## SELECTIONS FROM THE RECORDS OF THE BOMBAY GOVERNMENT.

## No. CCXVIII.-Nrw Serirs.

## PAPERS

## RELATING TO THE

# REVISION SURVEY SETTLLEMENT OF 224 VILLAGES OF THE KHANA'PUR TALUKA 

OF THE

## BELGAUM COLLECTORATE

AND

SIX VILLAGES OF THE DHA'RWA'R TA'LUKA

OF THE
DHÁRW̌ÁR COLLECOTORATE.

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PRINTRD AT THE GOVERNMENT CENTRAL PRESS.
1888.

INDEX TO THE CORRESPONDENCE ON THE REVISION SURVEY SETTLEMENT OF 224 VILLAGES OF THE KHANAPUR TALUKA OF THE BELGAUM COLLECTORATE AND 6 VILLAGES OF THE DHARWÁ TALUKKA OF THE DHARWAR COLLECTORATE TRANSferred to that táluka from the khánápur taluka SINCE THE FIRST SETTLEMENT.



No. 299 of 1887.
From

H. K. DISNEY, Esquire,<br>Deputy Superintendent, Revenue Survey, S.M.C.;

To.

## The COLLECTOR of BELGAUM.

## Deputy Superintendent's Office, Kurunvád State, Camp Vadgaon, 12th May 1887.

## Sir,

I have the honour to submit proposals for the revision survey settlement of 224 villages of the Khánápur Táluka of your Collectorate and for 6 villages which have since the first settlement been transferred from the Khảnápur Taluka to the Dhárwár Táluka of the Collectorate of the same name.
2. At the time of the first settlement the Khanápur Taluka consisted of 270 . villages, of which 248 were Government and 22 Inam.
3. Twenty-nine villages, of which 24 are Government and 5 Inám, have since been transferred to the Belgaum Táluka; 7 villages, 6 Government and 1 Inảm, to the Dhárwar Collectorate; 2 villages bave been given in inam and 2 Inam villages have lapsed to Government; while 6 villages, formerly of the Kittur Peta, have been added to the táluka. These changes have brought the number of villages of the táluka to 240 , of which 224 are Government and 16 Inám.
4. The 230 villages- 224 of the Khánápur Táluka and 6 of the Dhárwár District-dealt with in this report were originally settled in the years and under the authority shown below :-

| Number of Villages. | Old Division. | Year of Settlement. | Present Talaka. | Government Sanction. |
| :---: | :---: | :---: | :---: | :---: |
| 6 | Kittur Peta | 1853-54 | Khánápur | G. L. No. 20 of 5th January |
| 113 | Bidi Táluka | 1854-55 ... | Do. ... | G. L. No. 1825 of 3rd May |
| 103 | Do. | 1855-56 | Do. ... | G. L. No. 1697 of 1856. |
| 1 | Inám village lapsed | 1856-57 | Do. . ... | No formal sanction: |
| 1 | Dio. ${ }_{\text {Do }}$ | $1858-59$ | Do. - ... | Do. do. ${ }^{\text {d }}$ |
| 6 | Bidi Taluka - .. | 1854-55 : | Dharwár ... | G. L. No. 1825 of $3^{3}$ r May 1855. |

5. With the exception of one village, in which changes in the boundaries of fields made entire remeasurement advisable, the partial system of remeasurement was applied in all the villages under report. The result is shown below :-

| $\begin{gathered} \text { Old Non. } \\ 7,092 \end{gathered}$ | $\begin{aligned} & \text { Aeres. } \\ & 65,316 \end{aligned}$ | remeasured became | $\begin{gathered} \text { New Nos. } \\ 8,458 \end{gathered}$ | $\begin{array}{r} \text { Acreas } \\ 66,601 \end{array}$ |
| :---: | :---: | :---: | :---: | :---: |
| 13,887 | 3,27,802 | confirmed do. | 13,887 | 3,27,802 |
| 20,979 | 3,93,118 |  | 22,345 | 3,94,403 |

In the one village wholly remeasured the result was as follows :-


The combined result, as regards numbers and areas, is thus:-

| No. of Villages. | Old Nos. | Old Acreas. | New Nos. | New Acres. |
| :---: | :---: | :---: | :---: | :---: |
| 230 | 21,020 | $3,93,363$ | 22,396 | $3,94,652$ |

6. The differences in areas of individual fields are tabulated below:-

| Number of Tillagea. | Totad Oid Survey Numbera. | Dipfrrinces mitmis |  |  |  |  |  | Numbers included villa siten, | $\begin{gathered} \text { Confrm- } \\ \text { ed. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 por cent. | $\begin{aligned} & 2 \text { to } 5 \text { per } \\ & \text { cont. } \end{aligned}$ | $\begin{aligned} & 6 \text { to } 10 \text { pent. } \\ & \text { oent. } \end{aligned}$ | 11 to 15 per cent. | 16 to 20 per | Over 20 per cent. |  |  |
| 230 | 21,020 | 1,516 | 2,623 | 766 | 260 | 106 | 189 | 1,673 | 13,887 |

The difference thus exceeds 5 per cent. in 1,321 fields, or in 24.2 per cent. of the total number of fields measured. These differences in the areas of individual fields are more apparent than real, because a large proportion of the survey numbers remeasured were minute rice holdings, and the percentage difference in area, caused by a small addition or subtraction of area in these plots, is very large.
7. The causes of differences over 15 per cent. are shown in the subjoined statement :-

8. Under the partial system of reclassification the following proportion of the old work was re-done:-
(1) Of old numbers, which were originally classed over 10 annas 6 pies, 10 of the first and 5 of subsequent hundreds of numbers.
(2) Of eld numbers which were originally classed under 10 annas 6 pies, 20 of the first and 10 of subsequent hundreds.
(3) A minimum of 8 numbers in all villages.
(4) The water-supply of all rice land and of all garden land irrigated by channels from nálás was reclassed.
9. In the 230 villages under report, 6,492 survey numbers containing 63,792 acres were actually reclassed, or a percentage of 29 of numbers and $16 \cdot 2$ of acres. The figures given exclude village sites, roads, nalás, \&c. From the results thus obtained, the remainder of the old work was either confirmed or adjusted to the present standard of classification.
10. In the subjoined table the area under the different descriptions of cultivation and the unarable area, as obtained by former and revision survey, is contrasted :-

| Deacription. |  |  |  |  | By old Survey. | By Revision Survey. | Difference. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Arable dry crop ... <br> Rice $\ldots$ <br> Garden $\ldots$ <br> Unarable hill  <br> Unc.  | $\cdots$ | $\cdots$ | .. | ... | 126,085 | 125,332 | -758 |
|  | ... | ... | ... | ... | 46,911 | 46,772 | -139 |
|  | ... | ... | ... | ... |  | 163 | +148 |
|  | ... | ... | ... | ... | 220,352 | 222,385 | +2,033 |
|  |  |  | Tota |  | 393,363 | 394,652 | +1,289 |

