roseum is not infrequently to be found mixed. Manuring is done unsystematically every other year. Every year the fields are worked with a bullock drawn hoe. Where the crop is bajri, this modified form of ploughing is considered a sufficient disturbance of the soil, but where cotton is cultivated the ordinary plough is used. As cotton is grown in rotation with other crops every field is thus normally ploughed in alternate years.
(v) There is no true fallow system in the taluka. In 1896 the fallow land was 6.4 per cent. of the entire occupied area; to-day it is as follows:-

| Group | I | ... | ... | ... | $1 \cdot 1$ | per cent. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| " | II | ... | ... | ... |  | , |
| " | III | ... | $\cdots$ | ... |  | " |
|  |  |  |  | ... | $3 \cdot 23$ | " |

(vi) An analysis of the figures of $1916-17$ will show what causee operate to create fallow:-

| Failow | due to rotation | $\cdots$ | s. |
| :---: | :---: | :---: | :---: |
|  | due to want of timely rain | ... 851 |  |
|  | due to poverty of the occupants. | 2,539 | " |
| " | due to neglect ... | 6,922 | " |
|  |  | 10,350 | " |

(vii) The fallow that accompanies the threat of famine is of course caused by drought or excess of rain. In additional comment upon Appendix A, I add figures of the fallow acreage in several years since 1896 :-

| 1896 | $\ldots$ | 17,363 | acres. | $1907-08$ |  | $\ldots$ | 12,809 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $1908-09$ | $\ldots$ | 9,354 | $\prime \prime$ |  |  |  |  |
| 1897 | $\ldots$ | 20,689 | $\prime$ | $\ldots$ | $1909-10$ | $\ldots$ | 7,719 |
| 1898 | $\ldots$ | 17,543 | $\#$ | $1910-11$ | $\ldots$ | 9,894 | $;$ |
| 1899 | $\ldots$. | 61,692 | $\ldots$ | $1911-12$ | $\ldots$ | 22,134 | $;$ |

6. Waste land.-(i) In his No. S.-28 of 8th January 1897 the Survey Commissioner commented upon the existence of 56,786 aores of waste in the taluka assessed at Rs. 25,701 or in average at about 7 annas per acre. In particular he remarked upon the assessed waste of 863 acres at Mukti, 225 at Nimdale and 2,217 aores at Purmepada and expressed an opinion that this waste was overassessed. Government Resolution No. 6068 of 14th August 1897, Revenue Department, ordered an enquiry into the assessment and classification of the lands lying waste. This correspondence up to this stage is contained in the papers relating to the last settlement of the Taluka (Selection No. CCCLXXV-New series). Its continuation is summarised in Government Resolution No. 4626, Revenue Department, of 12 th July 1898; Government Resolution No. 6096, Revenue Department, of 10 th August 1904 and Government Resolution No. 7510, Revenue Department, of 18 th September 1905. Of these the first accepted the assurance of the Survey Commissioner and the Superintendent of the Deccan and Gujarat Survey that the classification of this land was not too high and required a report from the Collector in five years. The second Government Resolution embodied the report of the Collector showing that 5,675 acres of waste had been given out ; the Government Resolution of 1905 recorded another report that a further area of 3,700 acres had been given out and ordered the discontinuing of reports.
(ii) The following table epitomises the changes in the area of waste up to 1900:-

| Year, |  |  | Area. |  | Remarks, |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1894-1895 | ... | ... | 56,786 acres |  | Vide last settlement report. |
| 1899-1900 | ... | ... | 76,368 | ... | At the beginning of the year. |
| 1899-1900 | ... | ... | 40,668 | ... | At the end of the year. (Vide Appendix M) 35,690 acres had been transferred to forest and other heads. |

During the rest of the settlement 3,435 acres were transferred to forest and about 25,000 acres given out for cultivation, leaving now an assessed waste of a little over 12,000 acres.
7. Irrigation-(a) Mothastal.-The area under well irrigation in!the taluka is 5,000 acres as contrasted with 3,000 at the beginning of the settlement. It is assessed at dry crop rates. Around Dhulia and in the southern and western $p^{\text {arts }}$ of the taluka water is found at a depth of 30 feet; in the northern part of the taluka it is reached at a slightly lower depth of $35^{\prime}$ and in the eastern $p^{\text {art }}$ of the taluka at $27^{\prime}$.
(b) Patasthal.-At the last settlement 11 villages had patasthal cultivation. The changes in their respective areas under irrigation are shown in the following table:-


In very few villages has there been any restriotion of or addition to the area existing at the beginning of the current settlement: By Government Resolution, Revenue Department, No. 10377 of the 6th November 1911 six numbers
at Bhadane were converted to jirayat land. From the figures I now tabulate it is clear that no reconsideration of the circumstances that led to that conversion is called for. The numbers it effected are in fact on ground too elevated to enjoy irrigational facilities.
8. Cultivation of the converted numbers.


In the Kayam patasthal villages no important irrigated crops are raised. Judging from the statistics of the last five years the kharif crop is some 63 per cent. of the entire crop raised by patasthal irrigation. Of this kharif crop 24 per cent. is cotton, 43 per cent. bájri and 15 per cent. groundnut ; of the rabi crop nearly 70 per cent. is wheat. Rice cultivation had entirely disappeared until its revival three or four years ago on the land irrigated by the Panjhra river, and the cultivation of sugarcane had materially decreased until the same period. In this respect the history of irrigated cultivation is much the same in this táluka as in the rest of Khándesh though the unsteadiness of the rainfall, which even in the last five years including as they do no year of great scarcity has varied from 22 inches to 40 inches, aggravates here the general reluctance to use irrigation for the cultivation of valuable crops.
9. Temporary irrigation under the control of the Public Works Department illustrates this attitude of the Khándesh agriculturist in another way. When the rainfall is abundant and the early sown kharif crop is ripe and permits of early harvesting the cultivator is ready to attempt the cultivation of a rabi crop with the aid of irrigation, but in normal years his use of water is merely to supplement the rainfall in the rearing of his kharif crop. It is not surprising therefore that the area of land temporarily irrigated shows great fluctuations; that in 1912-13 it was 550 acres, in 1913-14 and 1914-15 alike 131 acres, in $1915-16,500$ acres and in 1916-17, 290 acres.
10. Appendices $G$ and $H$ show the following average sale and rent values of patasthal land in the táluka:-


Thè increase in values since the decade 1889- 98 has been in sale values of the two groups respectively $80 \cdot 19$ per cent. and $162 \cdot 19$ per cent. and in lease values $68^{\circ} 12$ per cent. in Group I. If in terms of assessment this patasthal land is sold at rates lower than that of the jirait land in the corresponding groups, it is rented at higher rates than that jirait land.
11. In making my suggestions for raising the jirait rates of the táluka, I have proposed for Group I a maximum rate of Rs. 8-10-0 and for Group II one of Rs. 3-5-0. Dividing the soil assessment of the patasthal land from its water assessment I propose the same rates for its soil that I have suggested for the jirait land; for its water rate I suggest an increase of 5 annas in the rupee beyond the existing rates.
12. Labour.-LLabour is still paid in kind in the case of backsmiths, carpenters and others whose trades continue to bear a semblance of communal interest but as was to be expected in the vioinity of a large town the cash nexus
is more prominent thian in tálukas further west. The supply of agrioultural labour is normally sufficient to meet the demand though the wages of cotton pickers vary considerably in season; outside labour is not required in the; season of harvest and the tàluka furnishes rabi harvesters to outside tàlukas.' Field labour is generally remunerated with a daily wage of eight annas; ordinary unskilled labour obtains from 6 to 8 annas a day. Agricultural oustoms also retain the saldari system of payment; though the plaintiff employer resorts more frequently to the Civil court in this taluka than he does in tallukas further west or north the system would appear to work with little friction. The annual earnings of a saldar vary from Rs. 110 to Rs. 150 which are paid generally in half-yearly advances; the term of engagement is usually for one year though engagements for longer periods up to a maximum of 5 years are to be found. If the taluka, however, is quite self-centred with respect to its agricultural labour, it is a different matter entirely with respect to its industrial population. Local labour is seldom seen in the gins of Dhulia which are carried on with labour from the Ahmednagar and Neisik Districts.
13. Population.-Maratha Kunbis with a few Rajputs and Mahomedans form the bulk of the agrioultural population. Gujars, so prominent a portion of the population in parts of West Kbandesh, occupy two villages only. Whilst there are no purely Bhil villages in the taluka, Bhils are to be found scattered in small numbers all over the taluka. Their total number is some 10,600 ; for the most part they are merely labourers; the land held by them is approximately 2,000 acres and of this half finds its way regularly by lease into the hands of Shahus.
14. In the town of Dhulia are a few Vanjaris who are good agriculturists and even contractors, but the mass of Vanjaris are Laman Vanjaris who to the number of 1,366 occapy 14 villages in the taluka. These latter are labourers and in the rabi season migrate as harvesters to Shahada, Taloda and Nandurbar tálukas.
15. The census figures give the following population of the talluka :-

| 1881 | $\ldots$ | 60,929 | 1901 | $\ldots$ | $1,04,952$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1891 | $\ldots$ | 98,142 | 1911 | $\ldots$. | $1,29,147$ |

A special census made in 1894, and referred to by Mr. Maconochie in his report of 1896, gave the population as $1,08,018$. The census of 1901 with its smaller figure of $1,04,952$ demonstrates the effect of the famine of 1899-1900. The average annual number of births and deaths in the taluka for the years 1916-17 was respectively 6,119 and 5,379 .
16. There is little that oalls for comment in Appendix $M$ which shows the distribution of the increase in population. The villages that do not show a proportionate addition to their population are very few. Songir in 1896 was described as a Municipal town with a population of about 4,860; in 1901 its population was 4,303, in 1910, 4,368.. It can no longer be described as a 'thriving little town'; its, metal workers are now few; its Municipality was abolished in 1906, and there is no demand for the assessed waste land in its vicinity which has remained unchanged in area since 1901 at least.
17. In 1896 Dhulia was a Municipal town with a population of 22,000 or thereubouts; in 1901 the population was 24,726 and in 1911, 30,800 . To-day its population is approximately 30,655 . There is, therefore, something disappointing in the history of the town since 1911, although the pessimistic prophecies that have been made from time to time about the effect of the proximity of the Tapti Valley Railway to Dhulia still remain unfulfilled. In 1902-03 and 1903-04 the deaths from plague in the town were respectively 1,188 and 3,405 , but visitations of plague cannot explain the stationary position of the town for 7 years. The annual average number of births and deaths in the town between 1911 and 1916 was respectively 979 and 859.

18 In 1894-95 there were in the taluka 14 Government schools, 9 Municipal and one private school with a total average attendance of 1,800, of which more than half was in the Municipal schools. To-day there are 61 Government schools with an average attendance of 2,056 boys and 181 girls; 5 private schools with a roll of 75 boys and 1 girl and 13 Municipal schools with an average attendance of 1,162 boys and 253 girls.

- 542 -2

19. Live and dead stock.- In the Settlement report of 1896 figures of the live and dead stock of the talluka for 1893-94 are given. These show 78,973 cattle for 185 surveyed Government villages only. Between that year and the famine yéar of 1899 intervened the bad years of 1896 and 1897, so that though I have not obtained figures for those years it may be assumed on the analogy of neighbouring talukas that even before the great famine came the agricultural stock of the talluka had been reduced below its total of 1893 . From 1899 up to 1915-16 I append figures of the more important years, these figures include figures for two alienated villages (these in 1915-16 were 731):-

| $1549-1900$ | $\ldots$ | 32,327 |  | $1905-06$ | $\ldots$ | 60,684 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $1900-01$ | $\ldots$ | 36,834 |  | $1909-10$ | $\ldots$ | 66,624 |
| $1901-02$ | $\ldots$ | 44,140 | $\vdots$ | $1915-16$ | $\ldots$ | 80,790 |

From these it is clear that the famine of 1899 destroyed in this taluka much the same percentage of the agricultural stock as in. many other talukas of the district, viz., rather more than 50 per cent. It is equally clear too that the losses of the famine have been made up during the current settlement, and the figures of years before that famine slightly passed.
20. Appendix D explains itself so that no remark on its details seems called for, beyond the one that this taluka does not show any tendency for the number of ploughs and the number of plough cattle to decrease. Such decrease of the one stock or the other appears in so many tálukas of Khándesh that it has attracted the attention of other Settlement Officers than myself. It has been conjectured that the growth of cotton cultivation has muoh to do with the reduction in the number of ploughs and plough cattle and with some diffidence I have in one or two of my recent reports made the same surmise. That phenomenon is, however, in different tálukas accompanied by such a singular variety of circumstances that it appears to me very doubtful whether there is really reasonable ground for such conjecture. To the doubts arising from the many differences in detail of the circumstances accompanying this change on which I have commented in other reports, Dhulia Táluka adds a further disturbing factor. For in this táluka the bullock drawn hoe is used largely in the cultivation of bajxi, but it is precisely for the cotton cultivation which is supposed to have caused the increased use of the hoe that the plough is retained. In central Khándesh (Amalner, Parola, Dhulia Tálukas) there is a distinct aversion to disturbing deeply the lighter shallower soils and here at least the extension of cotton cultivation cannot be credited with any such change in the methods of cultivation. There is no cattle breeding in the taluka. The principal varieties of cattle are the local variety, the Khilari and the Malvi. There are, strictly speaking, no cattle fairs or markets but in small numbers imported cattle are sold at many of the ordinary markets. About 14,000 acres of land are reserved for grazing purposes but the forest of the taluka which is otherwise not of great value is the great stand-by in days of scarcity, its Anjan trees providing in their leaves a good fodder.
21. Dairy produce.-Butter is exported in large quantities to Bombay from Shirud station. Dealers from Bombay come in November and buy the year's produce from the villagers of Borvihir, Borkund Kultha, Hadsani and Kundane paying its value in advance at a rate fixed upon on their arrival. The export continues throughout the year to a total value of some Rs. 9,000. Butter to the value of Rs. 10,000 is also exported from Dhulia. The villages contributing to this export are Sadgaon, Morshevadi, Narval, Shitod, Laling, Anakvadi. As in the case of the butter sent away from Shirud the rate is fixed for the whole year and Marwaris of Dhulia pay in anticipation the value of the export by advances of cash and cotton seed.

The method of preparing and despatching the butter is crude. It is placed in baskets made from the thicker stalks of cotton stitched together with pieces of coarse canvas.
22. Industries.-There are few local industries in the taluka. Weavers there are though in no great numbers; Momins at Dhalia who prepare saris; Dhangars at Songir who make blankets, and Mahars who weave rough oloth. At Songir metal working still remains though the number of workers is diminishing. The cutlery trade at Dhuilia bas become extinct. Of the 34 Oil Presses shown in Appendix E, 11 are at Dhulia, 6 at Ner and 4 at Kusumbe. They are all of
country pattern worked by bullocks, save one at Dhulia which is worked by an oil-engine. Of the cotton looms, 556 are situated in Dhulia, und of the 36 woollen looms, 30 are at Songir. With the exception of one ootton gin at Shirud, all the gins are in Dhulia.
23. Fairs and Markets.-Appendix C of Mr. Maconochie gives a list of ten markets :-Dhulia, Deopur, Songir, Niahalod, Lambkani, Borkund, Khed, Shirud, Ner, Kusumbe. To these must now be added the markets of Mukti and Arvi. Dhulia as the district capital is of course quite apart in its importance from the other markets which though some of them are in villages of fair size are of local importance only.

Of the fairs of the talika also it may be said that their importance is purely local. . A fair for eight days is held at Deopur and attracts about 2,000 people; fairs are held also at Shirud and Arvi on the same date as that at Deopur in the month of April. Other fairs lasting for a day only are held at Kusumbe, Khed, Kapadna and Ner. These fairs have no real market accompaniments.
24. Conmiunications.-The taluka is well provided with good metalled roads which follow the same alignnent as the main roaff existing at the beginning of the settlement. From east to west of the taluka ruffis a main road through the taluka town connecting it with Sakri on the west and Parola on the east. In a similarly direct manner Dhulia is linked to the Taluka towns on the north and south, whilst other metalled highways connect it with Amalner in East Khándesh and with Malegaon in the Násik district. As the taluka has now its own railway stations: ${ }^{4} /$ Dhulia and Shirud it is not handicapped by the inconveniences of the Girna river-crossing in the neighbouring taluka of Chalisgaon, to the extent that it was in the days when Chalisgaon was its nearest station.

The north-west comer of the taluka is in fact to-day its only region that suffers at all from the absence of good communieations. Communication between Dhulia and the villages around Lamkani is still not easy; the Panjhra river again running as it does, after leaving the neighbourthood of Dhulia direct west and north of the road from Dhulia to Sakri, adds its own difficulties in season to easy passage from these villages of the third group to the central roads of the taluka. The main road from Songir to Shahada, however, though without the limits of the taluka, affords good and direct communication with the Tapti-Valley Railway which can be reached with little difficulty by these otherwise isolated villages. The same road too gives access to the main markets of the Sindkheda taluka and to the gins of Dondaicha which receive in this way cotton crop of the Dholia Taluka.
25. Agriculturists and non-agriculturists.-


The area held by absentee landlords who live outside the taluka is about 2, 000 acres. An area of 3,107 acres is regularly given out on lease by owners who never cultivate or superintend the cultivation of their land but merely draw reuts therefrom. $\cdot$ Contrawise some 7,400 acres are held by lessees every year who have no lands of their own.

In 1890-02 the area cultivnted in the taluka by lessees was $6: 10$ per cent. of the entire occupied area, to-day such area exclusive of patasthal land is 3.9 per cent. of the whole.
26. Holdings.-


The bracketed figures represent inam holdings. For the year 1916-17 these have been included in the general figures. The figures for 1916-17 in accordance with Mr. Anderson's New Manual exclude plural holders, an exclusion which accounts for the reduction in the number of holdings over 500 acres.

To examine the question of uneconomic division of holdings, I took instances of subdivision from eight selected villages; from Dhulia, Gondur, Nimdale, Nandoda, Sirdàne, Khandlái Budruk, Raywat, Kanáda. To claim thà such figures are necessarily representative of the whole taluka would perhaps be somewhat extravagant, were it not that though selected more or less at random, they show, each and all, the same movement towards division, and each alike emphasises the steady and great increase in holdings since 1911. The number of subdivisions in these villages were as follows:-

$$
\begin{array}{rrrrrrr}
\text { Year:-1906. } & 1909 . & 1911 . & 1912 . & 1913 . & 1914 . & 1915 . \\
28 & 88 & 134 & 385 & 424 & 791 & 1,095 .
\end{array}
$$

of those in the year 1915, 576 were between $\frac{1}{8}$ and 1 acre in extent, and 431 were àbove 1 acre each.
27. Co-operative and Agricultural Societies.-There are ten co-operative societies in the taluka at Ner, Kusumbe, Khede, War, Shirud, Dhulia, Pimpri, Mnkti, Junvane and Songir. Of these six have recently been started; the oldest the urban society at Dhulia was founded ten years ago. The total income of these societies in 1917-18 was Rs. 1,620.

At Dhulia is a Gauli society which supplies good milk to the townsmen and an urban bank which advances loans on the mortgage of land. At Arvi is a grain depot managed by the village panchayat. The grain stored is bajri; to the exfent of 80 maps, this is given out to cultivators in the beginning of the rainy season and collected from them with 25 per cent. increase at the time of harvest. The Society has been working for eight years and may possibly be taken over shortly by the Co-operative Society Department.
28. Sales.-In preparing Appendix $G$ all the figures for the period 1909-1917 were gathered after enquiries from the parties to the respective sales. The major part, too, of those for the middle period 1899-1908 were gathered in this way, but for the remaining figures of this period and for most of the figures of the period 1889-1898 I was compelled to accept the face evidence of documents recorded in the Registrar's books. With the inevitable differences consequent upon this difference of method in collecting the figures of the appendix, the figures of each period equally present representative sales resulting from free and unrestricted competition. All sales that took the form of concession to family relationship or previous financial relationship were excluded, as also sales that were conditional, comprised lands of different villages or included considerations other than that of the land for sale. Sales by court decrees, sales of inam land, and finally sales of abnormal values from which deductions could not fairly be made, were similarly not accepted. To compare the average figures of this appendix with those given in Mr. Maconochie's report is not easy. In the first place, those figures of Mr. Mac onochie were accepted en bloc from the records of registration, whilst it is also impossible to draw group averages from them. Fonr out of the hundred cases accepted by him were obviously abnormal ones, and it would not be unfair to regard his appendix as indicating at the highest an average price per acre for the taluka of Rs. 17-4-10 in the years immediately preceding the beginning of the carrent settlement.

It is certainly far safer to confine comparison of figures to the limits of my own appendix. As the details of this were taken from representative villages only, the group averages given below were obtained by multiplying the average assessment of each group by the multiple of assessment that the appendix gives as the respective valuation of land within the group.

1909-1917.

|  |  |  | 1909-1917. <br>  <br>  <br> Group I |
| :--- | :--- | :--- | :--- |
| Group II | $\ldots$ | $\ldots$ | 97 |
| Group III | $\ldots$ | $\ldots$ | 69 |
|  | $\ldots$ | $\ldots$ | 48 |

Since the period 1899-1908, the three groups respectively show increases in their land values of 254 per cent. 224 per cent., and 198 per cent.
29. Leases.-Examination of leases, compared with that of sales, is somewhat disappointing. In place of a sale-deed precise in its many definitions one has a lease-deed that gives a very limited number of details as to the transaction it records. Lease-deeds again are frequently destroyed immediately upon the expiry of their leases; one-year leases are often entered into by oral agreement only, and ever when made the subject of a formal deed but seldom registered. Comparison of lease values, therefore, over any extended period is difficult, and the difficulty becomes greater the further one extends that comparison beyond the reach of the Record of Rights.
(ii) In the Dhulia Taluka again, as I suppose also in all the more advanced talukas of Khandesh an extended comparison of lease values is more hazardous than in several trans-Tapti talukas because of the co-existence in numbers of leases of all durations. Thus in the talukas of Taloda, Shahada and Shirpur when making recently proposals for their revision settlements I was able to confine my statistics of lease values to leases of one year's duration. In this. taluka, however, it is quite impossible to do so and any tabulation of lease values in the form of appendix $H$ must here inevitably be a collection of figures that have no definite relationship one to the other. (Uneconomical and therefore undesirable as the one-year lease may be, it is certainly more easy to form from statistics of such leases a graph illustrating accurately the tendenoies of a competitive market than it is to make infallible deductions from figures that include leases of one year, of three years, of fifteen years, all confusedly mixed together.) Between a lease of one year and one of ten years, there is obviously no value relation that permits of precise calculation; (primá facie one would expect the long period tenant to obtain better terms from the lessor than the tenant of two seasons obtains, but quite frequently the one-year lease is a lease accepted with surrender quite late in the season by a lessor who has tried and failed to obtain a tenant on a lease of long period.)
(iii) There are, therefore, limitations to the value of appendix H that do not exist in the case of appendix $G$. In the former appendix, the figures for the earlier period into which it is divided tend to record values of long leases and long leases only; whilst in the last period they record those of the shoirt as well as of long period duration. To compare the figures of one decade with those of an earlier decade is, accordingly, to obtain results only approximately accurate.
(iv) In drawing up appendix H all leases that followed mortgage, all leases that were only one phase of the financial relationship of the lessor and lessee, leases by the terms of which the annual rent was paid in advance and leases of inam land were excluded. The average values for each group have been calculated in the same manner as were calculated those of sales in the preceding paragraph.
(v) For the years presumably immediately preceding the introduction of the current settlement, though no dates are given for the figures of his appendix M, Mr. Maconochie recorded 95 cases of leases. Of these three cases were of leases of the abnormal average value of 18 times the assessment, and one at the still higher value of 64 assessments. Excluding these cases the figures he recorded show the average rent of that time as equal to Rs. 3-15-0 an acre.
(vi) Within the period of the current settlement the average rent of the years 1909-1917 was as follows:-

|  |  | Re. <br>  <br> $\ldots$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group I | $\ldots$ |  |  |  |  | 6.84 assessment) |
| Group II | $\ldots$ | ... | 13 | 4 |  | 7.55 assessment) |
| Group III |  |  | 15 | 9 |  | $8 \cdot 76$ assessment) |

and these rates show an advance beyond those of the years 1889-1898 of 96.55 per cent., 90.65 per cent. and $120 \cdot 90$ per cent. respectively.
30. Incidence of assessment.-As I see no grounds for believing that the rents recorded in appendix $H$ are not representative rents and the outcome of free and natural competition, I accept them as an indication of the net profits of agriculture.

In group I the full cash rent for the last decade of the current settlement was equal to 6.84 assessments. As this rent includes the payment of assessment by the tenant the landlord's net profit was equal to 5.84 assessments. The average sale of land for the same period realised 87.90 assessments; in other words the capitalised value of the landlord's annual net profit was taken at 12.85 year's purchase. My proposed enhancement of the maximum rate of assessment for this group will raise its average assessment from Rs. 1-1-8 to Rs. 1-7-3, so that in terms of the new assessment the lindlord's profit will be equal only to 4.43 assessments. At the same number of year's purchase ( $12 \cdot 85$ ) the average value of land per acre will, on the introduction of the new rate, be equal to 56.92 assessments ; these deductions and those calculated in a similar way for the villages of the remaining groups I now offer in tabular form.

|  |  |  |  | Ratio of assessment to nett rents. |  | Ratio of assessments to sale value. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Old rate. | New rate. | Old rate. | New rate. |
| Group I | $\ldots$ | ... | $\cdots$ | 1 to 5.84 | 1 to $4 \cdot 43$ | 1 to 87.90 | 1 to 56.32 |
| Group II | $\ldots$ | $\ldots$ | ... | 1 to 6.55 | 1 to $4 \cdot 70$ | 1 to 75.78 | 1 to $87 \cdot 17$ |
| Group III | - | $\cdots$ | ... | 1 to 7.76 | 1 to $5 \cdot 67$ | 1 to $64 \cdot 37$ | 1 to 48.95 |

These ratios calculated according to the new rates represent the ratios that the proposed assessment will, in each group, bear to the rents and sale prices of the group as these will be after the imposition of the new rates.
31. Revenue History.-The effect of the great famine of 1899-1900 is clearly visible in several appendices of this report. In appendix $K$ along with the automatic slow introduction of the new rates, that famine explains the figures of remitted assessment in the early years of the current settlement. Since those years there have been several years of threatening famine but happily no year in which famine actually visited the taluka. Appendix K shows that in those years of scarcity no remissions of revenue were made and that the outstandings of those years were quickly recovered. In column 3 of that appendix from the year 1908-09 onward for four years not inconsiderable figures of remissions appeared; these were due in groups I and II to remissions of patasthal assessment.

During the whole period of the existing settlement there have been no sales of land nor distraints of property in order to recover revenue. Fines for nonpayment of revenue appear in the records of four years only (1911-12; 1912-13; 1915-16; 1916-17). The issue of notices is an annual feature of revenue collection but illustrates the idiosyncrasy of debtors who pay with reluctance and not the severity of liability.
32. The present settlement.-The present settlement divides the Taluka into three groups with maximum rates of Rs. 2-12-0, Rs. 2-8-0 and Rs. 2-2-0. Group III includes villages that almost without exception are situated at the base of hills away from the main communications of the taluka; those in the northwest corner of the taluka, as I have remarked before, actually look beyond the limits of their taluka for their markets and their communications. Group II is formed by the valley of the Bori river and a portion of that of the Panjhra. The former valley is separated from the central part of the taluka by a range of hills and to some extent is self-centred upon the village of Shirad where it bas a station and one cotton gin of its own. The latter tract lies along a main road
but for the most part at some distance from the taluka town. Group I takes in the whole of the north-east of the taluka, and incorporates westwards the more easily accessible parts of the valley of the Panjhra. Though the olassification of soil is not a factor to be considered by a Settlement Officer in the grouping of a taluka, it is a rough and ready guide to the difficulties or facilities of communioation in this taluka. Save for the orossing of the Laling hills by the BombayAgra Road and the road from Dhulia to Chalisgaon the main roads of the taluka throughout their length follow the river valley along their centre lines. And it is thus permissible to say that though individual instances may be found that contradict the rule, the soil olassification of the villages in groups is a good criterion of the equity of their grouping. The comparatively level and open land of group I yields $40^{\circ} 16$ per cent. of the maximum revenue possible from it under the existing rates and classification; Group II yields in turn only 27.5 per cent. and Group III only 26.47 per cent. of such maximum.
(iv) Yet another point in the present grouping considering the present rates is that the drop from the first to the second rate and that from the second to the third are more or less equal, whilst neither is large. Whilst it would be possible, no doubt, in strict equity to change the grouping of a few villages, the present grouping and rating has none of the extraordinary irregularities that even a revision settlement cannot remove from the grouping of Khandesh talukas recently resettled. The Dhulia taluka has not the physical features, or the laok of physical features, that would make a single group an equitable grouping of the taluka, but in its existing three groups and gradation of rates it has, in my opinion, a grouping and gradation of rating that is almost perfect. I do not, therefore, propose to make any change in the existing groups.
33. Proposed settlement.-During the current settlement the advance in general prosperity has been a marked one. Agricultural values have shown percentage increases since the first decade of the settlement that for the most part are even more pronounced than have been found in the richer tracts of the Tapti valley. The selling value of land has increased in the three groups of the talukas from 198 to 254 per cent. in the last twenty years; within the same period agricultural rents have advanced from 96 to 121 per cent.
(ii) Prices of the principal grains and of cotton have risen considerably.


Changes in preferences for crops have shown an increased proportion of the profit-paying cotton crop cultivated and this crop instead of covering 32.69 per cent. of the entire cultivated area now occupies 39.38 per cent. of that area. The area that usually lies fallow is now 3.23 per cent. of the entire occupied area in contrast with 6.4 per cent. at the beginning of the settlement, whilst 27,000 acres have been added to the area of 'occupied land.
(iii) Yet again the revenue has been collected without difficulty and the incidence of assessment has been light. Income tax figures of the year 1915-16 that show since 1890-91 an increase in the revenue of this tax of 116 per cent. from the taluka town and of 145 per cent. from the taluka, exclusive of the taluka town, demonstrate the prosperity of the non-agriculturist class whilst the small area of agrioultural land that is held in mortgage ( 1,441 acres in 1916-17) shows, so far as mortgage of land can show it, that the indebtedness of the agriculturist is small.
(iv) The taluka being well able to bear a 33 per cent. increase of its revenue contribution I propose to raise proportionately the existing rates so as to occasion such increase as far as possible.
34. The rates I propose for the three groups are as follows :-

|  |  |  |  | Rato. | Percentage increase. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Group I | ... | $\ldots$ | $\ldots$ | 310 | 31.81 |
| Group II | $\ldots$ | $\ldots$ | . | 3 | 32:53 |
| Group III | ... | $\ldots$ | $\ldots$ | 213 | $32 \cdot 32$ |

The taluka inctease will be 32.09 per cent. In no village does the increase exceed 33.46 per cent. (vide No. 114). The increase in the average assessments of the groups will be respectively annas $5-7$; annas $3-7$ and annas $2-10$.
35. Finally I would recommend that the new rates which apply to agricultural land only be guaranteed for a period of 30 years.

I have the honour to be,
Sir,
Your most obedient servant,
J. ABBOTT,

Assistant Settlement Officer,
Khandesh.

## APPENDIX A.

Statement showing Rainfall recorded at Dhulia for the years 1906-1916.


Emarks with reoard to the oharacter of the season at Dhulia, 1906-1916.
1008-The total fall was almost equal to the arerage. There was no anti-monsoon rain. Monsoon opened timely in June effording sufficient moistare for kharif showinge whioh commenced everywhero. The rain in July and Auguat October alosed the seeson ea no rain fell abbsegnitiy. Rabl sowing was done with differlty. Season on the whole was fair.
1907-Rain during the yoar much under the average. Anti-monsoon rain was fair, Monsoon errived rather late in the third week of June and the month's fall was insuffelent for kharif eowings which Fere gtarted and completed in July under favourable rain. The August fall was continuous and the seedinge suffered for want of abreak whieh occurred of the month was very inadequate. October wes almost rainleas and there was no rain in November or December, Rabi wes practically not sown. Season was poQr necessitating auspensions,
1908-Anpuel rain in defect of the average. There was no ante-monsoon rain. Monsoon aommences timely in June but the fall being inadequate kharif sowing was taken in hand by the ond of the month and was completeat in July
nader sessonsble rain. Bain in August was good and the orops generally were doing well. But the fall in gentember was quite insnffient and the erops began to suffer. The etanding arops deteriorated. There was praotically no rain in October or in the two subsequent monthis. Kharif end rebi aowing was zeatrioted to
farourable situstiong. Searon on the whole was poor end susponeiong were granted.
1932-The year's total fall slightly below the average. Fairly heavy rain in the anti-mongoon period. Monsoon get in in the second week of June butsowing rain came in the last weak. Kharif wag baken up in hand and was continued erops stood in need of more rain. The rain in September though nader everage wes generally $\quad \mathrm{D}$ to requiremente beneftivg the suffering orops. The fall in Oetober wab short of the vaual quantity. Rabl saming was started. beneftiog the sufiring orops. Revin wore benefted by the usefalrain in December. Seseon on the whole was good.
1910-The fall of the year was in eroess of the average. In anti-monsoon perlod light rain fell. Monsoon barst earify in June but the tall being inceseant, iull kharif sowing was noi done. In July rain fell in the first week followed orops in the deep black soil suffered through exoessive moisture. The fall early in Soptember was indifferent but that in lagt Figk wis very benefoient to the orops. Rabi sowing was commenced. A few ghowers in Ootober
followed by light rain in November alosed the season. No rain in Deoember. Rabi crops throve well. Genfollowed bs
gon good.
2911-The year's total rain was abnormaily low, Anti-monsoon rain was praetically absont. Monsoon opened early in was reanmed with the fall in the second week but wes egain atopped. Angust fall thongh mpoh thort of the overege helped to complete the sharif cowings but more rain was required for the seedlings which were digtreased in places, Practically no rain fell in geptember and October. The standing erops further deteriorated and general rabi sowing was suspendea. The istier was done in favoursbia sifuations onig, Some nseful rain
in November proved beneficial to these orops. December was dry. Season on fhe whole was very poor.
1919-Rain during the year Was below the average. Very light rain in anti-monseon period, Monsoon set.in in the fhipd
wees of June and kharif sowing started by the ond of the month were complated in July under nuffeient and seasoanle rain. Fall in Augugt was deffleient and more rain was reanired for the eropy whioh had began to euffer. Rain in Boptember wea much below requirementa and the fall in Oetober was egsin meagre. The standing kharif orops further deferiorated. Rabi bowing was not possible. Britgood rain in the third week of Novem-
 fair for rabi.
1913-The sotal fall was sbove the everage. Anti-monsoon rain was light, Monsoon opened early in Jun eand afforded auffoient moisture for kharif sowings which continued till the end of the month, The fall in July was suffioiont crops. The fall in Septomber was opportune and suffieient and proved benefioial to the ftanding orops. Rabit sowing was commenced and completed though there was practioally no rain in Ootober or November. The erops wers helped by useful zain in Decamber. Season on the whole good.
1914-Rain daring the year largely in excess of the average, Rain in enti-monsoon period was light. Honsoon started in the second weok in June and gave suffoient moisture for kharif sowing, which were commenced briskly evorywhere. In July the fall was more than suffleient enabling completion of the kharif nowings but a brak was desired at end of month. The rain in August though below average was abefal for the standing orops. The
September rain made ap the deficienoy but proved injurious to standing orops. The fall in Oetober was benetial for rabi gowing which was puehed on under favourable rain in November. There was no rain in December. But the rabi oropsthrove well. They were however damaged a little by antimely rain late in the geason. Season on the whole good.
1915-The annusl fall was elightity nbove the average. Anti-monsoon rain practically absent. Monsoon eommenced in becond fortnight and helped the completion of yharif sowinga. The fall in Augusi was light and more rain whe
 however facilitated the sompletion of the rabi nowing. Slight rain in November and Decenber were arsefui for the rabi crops whioh throve well, Season on the whole good.
1916-Annual fall was nearly donble the average. Anti-monsoon rain was dood. Monsoon commenced early in June and vell distributed. There was copious rain in July which facilitated completion of the kharif gowinge. In August the fall was in ercess of the average end e break was neaded to pugh on retarded agrioultural operations. Septemp ber rain was excebsive damesing stending eropa in places but the break towards the ond of the month was neofal,


H 8 42-4

Details of cultivation and crops in the Villages of Dia

B.

Taluka of the West Khandesh Collectorate.


## APPENDIX C .

Details of population according to occupation as per the Imperial Census of 1911 for the táluka of Dhulia, district West Khändesh.

| Agricolturar Population. |  |  |  | Non-sgricultaral Population. |
| :---: | :---: | :---: | :---: | :---: |
| Having interest in land. |  | Labourers. | Total. |  |
| Tenants and subsharers. | Other land-holders. |  |  |  |
| 1 | 2 | 8 | 4 | 8 |
| 49,523 | 735 | 89,206 | 79,464 | 49,683 |
| 38.34 par cent. | -56 per cent. | 22.61 per cent. | 61-52 per cent. | 38.47 per cent. |

## APPENDIX D.

Agricultural Stock of the 185 Government villages in the Dhulia Taluka during the year 1915-16.


Note.-Animala are reckoned as olayes up to the time thoy commence work, if male, or are matrure for breeding, if female.

## APPENDIX E.

Shops, industries and in the villages of the Dhulia taluka, West Khándesh district.

| Group No. | No. of villages. | Liquor shops. | Fand Industries. |  |  |  |  | Mechanical Power. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\underset{\text { presses. }}{\text { Oil }}$ | Cotton loams. | Woollen looms. | Gins, | Sugarcane Mills. | Gins. | Ricehusking machines. | Cotton presses. | Oil machines. |  |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 18 | 最 |
| I $\cdot \ldots$ | 82 | 10 | 21 | 616 | 36 | 18 |  | 17 | $\ldots$ | 8 | 1 |  |
| II | 71 | 5 | 13 | 8 | ... | 1 | 15 | $\ldots$ | ... | ... | $\ldots$ |  |
| III | 32 | 1 | ... | ... | ... | ... | $\ldots$ | $\ldots$ | ... | ... | ... |  |
| Total | 185 | 16 | 34 | 624 | 36 | 19 | 15 | 17 | ... | 8 | 1 |  |

## $\ldots$

APPENDIX F

I 542-5

Wells, Bhudkis, Tanks and other sources of water supply in the 185 Govern

| Group. | No, of villages. | Wells. Bhadkis and the like. |  |  |  |  |  |  |  | ForIrrigetion. $\left\|\begin{array}{c}\text { For drinking } \\ \text { gupply of } \\ \text { hanen beings } \\ \text { Bolely. }\end{array}\right\|$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\underset{\text { irrigation. }}{\text { For }}$ |  | For drinking supply of human beinga but not for irrigstion. ( |  | For cattie and <br> washing and other <br> purposen but not <br> for irsigation or <br> drinking supply <br> of human beings. |  | In disume. |  |  |  |  |  |
|  |  | Palke. 5 | Kacha <br> 4 | Pakle. <br> 6 | Kacha. | Pakka. <br> 7 | Kacha. $8$ | Fallen io or in dis. repair. <br> 0 | Other causes. | Pakka 11 | Kacha 18 | Pakka <br> 18 | Kacha 14 |
| I II III | $\begin{aligned} & 82 \\ & 71 \\ & 5: \end{aligned}$ | 881 417 200 | 190 198 $\mathbf{2 1}$ | 1,206 300 75 | 16 1 1 | 64 30 11 | 5 <br> 8 <br> .. | $\begin{aligned} & 71 \\ & \$ 9 \\ & 1 \end{aligned}$ | 80 61 11 | 8 <br> $\ldots$ <br> $\ldots$ <br> .. | ... <br> ... <br>  | 1 1 | ... <br> ... <br>  |
| Total ... | 186 | 1,578 | 948 | 1,581 | 18 | 10\% | 8 | 114 | 145 | 3 | ... | 2 | ... |
| I | 82 <br> 71 <br> 38. | 1.157 689 948 | 327 283 61 | 1.289 356 79 | 3 8 2 | 29 14 4 | ... | $\begin{gathered} 101 \\ 54 \\ 15 \end{gathered}$ | 89 80 8 | $\ldots$ | $\begin{array}{r}1 \\ \ldots \\ \ldots \\ \hline . .\end{array}$ | $\cdots$ 1 1 | $\ldots$ |
| Total ... | 185 | 1,944 | 69 | 1.716 | 1 | 47 | ... | 170 | 191 | 9 |  | $s$ | ... |
| 1. | 82 | 1.47 | 346 | 1,302 | 10 | 38 | $\cdots$ | 204 | 88 | 2 | $\ldots$ | ... | ... |
| II | 71 | 705 | 988 | 408 | 8 | 80 | 1 | 89 | 48 | ... | ... | 1 | ... |
| HII | 32 | 265 | 90 | 98 | 1 | 19 | $\cdots$ | 25 | 91 |  |  | 1 | $\cdots$ |
| Total ... | 185 | 9,44T | 719 | 1.794 | 19 | 70 | 1 | ${ }^{839}$ | 158 | 2 |  | 2 | ..' |

Abstract of Appendix F. 1912-13.

| District.$1$ | Details. <br> 2 | Wells, Bhudkis and the like. |  | Tankg. |  | Other sources. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pakka. $s$ | Kaobs. <br> 1 | Pakka. <br> 5 | Kacha. <br> 6 | Pakka. 7 | Escha, <br> 8 |
|  | For irrigation ... ... ... ... | 8,447 | 519 | $\square$ | ... | 11 | - 8 |
|  | For drinking supply of human beings, but not for irrigation. | 1.794 | 19 | 1 | ... | $\cdots$ |  |
|  | For cattie and washing and other purposes, esic. ... | T0 | 1 | 1 | 5 | $\cdots$ | 16 |
|  | In diguse ... ... ... ... .. | 393 | 168 | 1 | 1 | ... | ... |
|  | Total ... | 4,643 | 801 | B | 6 | 11 | 19 |
|  | Totals recorded at the previous settlements ... | 2,975 | 117 | ... |  | ; | 6 |

DIX F.
ment villages of the Dhulia Taluka for the years 1896-97; 1902-03 and 1912-13.

\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multicolumn{4}{|l|}{Tants.} \& \multicolumn{8}{|c|}{Other soarees.} \& \multirow[t]{3}{*}{Remarks.} \\
\hline \multicolumn{2}{|l|}{For cattle and Weshing and other purposes but not for irisgetion or
drinking supply of human beings.} \& \multicolumn{2}{|r|}{In disura} \& \multicolumn{2}{|l|}{\[
\begin{aligned}
\& \text { For } \\
\& \text { irrigation }
\end{aligned}
\]} \& \multicolumn{2}{|l|}{For drinking
gupply
haman boinge
solely.} \& \multicolumn{2}{|l|}{For cattle and. werling and other parposes bat not drinking gupdy of human beinga.} \& In di \& bate. \& \\
\hline \begin{tabular}{l}
Pakka. \\
16
\end{tabular} \& Kacha 16 \& Fallen in or in die\(\left\lvert\, \begin{gathered}\text { repair. } \\ 17\end{gathered}\right.\) \& Other oanbes. \& Pakka.
18 \& Kacha
90 \& Palika.
gII \& Kaoha.
88 \& PakEa. 99 \& \begin{tabular}{l}
Kacha. \\
9
\end{tabular} \& Pallen in orin digrepair. \% \& Other canbes \& \\
\hline \(\ldots\) \& \(\ldots\) \& \(\cdots\) \& 1
8
\(\cdots\) \& 8
8
\(\times\) \& ...
\(\cdots\)
\(\cdots\)
.. \& …
\(\cdots\)
\(\cdots\)
... \& …

$\cdots$

... \& | .... |
| :--- |
| ... |
| ... |
| .. | \& 1

7
7 \& ...
...
..- \& ...