11. The difference between the total areas recorded by the old and the revision survey thus amounts to 1,289 acres, or 3 per cent.
12. The Khánápur Táluka is situated in the south-west of the Belgaum Situation. District, and is bounded on the north by Belgaum, on the east by Sampgaon and Dhárwár, on the south by Nợth Kánara, and on the west by Goa and Sávantvádi. Khánápur, the táluka town, is 16 miles due south of Belgaum.
13. (Belgaum Gazetteer).-The túluka is varied, and in parts beautiful.

Physical oharacteristics. Especially in the south and south-west it is crowded with hills and dense forest, the people are few and north-west, near Bailur in Belgaum, the hills are especially lofty, their bases far stretching, their outlines bold and clear cut, and their sides clothed with rich evergreen brushwood. In the centre, north-east, and east along the Malpraba valley the country is an open, well-tilled, black-soil plain, with many rich and populous villages.

Mr. Francis, Assistant Superintendent, under whose immediate supervision nearly the whole of the taluka was classed, writes :-"Commencing south of Bidi
there is a distinct range of hills running south into the village lands of Tavarkatti. This range seems to have a good deal of influence on the dry-crop cultivation. West of it, in the Ghotgalli valley, jowári crops, if grown, are poor, and the dry cultivation is almost confined to náchni, rála, sáva, and amall kinds of grain." The only river of any importance is the Malpraba, which rising in the village lands of Kankumbi runs west to east. Besides the Malpraba many of its local feeders hold water till the middle of the hot weather.
14. The rainfall all over the taluka is heavy and certain, and very suitable Cliraste.
Appendir 4. for rice, which is the staple crop. In the north-eastern portion from about Khánápur to the Sampgaon boundary and again in the portion south of Bidi, narrowing to Pur in the extreme south,-that is, the country east of the range noted by Mr. Francis,--good jowári and other dry crops are raised in spite of somewhat excessive rain. The rainfall at the táluka town of Khánápur for the last ten years averaged 66 inches. At Halyal, in North Kánara, which lies due south of the eastern villages, the average for the last ten years was 48 inches. At Supa, in North Kánara, which is not quite 20 miles west of Halyál, and which is due south of Khánápur and 10 miles from the southern border of the talluka, the average fall for the last ten years was 92 inches ; and at Chandgad, of the Belgaum Talluka, which is due north of the extreme western villages, the average fall in the same period was 96 inches. The range of hills, noticed in the last paragraph, probably marks an abrupt transition in the rainfall, which, it will be observed, nearly doubles in quantity within the 20 miles between Halyal and Supa.
15. There are in the táluka 60,123 acres of Government land under early Crops.
Appendix B.
crops, as compared with 3,480 acres under late. Rice
covers nearly half the cultivated area. Of 6,374 acres of jowári, shown in the return as grown in Government land, 5,696 acres are in the villages of the eastern portion of the taluka. The southern and western villages hare hardly any dry-crop tillage. A little náchni is grown, but the area under rice is alone considerable.

In the 6 villages transferred to the Dhárwár Collectorate, for which details of cultivation are separately shown in Appendix B, the late crops are of little importance. There is a fair amount of jowári and náchni grown, but here again rice largely predominates over any other crop.

In Khánápur, as in the Belgaum Táluka, there is a large extent of land under grass and for the same reason, to provide pasturage for the large stock of working cattle required in a district where rice is so extensively grown.
16. Regarding cultivation, Mr. Francis writes :-"There is nothing to call

Cultivation.
for particular notice in the methods of cultivation. When obtainable, manure is applied to both rice and dry-crop lands, but preference is given to the former. When practicable, rice is sown by drill, but in the Gbát country and in some of the very. low-lying rice lands, planting out has to be resorted to. In these cases the rice is grown in seed-beds which have previously been carefully prepared. Ráb cultivation is also the rule with the dry crops in the Ghát villages, both cow-dung and wood being used for fuel. A hot-weather ('Vaingan') rice crop is grown in the bed of the Malpraba near its source and generally in the beds of all the nálas in the Ghát villages. . In these latter villages the greater portion of the rice lands grow a hot-weather crop, but in very few instances are two rice crops obtainable in the year. Coffee is cultivated within the village sites and in evergreen jungle numbers in all villages where the rainfall is sufficient. The garden land is very insignificant in extent. In a few villages to the west and in Kelil and Holde, (the only two villages lying below the Ghát line), cocoanuts and supári palms are sparsely grown. Plantains can be obtained in any portion of the Ghát country. Second crops of peas, beans, gram, massur, \&c., are grown in the rice lands where the soil is of a sufficiently productive nature and is favourably situated. The larger kind of sugarcane is little cultivated, but the small kind is generally grown where water can be supplied till the end of January."
17. At the time of the first settlement there were no made roads in the

Commauications. taluka. There are now several. Of provincial roads, one ruxis south from Belgaum to Khánápur and from thence south-east by Nandgad and Bidi, crossing the Dhárwár-Tinái pass road
at Ninganmat and passing on to Halyál, in North Kánara. A branch road connects Bidi with Kittur on the Belgaum-Dhárwár high road. A second provincial road, the Dhárwár-Tinai pass, runs through the southern part of the taluka by Nágargali to the Tinái pass in Kanara, and a third passes due south from Kbánápur through Gunji, where is a railway station to Sitavda on the DhárvárTinái pass road, and so on to Supa in Kánara. Of these provincial roads some are partly bridged, and all are passable for cart traffic the year round. There are also many local funds, slightly repaired roads, which are mostly little better than tracks. Of these may be mentioned a road from Macha, on the Belgaum-Khánápur road, which goes through Jámboti to Kankumbi, where it splits, one branch leading 6 miles to the Mangeli pass and the other 7 miles to the Chorle pass. Jánboti is connected with Khánápur by a road ten miles in length, and from Khánápur again a road runs south-east by Hemádge, 22 miles, to the Kel pass. A new road has been made joining Nandgad by way of Halsi to the Tinái pass road at Nágargali, where is a railway station. A glance at the map, which accompanies this report, will show that the taluka generally has during the term of the settlement been fairly opened out for cart traffic.