$\cdots$
$\cdots$ \& $\}^{\text {Y89ar }}$ (1897. <br>
\hline $\cdots$ \& ...... \& ... \& 4 \& 11 \& $\ldots$ \& $\cdots$ \& ... \& ...... \& 16 \& ... \& ... \& <br>
\hline 1
$\cdots$
$\cdots$
$\cdots$ \& 5
$\cdots$

$\cdots$ \& | 1 |
| :---: |
| $\ldots$ |
| $\ldots$ |
| .. | \& | $\cdots$ |
| :--- |
|  |
| $\cdots$ |
|  | \& | 8 |
| :---: |
| 3 | \& ...

...

... \& | ... |
| :--- |
| ... |
|  | \& ...

...

... \& \begin{tabular}{l}
... <br>
... <br>
... <br>
... <br>
\hline

 \& 4 \& 

... <br>
... <br>
<br>
\hline
\end{tabular} \& ...

$\cdots$
$\cdots$ \& $\}_{\text {Year }}^{\text {Y }}$ <br>
\hline 1 \& 5 \& 1 \& 1 \& $\pm$ \& ... \& $\cdots$ \& ... \& ...... \& 16 \& ... \& ... \& <br>
\hline 1 \& $\cdots$ \& 1
$\ldots$ \& 1
$\ldots$ \& 8
8 \& $\cdots$ \& $\ldots$ \& ... \& ....... \& 5 \& ... \& ... \& $\}$ Year <br>
\hline ...... \& ...... \& ... \& ... \& $\cdots$ \& ... \& $\cdots$ \& $\cdots$ \& $\cdots$ \& 8 \& ... \& ... \& <br>
\hline 1 \& 5 \& 1 \& 1 \& in \& 3 \& $\ldots$ \& $\cdots$ \& ...... \& 16 \& ... \& $\cdots$ \& <br>
\hline
\end{tabular}

## APPENDIX $G$.

Selling value of dry-crop lands in 52 Government villages of the Dhulia Taluka, West Khandesh District.


APPENDIX G-concld.

| $\dot{*}$ |  | 1889-1593. |  |  |  | 1898-1008. |  |  |  | 1800-1917. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Name of Village. | Ares of land bold. | Absessment. | Esice price. | Moltiple of assess- ment re- preaent- ed by theprioe, | Area of lend sold. | Asgossment. | Sale price. | $\left\lvert\, \begin{gathered} \text { Multiple } \\ \text { of } \\ \text { essese- } \\ \text { ment re } \\ \text { progent- } \\ \text { ed by } \\ \text { thodrice, } \end{gathered}\right.$ | Aree of land sold. | Assesf. ment. | $\begin{aligned} & \text { Sale } \\ & \text { price. } \end{aligned}$ | Multiple of assegs- mentre- present- ed by the price. | 安 |
|  | Group III. | A. 8 . | Re. a. | Re. an |  | A. E . <br> 7976 | Rs. a. | Re. a. |  | A. g. | Re. a. |  |  |  |
| 159 | Boris ... |  | 348 | 1,350 0 | 8\%57 |  | 690 | 9.6750 | 48.46 | 7885 | 890 | 1,786 0 | 62:18 |  |
| 161 | Burzad ... | 488 | 818 | 6200 | 84:76 | 161 | 198 | 6500 | 50.00 | 1984 | 100 | 1.0000 | 100.00 |  |
| 168 | Chinctivar ... | 975 | 200 | 4150 | 80.75 | 154 | 60 | 2000 | 38.38 | 498 | 2114 | 1,350 0 | 61.98 |  |
| 184 | Dhandione ... | 508 | 168 | 350 | 81.87 | 8317. | 188 | 3850 | 52.08 | 5485 | 180 | 7000 | 36.94 |  |
| 168 | Lambabeni ... | 7016 | 4018 | 3400 | 8.88 | $\cdots$ | ... | $\cdots$ | ... | 8788 | 170 | 1.0000 | $70 \cdot 58$ |  |
| 171 | Nandre - ... | 5116 | 427 | 1,059 0 | 25-81 | 8180 | 188 | 6850 | 68.08 | 9081 | 488 | 2,900 0 | 69.04 |  |
| 175 | Rami ... | 9898 | 950 | 3550 | 14.50 | 138 | 60 | 1000 | $16 \cdot 66$ | 8812 | 600 | 2,300 0 | 38.38 |  |
| * 178 | Shevre . | $9_{6} 98$ | 508 | 870 | 18.38 | 1617 | 180 | 2500 | 80.85 | 8699 | 386 | 2,935 0 | \%7'83 |  |
| 188 | Ubhend ... | 1538 | 1010 | 4750 | 43.18 | 9 0 | 100 | 600 | 60.00 | 8919 |  | 4,300 0 | 97.78 |  |
|  | Average per acre ... | $\cdots$ | ** | ...... | 919 69 | $\cdots$ | $\cdots$ | ..... | 40.68 | .. | -. | ..... | 64'87 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

## APPENDIX Gr.

Selling value of patasthal lands in the villages of the Dhulia Taluka 1889-98.

| Serial No. in Appendix L. | Name of village. |  |  | Area of land sold. | Assessment. | Sale price. | Number of times the assessment represented by price. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group 1. |  |  |  |  |  |  |  |
| 23 | Dhulia | $\ldots$ | $\ldots$ | $\begin{aligned} & 94-32 \\ & 7-17 \end{aligned}$ | $\begin{array}{r} 34.5 \\ 47 \end{array}$ | 16,460720 | $\begin{aligned} & 47.71 \\ & 15.81 \end{aligned}$ |
| 25 | Gondur | ... | ... |  |  |  |  |
| 26 | Japi | ... | ... | ... | ... | .... | .... |
| 32 | Khede | $\cdots$ | ... | ... | $\ldots$ |  |  |
| 35 | Kusumbe | $\ldots$ | $\cdots$ | $\ldots$ |  | $\cdots$ | $\ldots$ |
| 54 | Nimkhedi | ... | ... |  | 147.2 |  |  |
| 65 | Nyahalod | ... | ... | $20-16$ |  | 4,710 | 82.04 |
| 80 | Var | ... | ... | 9.0 | 48-8 | 835 | $\begin{aligned} & 17 \cdot 18 \\ & 98.59 \end{aligned}$ |
| ... | Average | ... | ... | ... | ... | ... |  |
|  |  | $p 11$ |  |  |  |  | $38.59$ |
| 89 | Bhadane | $\ldots$ | $\ldots$ | 1-17 | 11 | 500 | $45 \cdot 46$ |
| 120 | Mehal Kanedamans | ... | ... | 16-32 | 153 | 2,800 | 18:30 |
| ... | Mehal Raywat | $\ldots$ | $\ldots$ | 8-11 | 97-4 | 1,814 | 18.70 |
|  | Average | Group 1. |  | ... | ... | ... | $19 \cdot 97$ |
|  |  |  |  |  |  |  |  |
| 23 | Dhulia | ... | $\ldots$ | 48-22 | 202-12 | 10,165 | 50.07 |
| 25. | Gondur | ... | $\cdots$ | 87-35 | 177-12 | 6,075 | $28 \cdot 51$ |
| 26 | Japi | $\ldots$ | $\ldots$ |  | $\cdots$ | $\cdots$ |  |
| 32 | Khede | ... | , | 18.2 | 91 | 2.900 | 81.87 |
| 95 | Kusumbe | ... | ... | 24-35 | 134-12 | 4,265 | $31 \cdot 59$ |
| 54 | Nimkhedi | ... | $\ldots$ | $\cdots$ | $\cdots$ | $\cdots$ |  |
| 65 | Nyahalod | $\ldots$ | ... | 9-26. | 65.8 | 2,837 | 48.60 |
| 80 | Var | $\cdots$ |  | 43 | 305 | 8,500 | ${ }^{27.86}$ |
| ... | Average | Group 1 II. |  | ... | ... | ... | 34.53 |
|  |  |  |  |  |  |  |  |
| 89 | Bhadane | ... | $\ldots$ | $\stackrel{\square}{10}$ | $\cdots$ |  |  |
| 120 | Mehal Kanedamana | ... | ... | 28-21 | 240 | 5,195 | 21.64 |
| 125 | Mehal Raywat | ... | ... | - | 208.10$\cdots$ | 7,843 | 30.28 |
| ... | Average | Grout $I$. |  |  |  | ... | 86.12 |
|  |  |  |  |  |  |  |  |
| 23 | Dhulia | ... | $\ldots$ | 58-30 | 352-1 | 31,205 | 88.65 |
| 25 | Gondur | ... | ... | 10-31 | 74-12 | 2,590 | 34.53 |
| 26 | Japi | ... | ... | 16-8 | 136-8 | 7,500 | 55.14 |
| 38 | Khede | $\cdots$ | ... | 10-35 | 77 | 4,335 | 56.29 |
| 35 | Kusumbe | ... | ... | 32-19 | 159 | 9,09 | 61.02 |
| 54 | Nimkhedi | ... | ... | 23-38 | 134 | 4,140 | 30.89 |
| 55 | Nyahalod | ... | .. | 10-27 | 55-6 | 6,315 | 114.81 |
| 80 | Var | ... | ... | 25-23 | 198-8 | 16,600 | 8283 |
| ... | A verage | ... | ... | ... | ... | ... | 6.52 |
|  | Group 11. |  |  |  |  |  |  |
| 89 | Bhedane | ... |  |  |  |  |  |
| 120 | Mehal Kanedamana | ... | $\ldots$ | 18-38 | 219-8 | 11,085 |  |
| 125 | Mehal Raywat | :.. | ... | 21-38 | 291-8 | 15,640 | $59 \cdot 74$ $52 \cdot 36$ |
| $\cdots$ | Average | ... | $\ldots$ | - ... | ... | *... | $52 \cdot 36$ |

## APPENDIX H.

Leases of dry-crop lands in 52 Government Villages of the Dhulia Taluka, West Khandesh District.

|  | Name of villase. | 1880-1888. |  |  |  | 1899-1908. |  |  |  | 1909-1917. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Area or Land leased. | Asaessment. | Rents. | No. of times the assest ment representied by tha rents. | Ares of <br> Land leused. | Assessment. | Rents. | No. of times the assess ment represcnted by the rente. |  | Asbessment. | Rents. | No. of the assessment repreby the rents. | 嵒 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Groud 1. | A. g. | Re.s. | Res. A . |  |  |  |  |  | A. g. | Rs. $\mathrm{m}^{\text {a }}$ | Rs. B . |  |  |
| 1 | Ajang | 5118 | 388 | 190 | $8 \cdot 15$ | T9 8 | 55 | 1840 | 3.34 | 889 | 697 | 858 | 5.15 |  |
| 9 | Ambode | 448 | 378 | 1450 | 3.91 |  |  | $\cdots$ | ... | 65 | 698 | 311.8 | 5.01 |  |
| 5 | Arni | 4584 | 511 | 1650 | $8 \cdot 00$ | 4805 | 560 | 8530 | 4.61 | 5918 | 850 | 5290 | 6:15 |  |
| 18 | Biladi | 10884 | 840 | 1900 | 8.36 | 6438 | 690 | 1650 | 8-17 | $60 \quad 19$ | 510 | 2850 | 5.19 |  |
| 14 | Chinchkhede | 58.8 | 558 | 1940 | 3.58 | 66 - 6 | 495 | 2180 | 4.89 | 024 | 588 | 9120 | 6.00 |  |
| 17 | Deobhane | 6834 | 50. | 0 | 4.48 | 4028 | 288 | 1488 | 508 | 487 | 960 | 3810 | 8.81 |  |
| 98 | Dhulis | 4034 | S6 10 | 9050 | 9.86 | 60 7 | 890 | 4180 | 5.08 | 989 | 1040 | 9880 | $7 \cdot 67$ |  |
| 85 | Gondur | 668 | 6714 | 2380 | $4 \cdot 10$ | 7386 | 600 | 340 | $5 \cdot 66$ | 68 34 | 470 | 3470 | 7.38 |  |
| 58 | Jeni | 434 | 400 | 140 | 3.50 | 6615 | 525 | 8970 | 4.56 | 4889 | 5014 | 38819 | 6.45 |  |
| 50 | Kapaảne ... | $36 \quad 87$ | 60. | 18810 | 3.78 | 4816 | 648 | 989 | $4 \cdot 49$ | 79.38 | 1137 | 8810 | 741 |  |
| 34 | Kgndane Peragane Varkhede. |  | ... | $\cdots$ | $\cdots$ | 45 9s | 3818 | 140.0 | 484 | 5017 | 330 | 2450 | 742 |  |
| 96 | Kusumbe ... | 393 | 348 | 18.0 | 3.67 | 580 | 640 | 2918 | 4.54 | 6980 | 4910 | 368 | $7 \cdot 36$ |  |
| 37 | Mahindale | 4438 | 5714 | 2858 | $4 \cdot 91$ | 788 | 480 | 2978 | 6.18 | $61 \quad 95$ | 7119 | B88 0 | $8 \cdot 18$ |  |
| 88 | Mayane ... |  | ... | $\cdots$ | ... | 6437 | ${ }^{37} 0$ | 1850 | 5.00 | 796 | 710 | 5090 | 716 |  |
| 40 | Mohadi Pargane Dsngri. | 45 28 | 6018 | 1760 | S. 43 |  | 438 | 9060 | 4.79 | 496 | 3519 | 309 19 | $8 \cdot 61$ |  |
| 49 | Makti | 68 91 | 878 | 399 | $3 \cdot 89$ | 68 9 | 744 | 4680 | 6.45 | 8811 | 840 | 6750 | 8.03 |  |
| 46 | Nandave | 6035 | 511 | 1900 | 8.65 | 358 | 888 | 1610 | 5.76 | 36 2 | 290 | 1900 | 6.55 |  |
| 51 | Navxa | 691 | 480 | 1860 | 8.00 | $45 \quad 18$ | 115 | 290 0 | 8.09 | 7816 | ${ }_{88} 0$ | 447.0 | 6.38 |  |
| 69 | Navri |  | ... | .. | ... | 5587 | 870 | 1800 | $4 \cdot 86$ | 4416 | 400 | 2960 | $7 \cdot 40$ |  |
| 55 | Nyehalod | 51 38 | 68. | 1980 | $2 \cdot 88$ | 4981 | 690 | 2410 | 4.08 | 4585 | 440 | 350 | 7-98 |  |
| 66 | Phasane | 66 s | 70 | 2160 | 8.04 | 5915 | 649 | 9650 | $4 \cdot 14$ | 506 | T9 18 | 7130 | 8.91 |  |
| 60 | Sarwad | 4931 | 560 | 1092 | 949 | 6918 | 650 | 8688 | 119 | 4838 | 240 | 1850 | $5 \cdot 62$ |  |
| 68 | Satarne | 989 | g1 0 | 860 | 4.09 | 6615 | 490 | 266 | $5 \cdot 49$ | 8789 | 610 | 4370 | $7 \cdot 10$ |  |
| 67 | Shirdene Paragane Dangri. | ..2 |  | $\cdots$ |  | $66 \quad 3$ | 1190 | 5140 | $4 \cdot 31$ | $6^{63} 88$ |  | $\begin{array}{lll}778 & 0\end{array}$ | 6:82 |  |
| 69 | Songir | 8186 | ${ }^{28} 15$ | 950 | $9 \cdot 65$ | 3918 | 4819 | 1780 | $4 \cdot 18$ | 6 | 610 | 9760 | 6.16 |  |
| 81 | Varkhede | 4838 | 480 | 1160 | $2 \cdot 15$ | 697 | 800 | 2810 | 3.51 | 47 gr | 688 | 3810 | 6.14 |  |
|  | Average | $\cdots$ | $\cdots$ | $\cdots$ | $3 \cdot 48$ | $\cdots$ | $\cdots$ | ... | 451 | $\ldots$ | ... | $\cdots$ | 6.34 |  |
| 68 | Arvi | 4838 | 917 | 920 | $4 \cdot 38$ | $76 \cdot 0$ | 440 | 987 | 6.15 | 10011 | 4811 | 35011 | 6.16 |  |
| 69 | Bhadane | $55 \quad 5$ | 458 | 1478 | 3 26 | 4710 | 4218 | 178 | $4 \cdot 00$ | $85 \quad 25$ | 800 | 6060 | 757 |  |
| 91 | Borkund | 778 | 680 | 2290 | $4 \cdot 40$ | 6116 | 818 | 2370 | 7.64 | 1109 | 4419 | 69313 | 9.25 |  |
| 98 | Borvibir | 7385 | 490 | 1840 | 3.75 | 5688 | 880 | 1880 | 4.99 | 1398 | 588 | 4818 | $7 \times 6$ |  |
| 98 | Chandho | 5926 | 830 | 2018 | 3.06 | 9534 | 650 | 9730 | $4 \cdot 90$ | 2588 38 | 1398 | 7515 | 5.49 |  |
| 07 | Deur Ka. | 79 89 | 618 | 150 | 8.94 | 6618 | 400 | 1980 | $3 \cdot 05$ | 5818 | 418 | 2180 | 6.17 |  |
| 110 | Savathi | 7655 | 586 | 187.0 | 3.68 | 5011 | 5818 | 1480 | 4.48 | 1188 | 890 | 5480 | 6.09 |  |
| 118 | Laling | 4619 | 99 | 1090 | 3.55 | 4383 | 380 | 1750 | $5 \cdot \leq 6$ | 6138 | 880 | 8110 | 7.53 |  |
| 119 | Mahal Kali | 517 | 959 | 1850 | 3.57 | 4588 | 460 | 2xs 0 | 4.96 | $88 \quad 30$ | 725 | 6850 | $8 \cdot 65$ |  |
| 180 | Mahal Reywat ... | 801 | 4113 | 8070 | 4.98 | $\cdots$ | ... | $\cdots$ | ... | 24-19 | 369 | 3010 | 8.36 |  |
| 197 | Mehergaon | 3816 | 1914 | 650 | 3. 25 | 388 | 890 | 1140 | 7.88 | 69 [1 | 340 | 811 0 | 6.30 |  |
| 188 | Moghan | $65 \quad 35$ | 508 | 1670 | 3.34 | 5888 | B9 0 | 1480 | 430 | 9418 | 570 | 1270 | $7 \cdot 49$ |  |
| 180 | Morded | 108 16 | 80 B | 280 | 4.83 | 7888 | 4818 | 904 19 | 6.00 | 5131 | 340 | 3670 | 9.09 |  |
| 13 | Nimgul | 90 88 | 388 | 1340 | 4.18 | 448 | 545 | 2740 | 60\% | 887 | 764 | 8540 | 7.26 |  |
| 145 | Shirud | 75 | 648 | 970 | * 95 | 5781 | 59 | 2120 | 6.34 | 8414 | 5411 | 150 | 8.18 |  |
| 14 | Sukwad Pars. | 68 94 | 58 | 258 | 4.75 | (6) 84 | 5818 | 4470 | 7.57 | 6590 | 440 | 4550 | 10.34 |  |
| 151 |  | 8780 | 688 | 9540 | 4-88 | 64 85 | 418 | 999 | $6 \cdot 6$ | 1678 | 9915 | 8300 | 0.30 |  |
|  | Average ... | $\cdots$ | ... | ... | $8 \cdot 96$ | $\cdots$ | ... | ... | 6.69 | ... | ... | $\ldots$ | $7 \cdot 56$ |  |

APPENDIX H.--concluded.

| Serial No. in Appendix L. | Name of villade. | 1898-1898. |  |  |  | 1899-1908. |  |  |  | 1909-1017. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\left\|\begin{array}{c} \text { Area of } \\ \text { Land } \\ \text { leased, } \end{array}\right\|$ | Afsessment. | Bents. | No. of times the Bssess ment represented by the cente. | Area of Lana leased. | Asserement. | Eents. | No. of times the asceag ment reproBented by the rents. | Aren of 1,and leased. | Absesgment. | Rents. | No. of times the assess ment represented by the rents, |  |
|  |  | *" |  |  |  | $\bullet$ |  |  |  |  |  |  |  |  |
|  | Grown III. | A. B. | Res. 6. | Re. a. |  | A. 8 . | Re. 8. | R.f. $\mathrm{a}_{\text {. }}$ |  | A. 6. | Re. ${ }^{\text {e. }}$ | Rs. ${ }^{\text {a }}$ |  |  |
| 159 | Boris | 6218 | 4018 | 1820 | 4.48 | ..* | ... | .*' | $\cdots$ | 125 80 | 740 | 1140 | 9.64 |  |
| 161 | Burzad | 558 | 4018 | 1770 | 4.31 | 380 | 940 | 1580 | B.75 | $87 \quad 39$ | 488 | 3858 | $8 \cdot 95$ |  |
| 169 | Chinchvar | 6614 | 840 | 1150 | 8•88 | 448 | 8019 | 1160 | $5 \cdot 47$ | $46 \quad 9$ | 250 | 150 | 6.00 |  |
| 164 | Dhand hane | ... | ... | ... | $\cdots$ | $50 \quad 98$ | 2918 | 970 | 3.87 | 684 | 288 | 18414 | 5.48 |  |
| 168 | Lamblsani | 3488 | 856 | 120 | $5 \cdot 00$ | $38 \mathbf{8 4}$ | 880 | 1540 | 6.69 | $76 \quad 85$ | 500 | 5100 | 10.90 |  |
| 172 | Nandre | ... | $\cdots$ | ..* | ... | 6710 | 30 | 186.0 | $5 \cdot 47$ | $31 \quad 18$ | 810 | 2000 | 9.59 |  |
| 175 | Rami |  | $\cdots$ | .. | $\cdots$ | 3895 | 8814 | 1798 | 1622 | 5988 | 466 | 3996 | 7.0 |  |
| 178 | Shevre | 7415 | 3915 | 1810 | $3 \cdot 08$ | 8324 | 410 | 1680 | 4.09 | 8724 | 168 \% | 1658 | 8.54 |  |
| 188 | Ubhand | - ... | ... | ... | $\cdots$ | 448 | 811 | 870 | 4.14 | 9925 | 900 | 1890 | $6 \cdot 10$ |  |
|  | Average | $\ldots$ | ... | $\cdots$ | 8'97 | $\cdots$ | $\cdots$ | .." |  | ... | $\ldots$ | $\ldots$ | 8.78 |  |

${ }_{n}$ PPPENDIX H1.
Leases of patasthal lands ins the villages of the Dhulia Taluka.