The 6 villages which have been transferred from Khánapur to Dbárwár are very well situated as regards communications. The road from Khánápur to Halyal, mentioned above, passes through them, as also the Dhárwár-Tinái pass road. Both these roads are passable for carts throughout the year.
18. The Bellary-Mormugao section of the Southern Marátha Railway The Railway. traverses the southern portion of the taluka. Entering at Pur, in the extreme south-east, and passing west for about 21 miles, it leaves the táluka a little beyond Londa, which is distant 185 miles from Bellary and 70 from the port of Mormugao. There are railway stations on this section at Londa, Nágargali, and at Álnávar. The last named is one of the $6 \mathrm{Dharrwár}$ villages treated of in this report, and is situated about a mile from the Khanipur boundary.

The West Deccan or Poona-Londa section of the same railway, which joins the táluka with Belgaum and Poona, branches from Londa, and ruuning due north crosses the Malpraba River, and leaves the taluka after a course of about 18 miles a little north of Khanápur. There are stations on this section at Gunji and Khánápur.

The táluka has thus 39 miles of railway and 4 stations. The line for the most part runs through dense forest and a sparsely populated region, and it is probable that, for some time to come, Kıánápur will be the only place at which much traffic will be received; but the roads, which have spread over the táluka since the first settlement, bave brought all the more populous villages into easy communication with Khanápur, and from thence the surplus produce of the talluka gains an easy outlet to the coast at Mormugao, distant but 84 miles by rail.
19. Nandgad, about 7 miles south-east of Khánápur, is the principal market Markets. of the tíluka, and is also an important trade centre. Appendix 0 . It has a number of resident traders, some of whom are agents of coast and inland dealers. The value of the sales recorded in Appeudix C shows that Nandgad is a market of not mere local significance; but it seems doubtful, now that railway communication has been established, whether it will long retain its present importance. Markets are also held at Khánápur, Párasvád, Jámboti, Bidi, Ghotghali, and Kankumbi. 'l'he latter, Mr. Francis mentions, is a small market beld chiefly for the sale of fruit brought from below. Gháts and largely bought up by Belgaum traders. Markets at Alnávar and Kittur; outside the taluka, are attended by the villagers living on the eastern boundary.

The 6 Dhárwár villages have Alnávar as a market, and are within easy reach of the larger market of Halyál in North Kánara.
20. The chief imports are jowári, wheat, and gram from Nargund, Naval.

Imports and Exports. Gund, Gadag, and Hubli; sugar and tobacco from cocoanut oil, salt, and dates, which come principally from Goa.

Rice is the chief export, and a preparation of rice called 'Churamuri.'
21. The population is almost entirely agricultural. There are a few cotton looms in the 6 villages of the old Kittur Peta, Manufacturea. but none in any of the other villages. The preparation
of rice, called "Churamuri," has been referred to as an export. Its manufacture forms an industry of great importance in the towns of Khánapur and Nandgad where it gives employment to upwards of 700 persons, principally of the class known as Nárvekars. Mr. Francis states, that 'Churamuri' is prepared to the value of ten thousand rupees a month, and that it is exported by the cart-load to long distances, it having quite ${ }^{\circ}$, name over an extensive tract of country.
22. The area of the 224 villages of the taluka treated of in this report Incidence of Population. is 605 square miles, the total population is 79,030 , giving an average density to the square mile of 131.
The area of the 6 villages transferred to the Dhárwar District is 12 square miles, and the total population 3,348 , giving an average density of 279 to the square mile.
23. The statement following is an abstract of the appendices noted in the Appendices $D$ and $E$. margin, and contrasts, for the 224 villages of the taluka, the statistics prepared at the time of original survey with those obtained in the month of July last, when the special census was taken by the Revenue Department for the purposes of the revised settlement:-

|  |  |  |  | Year of Settlement. | 1886. | Increase. | Decrease. | Percentage. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Population | $\cdots$ | ... |  | 69,794 | 79,030 | 9,236 | *** | 13.2 |
| Houses | "•• | - ${ }^{\prime}$ |  | 14,063 | 17,002 | 2,939 | - | $20 \cdot 9$ |
| Agricultaral cattle |  | $\cdots$ |  | 22,925 | 32,685 | 9,760 | - | $42 \cdot 6$ |
| Cows, buffaloes, and | their |  |  | 38,068 | 29,716 | - | 8,352 | 21.9 |
| Sheep and goats | ** |  |  | 3,840 | 4,466 | 626 | ... | $16 \cdot 3$ |
| Carts ${ }^{\text {c... }}$ | ... | ... | . | 948 | 2,925 | 1,977 | ... | $208 \cdot 5$ |
| Horses and ponies | ... | ... | -. | 374 | 330 |  | 44 | $-11.8$ |
| Wells and budkis | $\cdots$ | .** | ... | 691 | 953 | 262 | .. | 37.9 |
| Tanka * | ... | ... | $\cdots$ | 192 | 192 | ** | $\cdots$ | $\because$ |

\footnotetext{
A similar statement is given below for the 6 villages of the taluka which have been transferred to the Dhárwar Collectorate:-

24. I defer comment on the statistics here given for the taluka as a whole, as their significance may be better estimated by a consideration of them in the form they take further on in this report, viz, as given separately for each of the groups of villages into which it is proposed to divide the taluka for the purposes of the revised settlement.
25. The figures given in Appendix $\dot{G}$ were furnished for Government Schoola - schools by the Educational Department. Those for Appendir $G$. private schools were collected by the classing establishment.
In the 224 villages of the Khánápur Taluka, dealt with in this report, there are 23 Government schools. Of these 22 are boys' schools with an average attandance of 1,063 , and one is a school for girls with an average attendance of 37. There are 9 private schools attended, on an average, by 118 boys. It will be seen, from Appendix $D$, that the percentage of readers in the population has
increased from 26 to 5 .

In the 6 villages transferred to the Dhárwár Collectarate there is one school for boys with an fiverage attendance of 60 . The percentage of readers in the population of these 6 villages has increased from 1.3 to $5 \cdot 2$.
26. The usual information regarding sub-tenures is given in Appendix H.

Sub-tenures.
Appendix H . 50.1 per cent. of the total numbers of the 224 villages are cultivated by the occupants themselves or in partnership, 23.1 are sub-let for money, and 10.2
for grain payment.
In the 6 villages transferred to the Dhárwar Collectorate, $34 \cdot 7$ per cent. of the total numbers are cultivated by the occupants themselres, 6.8 are sub-let for money, and 51.8 for grain payment. There are altogether in these 6 villages 662 Government occupied numbers. The unusually high percentage of sub-lettings in the 6 Dhárwar villages is due to the fact that a good deal of land is beld by the non-cultivating classes, principally by Bráhmins and traders of Halyál and Alndvar.
27. Appendices J, K, and L are státements, drawn up from information Appendices $\mathfrak{J} ; \mathbb{K}$, and L supplied by the Sub-Registrars of the Khánapur and Dhárwár Tálukás, of all cases of sales, leases, and mortgages effected during the five years from 1881 to 1885 . The value of land in the táluka may be, in a measure, judged from them. Transactions in which property other than land was concerved, have been eliminated.
28. The sales recorded in Appendix J for the 224 villages of the Khand. pur Taluka are all private sales. There are no sales by decree of Court. The 132 cases of sale, of which particulars are given in the return, involve 1,322 acres with a total assessment of Re. 1,733, or an average of Re. 1-5-0 per acre. The selling price was Rs. 38,806 ,-a sum equal to $22 \cdot 4$ times the survey assessment, or an average of Rs. 29-5-8 per acre.

In the 6 villages transferred to the Dhárwar District there were, by the return, 9 cases of sale of land-all by private contract. The area sold was 157 acres, with a total assessment of Rs. 180, or an average of Re. 1-2-4 per acre. The selling price was Rs. 2,785, or $15 \cdot 5$ times the survey assessment, or an average of Rs. 17-1 1 -10 per acre.
29. The 115 cases of sub-letting recorded in Appendix K for the 224 villages of Khánápur affect 1,369 acres with a total assessment of Rs. 1,769, or an average rate per acre of Re. 1-4-8. The aggregate amount for which this land was sub-let, viz. Rs. 40,813 , gives a yearly average on the duration of the leases of Rs. 4,407 , or $2 \cdot 5$ times the survey assessment, the average sub-letting rate per acre being Rs. 3-3-6.

It will be seen from the return of sub-lettings (Appendix K) and also from the mortgage return (Appendir L) that, in the case of rice land, payment of interest on the debt incurred is, as a rule, made in produce. In calculating payments in produce, which are here made in rice in the husk, the 'Kudar', the measure generally specified, is the twentieth part of a khandi, and is taken as the equivalent of Rs. 5. The 'Kudav' in the 'Khánápur Táluka equals 120 sers, which at the present market value of uncleaned rice has a money value of Rs. 5 , aud this value is also assigned to it in the returns.

There is one case only of sub-letting recorded for the 6 villages transferred to the Dhárwár Collectorate. 16 acres with an assessment of Rs. 22, or an average of Re. 1-6-0 per acre, were sub-let for Rs. 200, paid in advance; and a yearly payment of Rs. 11, which together represent an equivalent largely in excess of the Government assessment.
30. In Appendix L are recorded for the 224 villages of the Khánápur Táluka 268 cases of mortgage affecting 3,052 acres with an assessment of Rs. 3,979. The total amount advanced on the security of this land was Ks. 84,577. For the 6 Dhárwár villages there are recorded 5 cases of mortgage affecting 74 acres with an assessment of Rs. 122. The total amount advanced on the security of this land was Rs. 1,640.
31. Appendix $M$ gives a record of prices from 1844-45 to 1885-86 for the

Prices.
Appendix M. markets of Belgaum and Nandgad. There is also a record given for the market of Kinanápur, but it is only complete for recent years. The statement for Belganm
and Nandgad is divided into 4 periods-the first 3 of ten years each, and the last of twelve years. The prices shown for these two markets do not, of late years, differ materially ; but it will be as well, for the purposes of this report, to take the prices given for the Belgaum market, as they have been considered in connection with revision settlement proposals for all the western talukás of the Belgaum District.

Taking jowari, náchni, and cleaned rice, the average of each for the periods noted, in the Belgaum market, was as shown below :-

| Period. |  |  |  |  | Jowari. | Náchni. | Cleaned Rice. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\left.\begin{array}{l} \text { Before Set- } \\ \text { tlement... } \end{array}\right\} 10 \text { years, 1844-45 to 1853-54 }$ |  |  | $\cdots$ | $\ldots$ | 40 | 44 | 26 |
| 10 years, 1854-55 to 1863-64 | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | 27 | 32 | 18 |
| 10 do. 1864-65 to 1873-74 | $\ldots$ | ... | ... | - | 19 | 21 | 10 |
| - 12 do. 1874-75 to 1885-86 | ... | ... ${ }^{\text {a }}$ | ... | $\ldots$ | 19 | 23 | 11 |

The second and third periods comprise the years of the American Civil. War, during which very high prices prevailed, and the fourth period includes the high prices of the famine years. There is in each period a counterbalancing account of low prices, so that the averages given may be accepted as fair.

Taking the figures of the twelve years from 1874-75, and contrasting them with the figures for the first ten years of the settlement, viz., from 1854-55 to 1863-64, the price of jowari may be said to have increased $42 \cdot 1$ per cent., of náchni $39 \cdot 1$ per cent., and of rice 63.6 per cent. during the years of the settlement, which amounts to a very substantial rise. The price of rice, the staple crop of the district, has risen lately, and it seems safe to assume that the opening of the railway will prevent a recurrence of low prices.
32. Appendix $N$ is divided so as to show separately the revenue history of

Revenue History. the villages comprised in each settlement. Of the 230
Appendix N. villages under report, 6, formerly of the Kittur. Peta, were settled in 1853-54; 113 were settled in 1854-55; 103 in 1855-56; and Goliyáli and Tarvád, lapsed inám villages, in 1856-57 and-1858-59 respectively. The revenue history of the 6 villages transferred to the Dhárwár District, which were settled in 1854-55, is given separately.

The revenue history calls for little comment. Here, as in other talukas, a sudden increase in cultivation followed on the introduction of the survey rates. The increase was at first proportionately greatest in the- 103 villages of the settlement' of 1855-56, which are situated in the south and west, a portion of the taluka described as formerly mostly covered with dense jungle, and which has since, save for the few clearings near habitations, little altered in character. The area of cultivation in these villages at once rose from 11,395 to 20,058 acres, and the rise continued until 1861-62, in which year cultivation in this part of the táluka reached its highest point. In the few succeeding years some 3,500 acres of land of poor quality was abandoned. During the last twenty years, cultivation and collections have remained much at the same level.