## APPENDIX I.

Statement showing the prices prevalent in the Dhulia Taluka from 1888-89 to"191\%.


## APPENDIX J.

Changes in occupied area for 185 Government villages of the Dhulia Tailuka, West $K$ hdmdesh District, into which the Settlement was introduced in the year 1898-99.


APPENDIX K.
Collection of assessment on Government land in the Dhulia Taluka, West Khasndesh Distriet.


APPENDIX L.

L.
scoupied land, Taluka Dhulia, West Khandesh District.


APPEND


L-continued.



L-continutd:


L.


H 542-10

APPEND:


## L-continued.



APPENDIX M.
Population and area of Government unoccupied land in the Dhulia Taluka, West Khandesh District.


APPEDDIX M-continued.


## APPENDIX M-ooncludd.



## APPENDIX N.

The following Selection contains the existing corresponderice relating to the current settlement.

No. CCCLXXV.-New Series.

No. S. R. V. 4 of 1918.
Dhulia, 7 th August 1918.
From

J. A. G. WALES, Esquire, M.A., I. C. S., Collector of West Khándesh ;

To
The COMMISSIONER, Central Division, Poona.

Sir,
I have the honour to forward herewith a report by Mr. J. Abbott, I. C. S., Assistant Settlement Officer, on the second revision settlement of the Dhulia Tàluka.
2. During the twenty years which have elapsed since the last settlement the progress of the tailuka has been remarkable. Land values have more than doubled, rents have increased twofold, the prices of produce have risen fifty per cent.; and 27,000 acres of waste have been brought under cultivation. In normal years the land revenue has been recovered without diffioulty.
3. The gloomy prognostication as to the effect of the Tapti Valley Railway on the prosperity of Dhulia have not been fulfilled. It is not difficult to imagine what effect this Railway might have had on the district town, had not the G. I. P. Railway in 1900 opened the branch line from Dhulia to Chálisgaon. In the old days goods from Dhulia used to take the long road journey to Manmád, and this naturally lowered prices of produce at Dhulia. The increase in the number of gins in Dhulia from 7 to 17 may undoubtedly be ascribed to the improved facilities in communication with Bombay.
4. The advance in prosperity in Dhulia Taluka is even more pronounced than in the Trans-Tapti Tálukas in which the full enhancement permissible by the rules has already been sanctioned by Government. There is therefore no reason to dispute the Assistant Settlement Officer's recommendations of a 33 per cent. increase in this taluka. The grouping of the táluka is on extremely simple lines and the Assistant Settlement Officer has rightly refrained from interfering with existing arrangements.
5. Dhulia is essentially a Kharif taluka and has little irrigated area. The Assistant Settlement Officer's proposals in respect of patasthal lands may be accepted.
I have the honour to be,
Sir,
Your most obedient servant,
J. A. G. WALES.
Through the Settlement Commissioner and Director of Land Records, Poona.

## Below No. S.R.V.-4 dated the 8th August 1918 from the Collector of West Khandesh.

No. S. T.-178.

$$
\text { Poona, } \frac{\text { 6th September }}{\text { 8th October }} 1918 .
$$

Forwarded with compliments and concurrence to the Commissioner, C. D.
2. There has been a very large drop in assessed waste: 55 sq. miles having been transferred to forest and very much taken up for cultivation, only 20 sq. miles now remain.
3. It will be noticed that 11 sq . miles of the occupied land of the taluka are producing nothing, because held by persons who neglect to cultivate it, and 4 more sq. miles by persons too poor to cultivate it. This means 15 sq. miles or nearly enough to feed the taluka lying waste because held by incompetent persons. It will soon become necessary to deal with this economic question.
4. Paragraph 11.-Five annas is quite near enough to the proposed percentage increase in soil rates. There is therefore no objection to using the patasthal rates in this way for their two components.
5. Paragraph 29 (ii). -I do not understand why figures for long term leases need be excluded, provided, of course, that only one year's rent is taken into consideration. We have really no concern with the figures of sales and leases from 1889 to 1898 , and it is not worth compiling them merely to satisfy curiosity.
6. Paragraph 26.-It is evident that the figures of sub-divisions are wrong. It is not pessible that the number of sub-divisions in and before 1913 can have been fully recorded.
7. The Report is clear and full, and there is practically nothing which I desire to criticise or disagree with. I therefore make my remarks as short as possible.

F. G. H. ANDERSON,<br>Settlement Commissioner and Director of Land Records.

Below memorandum No. S. T. 178, dated 8th October 1918 from the Settlement' Commissioner and Director of Land Records forwarding the second revision settlement report of the Dhulia Taluka.

No: B-1447 of 1918.
Poona, 21st October 1918.
Submitted to Government in the Revenue Department.
2. The Commissioner concurs in the proposals made by the Settlement Officer and accepted by the Collector and Settlement Commissioner. Mr. Abbott very sensibly leaves the present grouping and raises rates as far as present policy allows. It is not quite clear why the increase should not simply bè $33 \frac{1}{3} \%$, i.e., one-third throughout. It does not matter whether we call the $\cdot$ maximum rate of Group I Re. 3-10 or Rs. 3-10-8 which is the exact one-third increase. The Commissioner suggests the $33 \frac{1}{3} \%$ increase.
3. The taluka was settled for twenty years in order to see the effect of the Tapti Valley Railway. The Settlement Officer hardly discusses the matter and the Coliector contents himself with thinking that damage has been averted by the opening of the Chalisgaon-Dhulia branch very soon after the Tapti Valley Railway. However this may be, there is no indication that the present grouping has gone wrong, or that the full permissible increase is anything more than very moderate.
C. N. Seddon, Commissioner, C. D.

From

J. Abbott, Esq., I. C. S., Assistant Settlement Officer, Khindesh;

To
The Settlement Commissioner, Poona.
Dhulia, 18th July 1918.
Sir,
In accordance with Order No. 5248 of 27th April 1917, Government of Bombay, Revenue Department, I have the honour to submit for action under section 152, Land Revenue Code, proposals for the resettlement of the two inam villages of the Dhulia Táluka, West Khándesh District.

The existing settlement of these villages, their first revision settlement was sanctioned by letter No. S.-1837 of 13th October 1899 of the Survey Commissioner and by Government Resolution, Revenue Department, No. 9907 of 21st December 1904 was guaranteed so as to expire along with the settlement of the Government villages in 1918-19.

As I have submitted a report upon the Government villages of the Táluka and there is nothing exceptional in the position or circumstances of these Inam villages I think there is no occasion for me to do much more than invite attention to that report for a review of their economic situation. I attach a copy of the last settlement report on these villages, and in the form of brief appendices submit a few special figures illustrative of their present condition.

The Motasthal land in each village is assessed at dry crop rates; it has between 1912-13 and 1916-17 varied in area from 2 to 23 acres in the village of Kauthal and from 3 to 31 acres in Ranmala. Of Patasthal land there is none in Ranmala. In Kauthal there are 228 acres of land defined as patasthal in contrast with 179 acres in 1899 and this land bears a consolidated rate of assessment of Rs. 10. Since 1912-13 however, no irrigated crops have been cultivated on this land ; the Bandhara on which it is dependent has been allowed to fall into disrepair and there is little hope I understand of its repair being executed by the present Inamdar. Remission of țhis patasthal assessment has been allowed by the Inamdar from the date $I$ have mentioned, and under the present circumstances which promise to continue for sometime I think it is hardly necessary to consider the question of enhancing the Patasthal assessment of this land, and therefore I propose to consider this land as jirait land.

In the case of the Government villages $I$ have proposed a dry crop rate of Rs. 3-10-0 for group I in which these Inam villages lie and accordingly I propose the same rate for the Inam villages.

| Village. | Rate. | Area. | Assessment. |
| :---: | :---: | :---: | :---: |
| Ranmala | Rs. a. p. | Acres. | Rs. |
|  | 2120 (old) | 1,074 | 811 |
|  | 3100 (new) | 1,074 | 1,069 |
| Kauthal | 2120 (old) | 1,830 | 1,791 |
|  |  | P 228 | 454 $1,208(\mathrm{~s})$ (w) |
|  | 3100 (new) | 1,058 | 2,959 |

The effect of the enhanced rate is to increase the assessment of Ranmala by 31.81 per cent. In the village of Kauthal the resuit is an increase of 31.80 per cent. over the assessment that is now actually recovered by the Inamdar, but a decrease of Rs. 494 in the Akarband assessment by reason of the cancellation of the patasthal assessment.

Finally I have to propose that the new rate if approved be guaranteed to each village so as to expire simultaneously with those of the Government villages of the Taluka in 1948-49.

> I have the honour to be, Sir,
> Your most obedient servant, J. ABBOTT, Assistant Settlement Officer, Khandesh.

APPENDIX D .

|  | Plough cattle. | Total cattle. | Horses. | Sheop. | Goats. | Ploughs. | Carts. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Kauthal | 62 | 204 | 10 | 101 | 86 | 54 | 60 |
| Ranmala | 74 | 310 | 8 | 179 | 198 | 55 | 40 |

The ploughs are all small. Of the carts 30 in Kauthal and 9 in Ranmala are for passengers.

APPENDIX F.


## APPENDIX K.

Kauthal.-The revenue demand was Rs. 2,009-14-0 from 1899 to 1903-04; in 1904-05 it was raised to Rs. 3,453-8-0 this has remained unchanged. With the exception of Rs. 10 suspended arrears in 1908-09 there have been no arrears and no remissions save of patasthal assessment.

Ranmala.-Revenue demand Rs. 523 from 1899-1902-03; in 1903-04 Rs. 520-2-3; in 1904-05 it was raised to Rs. 814-10-3 in 1910-11 reduced to Rs, 811-6-3 owing to the transfer of land to the Dhulia Municipality. There were outstandings of Rs. 152-8-0 in 1908-09 and of Rs. 127-5-9 in 1911-12. There were no remissions.

APPENDIX M.
There has been no unoccupied assessed land in either village during the current settlement.

The population at the census of 1901 and 1911 was respectively :-

| Kauthal | ... | 718 | 621 |
| :--- | :--- | :--- | :--- |
| Ranmala | .. | 352 | 554 |

First Revision Settlement Report of the Inam villages of Kautala and Ranmala, Táluka Dhulia.

$$
\text { No. } 184 \text { of } 1899 .
$$

From
The Assistant Superintendent, Deccan Revenue Survey;
To
The Survey Commissioner and Director, Land Records and Agriculture. Camp Ankli, Post Chikodi, 13th July 1899.
Sir,
I have the honour to submit proposals for the revision setflement of the

1. Kautals.
2. Ranmala. marginally noted inam villages of the Dhulia Tảluka of the Khándesh Collectorate. These villages were originally settled in the year 1870-71 and 1868-69 respectively.
3. The revision field operations in these villages were carried out under
4. Kantala-Gevernment Resolution No. 2142, the orders contained in the Government
dated 24th March 1889.
Ranmals-Government Resolution No. 377, Resolution noted in the margin and in the years given below against each village:-

| Name of village. | Yearr in whioh <br> rameasured. | Year in whioh <br> realassed. |  |
| :--- | :---: | :---: | :---: |
| Kautala | $\ldots$ | $1891-92$ | $1891-92$ <br> Ranmala |

The above operations were carried out under the partial system.
3. The result of the remeasurement is shown below :-

4. In Kauthal the original classification was found sufficiently accurate and was confirmed in all but 9 numbers, while in Ranmala the whole of the classification was confirmed.
5. In the subjoined statement is shown the distribution of-areas under different heads according to the Revision Survey as contrasted with that of the original survey :-

| Name of village. |  | By original survey. | By revision survey. | Difference, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | More | Less |
| 1 |  | 2 | 3 | 4 | 5 |
|  |  | Acres. | Acres. | Acres. | Acres. |
| Kautala- |  |  |  |  |  |
| Dry crop | . | 832 | 902 | 70 | $\ldots$ |
| Garden | ... | 168 | 195 | 27 | .... |
| Rice | ... | ...... | 14 | ...... | $\cdots$ |
| Unassessed nnarable, etc. | ... | 292 | 148 | ...... | 144 |
| Total | $\ldots$ | 1,292 | 1,245 | 97 | 144 |
| Ranmala |  |  |  |  |  |
| Dry crop | $\ldots$ | 1,067 | 1,083 | 16 | ..... |
| Garden | ... | ...... | ..... | .. ... | ...... |
| Rice | $\cdots$ |  |  | *..... |  |
| Unassessed unarable, etc. | .. | 146 | - 135 | ...... | 11 |
| Total | ... | 1,213 | 1,218 | 16 | 11 |

The position of these villages will be best seen from the map of the Dhulia Taluka; Kautala is situated some 10 miles ngrth of Dhalia on the Panjara river while Ranmala is about 4 miles to the south of that town and is close to the high road from Chalisgaon to Dhulia.
7. In the following statement are given the names of the Government villages by which the villages in question are surrounded together with the
rates applied to the former at the recent Revision Statement of the Dhulia Táluka:-

| Name of village. | Surrounding villages. | The rates of the surrounding villeges. |
| :---: | :---: | :---: |
| 1. Kautala | North-Tamaswadi <br> East-Sukwad <br> South-Patha <br> West-Dhanoor | $2-12$ |
| 2. Ranmala . .. $\{$ | $\begin{array}{lc}\text { North-Sanalda } & \cdots \\ \text { East-Gadutar } & \cdots \\ \text { South-Tanakwadi Tikee } & \cdots \\ \text { West-Audhan } & \ldots\end{array}$ | $\begin{aligned} & 2-12 \\ & 2-12 \\ & 2-2 \\ & 2-12 \end{aligned}$ |

8. It will be seen from the above statement that Kautala is completely surrounded by the I group villages and I have no hesitation in proposing for it the rate of that group, viz., Rs. 2-12-0 I would put Ranmala in the same group and assess it at the same rate. The village is almost surrounded by the villages of the first group and although it adjoins the villages of the III group to the south, it does not suffer from any of the disadvantages of that group. (Please see paragraph 36 of Mr. Maconochie's report No. 40; dated 11th April 1896 of the Dhulia Taluka). There is therefore no justification for applyng to it a lower rate than that proposed above.
9. There is a considerable area of patasthal land in Kautala amounting to 179 acres. The water-supply of this village is excellent lasting throughout the year. I have assessed this area on the Rs. 10 scale which has been applied to other Patasthal villages of this Taluka at the recent Revision Settlement; due allowance having been made for distance from the bandhara in the oase of each field.

There is no patasthal land in Ranmala.
10. There is no rice land in these villages.
11. In the sub-joined statement is contrasted for each village separately the result of the rates proposed above with the revenue under the original settlement:-


The upper line of figures refers to the original settlement.
12. It will be observed from the above statement that in the case of Ranmala the increase resulting from the rates is well within the prescribed limit, while in Kautala the increase is a little over that limit.
13. Should the above rates be approved, I would recommend that they should be guaranteed so as to expire with the Revision Settlement lease of the Táluka.
14. The usual appendices ( Q and O ) accompany this report.

> I have, etc., H. V. SATHE, Assistant Superintendent, Deccan Revision Survey.

Below Mr. Sathe's No. 184, dated 13th July 1899.
No. 1075 of 1899.
Poona, 4th September 1899.
Forwarded with compliments.
2. The village of Kautala being entirely surrounded by the villages of the sanctioned first group, its grouping and rating determine' themselves. As regards Ranmala though it is not "almost" surrounded by the villages of the first group as observed by Mr. Sathe in paragraph 8 of his report, still from the other considerations mentioned by Mr. Sathe, the grouping proposed by him would appear to be unobjectionable.
3. The percentage increase of assessment in Kavthan is 67.7 but exclusive of the new water-rate it is only 34.3 .
4. The original Patasthal rate for Kauthal is Rs. 5 per acre. It is proposed to increase it to Rs. 10 . Under Government Resolution No. 7519, dated 12th December 1881, villages benefitting by the increased supply from the Mukti Tank Works were to be-rated at Rs. 13 per acre. In accordance with this Resolution Government villages of Dhulia, Japi, Nimkhedi and Nyahalod which paid Rs. 8 per acre previous to the issue of the above Government Resolution were made to pay Rs. 13 per acre which rate was increased to Rs. 14 at revision. In 1883, a rate of Rs. 13 was also proposed for Kauthal in pursuance of the orders contained in the Government Resolution quoted above but the increase was disapproved by Government Resolution, No. 13-A.I.- 43 of 2nd February 1885 in view of the terms of the Sanad granted to the Inamdar but as the present report is drawn up from the Inamdar's point of view, the above increase of Rs. 5 is proposed.
5. The proposed period of guarantee is according to standing orders.

> F. YOUNG, Acting Deputy Superintendent, Deccan Revenue Survey.

$$
\text { No. } \frac{\mathrm{S} .}{1652} \text { of } 1899 .
$$

Poona, 16th September 1899.
Returned. Some explanation seems necessary as to the large increase at the revision survey in the unoccupied area of the village of Kauthala and also that in the case of the other village. The Deputy Superintendent is requested to obtain this and forward it with his remarks tojithis office.

W. P. SYMONDS,<br>Acting Survey Commissioner and Director of Land Records and Agriculture.

No. 1241 of 1899.
Poona, 9th October 1899.
Returned with compliments.
2. Copy of Mr. Sathe's explanation is attached. A portion of the increase in the unoccupied area, he admits, is due to a mistake. His explanation* seems to saggest that the mistake was authorised though not by rules now in force. It may however be stated here that the orders on the subject in question have been always the same.
3. A part of the increase due to causes mentioned by him in paragraph 2 of his explanation is in accordance with rules (vide rule 6 of section XIII of Captain Wingate's rules and rule 9 of Chapter II of the Revision Classification rules).

F. YOUNG,<br>Acting Deputy Superintendent, Deccan Revenue Survey.

$$
\text { No. } \frac{\mathrm{s}}{1837} \text { of } 1899 .
$$

Poona, 13th October 1899.
The rates proposed by Mr. Sathe and approved of by you for the alienated villages referred to are sanctioned.

W. P. SYMONDS,<br>Survey Commissioner.

## Below Deputy Superintendent, Deccan Revenue Survey's endorsement No. 1162, dated 22nd ultimo.

No. 285 of 1899.
Poona, 3rd October 1899.
Returned with compliments.
2. The increase under the head of "Government Unoccupied" area in both the villages (Kautala and Ranmala) is due to certain lands originally entered under the head " Unassessed, Unarable, etc." having been transferred to the former head.
3. In the statement under paragraph 11 of the accompanying report the area shown under the head of "Government Un-

|  |  | Aares: |
| :---: | :---: | :---: |
| ${ }^{1} 1$. | Kautalo '... |  |
| 2. | Ranmala |  | occupied "was inclusive of the area* of the lands orders should have been shown as "Unassessed Unarable, etc." The necessary, correction has now been made in red ink.

4. The papers received with the Deputy' Superintendent's endorsement under reply are herewith returned.
H. V. SATHE,

Acting Assistant Settlement Officer, Deccan Revenue Survey.

## APPENDIX 0 .

Revenue Statement for the Inam Village Ranmala situated in the Dhulia Taluka of the Khandesh Collectorate into which the Survey Settlement was introduced in 1868-69. The years above the black line are those antecedent to the Survey Settlement.


## APPENDIX 0

Revenue Statement for the Inam Village Kavtala situated in the Dhulia Taluka of the Khdndesh Collectorate into which the Survey Settlement was introduced in 1870-71. The years above the black line are those antecedent to the Survey Settlement.


## APPENDIX Q.

Effect of Revision Settlememt Proposals on Government occupied̈ land.


Below endorsement No. S. R. V.-4 of 7th August 1918 from the Collector of West Khandesh forwarding Settlement Report of two inam villages of Dhulia Taluka, West Khandesh.

No. S. T.-178.
Poona, 8th Ootober 1918.
Forwarded with compliments to the Commissioner, C.D., in continuation of this office No. S. T.-178 of $\frac{6 \text { th' September }}{8 t h \text { October }} 1918$.
2. The undersigned concurs in the proposals made by Mr. Abbott. His proposal at the end of paragraph 4 results in the abolition of the Patasthal assessment of the village of Kauthal. It is presumed that whenever the Bandhara revives, occasional water rates under seotion 55 of the Land Revenue Code will be levied.

A. M. MACMILLAN,<br>Acting Settlement Commissioner and Director of Land Records.

## Below No. S.T. 178, dated 8th October 1918, from the Settlement Commissioner and Director of Land Records.

$$
\text { No. B. }-1447 \text { of } 1918 .
$$

Poona, 24th October 1918.

## Submitted to Government in the Revenue Department.

2. The proposal to abolish the Patasthal assessment in the village of Kauthal is not in accord with the orders contained in Government Order No. 11926, dated 11th November 1915. These rates should be kept for the period of the settlement and remitted when the supply of water fails.
C. N. SEDDON,

Commissioner, C. D.

# GOVERNMENT of BOMBAY. 

## Reveenoe Depabtarnat.

'Resolution No. 7963.

Bombay Castle, 5th August 1919.

Memorandum from the Commissioner, C. D., No. B.-1447 dated 21st October 1918-Submitting, with his remarks, the papers specified below,* containing proposals for the second revision settlement of the Dhalia taluka of the. Weat Khendesh district.