In the other villages of the táluka the rise has been gradual and sustained. There are no outstandings shown for any village during the term of the settlement, and the remissions granted are quite insignificant.

The revenue history of the 6 villages transferred to the Dhárwár District shows a steady and almost unvaried increase in cultivation and collections. There have been no remissions of revenue for the last thirty years, and there are no outstandings.

The record of unoccupied assessed waste, as rendered by the Mámlatdár, exceeds by 2,508 acres that obtained by revision survey, the explanation probably
being that the Mámlatdar's return still shows, as unoccupied essessed, being that the Mámlatdar's return still shows, as unoccupied assessed, some land which has from time to time been included in forest reserves.
33. The following figures, supplied by the Mámlatdár of Kbánápur, show the pressure used in collecting the land revenue in the 224 villages during the last three years. The survey holdings in Government land are upwards of sixteen thousand :-

| Year. |  |  |  |  | Number of Villages. | $\begin{aligned} & \text { Number of } \\ & \text { Noticesen } \end{aligned}$ | Number of Camen in which restraint was reaorted to. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1883-84 ... | $\cdots$ | ... | ... | ... | 74 | 304 | 8 |
| 1884-85 ... | . 0 | - | ... | ... | 62 | 150 |  |
| 1885-86 :.. | - | - $*$ |  | ... | 58 | 138 | 1 |

Similar information supplied by the Mámlatdár of Dhárwar is given in the following statement for the 6 villages transferred to the Dharwar District. The survey holdings in Government land are upwards of 600 :-

| Yeas, |  |  |  |  |  | Nrimber of Villages. | Number of Notices. | Number of casen in which reatraint wan renorted to. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1883-84 ... | - | ... | - 0 | Jov | $\cdots$ | 2 | 4 | ...... |
| 1884-85 . | . | -. | $\cdots$ | ... | , | 2 | 8 | ...... |
| 1885-86 ... | . | ... | ... | ... | ... | 1 | 2 | ..... |

34. In Appendix $\mathbf{P}$ is given the revenue history of 20 villages of the Supa Taluka of North Kánara which touch upon the southern boundary of the Khánápur Táluka. Survey rates were introduced for the first time into 3 of these villages in the year 1864-65 and into 17 in 1872-73.

Appendix $\mathbf{P}$ also gives the revenue history of 4 villages of the Dbárwár Taluka which adjoin the 6 villages transferred from the Khánapur Taluka, Revised rates were introduced into these 4 villages at the settlement of the Dhárwár Táluka in 1879-80. The remissions recorded are, for the most part, those which it is usual for Government to temporarily concede on the introduction of a settlement, $i$. e., remissions of enhancements of revenue much in excess of the old rates.

The villages of the Sampgaon Táluka; which adjoin the Kbanápur boundary; were settled so recently that there has not been time to judge of the effect of the revision rates, gnd no account of their revenue history has, therefore, been called for.
35. By the original settlement the villages of the taluka were divided into 6 classes. The first class, with a dry maximum of Re. 1-4-0, comprised 12 villages situated in the north-eastern corner. The villages of the 2 nd class, 24 in number, with a dry maximum of Re. 1, were west of those of the lst class. The remaining villages were divided into 4 classes" with rates falling, as they approached the Sahyadris, from 14 annas to 8 annas, which last was the rate fised for 16 villages on the verge, face, or at the foot of the Ghát range.

It is now proposed to again divide the táluka into 6 groups, which mainly follow the former divisions-the only change being in the grouping of a few villages in the south-east of the taluka. The proposed groups and rates are as follows :-

Group 1.-Eighteen villages. Dry-crop maximum Re. 1-8-0. Rice rate, as at present, Rs. 8:- These villages are situated in the north-east of the taluka, and include the 6 villages transferred from the Kittur Peta. Fair dry crops are grown in them, they are well situated as regards markets, and are about 10 miles distant from the railway.
Group II.-Twenty-one villages. Dry-crop maximum Re. 1-4 0. Rice rates as at present, viz., Rs. 9 and 8. To the west of the preceding group. Climate less favourable for dry crop. Are well off as regards markets, and within easy reach of the railway.
Group III.-Fifty-eight villages. Dry-crop maximum Re. 1-2-0. Rice rates as at present, viz., Rs. 8, 7, 6, and 5. West and south of the last group, and includes the 6 villages transferred from Khánápur to the Dhárwár Collectorate. Well off for markets, Nandgad, Khánápur and Alnávar being villages of the group. The Bellary-Mormugao section of the Southern Maratha Railway passes through the 6

Dhárwár villages, with a station at Alnávar within the group. The West Deccan section of the same line, branching from Londa, passes through Khanapur and the northern villages of the group. The Khámápur-Halyal road is of great service to the eastern portion of the group. Climate still admits of dry-crop tillage.
Group IV.-Fifty-five villages. Dry-crop maximum 14 annas. • Rice rates as at present, viz., Rs. 6,5 , and $4-8-0$. To the west of the preceding group. Are within easy reach of the Nandgad and Khánapur markets. Lie near the railway, and have a station at Gunji within the group. Climate not suitable for dry-crop tillage.
Group D.-Sixty-four villages. Dry-crop maixmum, as at present, 10 annas. Rice rates, as at present, Rs. 4-8-0 and 4 and 6. To south and west of preceding group. Covered, for the most part, with dense jungle, with here and there clearings. The railway traverses the southern portion of the group, with a station at Londa. - Climate .unfit for drycrop tillage.
Group VI.-Fourteen villages. Dry-crop maximum, as at present, 8 annas. Rice rates as at present, viz., Rs. 4. Situated on the verge, face, and at the foot of the Ghat range. Population sparse, and communications poor. Climate unfit for dry-crop tillage.
36. The following statement contrasts separately for each group the statistics which are given for the taluka as a whole in paragraph 23 :-

First Group, 18 Villages.

|  |  |  |  |  | Year of Settlement | 1886. | Increase. | Decrease. | Perceantage. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Rs. | Rs. | Rs. | Rs. |  |
| Populstion ... | ... | ... | ... | ... | 10,394 | 12,947 | 2,553 | ... | $24 \cdot 6$ |
| Houses |  | $\ldots$ | ... | ... | 2,082 | 2,614 | 532 | ... | $25 \cdot 6$ |
| Agricultural cattle |  |  | ... | -. | 3,634 | 4,431 | 797 |  | $21 \cdot 9$ |
| Cows, buffaloes, and | thei | young | ... | $\cdots$ | 5,558 | 4,211 |  | 1,347 | -24.2 |
| Sheep and goats | ... | ... | ... | $\cdots$ | 145 | 352 | 207 | ... | 142.8. |
| Carts ... | ... | ... | ... | ... | 147 | 622 | 475 | ... | 323.1 |
| Horses and ponies | $\ldots$ | ... | ... | $\cdots$ | 62 | 82 | 20 | ... | $32 \cdot 3$ |
| Wells and budkis | ... | $\cdots$ | ... | $\cdots$ | 123 | 183 | 60 |  | 48.8 |
| Tanks... |  |  | ... | ... | 62 | 57 | ... | 5 | -8.1 |
| Second Group, 81 Villages. |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Houses | ... | ... | ... | ... | 1,526 | 1,887 | 361 | ... | $23 \cdot 7$ |
| Agricultural cattle. | $\ldots$ | ... | ... | ... | 3,226 | 3,532 | 306 |  | $9 \cdot 5$ |
| Cows, buffaloes, and | thei | young | $\cdots$ | $\cdots$ | 4,401 | 2,951 |  | 1,450 | $-32.9$ |
| Sheep and goats | ... | ... | ... | ... | 358 | 594 | 241 |  | 68.8 |
| Carts ... ... | $\ldots$ | ... | ... | ... | 150 | 465 | 315 |  | $210 \cdot 0$ |
| Horses and ponies | ... | ... | ... | ... | 66 | 26 |  | 40 | -60.6 |
| Wells and budkis | ... |  |  | ... | 82 | 123 | 41 |  | 50.0 |
| Tanks... ... | ... | ... |  | ... | 81 | 84 | 3 | .-. | 97 |

Third Group, 68 Villages.

| Population |  |  |  | $\ldots$ | 26,378 | 34,721 | 8,343 |  | 81.6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Houses |  |  |  | $\cdots$ | 5,431 | 7,237 | 1,806 | ... | 83.3 |
| Agricultural cattle |  | . | ... | . | 9,395 | 11,592 | 2,197 |  | $23 \cdot 4$ |
| Cows, buffaloes, and | thei | youn | ... | ... | 12,398 | 8,408 |  | 3,990 | - $32 \cdot 2$ |
| Sheep and goats | ... | ... | ... | -, | 915 | 1,458 | 543 | - | $59 \cdot 3$ |
| Carta ... ... | ... | $\cdots$ | ... | . | 451 | 1,519 | 1,068 |  | 236.8 |
| Horses and ponies | ... | ... |  | ... | 189 | 187 | . 03 | 2 | $-1.1$ |
| Wells and badkis | ... | $\ldots$ | ... | ... | 849 | 452 | 103 |  | 29.5 |
| Rank... | ... | ... | ... | .. | 80 | 78 | $\cdots$ | 2 | -2.5 |

s 571-3.

| Year, |  |  |  |  |  | Number of Villagen. | Number of Noticen. | Number of Canes in which restraint was resorted to. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1883-84 |  | ... |  |  |  | 74 | 304 |  |
| 1884-85 ... | -. | $\cdots$ | ... | ... |  | 62 | 150 |  |
| 1885-86 | ... | ... | .... | ... | ... | 58 | 138 | $i$ |

Similar information supplied by the Mámlatdár of Dhárwár is given in the following statement for the 6 villages transferred to the Dharwar District. The survey holdings in Government land are upwards of 600 :-

34. In Appendix $\mathbf{P}$ is given the revenue history of 20 villages of the Supa Taluka of North Kánara which touch upon the southern boundary of the Khánápur Táluka. Survey rates were introduced for the first time into 3 of these villages in the year 1864-65 and into 17 in 1872-73.

Appendix $P$ also gives the revenue bistory of 4 villages of the Dhárwár Taluka which adjoin the 6 villages transferred from the Kbanápur Táluka. Revised rates were introduced into these 4 villages at the settlement of the Dhárwár Táluka in 1879-80. The remissions recorded are, for the most part, those which it is usual for Government to temporarily concede on the introduction of a settlement, i. e., remissions of enhancements of revenue much in excess of the old rates.

The villages of the Sampgaon Taluka, which adjoin the Kbanápur boundary; were settled so recently that there has not been time to judge of the effect of the revision rates, and no account of their revenue history has, therefore, been called for.
35. By the original settlement the villages of the taluka were divided into 6 classes. The first class, with a dry maximum of Re. 1-4-0, comprised 12 villages situated in the north-eastern corner. The villages of the 2nd class, 24 in number, with a dry maximum of Re. 1, were west of those of the 1st class. The remaining villages were divided into 4 classes with rates falling, as they approached the Sahyádris, from 14 annas to 8 annas, which last was the rate fixed for 16 villages on the verge, face, or at the foot of the Ghat range.

It is now proposed to again divide the táluka into 6 groups, which mainly follow the former divisions-the only change being in the grouping of a few villages in the south-east of the taluka. The proposed groups and rates are as follows :-

Group I.-Eighteen villages. Dry-crop maximum Re. 1-8-0. Rice rate, as at present, Rs. 8.: These villages are situated in the north-east of the taluka, and include the 6 villages transferred from the Kittur Peta. Fair dry crops are grown in them, they are well situated as regards markets, and are about 10 miles distant from the railway.
Group II.-Twenty-one villages. Dry-crop maximum Re, 1-4 0. Rice rates as at present, viz., Rs. 9 and 8. 'I' 1 the west of the preceding group. Climate less favourable for dry crop. Are well off as regards markets, and within easy reach of the railway.
Group III.-Fifty-eight villages. Dry-crop maximum Re. 1-2-0. Rice rates as at present, viz., Rs. 8, 7, 6, and 5. West and south of the last group, and includes the 6 villages transferred from Khánápur to the Dhárwár Collectorate. Well off for markets, Nandgad, Khánápur and Alnávar being villages of the group. The Bellary-Mormugao section of the Southern Maratha Railway passes through the 6