- Letter from Mr. J. Abbott, I.O.S., Assiigtant Sottlement Officor, Khandeah, dated 8th July 1918 with aocompaniments. Letter from the Oollector of West Khandesh No. S.R.V.-4 dated 7th August 1918 Memorandum from the Settlement Commieaioner and Direotor of Land Records No. S.T.- 178 dated Bth Oatobar 1918.

Memorandum from the Commissioner, C. D., No, B. -1447 dated 24th October 1918-Submitting, with his remarks, the following papers containing proposals for the revision settlement of the two inam villages of Ranmala and Kauthal in the Dhalia tajuka of the West Khándesh district:-

Letter from Mr. J. Abbott, I.C.S., Agsistant Settlement Officer, Khándesh, dated 18th Jaly 1918. Memorandum from the Settlement Commissioner and Director of Land Records No. S.T.-178 dated 8th October 1918.
Letter from the Collector of West Khándesh No. S.R.V.- 4 dated 20 th November 1918-Forwarding, with his remarks, a copy of a petition of objections relating to the proposed revisiọn settlement of the Dhalia taluka.

Memorandum from the Settlement Commissioner and Director of Land Records No. S.T.-178 dated 19th December 1918.

Memorandum from the Commissioner, C. D., No. B.-1447-1918 dated 4th January 1919.

Resolution.-These papers contain proposals for the re-settlement of 185 Government villages in the Dhulia taluka. The current settlement of these villages which was introduced in 1898-99 was guaranteed for a shorter period than usual in order to estimate the influence of the railway communioations upon the trade and agrioulture of the taluka.
2. The Settlement Officer's report indicates' that a very considerable increase in prosperity has occurred during the period of the expiring settlement, and Government are of opinion that the statistics given in the report and its appendices afford full justification for the increase in the assessment which it is now proposed to levy from the villages of the taluka. The appended statement shows the rates now sanctioned for these villages.
3. Government accept the proposals for the increase in patasthal assessment in paragraph 11 of the Settlement Officer's report and also approve of the proposals for the re-settlement of the two inam villages of Kauthal and Ranmala, subjeot to the modifications suggested by the Commissioner, C. D., in paragraph 2 of his memorandum No. B.-1447 of 24th October 1918.
4. The petitions of objections have been fully considered, but they do not disclose any grounds for modification of the proposals now sanctioned.
5. In view of the unfavourable character of the past season whioh has necessitated the declaration of scarcity over the whole district of West Khandesh the Governor in Council is pleased to direct that the revised rates should not be introduced till 1919r20 and should be levied with effect from 1920-21, with the usual guarantee of 30 years.

SHAMRAO D. MANKAR, Aoting Under Secretary to Government.

[P. T. 0.

## 58

To
The Commissioner, C. D.,
The Collector of West Khándesh,
The Settlement Commissioner and
Director of Land Records,
The Accountant General, The Public Works Department,
J. Abbott, Esq., I. C. S., The Government of India (by letter).
The Director of Agricultare,

Statement showing the revised rates now sanctioned for Government villages in the Dhulia tdluka of the West Khdndesh district.

| Group. |  | No. of <br> villagea. | Maximum dry <br> crop rate. |  |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  |  |  |  |  | Rs. | 日. |

[^3]REVISED APPENDIX L,

- 542-0

Effect of Revision Settlement proposale on occupied la


## IPPENDIXL.

Alienated Vollages of Dhulia Tdluka of the West Khándesh District.

V. B. MARDHEKAR,

Superintendent, Land Records, C. D.




## Graph of Prices at Sindkheda

on oscro d



Cation.
Bajri.
Wheat.
sowar:
Note:-Prices from 1875 to 1887 are for Dhulia market.

Sefflement offieer:


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> J. H. GARRETT, Esq., I.C.S.,
> Settlement Officer, Sholapur and Khandesh;

To
The COLLECTOR, West Khandesh.

Sir,
I have the honour to forward my report on the second Revision Settlement of the Sindkheda Taluka of the West Khandesh District.
2. The Taluka contains 168 villages, of which 166 are Government and two Inam. There has been'no change in the boundaries of the Taluka since the first Revision Settlement.
3. The authority for the existing settlement is as follows:-


Position and Physical Features.
4. The Taluka is compact in shape and situated in the central part of the District. It is bounded on the South by Dhulia Taluka, on the West by Sakri and Nandurbar Talukas, on the North by Shahada and Shirpur and on the East by the Amalner Taluka of East Khandesh.
(The River Tapti forms the natural boundary on the North the whole Taluka is drained by feeders of that river. ${ }^{\text {² }}$

The Northern part of the Taluka is flat with a gradual fall towards the North-west. At the North-west corner the Tapti is onlv 400 feet above the sea.

Along the Southern portion the country is broken by hills of low altitude running from the South-east corner to the South-west corner rising to 1,200 feet at the highest point.

The soil along the Tapti is mostly black and deep. It.is well suited to wheat, rabi, jowari, linseed and cotton. Like all deep black soil areas water is not found at workable depths and wells are few.)

The Southern portion is quite different in character. There is no wheat land but blackish soil of good depth with facilities for well irrigation is usually found in all the valleys. The uplands are barren and light, growing only kharif crops.)

Climate.
5. The climate is hot but healthy. There are no forests and no tanks or marshes. Malaria is therefore not very prevalent.

## Rainfall.

6. Appendix A gives the details of the last eleven years' rainfall recorded at Sindkheda.

The greater part of the rain in most years falls during the kharif season from 5th June to ${ }^{14 t h}$ August.

The average fall during these eleven years was 20.78 inches. Thé average for the years 1875 to 1892 was $22 \circ 3$ inches. The inclusion of two bad years in the last eleven accounts for the slight falling off.

The fall in this Taluka is rather irregular. In Pachora and other talukas of East Khandesh the rainfall is heavier on an average and more regular.

The rainfall is more reliable than in the Deccan but less so than in East Khandesh. I shall show later on that the economic condition of this Taluka as compared with East Khandesh and the Deccan very nearly coincides with relative advantages of the rainfall.

This raluka is classified in the Statistical Atlas, 1906, with the Deccan Transition Tracts as "less liable to famine." This is correct as far as it goes, but I consider that within this classification Pachora and other East Khandesh Talukas take a higher place than Sindkheda.

The short period of eleven years includes the bad year 1911 and the disastrous season of 1918.

As regards local distribution within the Taluka, 1 find no evidence of inequality. A rain-gauge has been maintained by the Public Works Department at Chimtane since 1914 but the records are incomplete and cannot be used. Another raingauge at Songir (Dhulia) is useless for the same reason.

My local inquiries do not support Mr. Pitt's view that "the climate of the Northern and Eastern portions of the district is better and more certain than that of the villages in the South and South-west." I consider that the superiority-of the North and East lies in the soil and nothing else.

## Crops.

6A.-Appendix B gives the- details of crops. The period of five years for which the average is given includes one abnormal year 1918-19. It. was marked by the failure of rabi rain. In Group I which contains most of the rabi land the variation from the preceding year is shown in the following table:-

$$
\begin{array}{ccccc} 
& & \text { Year. } & \text { Fallow. } & \text { Wheat } \\
\text { Group 1 } & \cdots & 1917-18 & 3,259 & 3^{2,595} \\
& 1918-19 & 3^{2,324} & 2,331
\end{array}
$$

In other Groups the five years show no great variation and the average is near enough to be regarded as the normal. But in Group I the normal area of fallows and wheat differs by a large amount from the average of the quinquennium. The total for the whole Taluka is also modified by this exceptional year.

Cotton is, in all Groups, the principal crop. It covers 44.44 per cent. of the gross cropped area. At the first Revision cotton covered only $35^{\circ} 48$ per cent. of the gross cropped area.

Next in importance is bajri, 68,142 acres, 29.4 per cent. This is a decrease both in area and percentage since the first Revision 34.05 per cent.

Wheat comes third with 17,706 acres 7.65 per cent. This would but for the disaster of 1918-19 have been nearly equal to $13^{\circ} 5$ per cent. at the first Revision.

Jowari is of less importance but with 15,967 acres 6.60 per cent. shows an increase over the first Revision Settlement of about 50 per cent. The jowari is grown as a kharif crop.

The Taluka has a considerable surplus for export. The cotton of course is purely a money crop while the wheat is largely exported.

Fallows, which include not only fallows proper but grass land and all land unsown for whatever cause, have remained stationary at $6 \cdot 31$ per cent. as against 6:2 per cent. But the normal area of "fallow" would be much lower, but for the exceptional year 1918-19. There is evidently an improvement since the first Revision. Retational fallows are hardly necessary in this Taluka and such land as is classed as fallow is either poor land kept for grazing or land left unsown for various occasional reasons such as unfavourable rainfall, disputes or negligence.

## Irrigated Crops.

The_average irrigated area for the quinquennium preceding the first Revision Settlement and for the latest quinquennium are as follows:-

|  |  | 1886-87 ${ }^{\text {to }} 1890-91$ | I |
| :---: | :---: | :---: | :---: |
|  |  | Acres. | Acres. |
| Average area irrigated | ... | 2,551 | 5,213 |

The increase in irrigated area is a satisfactory sign. The increase is entirely due to the construction of new wells. The area irrigated from Government
canals has decreased from 768 to 604 areas. It will be seen from paragraph 16 that the increase in well irrigation bears a close relation to the increase in the number of wells.

The percentage of irrigated crops to dry crops is 2.30 . This is a low ratio. But in a tract where rainfall is fairly regular and cotton is the staple crop, the cultivator does not feel the same stimulus as in a region of precarious rainfall. Cotton; bajri and jowari are never irrigated in this Taluka. Wheat, rice, gram, and garden crops, such as chillies, spices and vegetables, are the principal irrigated crops.

## 'Husbandry.

7. In my report on Pachora Taluka I commented on the industry and skill of the agriculturists. The results of careful tillage are clean fields and retention of moisture. It is reputed that the Sindkheda cultivator is inclined to be lazy. I do not know how far this accusation is just. But whatever the cause, the tillage in this Taluka is less thorough and careful than in Pachora. There is a good deal of deep-seated 'Kunda' grass in the better soils, while ploughing, harrowing and hoeing is done less thoroughly than in Pachora. The condition of agriculture appears to be intermediate between the best of Khandesh and the precarious Deccan areas. My view is that the greater the certainty of the rainfall, the more willingly does the cultivator put work into the soil.

As for improvements in agricultural. implements, practically nothing has been done. The local Agricultural Society has seven iron ploughs which are let on hire, but according to my information, no private person has bought one as yet. There is great scope for improvement and modern methods of agriculture are hardly touched.

## Communications.

8. At the time of the first Revision Settlement the Taluka had only two principal roads (1) the Agra Road running through the Eastern part and (2) the Songir-Nandurbar road running from South-west to North-east. There was also a short length of the Dhondaicha-Shahada road.

During the lease the chief improvements have been:-
(I) Sindkheda-Chimtana Road.
(2) Sindkheda-Gorana Road.

The construction of a high level causeway over the Borai River at Chimtana is a considerable help to traffic.

The rest of the Taluka is accessible by country tracks throughout the fair season. There is no difficulty for carts even in the villages of the III Group.

The external traffic of the Taluka at the time of the first Revision Settlement passed entirely through Dhulia. Thence it reached the railway at Chalisgaon or Manmad. New conditions have arisen by the opening of a branch line from Chalisgaon to Dhulia and still more by the construction of the Tapti Valley Line running from Surat via Amalner to Jalgaon. The Tapti Valley Railway traverses the whole length of the Taluka from South-west to North-east.

There are five stations in the Taluka. Of these Dhondaicha, Sindkheda and Nardana are important goods stations. There is heavy traffic still with Dhulia. But the saving in time, expense, labour and oxen is enormous. While the protection against famine and fodder scarcity is now complete. Practically every village is now, within so miles of a station. At the first Revision Settlement Chalisgaon, the nearest' station, was from 55 to 100 miles distant from the villages of this Taluka. There is no exaggeration in saying that the conditions of the Taluka have been radically altered by the opening of these railways.

## Markets and Fairs.

9. There are weekly markets at Nardane, Sindkheda, Warshi, Betavad, Dondaicha, Virdel, Chimtana and Malpur. The influence of the railway has raised several of these (Dondaicha, Nardana and Sindkheda) to trade centres of more than local importance. The others are used by the villages of the neighbourhood for their regular supplies.

As a trade centre Dhulia is so important that it still attracts considerable part of the trade of this Taluka. Large quantities of cotton are sent here instead of being dealt with in the local markets. The carts naturally bring back goods from this great markel. The Taluka is quite well off for markets and as the cultivator has a choice of outlets for his produce he is able to secure fair prices.

There are several fairs in the Taluka but these are of no economic importance.

## Imports and Exports.

10. The Tapti Valley Railway which runs through the Taluka is worked by the Bombay Baroda and Central India Railway. This Railway does not supply the full and detailed information which I have been able to obtain about stations on the G. I. P. Railway in other talukas.

The following statement gives the total exports from stations in the taluka:-
Exports.


The figures for Dondaicha are swelled by the produce of Shahada Taluka. Perhaps $\frac{1}{3}$ of the total may be taken as the share of the Sindkheda Taluka. The exports from Sindkheda and Nardana are almost entirely local produce. Nardana is the station for Shirpur Taluka but Shirpur has an outstation with separate booking for goods. Betavad is a small station situated in the Amalner Taluka which is about three miles from Betavad village.

The above figures of export do not cover the whole produce of the Taluka as large quantities of cotton are despatched from Dhulia.

The principal exports are cotton, cotton seed, wheat and til. The cotton goes not to Ahmedabad as one would expect, but to Bombay, and thence mostly to Japan.

No figures of inward traffic are available.
I regret that the information about exports and imports is so imperfect that no deductions can be made.

## Manufactures and Industries.

in. The Taluka has no manufactures and no industry other than agriculture and its subsidiaries.

Appendix E shows that there are 9 steam ginning factories and 4 cotton presses. At the time of the First Revision Settlement there were only 3 steam ginning factories and no presses. Much of the ginning was done by hand. Hand ginning is now obsolete. The opening of so many new ginning and pressing factories is the direct consequence of the construction of the Railway. The hand gin is now used only for extracting seed for sowing purposes.

## Population.

12. The population of the taluka is as follows :-

| Villages. | Population. |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1891. | 1901. | 1911. | 1921. |
| 163 | 73,385 | 76,8i1 | 89,754 | 91,634 |

The increase in population during the lease has been continuous. This increase in a purely agricultural tract is remarkable and indicates prosperity.

The density of the population is 18 r per square mile. This exceeds that of any other taluka of West Khandesh.

The additional population can find regular employment in agriculture. There is no new land fit for cultivation but the produce of the present occupied area can be increased in even greater ratio than the rise of population. No doubt the opening of the Tapti Valley Railway has much to do with the increase in population.

## Schools and Education.

13. Education in the Taluka is very backward. There is no urban population while the rural population is entirely without interest in education. There are only 120 girls receiving education. This is a sure sign of the indifference of the people.

As for the boys, there are now 52 schools as against 20 at the time of the First Revision Settlement. The number of pupils has risen from 1,163 to 2,165 . The figures are discouraging. It is even more discouraging to remember that perhaps only one-fourth of these boys ever become literate in the true sense. As long as this state of affairs continues there is not much hope that improved methods of agriculture will gain any hold.

## Heallh.

14. During the last 10 years, 1911 to 1920 the number of births was 47,573 and of deaths 40,836 . These figures give a natural increase of 6,737 . The increase according to the census of 1921 is only 2,480 . The difference is no doubt due to defects of registration. There were outbreaks of plague in 1916 and 1917 in which over 4,000 persons died. In 1918 there was a serious epidemic of influenza which carried off about 6,000 . In spite of these epidemics the population increased by 2.78 per cent. and is now greater than ever before.

> - Live and Dead Stock.
15. Appendix $D$ gives detailed figures of live and dead stock by groups at five yearly intervals from 1891. There have been fluctuations of considerable magnitude but the stock of cattle has at no time been seriously depleted and seems to return quickly to a normal level.

The following statement contrasts the figures of 1891 with those of 1921 .


These figures show that the stock of male cattle and ponies has remained constant during the last 30 years. Other cattle have decreased in numbers. In a tract which is not suitable to cattle breeding it is important that the quality of the working cattle and milch animals should be kept up. Vast herds of underfed cows are of no use to any one. I therefore consider that the number of cattle is great enough and see no reason to regret the reduction in the number of milch cattle and young.

The increase in the number of carts by 19 per cent. is remarkable. With the opening of the railways there has been a great reduction in the cart mileage required. More than one-third of the number are passenger vehicles (chakdas). It is clear that the increase is a sign of prosperity.

I consider that the cattle of this taluka are of useful breed; there are perhaps fewer of the very fine and expensive oxen which are often seén in Pachora but the general level is.decidedly better than that of the Deccan.

The Sindkheda Taluka is not a cattle breeding area. Mast of the cattle are imported from Malwa and the supply is adequate. There are no large grazing areas so that cattle breeding cannot be successfully developed here.

## Water Supply.

16. Appendix F gives the details of artificial sources of water for the year 1912-13. Information under this head is collected decennially so that later figures are nót available.

The figures for 1891 and 1913 are contrasted below:-
Number of Wells and Budkhis.


This increase by over 50 per cent. in the number of wells is a remarkable indication of progress. If later figures were available there can be $\mathrm{n}_{\mathrm{o}}$. doubt that the increase would be still more striking.

Except in the wheat growing tract in the Northern part of the Taluka water is generally met with at moderate depths. For domestic purposes the water of the Tapti, Panjhra and other streams is generally used. .In all parts the supply is adequate.

There are no Tanks, suitable for irrigation. The eight Tanks mentioned in Appendix F are very, small and retain water only for part of the year.

The Lower Panjhra River Works are the only source of canal irrigation. The ayerage area irrigated is 568 acres, chiefly in Betavad and Valkheda.

## Agriculturists and Non-Agriculturists.

"17. The following statement gives the area of land held by agriculturists and non-agriculturists:-

|  |  |  | Land held by |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Agriculturists. |
|  |  |  |  | Non-Agriculturists. |  |

The proportion of land held by agriculturists is unusually high as the follow.ing figures show:-

Taluka.

| Sindkheda | $\ldots$ | $\ldots$ |
| :--- | :---: | :---: |
| Shirpur | $\ldots$ | $\ldots$ |
| Shahada | $\ldots$ | $\ldots$ |
| Amalner | $\ldots$ | $\ldots$ |
| Dhulia | $\ldots$ | $\ldots$ |

Percentage of occupied
land held by Agriculturists in 1916-17.
... 90.46
... 7791
.. 82.90
$\begin{array}{ll}\ldots & 82.90 \\ \ldots & 89.09\end{array}$
... 83.94

The deduction which I think may be drawn from these figures is that the Sindkheda cultivator has been well able to withstand the Savkar and is generally solvent.

## Sales of land.

18. With the help of the Record of Rights local inquiry gives very accurate information about the value of land. In Appendices G \& G-l I have collected figures of sales of land during the last few years. The greater part of the statistics relate to 1919, 1920 and 1921 and none are earlier than 1916.

In recording these transactions genuine cash sales only are accepted. By inquiry in the village I have weeded out all sales in which the consideration is wholly or partly old debts, sales which are subject to oral conditions, sales which include house property or building sites and any other doubtful cases.

The figures of sales collected at the time of the First Revision Settlement are only roo in number and taken from the Registration records. The average price was 17 times the assessment according to the Original Survey. This is equivalent to only 13 multiples of the. existing assessment. According to the figures now obtained the multiple for the whole taiuka is 97 . Exact comparison is of course impossible but rise in the sale value is between 500 and 600 per cent. Part of this increase is due to the rise in the value of produce. But the chief reason appears to be that throughout the period of the Original Lease waste land was being steadily brought under cultivation, Even at the time of the First Revision Settlement there were 21,673 acres of cultivable waste available. The price of land therefore remained very low. Now there is hardly any waste land fit for cultivation left. This condition has naturally caused the sale prices of land to rise. The increase in wealth which has occurred during the current lease made the demand effective. It is the practice to invest all savings in land. The net return on land purchased at present price is about 6.7 per cent. to a non-agriculturist and $13^{2}$ per cent. to an agriculturist who cultivates the land himself. Considering the many advantages of land as an investment the yield is decidedly high.

As compared with rental value the price of land is rather low. In a period of rather unstable prices of produce when the tendency, as in recent years, is upward, sale price of land tends to lag behind rental value. This is of course due to the fact that a purchaser takes care to leave a margin for a possible drop in the future while a tenant usually has to look only a year ahead and takes the current prices of produce as the standard on which he bases the rent he is prepared to pay.

1 have discussed the question of sale price at some length as it may be argued that the enormous rise in price is a handicap to prosperity. I have shown that the price of land could rise still higher without ill effects, while the increase in the capital value of landed property is surely no evil.

I do not rely on sale value of land as a basis for discussing the pitch of assessment. The sale value of land is useful as an indication of the general level of prosperity. Low sale values in a fully developed area indicate a general want of capital and low standard of prosperity. High values, if within the limits yielding a fair return on capital, indicate a strong and effective demand-a sure sign of general prosperity and affluence.

I will now proceed to the question of whether the selling value of land is marked by local variations and if so what deductions should be drawn as to the grouping.

Taking first the cases of villages where sales average less than 50 times the

| Khandvay. | Kalvade. |
| :--- | :--- |
| Jhirve. | Kevde. |
| Jhotvade. | Kholaj. |
| Dondaich | Chorvihir. |
| Pathare. | Dhavde. |
| Vikhran. | Sondle. |
| Anjanvihire. |  | assessment there is distinct concentration of these villages in the West of the Taluka; 10 of the $I_{3}$ villages are within 8 miles of Dondaicha. Other villages in this radius are also lower than the general level of the Taluka. The average sale price for the in villages is 42 multiples of the assessment and letting value 3.9 multiples. Both selling price and letting value in this tract is therefore much below the average of the Taluka. These figures are certainly to be considered and I shall discuss their bearing on the grouping later.

As for the sale prices in groups I and II it appears that the lower group is more lightly assessed than group I. All along the border of the two groups the villages of group II show a higher sale value than the villages of group I. This also has a bearing on the question of groups and will be discussed further.

## Leases.

Appendices H and H-I contain statistics of leases. The information was collected from V. F. No. XII and every case was verified by local inquiry. The
object of the inquiry is to ascertain the true market rent of land. All cases have been excluded where the tenant is the landlord's debtor, where there is an agreement by the tenant to purchase the land and where the parties are members of one family. I have also had to exclude leases of Raul Inam land. The Rauls have tenants of old standing from whom they recover a percentage above the judi but do not levy anything like the full economic rent.
In the Sindkheda Taluka crop-share rents are more usual than cash rents, but a substantial number of leases are for cash. The statistics are not enough to make differences between single villages. Rents are subject to accidental and occasional variations. Reasonable deductions can be made if the number of villages taken together is large enough to neutralise these accidental variations.
(The rent is on an average $5.8_{5}$ multiples of the assessment) 'There is practically no difference between groups I and II. No cash rents were found in the three small villages of group III. Thus the share of Government is little more than one-sixth. If the assessment were increased by the full amount of 33 per cent. Government would be taking less than one-fourth. It has been held by the Government of India that the assessment should not exceed half of the rent. The assessment is very moderate.

The following table facilitates comparison with adjoining Talukas :-

|  | Taluka. |  | Number of times the <br> assessment represented by <br> the rent (dry crop land). |  |
| :--- | :---: | :---: | :---: | :---: |
| Sindkheda |  |  | $\ldots$ | $\ldots$ |
| 5.85 |  |  |  |  |
| Shahada | $\ldots$ | $\ldots$ | $\ldots$ | 4.84 |
| Shirpur | $\ldots$ | $\ldots$ | $\ldots$ | 6.69 |
| Dhulia | $\ldots$ | $\ldots$ | $\ldots$ | 6.98 |
| Amalner | $\ldots$ | $\ldots$ | $\ldots$ | 6.64 |

It is seen from the above figures that Sindkheda takes a place midway between Shahada on the one hand and the talukas of Shirpur, Dhulia and Amalner on the other.

At the First Revision Settlement, Mr. Pitt took a few statistics of leases from the Registration Department. The figures are very meagre and owing to the absence of local inquiry are of no use for comparison with the present statistics. The average rent amounted to 3.30 multiples of the assessment according to the Original Settlement which is equivalent to $2 \cdot 50$ multiples of the exising assessment. It is certain that rents have risen very greatly during the lease.

As regards indications of local inequality of assessment $I$ find no marked differences between villages on the border line between groups I and II.

There is however an indication that in the villages in the half circle South of Dondaicha the assessment bears a higher percentage to the rent than in other parts. I have discussed this point in the preceding paragraph.

Indices.
In the last column of Appendix H are given "Indices". An explanation of these indices is given in Survey and Settlement Manual, Volume II, page 397. I-consider that indices must be used with caution in this taluka as cash rents are not the predominant rents. I would exclude consideration of single villages altogether.

In Group I the index is Rs. 8-0-8 and in Group II Rs. 6-3-6. This supports the view that the assessment is at present very light-less than half the assessment that could be safely imposed. It also helps to show that two groups are desirable.

Further as I propose a division in the existing Group II it is useful to see the index for the two portions. In the Western portion which I propose to retain in Group II the index is Rs. 4-11-10. In the Eastern portion which I propose to amalgamate with Group I the index is Rs. $7-5-5$. This confirms the necessity of the proposed division.

## Crop Experiments

19. The statement gives crop experiments made by l'rant Officers under the control of the Agricultural Department.


The information makes it clear that the assessment is extremely light.
Prices.
20. The course of prices of the principal produce is given in Appendix I. A graph prepared from these figures is also appended. The prices of jowari and bajri fluctuate violently according to the local variations in the seasons. Being substitutes for one another, their curves are similar. Wheat follows the general lines of the jowari and bajri curve, but is steadied by the influence of world-prices. The general trend of prices can be seen from the following statement:-

| '. Period. |  | Jowari. |  | Price of produce in Seers per rupee. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Bajri. |  | Wheat. |  | Cotton with seed. |  |
|  |  |  |  |  |  | Sr. | ch. | Sr. |  |
| 1882 to 1891 | $\cdots$ |  |  |  |  |  | 4 |  |  |
| 1898-92 to 1901 | $\cdots$ |  | , | 17 | 6 | 18 | 13 | 7 | 9 |
| 1902 to 2911 | ... |  |  | 15 | 2 | 9 | 13 | 5 | 7 |
| $19^{12}$ to 1921 | ... |  |  |  | 7 | 7 | , | 4 | 6 |

N.B.-Prices for the first derennium are of Dhulia market. The prices for the other periods are of Sindkheda market.

The rise in prices has been steady and continuous during the lease. Jowari has risen by isi per cent. ; wheat by 130 per cent. Figures for bajri are not available.

It is important to know the course of prices of cotton, both owing to its preponderating area and to its being a money crop. Unfortunately the prices recorded before the first Revision Settlement relate to ginned cotton, while the prices now recorded are for unginned cotton. It is seen from Appendix N of Mr. Pitt's Report on the first Revision Settlement that cotton hardly varied in price during the last 20 years of the Original Lease. During the next 10 years there was slight fall in prices, while the last two decades of the current lease have shown a marked upward tendency. At the present time cotton though not at its highest point is about 100 per cent. above the price prevailing at the beginning
of the lease. By inquiry, of merchants I find that the average price of ginned cotton (Pachora Market) was from I to $1 \frac{1}{2}$ seers per rupee in 1921. This rate is higher than that recorded during the American Civil War. It is therefore clear that cotton, like other produce, has risen in far greater ratio than the maximum permissible increase in assessment. In other words, if the assessment were increased by the full 33 per cent., the share of the produce to be taken by Government in the form of assessment would be far less than at the beginning of the current lease.

## Wages.

21. The Sindkheda Taluka is remote from industrial centres and migration to cities is not usual. It is therefore to be expected that wages will be found to be low.

Exact figures are difficult to obtain as wages vary according to the season and local rates vary from village to village according to the supply available on the spot. Owing to the unwillingness of the field labourer to work away from home there are great inequalities.

The prevailing rate of daily wages for agricultural labour is from 4 to 8 annas. My inquiry leads me to think that 4 or 5 annas a day is the usual rate during the slack season and 5 to 8 annas during the busy season. Taking the average for the year 6 annas a day is the commonest daily wage.

Many labourers are employed by the year. The cash given may be Rs. 50 to 60 and food is provided by the employer. Others are employed at from Rs. 100 to 150 without food.

No figures of wages are given in Mr. Pitt's report, but from the Gazetteer of the Bombay Presidency, Volume XII B, I find that wages at Dhulia were about Rs. 6 to' 7 per month or annas 3 to $3^{\frac{1}{2}}$ per diem. Wages have therefore risen about 100 per cent. during the lease.

Generally speaking there is no unemployment and no scarcity of labour.

## Revenue History.

22. Appendix $K$ gives the figures of demand, remission and suspension. The amount of remissions given owing to crop failure is negligible. Suspensions on a large scale were given in 1918-19 and 1920-2 I owing to bad seasons.

Ordinarily the land revenue is recovered without any difficulty.
In Appendix $M$ the figures of assessed waste land are given. At the beginning of the lease 16,782 acres were unoccupied. This area is now reduced to 8,917 acres. There is now very little land left for occupation. Most of this waste land is of the poorest quality and is more useful for cattle grazing than for cultivation.

## Grouping.

23. Before the first Revision Settlement there were no less than 9 groups with maximum rates varying from Rs. 14-0 to Rs. 2-8-0. This excessive number of groups was due, as Mr. Pitt points out, largely to the fact that the villages of the taluka were not all settled at one time.

Mr Pitt reduced this patchwork to two large groups, with a small third group containing three villages only.

Mr. Pitt states that he proposed these groups on considerations of "climate and communications, bazars and other elements." As regards communications, and markets, nearness to Dhulia was then of prime importance as it was the only outlet for external trade. The Survey Commissioner made this point clear in his review; but he accepted Mr. Pitt's grouping on the ground that the climate of Group II was inferior to that of Group I and that this outweighed the advantage of nearness to Dhulia enjoyed by part of Group II. As there is no statistical proof that the rainfall of Group II is inferior to that of Group I there was considerable difficulty in justifying the grouping. Mr.. Ozanne felt the difficulty and has given reasoned arguments in support of the grouping (vide para. 2 of his letter on page 105 of Selection CCLXXIII). He supports the grouping by arguing that the rainfall of Group I is more suited to the soil than the rainfall of Group II. But he evidently felt that the Grouping was perilously near to the error of placing the better lands in the higher group.

At the present time the situation has changed radically owing to the opening of the Tapti Valley Railway. Dhulia is no longer the only market for exports. Dhulia still takes a good deal of the Sindkheda cotton, but there are now three important centres in the Taluka from which produce is exported direct. These centres being all in Group I the present grouping has, by chance, become easier to justify. There is still the difficulty that rainfall statistics are available only for Sindkheda town.

The statistics of sales and leases seem to show that the present grouping gives Group II a slight advantage. With the railway running across the taluka and every village within easy reach of that railway I should certainly favour a single group for the whole taluka. But there is a sector with an 8 miles radius from Dondaicha where the assessment is relatively rather heavy. Some villages in this sector are hilly and general reports seem to show that the rainfall is rather uncertain here. In this sector I include the 3 villages of Group III although there is very little information about them available. These three villages are situated in a hilly tract and are rather badly off as regards communications. They are certainly fit to be placed in the lowest group of the taluka, but there is no justification for giving them any preference over the villages adjoining them.

Owing to the evidence of the low selling and letting value of land in the villages adjoining the present Group III, I propose to extend this group and to amalgamate it with Group II. The Eastem part of Group II can be amalgamated with Group I. In the lower Group I propose to retain the villages in the SouthWest corner of the taluka. These villages have no made' roads and are the most remote from the railway. Jondaicha itself must remain in the higher group as it is an important market and has a railway station and made road. The village Pathare may also remain in the higher groups as it has easy access to market. The boundary between the groups should follow its existing line from Nandurbar border as far as Sakode and thence due South to the Dhulia border. The other villages which are now in Group II have good and easy access both to the railway at Sindkheda and Nardana and also to Dhulia. These villages can safely be placed in Group I. The statement of sales and leases confirms the justice of the proposed change in groups:-

Statement of Sales and Leases according to proposed new groups.

| $\cdots$ | $\begin{aligned} & \text { G. I, } \\ & 177 \text { villages. } \end{aligned}$ | New G. II, 24 villages. | Villages of old G. 11 proposed for transfer to G. I, 25 villages. |
| :---: | :---: | :---: | :---: |
| Sales. |  |  |  |
| (Multiples of assessment represented by price. | 96.23 | 66.94 | ${ }^{1} 34.95$ |
| Leases. |  |  |  |
| (Multiples of assessment represented by rent). | 5.85 | $4 \times 47$ | 6.98 |

These figures show that the villages in the Western half of the existing G.II are much less properous than those in the Eastern half. In this way the number of groups will be reduced from 3 to 2 . In a Taluka like this where there is no very marked difference in climate, and communications are good and evenly distributed, I see no way of justifying the present grouping. Undoubtedly the wheat tract along the Tapti is rich-and prosperous but the dfference in the soil should not be allowed to influence the grouping. With the present grouping it is impossible to avoid the feeling that the quality of the soil had some influence on the Settlement Officer who, prepared the report on the First Revision Settlement.

The proposals about grouping may be summarised as follows :-
(1) The Taluka is now well provided with local markets, railway and communications.
(2) There is no evidence that the rainfall is better in one part than another: local inquiry tends to show that the rainfall in the villages South of

Dondaicha is slightly inferior. Not much reliance can be placed on this as popular view confuses good soil with good climate.
(3) Nearness to Dhulia is no longer of much importance as the Tapti

Valley Railway now affords all conveniences for export and import.
(4) The evidence of sales and leases shows that villages South of Dondaicha are less well off than the rest of the Taluka.'
(5) There is no reason to retain 3 small villages in a third group.
(6) The Western part of Group II is inferior to the Eastern part and should properly be united with Group III.
(7) The Eastern part of Group II is in all respects equal to Group I and should be merged into it.

## Maximum Rates.

24. The existing maximum rates are as follows:-

| Grdup. |  |  | Villages. | Maximum Rates. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Rs. | a | p. |
| I | ... | ... | 115 | 2 |  | 0 |
| II |  | ... | 48 | 2 |  | 0 |
| III | $\ldots$ | ... | 3 | 1 | 8 | 0 |

The great difference in rates is due to the fact that the original settlement was made at different times and at the First Revision Settlement it was found impossible to reduce the differences without loss of legitimate revenue.

During the lease, prices have risen by more than too per cent. communications have improved in unmistakeable fashion, markets have improved and the resources of the people both in live and dead stock are better than ever before. The recovery of the present assessment is made without difficulty. The whole cultivable area is occupied; the land still remaining nominally as assessed waste is of the poorest quality, averaging only 004 per acre. This land is best kept for grazing or communal use. The selling and letting value of land is high. All the evidence shows that the assessment is light and that an increase of 33 per cent. will cause no hardship to the cultivators. An increase of even 100 per cent. would hardly bring the tax back to the real level of 1893.

If the present grouping is kept unchanged maximum rates of Rs. 3 -10-0, $2-13-0$ and $2-0-0$ will be proper.

I have discussed in the preceeding paragraph the objections to the present grouping and I do not think that the present opportunity reducing the anomaly should be lost.

The rates which I propose are:-

|  |  |  |  | Rs. a. p. |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Group 1 |  |  |  |  |  |
| Group II | $\ldots$ | $\ldots$ | $\ldots$ | 3 | 6 |

The increase proposed in group $I$ is very moderate in the case of the villages of the old group I being oniy $22^{\circ} 7^{2}$ per cent. In the case of the 26 villages transerred from group II to group I the increase is 58.82 per cent. This is rather heavy but within the permissible limit of 66 per cent. on single villages. I have stown in paragraph 23 that the rental value in the village's proposed for transfer to group I is 6.91 multiples of the assessment as against 585 for the existing group I. This is the test possible evidence that these villages are at present under-assessed. If the proposed increase is sanctioned the rental value will be 4.37 multiples of the assessment ; in other words Government will take less than one-fourth of the rental value.

As regards group II the three small villages of the old 3 rd group will take an increase of $83^{\circ} 33$ per cent. This exceeds the permissible limit of 66 per cent. But these villages have hitherto been much underassessed and I strongly recommend that the limit be waived. The amount of revenue involved in these 3 villages is insignificant but the present anomaly ought to be done away with. I admit that my proposed changes in groups and maximum rates involve some inequalities in increase. Alteration in groups is always incovenient and to be avoided if possible. But I feel that the present grouping dose not come close enough to the ideal and has been proved wrong in a substantial degree.

## Rates in adjoining Talukas.

25. On the other side of the Tapti the maximum rate sanctioned in 1918 for the villages of Shahada and Shirpur Talukas is Rs. 4 except for one anomalous rate of Rs. 3. These Talukas make up for their distance from markets and railway, by a decided advantage in rainfall. I admit there is some inequality in this rating but rainfall is more important than nearness to markets. Mr. Abbott who did the Revision Settlement of these Talukas found himself unable to adjust the rates without loss of revenue owing to the irregularity of the groups in these Talukas.

On the South the rates of Dhulia Taluka sanctioned in 1919 are Rs. 2-13-0 and 3-10-0. These rates do not conflict with the rates proposed for Sindkheda.

Amalner on the East has a maximum rate of Rs. $3-3-0$. This is unduly low but the rate could not be raised above this owing to the 33 per cent. limitation. Amalner is far too lightly assessed.

## Patasthal.

26. At the First Revision Settlement Mr. Pitt classed 525 acres as kayam patasthal under a maximum combined rate for soil and water of Rs. 8 in all cases except Betavad. Although the maximum rate is Rs. 8 the average combined assessment came to only Rs. 2-10-8. This is sufficient indication that water supply is deficient. Government in accordance with their general policy of remitting patasthal assessment on precarious streams sanctioned the abolition of most of this patasthal assessment (Government Resolutions Nos. 7c69 of 8th September 1896, 10133 of 7 th October 1908 and 7100 of 3 ist July 1913).

The combined patasthal assessment imposed at the First Revision Settlement. amounted to Rs. $\mathbf{r}, 399$. The patasthal asispsment now retained amounts to only Rs. 144-8-o.

As for the water rate already abolished I find that the water supply is so. uncertain that it would be a mistake to treat it as 'permanent'. The Collector levies occasional water rate under section 55, Land Revenue Code, on the rare occasions when water is taken. This method of assessment may continue.

The only bandharas on which kayam patasthal assessiment is retained are :-


I have inspected these bandharas and found that the Mukti water supply was good. In ordinary years there should be ample water for rabi and the water rate is very moderate ( 42 acres assessed at Rs. 89-8-0).

The two kaccha bandharas at Malpur are also fairly reliable. The water rate is rightly retained. It is however a matter of only academic interest as the land irrigated is Inam except one survey number with a water rate of Rs. 5 .

I consider that the water rate on these bandharas should be increased in the same proportion as the dry-crop assessment.

The kayam patasthal in Betavad is on a different footing from any other.
The water supply is controlled by the Irrigation Department which manages the Mukti Tank. I may mention that this tank is in Dhulia Taluka and has nothing to do with the Mukti mentiond above. Owing to the improvement in the water supply due to the construction of Mukti Tank a combined soil and water rate of Rs. 14 was sanctioned for this village. This rate is lighter than the charges for water taken from the same source on land outside the kayam patasthal area. The water rate for water exclusive of soil assessnent on the kayam pata: thal area averages Rs. 3 per acre while the rates levied by the Irrigation Department for water only taken outside this area are, for kharif Rs. 2, for rabi Rs. 4, for 8 months Rs. 8 and for pertnial Rs. 12.

I consider that the kayam patasthal assessment in this village should be abolished and water rate fixed by the Irrigation Department. I he owners of kayam patasthal should of course ${ }^{r}$ retain their full rights to the water and if the Government so direct a part of the water rate may be credited to the Revenue Department.

If this proposal is not approved I recommend that the combined assessment should be increased in the same proportion as the dry-crop assessment.

## Inam villages.

27. The two Inam villages of the Taluka are due for Second Revision Settlement. They are small and unimportant with no features to differentiate them from the adjoining Government villages.

Both villages are at present in group I. I see no reason to change this grouping.

I accordingly propose that the maximum rate in these villages should be raised by the same amount as that of Government villages in group I and that the guarantee should be for the same period as in Government villages.

## Guarantee.

28. I recommend that the rates should be guaranteed up to $\mathbf{1 9 4 9 - 5 0}$. In that year the leases of Dhulia Taluka of this District and Amalner Taluka of the East Khandesh District will expire. These are the leases with the longest period to run. By fixing this term for Sindkheda and by making short provisional guarantees for all Talukas in which the lease expires before that year, it will be possible to carry out the next revision of the two Khandesh Districts simultaneously and to remove inequalities in the maximum rates.

> I have the honour to be,
> Sir,

Your most obedient servant,
J. H. GARRETT, Settlement Officer; Sholapur and Khandesh.