Dhárwár villages, with a station at Alnávar within the group. The West Deccan section of the same line, branching from Londa, passes through Kháápur and the northern villages of the group. The Khánápur-Halyal road is of great service to the eastern portion of the group. Climate still admits of dry-crop tillage.
Group IV.-Fifty-five villages. Dry-crop maximum 14 annas. - Rice rates as at present, viz, Rs. 6,5 , and $4-8-0$. To the west of the preceding group. Are within easy reach of the Nandgad and Khánapur markets. Lie near the railway, and have a station at Gunji within the group. Climate not suitable for dry-crop tillage.
Group V.-Sixty-four villages. Dry-crop mairmum, as at present, 10 annas. Rice rates, as at present, Rs. 4-8-0 and 4 and 6. To south and west of preceding group. Covered, for the most part, with dense jungle, with here and there clearings. The railway traverses the southern portion of the group, with a station at Londa. Climate unfit for drycrop tillage.
Group VI.-Fourteen villages. Dry-crop maximum, as at present, 8 annas. Rice rates as at present, viz., Rs. 4. Situated on the verge, face, and at the foot of the Gbat range. Population sparse, and communications poor. Climate unfit for dry-crop tillage.
36. The following statement contrasts separately for each group the statistics which are given for the taluka as a whole in paragraph 23 :-

First Group, 18 Villages.

|  |  |  |  |  | Year of Settlement. | 1886. | Increase. | Decreame. | Parcentage. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Rs. | Rs. | Rs. | Re. |  |
|  | ... | ... | ... | .. | 10,394 | 12,947 | 2,553 | $\cdots$ | $24 \cdot 6$ |
| Population Houses | ... | ... | ... | .. | 2,082 | 2,614 | 532 | ... | $25 \cdot 6$ |
| Agricultural cattle | $\cdots$ | $\cdots$ | ... | ... | 3,634 | 4,431 | 797 |  | 21.9 |
| Cows, buffaloes, and | thei | young | ... | . | 5,558 | 4,211 | $\because$ | 1,347 | -24:2 |
| Sheep and goats | $\cdots$ | ... | ... | . | 145 | 352 | 207 | ... | 142.8 |
| Carţs ... ${ }^{\text {a }}$ | ... | ... | ... | .. | 147 | 622 | 475 | ... | 323.1 |
| Horses and ponies Wells and budkis | ... | $\cdots$ | $\ldots$ | ... | 62 | 82 | 20 | - | $32 \cdot 3$ |
|  | ... | $\cdots$ | ... | .. | 123 | 183 | 60 | ... | 48.8 |
| Tanks... ... | ... | ... |  | ... | 62 | 57 | ... | 5 | -81 |

Second Group, 21 Villages.

| Population | $\ldots$ |  |  | $\ldots$ | 8,095 | 9,666 | 1,571 |  | 19.4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Houses | ... | ... |  | ... | 1,526 | 1,887 | 361 | . | $23 \cdot 7$ |
| Agricultural cattle. | - | $\ldots$ |  | .-. | 3,226 | 3,532 | 306 |  | 9.5 |
| Cows, buffaloes, and | thei | youn | ... | ... | 4,401 | 2,951 |  | 1,450 | -32.9 |
| Sheep and goats | ... | ... | ... | ... | 353 | 594 | 241 | ... | 68.8 |
| Carts ... ... | ... |  |  | ... | 150 | 465 | 315 |  | 210.0 |
| Horses and ponies | ... | ... |  | ... | 66 | 26 |  | 40 | $-60.6$ |
| Wells and budkis | ... |  |  | . | 82 | 123 | 41 |  | 50.0 |
| Tanks... ... | $\cdots$ | ... | ... | ... | 81 | 84 | 3 | ** | 9.7 |

Third Group, 58 Villages.

| Population |  | ... |  | ... | 26,378 | 34,721 | 8,343 |  | 91.6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Houses | ... |  |  | . | 5,431 | 7,237 | 1,806 |  | 33.8 |
| Agricultaral cattle |  | $\ldots$ | ... | - | 9,395 | 11,592 | 2,197 |  | $23 \cdot 4$ |
| Cows, buffaloes, and | their | young | ... | ... | 12,398 | 8,408 |  | 8,990 | $-32 \cdot 2$ |
| Sheep and goats | ... | ... | ... | ... | 915 | 1,458 | 543 | $\cdots$ | $54 \cdot 3$ |
| Carts ... | ... | ... | ... | ... | 451 | 1,519 | 1,068 | ... | 2368 |
| Horses and ponies | $\ldots$ | ... | ... | ... | 189 | 187 |  | 2 | $-1.1$ |
| Wolls and badkis | ... | ... |  | ... | 349 | 452 | 108 | ... | 29.5 |
| Tanks... ... | ... | ... | ... |  | 80 | 78 | ... | 2 | -2.5 |

8571-3.

Fourth Group, 56 Villages.

|  |  |  |  |  | Year of Settlement. | 1886. | Increase. | Decrease. | Peroentagor |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Re. | Rs. | Rs. | Rs. |  |
| Population | $\cdots$ | - | ... | ... | 10,458 | 11,760 | 1,302 - | . $*$ | 12.4 |
| Honses ${ }^{\text {a }}$ | ... | ... | ... | ... | 2,070 | 2,602 | 532 | ... | 25.7 |
| Agricultural cattle | . | ... | ... | $\cdots$ | 4,094 | 6,899 | 2,805 | ... | 68.5 |
| Cows, buffaloes and | their | young | $\ldots$ | ... | 5,916 | 4,840 | ... | 1,076 | - -18.2 |
| Sheep and goats | ... | youg | ... | ... | 605 | 977 | 372 | 1,07 | 61.5 |
| Carts ... ... | $\cdots$ | ... | ... | ... | 205 | 391 | 186 |  | 90.7 |
| Horses and ponies | ... | ... | ... | ... | 21 | 20 | ... | 1 | -4.8 |
| Wells and budkis | $\cdots$ | ... | ... | ... | 45 | 87 | 42 | ... | 98.8 |
| Tanks... ... | - $\cdot$ | - 0 | ... | ... | 22 | 28 | - | ... | 27.3 |

Fifth Group, 64 Villages.

| Population | ... |  | ... | ... | 13,502 | 10,313 |  | 3,189 | -23.6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Houses |  |  | ... | ... | 2,722 | 2,764 | 42 | .0. | 1.5 |
| Agricultural cattle | ..." | .. | ... | $\cdots$ | 3,284 | 6,589 | 3,305 | ... | 100.6 |
| Cows, bnffaloes, and | thei | youn | $\ldots$ | -* | 9,174 | 8,302 | $\ldots$ | 872 | -9.5 |
| Sheep and goats | ... | ... | $\cdots$ | ... | 1,135 | 910 | ... | 225 | $-19.8$ |
| Carts ... ... | ... | - | ... | . | 53 | 146 | 93 |  | 175.5 |
| Horses and ponies | ... | ... | ... | ... | 52 | 34 |  | 18 | $-34.6$ |
| Welle and budkis |  |  |  | . | 79 | 104 | 25 | ... | 31.6 |
| Tanks... | ... | ... | ... | $\ldots$ | 5 | 5 | ... | ... | ..0 |