## APPENDIX A．

Rainfall recorded at Sindkheda，District West Khandesh．

| Year． | Barly raio （1st ）anuary to 10th April）． |  | Antémon－ soon（11th Aprif ta 4 th June）． |  | Monsoors Kharif （5th June to 14th August）． |  | Monsoon Rabi（15th Ausust to 21st October）． |  | Late rains （2ind Octo－ ber to 31st December）． |  | Total． |  | 音鲁品 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fall． | Rainy days． | Fall． | Raìny days． | Fall． | Rainy days． | Fall． | Rainy days． | Fall． | Rainy days． | Fall． | Rainy days． |  |
|  |  | No． | Inches， | No． | Inches． | No． | Inches． | No． | Inches． | No． | Inchee． | No． |  |
| 1911 | 0.02 |  | 0.32 | 1 | 720 | 12 | 1.44. | 3 | 078 | 2 | 9.76 | 18 |  |
| 1912 | $\cdots$ | －： | ＇＊＊ | $\cdots$ | 7.55 | 17 | 1.64 | 5 | $5 \cdot 43$ | ． 2 | 14.62 | 24 |  |
| 1913 | 0.10 | 1 | 0.10 | 1 | $15 \cdot 52$ | 29 | 3.85 | 6 | $0 \cdot 42$ | 1 | 19.99 | 38 |  |
| 1914 | $\cdots$ | ．．． | 0.74 | 1 | 17.77 | 25 | 11．11 | 12 | $0 \cdot 55$ | 2 | $90 \cdot 17$ | $40^{\circ}$ |  |
| 1915 | 2.42 | 4 | 0.46 | 1 | $13 \cdot 70$ | 18 | 8.25 | 14 | 0.24 | 1 | 35.07 | 38 |  |
| 1916 | $\cdots$ | ．．． | 1.67 | 2 | $20-11$ | 26 | 628 | 16 | 408 | 4 | 32.14 | 48 |  |
| 1917 | $1 \cdot 11$ | 3 | 0.12 | 2 | 710 | 14 | $15 \times 40$ | 24 | 1.26 | － 2 | 25＇29 | 45 |  |
| 1918 | ．．． | $\cdots$ | $1 \cdot 16$ | 4 | $4 \cdot 19$ | 9 | 2.41 | 7 | ．．． | ．．． | 776 | 20 |  |
| 1919 | $\ldots$ | ．．．i | 2.61 | 6 | 11.25 | 21 | 7.56 |  | $2 \cdot 42$ | 2 | 23 ＇84 | 44 |  |
| 1980 | 3.53 | 4 | 0.14 | 1 | 13.10 | 14 | 2.21 | 6 | ．．． | ．．． | 18.98 | 25 |  |
| 1921 | ．．． | $\cdots$ | ．．． | ＊＊ | $16 \cdot 27$ | 25 | 4.70 | 9 |  |  | 20.97 | 34 |  |
| Average | 0.65 | 11 | 0.69 | 2 | 1212 ${ }^{\circ}$ | $19{ }^{\circ}$ | 540 | 11 | 1.38 | 1 | 20.78 | 34 |  |

Remarks with regard to the charaater of the season at Sindkheda．District West Khandesh，for the gearis 1971－192r
1911 ：－Rain during the year was less than even half the average．The antemonsoon period had no showers．The regular moncoon commenced in the first week of June but the fall being inadequate for seneral sowing，it was commenced only in places
of suficient moisture．In July the fall was much in defect of the averase and kharif sowing had to be deferred till the second fortaikht and continued in August．Rain in this month was also insufficient．As a result the seedlings bagan to suffer．The fall in September again was meagre（not exceeding an inch）and the standing crops deteriorated．October pent totally dry．Rabi sowings Fere done in places where moisture was sufficient．Some useful and fair rain was received in the latter half of November which kreatly helped the rabi orops where sown．December was wholly rainless．
As a result of the natare of this capricious rainfall the season was poor bcth for the kharif and rabi crops．
1912 ：－Rain during the year considerably in defect of the average．There was no rain in the antemfonsoon period．The rosular july under the favourable rainfall of the month．August rain，though meagre，was usoful as it maintained the crops．The fall in September，however，being very inadequate（amounting to less than half an inch only）told seriously on the crops which then required rain badly for their development．October rain being again meagre did not give any relief．Rabi sowing was greatiy checked．Good and general rain．however，in the third week of November somewhat saved the situa－
tion．It was too late for the kharif crops but it greatly helped the rabi crops，the sowing of which was largely ended on ita tion．It was too late for the kharif crops but it greatly helped the rabi crops，the sowing of which was largely ended on its
strengeh．There was no rain in December．The rabi crops fared woll．The season on the whole was poor for the lcharif strengeh．There was
and fair for rabi crops．
1913 ：－Total fall of the year was just about the average，A few drops only were received during the antemonsoon period，Regular monsoon set in early in June and rain fell steadily throughout the month enablidg kharif sowing to be in full swing by the desired，at the end in places，for undertaking the further agricultural operations．August rain though meagre was good enough to maintain the crops．The fall in September was both substantial and seneral and the standing crops did well under it，Rabi sowing was commenced in places on the strength of this fall．There was neither any rain in October，nor was any received in November．The fall in December was only fair．It still benefited the standing rabi crops though
they wanted much more．The season on the whole was fairly good for the kharif and only fair for the rabi crops．
1914：－Year＇s total fall cousiderabiy in excess of the avepage．No rain was received in the antemonsoon poriod．The monsoon burst timely in June and the fall baing quite adequate ktarif sowiog was in rapid prosress by the end of the month．It was able for them，at the end of the month．This occurred partially in August and proved very beneficial．There was good rain in September thoukh it proved slightly excessive to crops in places．October had a complete break．Rabi sowing was，however，undertaken in the month as usual as there was sulficient moisture left in the soil by the copious fall of September．There was little rain in November and lesser still in December．The rabi crops，bowever，progtessed satisfactorily and would have given a good return if it had not been for the timejy and heavy rain late in the season，i．e．
in Pebruary，Season on the whole was good for the kbarif and faicly good for the rabi crops．
1915：－Total rainfall during the year was sorowhat in excess of the average．Fair ahowers were received during the antemonacon under the good fali of the month．August rain was light and was confined to the first week and the standing only in July badly in need of more rain．This they got in September and they prosressed well．October rein was again abundant and gave an impetus to rabi sowings．The complete break in November was yery beneficial for the completion of the rabi sowings．There was some useful though light rain in December and the rabi crops progressed well．Season on the whole
generally satisfaetory．
1916：－The total annual rainfall considerably exceeded the average．The antemonsoon period had only a few drops．Monsoon commenced early in June and the fall being adequato kharif sowing was vigorousily pushed on and completed in July when previous months and a break was desired for pushing on astricultural operations．Soptember rain again exceeded the requirements，and damaged the standing crops in places．The break towards the end of the month，howover，was useful for them．October had an adequate fall and rabisowings were ondertaken and completed in time．November rain was also fairly heavy．December had no rain nor was any desired．The rabi crops throve wall and yielded a sood outcurn． The season on the whole was satisfactory．
1917 ：－Rain duriag the year was much above the average．Some fair showers were raceived in May．The monsoon Hurst in the harst week of une and the fall being adeqnate kberif sowings were started vigoroualy and completed in uly under the fair fall of the month．The seedling tbroved well during the two subsequent months when fair to good rain was received． average）injured badly the standlng crops especially those of bajri and cotton，It was however made good use of by oultivators for pushing on the rabi sowings whioh were completed in November on its atrength，though there was no raik and nor was any desired．The rabi crops throve well and gave a good return，The season on the whole was moderately good for the kharif but diatinctly good tor the rabi crops
1918 ：－The total rainfall of the year amounted to one－third of the average，Fatriy heavy rain in May was useful for the preliminary preparation of the lands．Regular monsoon started in tae micare of jung our he completed nnder the favoarable and fairit month belng meagre kharif sowing had the month．In Seprember the rainfall was vary deficient and crops besan to wither in places．The monsoon completely closed by the and of the month with the result that all charif crops withered away except where they were irrigated．Rebi sowing was restricted to places only，The season on the whole was one of the most disastrous on record．
1919 ：－－Year＇s total fall slishty exceeded the average，Fair．rain was received in May．The rekular monsoon commenced early in June and gave an adequate and general rain affording auffelent moisture for the kharif sowings．Tho kharif rains were throughout quite abundant and even excesaive and slightly injurious to crops in places．The kharif crops generally throve well and Fielded a good outturn．As regards the rabi crops，the sowing was dong in time and as he rabi rains too wer Excepting thite detired．
$1920:-$ Total fall of the year was slightly below the average. There were only a few drops in the premonsoon period. The requlat monsoon set in in the second week of June and the fall being sufficient, kharif sowings were started in earnest and consleted in uly under the abondant and general rains of the month, The geedhings throve well and continusd to do so and the khanif crops began to suffer. The monsoon completely closed by the end of September with the result that the kharif crops seriously suffered in outtorn. while rabi sowings were done only in areas where irrigation facilitiea were at
hand. Seaton, on the whole, was only moderate for the kharif and distinctly bad for the rabi crops. hand. Seaton, on the whole, was only moderate for the kharif and distinctly bad for the rabi crops.
1921 :-Year's total rainfall was equal to the average. The monsoon period went totally dry. The regolar monsoon cotnmenced in the second week of June but the fall during the month being inadequate kharif sowing was greatly restricted and was completed only in July when general and very abundant rain was received. The fall in Aupust and September was fairly heavy and the kharif crops progressed well till they were reaped when they gave a good return. The rainfall in Septomber being adequate, rabi sowings were undertaken and completed in time. From October onwards, however, there has been no rain, shower in December. The season on the whole has beer satisfactory for the kharif oropa and lit is expected that it will be equelly fair for the rabi crops too.
J. H. GARRETT,

Settlement Officer,
Sholapur and Khandesh.

APPENDIX B.
Details of cultivation and crops in the villages of the Sindkheda Taluka of the West Khandesh Collectorate, for five years from 1916-17 to 1920-192x.


## APPENDIX C.

Details of population according to occupation as Census of 19 nit for Sindkheda Taluka,
District West Khandesh.

\begin{tabular}{|c|c|c|c|c|}
\hline \multicolumn{3}{|c|}{Agricultural population.} \& \multirow[b]{4}{*}{Total.

4} \& \multirow[t]{2}{*}{Non-ardicultural population.} <br>
\hline Heving int \& in land. \& \& \& <br>
\hline Tenants and sub-sharers, \& Other land-holders. \& \& \& <br>
\hline 1 \& 2 \& 3 \& \& 5 <br>
\hline 46.752 \& 5,833 \& 22,105 \& 74,690 \& 14.464 <br>
\hline
\end{tabular}

APPENDIX D.
Agricultural stock of the 166 Government and 2 Inam villages in the Sindkheda Taluka during the year 19


- Note.-Animals are reckoned as calves up to the time they commence work, if male, or are mature for breediag, if female.


## APPENDIX E

Shops, industries, etc., in the villages of the Sindkheda Taluka, District West Khandesh.

| < Liquor Shops, | Hand Industries. |  |  |  |  | Mechanical Power. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oil Presses. | Cotton <br> Looms. | Woolen <br> Looms. | Silk Looms. | Ging | Gins. | Rice Husking Macbine. | Cotton Presses. | Steam Pumps. | Oil Engine Pumps. |
| 6 | 11 | 130 | 2 | Group | No. 1. | 9 | *.... | 4 | ...." | 3 |
| 3 | ** 1 | 60 | 42 | ..... | 148 | $\cdots$ | **** | $\cdots$ | **** | **." |
| ..."* | .....' | **** | . | $\cdots$ | ** | $\cdots$ | ...... | .....* | $\ldots$ | **** |
| Tutal ... 9 | 12 | 190 | 44 | -..." | 675 | 9 | *** | 4 | ...... | 3 |
|  |  |  | - | Alicnated | villages. |  |  |  |  |  |
| .* | ..... | .....* | $\cdots$ |  |  | $\cdots$ | $\cdots$ | **** | $\cdots$ | .....e |

APPENDIX F.
Wells, bhudkis, tanks and other sources of water supply in the 166 Government and a Inam vilcages of the Sindkheda Taluka for the year 1912-13.


## ABSTRACT OF APPENDIX F.

| District. <br> 1 | Details. <br> 2 | Wells, Bhudkis and the like. |  | , Tanks. |  | Other Sources. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Pakka. <br> 3 | Kacha. <br> 4 | Pakka. | Kacha. 6 | Pakka. 7 | Kachz, <br> 8 |
|  | For irrigation <br> For drinking supply of human beings bus not for irrigation. | 1,765 1,515 | 427 .6 | ....... | $\cdots{ }^{\cdots}$ | ...... | ....... |
|  | For cattie and washing and other purposes, etc. | -4 | ...... | 2 | 8 | $\cdots$ | ...... |
|  | In diause ... | ...... | 220 | ...... | ...... | ...... | ...... |
|  | Total | 3,324 | 653 | 2 | 9 | $\cdots$ | $\cdots$ |
|  | Totals recorded at the previous settlements. | 2.414 | 117 | 1 |  | 145 | 1 |

APPENDIX G.
Selling Value of Drv-crop Lands in the Villages of the Sindkheda Taluka, District West Khandesh.


APFENDIX G.-contd.

$\mathrm{Ca} 3-6$

APPENDIX G.-contd.


## APPENDIX G.-contd.



APPENDIX G(1).
Selling Value of Bagait Lands in the Villages of the Sinkheda Taluka, Distric West Khandesh.


APPENDIX H.
Leases of Dry Crop Lands in the villages of the Sindkheda Taluka.


Ca 3-7

APPENDIX H-contd.


APPENDIX H-concld.

| $\begin{aligned} & \text { Sorial } \\ & \text { No. In } \\ & \text { Appan- } \\ & \text { diz. } \end{aligned}$ | Neme of village. | Area of land leased. | Assessment. | Rents. | Number of times the assessment represented by the rent. | Remarks. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | A. 8. | Rs. a. D. | Rs. a. p. |  | Rs, a. p. |
| 122 <br> 123 <br> 124 <br> 128 <br> 186 <br> 187 <br> 149 <br> 130 <br> 133 <br> 134 <br> 185 <br> 136 <br> 137 <br> 198 <br> 140 <br> 141 <br> 142 <br> 1149 <br> 144 <br> 145 <br> 146 <br> 1147 <br> 149 <br> 152 <br> 154 <br> 156 | Kevde ... ... | 12638 | 5960 | 131100 | $2 \cdot 23$ | 2511 |
|  | Kharde ... | 6638 | 2500 | 5400 | 2:16 | 248 |
|  | Khalane | 104 | 1500 | 7200 | 48 | 517 |
|  | Kholaj | 147 | 900 | 2500 | 277 | 2151 |
|  | Chandged ... | 14333 | 68100 | 567100 | 8.23 | 81211 |
|  | Chimthane | 35 15 | 5500 | 25000 | 4:55 | 4131 |
|  | Chadane | 8025 | 7600 | 26700 | $3 \cdot 51$ | 3118 |
|  | Chorvibir | 886 | 3080 | 12800 | 4.26 | 485 |
|  | Dangurne | 5239 | 2880 | 15800 | $5 \cdot 64$ | 51511 |
|  | Tamthare | 496 | 4000 | 34900 | 8.72 | 943 |
|  | Darane | 19 37 | 700 | 3000 | 4.29 | 4811 |
|  | Dalvade Pargana Songir | 2927 | 3500 | 23000 | 6.28 | 6109 |
|  | Divi | 1531 | 1560 | 21060 | 140 | 14140 |
|  | Degaon | 198 | 600 | 8100 | $13 \cdot 5$ | 1450 |
|  | Dhavda . ... ... | 1019 | 1115.0 | 7820 | 6.5 | 6140 |
|  | Niahane -.. | 842 | 4280 | 29700 | 7.07 | 782 |
|  | Pimpri | 339 | 2700 | 12700 | 4.07 | 41511 |
|  | Pedka | 76 | 400 | 2400 | 60 | 660 |
|  | Mabalpur | Nil | ..4... | ...... | ..... | ...... |
|  | Malpur | 1284 | 3700 | 229110 | 4.03 | 446 |
|  | Mukti | 554 | $30 \leq 0$ | 306106 | 10.23 | 101311 |
|  | Methi -- | 6924 | 5700 | -1600 | 7.29 | 71111 |
|  | Ravadi | 2538 | 1280 | 9480 | 783 | 851 |
|  | Va¢hade ... | 425 | 31150 | 20460 | $6 \cdot 37$ | 6123 |
|  | Vaypur ... | 2912 | 1720 | 23820 | 140 | 14140 |
|  | Shevade | 1120 | 680 | 3680 | 6.0 | 660 |
|  | Satare | 13137 | 6680 | 38080 | 5.75 | 619 |
|  | Salve | 3728 | al 00 | 9900 | 478 | 501 |
|  | Suray | 2810 | 2220 | 1050 | 477 | 511 |
|  | Sondie | 1137 | 400 | צ 00 | 8.5 | 901 |
|  | Hetmar ... ... | 2588 | 1800 | 11000 | 6.11 | 6711 |
|  | Total Group II ... | 1,604 14 | 94380 | 5.535 146 | 5.87 | 636 |
|  | Avarage per acre ... | $\ldots$ | 095 | 373 | ..... | ...... |
|  | Total of Group I ... | 5,832 9 | 12,187 147 | 71.41072 | ..... | ...... |
|  |  | 7,436 23 | 13.13167 | 76.946 58 | $5 \cdot 85$ | $\ldots$ |
|  | Inam pillagat. | ...... | 1123 | 1056 | ...... | ..... |
|  | Dartheda | 5211 | 11900 | 61000 | $5 \cdot 12$ | 570 |
|  | Bhilune ... ... | 5024 | 11390 | 53226 | $4 \cdot 66$ | 5911 |
|  | Total | 10235 | 23290 | 1,142 26 | 492 | ...... |
|  |  | ...... | 242 | il 14 | ... | ...... |

## APPENDIX H ${ }^{(1)}$.

Leases of Bagait Lands in the villages of the Sindkheda Taluka.


## APPINDIX 1.

Prices prevalent in the Sindkheda Taluka from $1888-89$ to 1921 (as plotied in the accompanying Diagram).


Collection of Assessment on Government land in the villages of the Taluìa of Sindkheda, District West Khandesh.


Ca 3-8


## L.

on Government occupied land.


L.-continued.



L-continued.


APPENDIX


L-concluded.

J. H. GARRETT,

Settlement Officer

SUMMARY FOR DRY-CROP RATES.
Regarding the effect of Revision Settlement proposals on Government occupied land in Sindkheda Taluka of the West Khandesh District.

| Proposed Group. | Number of villages (in batches according to the existing grouping). | Current dry-crop rates of each batch. | Proposed dry-crop rate for grouping of each batch. | Increase per cent. | Increase per rupee (to nearest quarter anna). |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { I }\{ \\ & \text { II }\{ \end{aligned}$ | I $\left\{\begin{array}{l}1-115 \\ \text { In-27 } \\ \text { In-21 } \\ \text { In-3 }\end{array}\right.$ | $\begin{array}{lll}\text { Rs. } & \text { a. } & \text { p. } \\ 2 & 12 & 0 \\ 2 & 2 & 0 \\ 2 & 2 & 0\end{array}$ | Rs. a. p. |  | Rs. a. p. |
|  |  |  | 360 | $29 \cdot 72$ | - 38 |
|  |  |  | 360 | - 58.82 | 095 |
|  |  |  | 2120 | 2941 | - 48 |
|  |  |  | 2120 | 83.33 | 0134 |
|  |  |  | Inam village. |  |  |
| 1 | $12 \ldots$ | 2120 | 360 | 22'70 | 038 |

APPENDIX M.
Showing village, population and area of unoccupied assessed cultivable Government Land in Sindkneda Taluka, West Khandesh District.

| Serial <br> No. in Appendix $L$. | Village. |  | Population. |  |  |  | Area of unoccupied ansessed cultivable Government land |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1891. | sgas. | 1911. | 1921. | 1893. | 1931. |
| 1. | 21 |  | 3 | 4 | 5 | 6 | 7 | 8 |
|  | Government villages. Group 1. |  |  |  |  |  | A. g. | A. g. |
| 1 | Akadse ... | $\cdots$ | 257 | 193 | 326 | 294 | 5111 | 5112 |
| 2 | Achhi | $\cdots$ | 284 | 264 | 384 | 387 | 418 | 418 |
| 3 | Ajanda Budruk ... | $\ldots$ | 644 | 712 | 622 | 721 | $27 \quad 23$ | 2239 |
| 4 | A jande Khurd ... | ... | 428 | 469 | 545 | 420 | ..... |  |
| 5 | Amalthe $\quad \therefore$ | ... | 543 | fos | 513 | 542 | $50 \quad 9$ | $48 \quad 19$ |
| 6 | Alane | $\ldots$ | 289 | 257 | 323 | 336 | 242 | 242 |
| 7 | Kadane . ... | $\ldots$ | 354 | 372 | 507 | 496 | ..... | ...... |
| 8 | Kamkhede ... | ... | 1,103 | 861 | 1,102 | 903 | 2089 | 1933 |
| 9 | Kalmadi - .. | $\ldots$ | 553 | 533 | 609 | 696 | ...... | ...... ${ }^{3}$ |
| 10 | Kalgaon ... | $\ldots$ | 236 | 192 | 224 | 267 | .. | ...... |
| 18 | Kampur $\quad$... | ... | 252 | 200 | 257 | 264 | 1034 | . |
| 12 | Kumbhare parg. Betavad | ... |  | .. | - | $\cdots$ | 44 | ...... |
| 13 | Kumbhare parg. Nandurbar | ... | 189 | 147 | 183 | 214 | ...... | ...... |
| 14 | Kumrej | $\ldots$ | 65 | 66 | 75 | 54 | $\ldots$ | ...... |
| 15 | Kurukwade | ... | 883 | 1.104 | 1,128 | 1,021 |  | 25.5 |
| 16 | Kodade | $\ldots$ | 633 | 595 | 842 | 835 | 135.34 | 2816 |
| 17 | Kanchanpur | $\ldots$ | 271 | 308 | 313 | 370 | ...... | ...... |
| 18 | Khamane | ... | , | ... | $\ldots$ | ... | 4425 | 4425 |
| 19 | Khandvay ... | ... | . | . | * | $\cdots$ | 20.13 | 320 |
| 20 | Gavhane | $\ldots$ | 408 | 416 | 567 | 610 | .... | ..... |
| 21. | Gorane | ... | 502 | 604 | 619 | 671 | $\ldots$ | ... |
| $22{ }^{\circ}$ | Ghusare | ... | 179 | 81 | 358 | 119 | $83 \quad 30$ | $70 \quad 25$ |
| 23 | Chavalde | ... | 51 | 45 | 85 | 46 | 823 | 823 |
| 24 | Chinchkhede ... | $\cdots$ |  | . 53 |  |  | ...... | ...... |
| 25 | $\begin{array}{ll}\text { Chirne } \\ \text { Chilane } & \ldots .\end{array}$ | $\cdots$ | ${ }_{6}^{676}$ | 520 $\times 5015$ | 865 | 617 1,252 | $\cdots$ | ...... |
| 27 | Chilane . ${ }^{\text {Chaugaon }}$ Budruk | $\cdots$ | 1,000 323 | 1,015 451 | 1,171 500 | 1,252 527 | 29. | $\cdots{ }_{12}$ |
| 28 | Chaugaon Khurd | $\cdots$ | 369 | 45 95 | 59 | 145 | ...... 9 | 12.25 |
| 29 | Jasane ... | ... | 156 | 144 | 123 | 186 | 1333 | 1333 |
| 30 | Jatode ... | ... | 282 | 365 | 396 | 434 | 4123 | 4122 |
| 31 | Jogselu ... | $\ldots$ | 304 | 294 | 294 | 277 | - 9 | ... |
| 32 | Jhirve ... | $\cdots$ | 115 | 92 | 173 | 161 | 15938 | 1052 |
| 33 | Jhotwade ... |  | 186 | 183 | $23_{3}$ | 332 | ...... | ...... |
| 34 | Takarkhede ... | ... | 646 | 412 | 459 | 610 | 7122 | 7122 |
| 35 | Temlay ... | ... | 101 | 126 | $4{ }^{2} 4$ | 182 | ...... | ..... |
| 36 | Dabli - ... | ... | 399 | 378 | 548 | 453 | 71 | 7 3 |
| 37 | Dongargaon ... | ... | 213 | 255 | 293 | 392 | $13 \quad 38$ | . 238 |
| 38 | Tavkhede parg. Betavad | ... | 235 | 214 | 400 | 311 | 215 | 215 |
| 39 | Tavkhe da parg. Nandurbar | ... | -260 | 394 | 328 | 334 | 1837 | $118 \quad 17$ |
| 40 | Dattane ... | $\cdots$ | 258 | 257 | 394 | 436 |  | ..... |
| 41 | Dabhashi $\quad .$. | ... | 489 | 375 | 508 | 559 | 2639 | 124 |
| 43 | Dalvade parg. Nandurbar | ... | 483 | 572 | 570 | 601 | ...... | ...... |
| 43 | Daswel $\quad .$. | ... | 286 | 266 862 | 31.6 | 376 | 10 | $10 \quad 22$ |
| 4.4 | Daul | ... | 897 | 862 | 1,009 | 853 | 2812 | 2216 |

APPENDIX M-continued:


APPENDIX M.-concluded.


Settlement Officer, Sholapur and Khandesh.

No. S.R.V.—9 of 1923.
From

A. O. KOREISHI, Esouiré, M.A., C.S., Collector of West Khandesh;

To

# The SETTLEMENT COMMISSIONER AND DIRECTOR OF LAND RECORDS, Bombay Presidency, Poona. 

Dhulia, 18th April 1923.

Sir,
In forwarding herewith the Settlement Report of Mr. Garrett on the second Revision Settlement of Sindkheda Taluka in this District, I have the honour to remark as follows:-

Sindkheda is one of the best Talukas in this District in point of climate, and wealth of soil and early during the currency of the preseni settlement, it has had excellent transport facilities opened up. The Tapti Valley Railway runs right through the middle of the Taluka and has greatly contributed to the development of its industry and trade. Dondaicha and Nardana lying nearly at two extremities of the portion of the line within the Taluka are the most important exporting stations. The opening of a branch line from Chalisgaon to Dhulia, likewise, has helped to bring some of the southern villages of the Taluka within reach of an exporting centre with a Railway.

The selling value of land has also increased tremendously.e While it was only 17 multiples of the assessment according to the original survey, it is 97 multiples of the present assessment. The rental value of land likewise has gone up, it being 585 multiples of the assessment which is just midway between the rentals earned in the adjoining trans-Tapti and cis-Tapti Talukas of Shahada and Amalner, respectively. On a consideration of all these circumstances, Government in my respectful opinion is entitled to get the full 33 per cent. increase and most of the enhancements proposed by Mr. Garrett are amply justified and I believe he has been . quite moderate in his proposals.

I do not, however, agree with him as to the new groups which he favours. He seems to propose that if the present grouping (i.e., three groups) is kept unchanged, maximum rates of Rs. 3-10-0, Rs. $2-13$-0 and Rs. 2 will be proper. But, at the same time, he urges the removal of the anomaly of the present grouping mainly on the ground of securing uniformity rather than any important gain in. point of assessment. His proposals, in brief amount to this.

|  | Number ofvillages. | Present rates. | First Proposal. |  | Second Proposal. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Number of villages. | Kates. | Number of villages. | Rates. |
| $\begin{array}{lll}\text { Group I } & \cdots & \cdots \\ \text { Group II } & \ldots & \ldots \\ \text { Group III } & \cdots & \ldots\end{array}$ | 115 48 3 | $\begin{array}{rrr}\text { Rs. } & \text { a. } & \text { p. } \\ 2 & \text { 12 } & 0 \\ 2 & 2 & 0 \\ 1 & 8 & 0 \\ 1 & 8 & 0\end{array}$ | 115 48 3 | $\begin{array}{rrrr}\text { Rs. } & \text { a. } & \text { p. } \\ 3 & 10 & 0 \\ 2 & 13 & 0 \\ 2 & 0 & 0\end{array}$ | $\begin{array}{r}142 \\ \hline . .\end{array}$ | $\begin{array}{rrr}\text { Rs, } & & \\ 3 & \text { p. } \\ 3 & 6 & 0 \\ 2 & 12 & 0 \\ \cdots & \end{array}$ |

On the one hand, I do not see sufficient grounds for lowering the maximum rate of the present group I from Rs. 3-10-o to Rs. $3-6-0$ merely to scrape off the anomaly-why should the best villages in the Taluka be assessed lightly by 4 annas, or in other words why should these villages have an increase of 22.72 per cent: only when Government is legitimately entitled to 33 per cent. On the other hand, the uplifting of 27 villages of the present group II to group I, and of 3 villages of group III to group II will have the effect of giving an increase of 58.82 per cent. and 82.33 per cent., respectively, to these villages. Mr. Garrett himself admits the first increase to be Ca ${ }^{3}-11$
heavy, and although the permissible limit of increase in single village is $66^{\circ}$ per cent., the increase is not only very near the maximum allowed but where 27 (or more than half the number of villages in the group or one sixth of the Taluka) villages are involved the increase is considerable and the burden uneven. Most of these villages lie within about 3 miles of the DhuliaNandurbar Road, a facility which they enjoyed at the time of the present settlement. Some of them are obviously dumped in the midst of low hills and most of them would not appear to have benefitted by the Tapti Valley Railway to any appreciable extent as they lie fairly far away from stations on the Tapti Valley Railway which are open to goods traffic. There is also reason to believe that the climate and rainfall in a greater portion of this belt is not quite equable. The only evidence adduced in favour of transfer to a higher group is that the rental value in their case on the present assessment is higher by one multiple than on the villages of group I. In itself, this slight increase is not high especially in a Taluka where there is very little land left for the ordinary tenant to take up, and can be accounted for by the price of produce, having risen by more than 100 per cent. Their inclusion in the higher group will tend to place them at a distinct disadvantage to the other villages by lowering their letting value by $1 \frac{1}{3}$ multiple at a time when grain prices are fast coming down to the pre-war level. Moreover, conclusions based entirely on rentals are apt to be misleading, especially in cases where only a small fraction of the village lands are leased possibly by rack renting landlords. I would not, therefore, recommend their transfer to a higher group, more especially when for their sake the maximum otherwise leviable on group I villages has to be lowered by four annas. The effect of abolishing group III and including them in group II would be disastrous and these three poor villages will not be able to bear the $83 \cdot 33$ per cent. increase. I therefore recormmend the retention of the present grouping and the acceptance of Mr. Garrett's first proposal of a maximum of Rs. $3^{-10-0}$, Rs. $2-1^{-0}$ and Rs. 2. The comparative effect of my recommendations on the Taluka from the revenue point of view would be illustrated by the following statement.


I agree with Mr. Garrett, that the question of Patasthal assessment is not very impotant so far as Sindkheda Taluka is concerned and I think his proposals on this subject which are based on the existing circumstances and are moderate from the point of view of the ryots as well, may be accepted.

Mr. Garrett who has had very wide experience in settlement work has taken great pains in drafting out acceptable proposals and deserves to be thanked for his labours.

I have the honour to be,
Sir,
Your most obedient servant,

A. O. KOREISHI, Collector of West Khandesh.

# Below No. S.R.V.-9, dated 18th April 1923, from the Collector of <br> West Khandesh. 

No. S.T.-307.
Poona, 26th fune 1923.
Forwarded with compliments to the Commissioner, C. D.
2. There will be few revisions which will give less trouble and doubt. Mr . Garrett's report is succint, and complete, and it is quite superfluous to go over every point he has adequately handled.
3. His observation that the greater the certainty of rainfall, the more willingly the cultivator (here obviously he means the owner) will work to make permanent improvements, and to raise the level of his tillage is very true: and will I hope be retained in mind when the time comes for the fixity of tenure of tenants to be dealt with. Waste (i.e., cultivable, but unoccupied) land is the most delicate and certain mdex of over-assessment. Under an excessive rental demand, land on the margin of cultivation must be driven out ; and so too when the assessment takes the whole (or more) than the rent, it will be driven out whether at the margin or anywhere else. Now waste before $186_{3}$ was abundant. In 1863 it had fallen to 21,673 acres : in 1893 to 16,782 ; and now it stands at 8,918 acres of which the buik, Mr. Garrett says, is practically unfit though classed as "cultivable". The assessment therefore has not only driven no land out of cultivation but has attracted nearly 50 per cent. of the 1893 , waste into occupation now.
4. In paragraph 18 Mr . Garrett distinguishes between the return to a nonagriculturist (i.e., a landlord who leases) and to a cultivating owner (i.e., landlord who tills). To do this he assumes that to the nett rent of the landlord, the cultivator adds a further "profit" attributable to the excess of his earnings as a cultivator over his minimum cost of living. But this "profit" (excess of wages earned over minimum cost of living) cannot be treated as profit or interest on purchase price. This profit can be got, without the outlay of capital, by working for any farmer on wages: It is not therefore part of the return a purchaser gets when he buys land. In the classic "Report on the Land Revenue System of Burma" by Mr. Furnivall's Committee (1922), which is a report on the Land Revenue Systems of Madras, Bombay, Central Provinces, and Punjab also, it is most ably proved (Vol. I, page 72) that the "wages of the cultivator" may not be treated as part of the "rental (or sale) value". With a general sale multiple of 98 (for dry-crop land) we find the average rent is 585 : deducting the assessment 1 , we have 4.85 multiples of free (untaxed) rent leff to the landlord. This corresponds to a rate of interest of 5 (or 20 years' purchase of the rent). Here Mr. Garrett did not first deduct one assessment from his gross rent. The sale prices of land are high in proportion to the rent, as we find almost everywhere: indicating that it is expected rents will in future rise rather higher and the rise will exceed the increase of assessment Government is likely to sanction. This expectation is probably justified.)
5. In the same paragraph Mr. Garrett says "low sale values in a fully developed area indicate a want of capital '. A low sale value means a few years' purchase paid for the rent : so that the return of interest on price is high. This attracts capital to the land when capital is scarce. Land in Sindkheda is evidently considered a better security even than Government paper, which now commands a rate of 53. (free of income-tax) while the rate in Sindkheda is only 50 and the return on a purchase of land is also free of income-tax. I should not call this a sale value " low '.
6. Mr. Garrett bases his grouping on the sales and rents quite rightly. He finds a batch of villages in group II which is rather inferior and the rest are fully equal to group I. I should entirely support his grouping. but for one more dominant consideration.
7. Already the statistics show that the villages in the $\mathrm{m}_{2}$ (or 3 ) groups dọ not bear an equal or proportionate amount of taxation. One object justly
to be ensued is the equalisation of burdens. But all Sindkheda is far more lightly assessed than Gujarat, and many other parts of India. If it is not raised a full 33 per cent.; it will be assessed below the pitch of other talukas in Khandesh (i.e.; in proportion to its rents). Therefore the raising of the aggregate levy on the taluka is, in the interest of fairness and equalisation of burden more necessary than the levelling up of groups within the taluka. Mr. Garrett proposes to raise 27 group II villages 59 per cent. and (in order to prevent an excess over the 33 per cent. limit) he has to raise the rest of group I by only $22 \cdot 7$ per cent. and so lets 115 villages off 10 per cent. of the permissible (and fully justified) increase. Further he puts the heavy pressure of 59 per cent. increase on these 27 villages: the fairness of which they will not appreciate when their neighbours only pay 33 per cent. more.

## Rs.

8. Now if we raise 115 villages (group I) 33 per cent. from Rs. $2-12-0$ to Rs. $3^{-10-8[i n ~ r o u n d ~ a n n a s ~} 3-10-0$ ] we get an increase of

Rs. a. p.

The total increase would be $\quad . .11,04,608$
But Mr. Garrett's proposals leads to an increase of ..... 86,558
Hence the price we are asked to pay for a little levelling up of 27 villages is ... ... . .... 18,050

This sacrifice of Rs. 18,050 a year (conceded to the 115 villages of group I) only clears the way to put an increase of 59 per cent. on to the $\mathbf{2 7}$ selected villages of group II. In my opinion the fiscal rights of the Presidency must come first, and it is not fair to let Sindkheda remain 18,050 a year below the level it ought to pay on the most moderate basis, in fact the absurd basis, of the limit of 33 per cent. upon enhancements, when many other tracts are paying much more heavily.
9. While .I agree that Mr. Garrett's re-grouping is justified and admit that only 27 villages of group il really deserve a lower maximum rate than group I still I cannot accept it as it results in 115 villages being let off far too lightly, and unfairly. I would simply retain the existing division between group I and II, and level up old group III by inclusion into group II (as Mr. Garrett recommended) and so secure nearly 18,050 rupees more of rightfully due revenue.

- 10. Why is a 33 per cent. increase all round justified ? Rents show that the landlord now receives (whether he leases to a tenant or tills the soil himself) 585 multiples of the assessment as gross rant. Let it be urged that this is an inflated value due to the effects of the war. Can we have a great war, and no effects ?, In truth, the cause is not that vague mass of generalities "the War ", but the single concrete fact of the multiplication in India of paper currency and credit, going on irrespective of the war; and not materially reversed in its direction by any "deflation policy" since the war, and not likely to be. The inflation has come and will remain with us for many years. Twenty-four crores of Government loan are to be issued this month; this is so much more floating currency. So long as these processes continue, prices cannot come back. To base a settlement on the supposition that they will not be maintained, would be as rash as to buy Marks for a recovery. It is a will-o '-the-wisp, and opposed to solid facts; there cannot be much further fall of prices in India and rents will not recede materially, till the gross volume of our paper and silver currency, and of the floating and funded government debt is materially altered, which cannot be in my life-time.

11. But let us suppose rents are not 5.85 multiples but only say $4 \frac{1}{2}$ to be exceedingly moderate. Even so half nett assets [the standard with reference to which several provinces greater than Bombay are assessed] would entitle us to receive $2 \frac{1}{4}$; say 2 for further moderation. We demand not 2.925 or even 2.00 but $1 \cdot 33$, owing to the 33 per cent. rule: less than a quarter of the "nett assets". There is no possible room for argument. This at least we must have. We have no right to refuse funds for any project of education, sanitation, industrial development or even the proper remuneration of the services, if we refuse the revenue which under economic laws, and the immemorial right and custom of India belongs to the public and not to the Sindkheda landholder.
12. The issue in this settlement is purely one of principle. All over the Presidency there are inequalities of taxation between groups and talukas. Shall - we take, a proper revenue from Sindkheda inside the 33 per cent. limit, and miles inside the half-nett assets (or whalf unearned rent) standard, and leave some inequalities of treatment within the taluka (to which they are now accustomed) ; or shall we sacrifice Rs. i8,050 a year in pursuit of a rather higher degree of internal uniformity at the expense of 27 villages which will bear the brunt of it?
13. I had reached these conclusions long before I saw the Collector's report : and larefore welcome, him as an independent champion of exactly the same view.
14. I support Mr. Garrett's Patasthal proposals, though the rates in Mukti village are much too low.
15. I do not support the anomalous 26 years' settlement. It is no great advantage to have all Khandesh due for re-settlement simultaneously ; it puts a great strain on the staff. What we want is not so much simultaneous settiement as a fixed, declared, uniform, and justly defensible standard of assessment applicable at all times to all talukas alike, according to the value of land,

F. ANDERSON,<br>-Settlement Commissioner and Director of Land Records.

## Below No. S.T.-307, dated the 26th $\mathcal{F}$ une 1923, from the Settlement Commissioner and Director of Land Records.



Poona, 26th Fanuary 1924.

## Submitted to Government in the Revenue Department.

2. Mr. Garrett has submitted a careful analysis of the facts required for dealing with the re-settlement of the Sindkheda taluka, and although his conclusions may not be acceptable, his report is a model of what a Settlement Report should be.
3. The report deals with 166 Government and 2 inam villages. The current settlement expired in 1922-23 and the revision would have come into effect in the current year had this report been submitted in due time. Mr. Garrett wrote it apparently in 1922 (the copy among the papers is undated), the Collector corwarded it with his letter dated 18th April 1923 ; the Settlement Commissioner's endorsement dated 26th June was only received in this office on 5th July. The undersigned ascertaining unofficially that the report was too late to be dealt with in the revenue year expiring 31st July 1923, he therefore kept the case pending his tour in West Khandesh.
4. The salient features of the report are :
(1) The great improvement in communications during the current settlement, owing to the coming of the Tapti Valley Railway which runs through the whole length of the taluka, with five stations, three of which are important goods stations.
(2) The increase in prices. A comparison of prices at the beginning and middle of the lease with current prices is given below :-

(3) An increase in wells by 50 per cent. and the doubling of the area of -irrigated crops in the course of the settlement.
(4) An increase of 19 per cent. in the number of carts, in spite of the opening of the railway; one-third of the number being 'chhakras' or passenger vehicles.
(5) The large proportion of the land, over 90 per, cent., held by agriculturists.
(6) The excellent revenue history. Rainfall is not perhaps as certain as in the greater part of Khandesh; but suspensions have been granted when crops have failed, and failures have come so infrequently that there has been hardly any need of granting remissions.
(7) The importance of the cotton crop which now occupies $44^{4} 4$ per cent. of the cultivated areas, as against $33^{6}$ per cent. during the years immediately preceding the commencement of the current settlement. For the increase in the value of this crop see (2) above.
(8) The remarkable increase in the value of land, as shown by the statistics of sale-prices and rentals.
5. In the light of these facts Government are fully justified in taking the maximum increase permitted under the standing orders. The Commissioner
agrees with the Collector and Settlement Commissioner that it is preferable to keep the old groups I and II as they are, and obtain the increased revenue that accrues therefrom, rather than follow Mr. Garrett's suggestions which on the one hand involve an unnecessary loss to Government of nearly Rs. 16,000 , and on the other require the ryots of 27 villages to pay an increase amounting to 58.8 per cent. on existing rates. In the Commissioner's opinion groups I and II should be given a maximum rate of Rs. $3-10-0$ and Rs. 2-1 $3-0$, the percentage increase on the existing assessments working out at $3^{\prime} 8$ and $3^{\circ} 3$ per cent. respectively.

As regards the old group III the Commissioner prefers to adopt the Collector's proposal and keep it as it stands in a separate group, with a maximum rate of Rs. 2. Mr. Garrett's proposal to include the three villages concerned in his new group II would mean a percentage increase of 83.3 per cent., while Mr . Anderson's proposal involves an increase of $91^{\wedge} 6$ per cent. These three villages are admittedly badly off for climate, soil and communications. In the settlement of 1893 their maximum rate was raised from Rs. I-4-O to Rs.I-8-o, an increase of 45 per cent.' That they are poor villages is shown by the fact that their average assessment is only 5 annas 2 pies per acre. It appears from Appendix $M$ that unoccupied land in these villages stands at very nearly. the same figure ( 392 acres as against 418) as it did 30 years ago.. That the soil in these three villages is considered of poorer quality than in the villages immediately adjoining them has been verified by the Commissioner by local enquiry. The argument that soil differences must be met by difference in classification, and not by difference in grouping is one that does not appeal to him ; although it may be sound in theory, in practice it is frequently found wanting.

The total assessment of the three villages together is only Rs. 791 at the existing rates. Of this Rs. 299 is inam, leaving Rs. 492 as the Government share. It will be seen that a 91 per cent. increase will bring a very trifling sum into. the Government coffers. It will, however, be regarded as a real hardship by the ryots concerned.

For these reasons the Commissioner recommends that group III be retained with a maximum rate of Rs. 2.
6. The guarantee should be for 30 years as recommended by the Settlement Commissioner. The disadvantages of a simultaneous settlement of a large number of talukas outweigh the advantages ; and a 30 years' guarantee is a form of security that is intensely appreciated by the ryot.
7. Mr. Garrett's proposals as regards patasthal in paragraph 26 of his report may be approved.

G. W. HATCH, Commissioner, C. D.

## Revision Settlement.

Sindkheda Taluka, West Khandesh District.
Second - of,"
GOVERNMENT OF BOMBAY.
Revenue Department.
Resolution No. 201/24.
Bombay Castle, 14th July 1924.

Resolution.-These papers contain proposals for the second revision settlement of 166 Government villages and two inam villages ir the Sindkheda Taluka of the West Khandesh District.
2. The history of the current settlement is one of considerable advancement. The taluka is now well provided with local markets, railway and communications. The rainfall has been uniformly good except for the two bad years of 1911 and 1918. The prices of food-grains and the value of land as shown by the statistics of sale-prices and rentals have increased. Population has also increased. There has also been an increase in wells and the doubling of the area of irrigated crops. Government therefore consider that the rates of assessment should be increased up to the permissible limit of $33^{\frac{1}{3}}$ per cent. They accordingly accept the Commissioner, Central Division's proposals as regards grouping and rating.
3. Mr. Garrett's proposals as regards patasthal contained in paragraph 26 of his report are approved.
4. The Settlement Officer's proposals relative to the inam villages are also approved.
5. The revised rates should be introduced during the current revenue year 1923-24, levied from 1924-25 and guaranteed for a period of 30 years,

> By order of the Governor in Council,
H. K. KIRPALANI,

Accting Deputy Secretary to Government.
To
The Commissioner,
C. D. (also
by The Director of Agriculture, The Accountant General, memorandum),
The Collector of West Khandesh,
The Settlement Commissioner and Direc. The Finance Department, tor of Land Records (also by The Government of India (by Petter). memorandum), Ca 3 - 14

## REVISED APPENDIX:



DIX L.
land in the Sindkheda Taluka of the West Khandesh District.



DIX L-sontinued.

ca 3-16


DiX I-comtinued.



## DIX L-concld.


V. B. NAIK,

Acting Superintendent, L. R., C. D.


[^0]:    Note, $\sim$ The village Valjepur is omitted.

[^1]:    н $680-23^{*}$

[^2]:    - 101 -9

[^3]:    Nors.-Revised Appendiz I for Government villages not neoessary as Government have approved of the Settio ment Officar's proposale.