Sixth Group, 14 Villages.

| Population | ... | *** | $\cdots$ | 3,800 | 2,971 | $\cdots$ | 829 | -21.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Houses ... | ... | $\therefore$ | ... | 875 | 779 | .. | 96 | -11.0 |
| Agricultaral cattle | - | ... | ... | 214 | 943 | 729 |  | 340.7 |
| Cows, buffaloes, and | thei | youn | ... | 2,345 | 2,273 | ... | 72 | -8.1 |
| Sheep and goats | $\cdots$ | ... | ... | 763 | 350 | ... | 413 | -54.1 |
| Carts ... $\cdot .$. | ... | ... | ... | 1 | 5 | 4 | ... | 400.0 |
| Horses and ponies | ... | ... | ... | 5 | 16 | 2 | 5 |  |
| Wells and budkis | ... | ... | ... | 14 | 16 | 2 | ... | $14 \cdot 3$ |
| Tanks... | ... | ** | ... | ... | $\cdots$ | ... | -* | -* |

37. The increase in population, which is for the whole taluka 18.2 per cent., is distributed amongst the villages of the first 4 groups, the increase being most marked in the third, which comprises the villages in the centre and south-east of the taluka.
38. The fifth and sixth groups, which slow a decrease in population, include the villages of the south and west, a country described as formerly almost covered with dense jungle. While houses have increased in the fifth group, population has deoreased by 23.6 per cent. In the sixth group, which contains only 14 villages, there is a decrease in population amounting to 21.8 per cent., but here there is a corresponding decrease in houses. Mr. Francis mentions that the people are deserting the hill villages; they allege as a reason that the prohibition of "Kumri" cultivation leaves them no means of raising any dry crop. The question of kumri cultivation is, I am informed, now under consideration. It will, no doubt, be found that the decrease in population above alluded to, is mainly due to the migration of the people who practised this mode of cultivation.
39. Houses, except in the 14 villages of the sixth group, are bhown as having increased, the increase being chiefly in what are classed as middling houses. The following statement shows for each group under the prescribed heads the number of houses inhabited by agriculturists and non-agricul-turists:-

40. Working cattle have increased in the whole taluka by 42.6 par cent., and the increase is common to all groups. In milch cattle and their young here, as in the Belgaum and neighbouring tálukids, there is a considerable decrease.
41. The proportion of working cattle to cultivated land, calculated in the Colltivated land ... ... ... .... ... 142,381 usual way, comes to one pair
 90,554
5 acres. is even high for an almost Khánápur.
Divide by 16,993 pairs of working cattle $=5$ acres.
42. Carts have increased generally by 208.5 per cent., and all the groups share in this increase, which is largest in the third group. The timber trade in the hot weather and the rains gives employment to a large number of carts.
43. There is a large increase in sheep and goats in the villages of the first four groups, while in the fifth and sixth there is a considerable decrease.
44. Horses and ponies, except in the first group, have decreased.
45. Wells and budkis have increased in all the groups, the general increase amounting to $37 \cdot 9$ per cent. On the whole there are the same number of tanks now as at the time of the original survey.
46. The statistics for the 6 villages transferred to the Dhárwar District are given separately in paragraph 26, and they are eminently favourable. With the exception of the usual decrease in milch cattle and their young and a slight decrease in horses and ponies, there is a marked increase under all heads.
47. The total area of garden land recorded by the original survey was 15 acres, of which 10 acres paying Rs. 16, or Re. 1-9-7 per.acre, were Goyernment land. The revision survey shows that there are now 163 acres of garden land. Of these 123 acres are Government, with an assessment by the proposed rates of Re. 1-15-3 per acre, or an aggregate assessment of Rs. 240. In the subjoined table I give the division of this area under the heads of well (motasthal) and channel (patasthal) irrigation:-

| Desaription. |  |  |  |  | Area. | Ansossment. | Average Rate per Acre, |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Motasthal Patasthal |  |  |  |  |  |  | Rs. a | p. |
|  |  | $\cdots$ | ... | $\cdots$ | 79 | 62 | 012 |  |
|  |  |  | ... | ... | 44 | 178 | 40 | 9 |
|  |  |  |  | Total | 123 | 240 | 115 | 3 |

The orders of Government have been strictly adbered to in assessing garden
G. R. No. 1028 of 25 th land. No additional water assessment has been Febraary 1874. imposed on lands under wells, which have been dug during the term of the present settlement, and lands watered by old wells have been assessed within the maximum dry-crop rate. Wells, however, which derive benefit by percolation from patasthal irrigation or tanks have been assessed up to double the dry-crop rate.
48. The estimated results of the proposed rates are shown in the subjoined table, According to recent orders received from the Survey and Settlement Commissioner the incidence of assessment on (1) dry-crop, (2) rice, and (3) on all Government land, is separately shown both in this table and in Appendix 0 :-

49. The total increase by the proposed rates is thus Rs. 27,311, which is equivalent to 30.5 per cent. The increase comes principally from the villages of the first three groups. The marked progress of these villages, evidenced by the statistics which have been educed, and the great improvement in communications, which has effectually opened out this portion of the tafluka, not many years ago without a single made road, fully justifies. I would submit, the enhancement proposed. The poorer villages of the taluka situated in the wild country of the south and west are all placed in the fifth and sixth groups, the present low dry-crop rate of which is not disturbed by these proposals.
50. The group which contributes most to the proposed increase is the No. 23 (third group) Chenevidi ... 71.7 third. The general percentage of increase $\begin{array}{lllll}\text { No. } & 23 \text { (third group) Chenevádi } \\ \text { do. } & \text { Karikati } & \text {... } & 71.9 & \text { of this group, as well as the percentage of }\end{array}$ No. 47 do Surapar $\quad$ … 94.3 , increase of the 5 villages marginally noted, No. 49 do. Ninganmat.. $.7_{69}^{75}$. ${ }^{2}$ has gone beyond the limit prescribed by No. 36 (foarth groap) Karambal ... 69.2 Government. The increase in these 5 villages is due, for the most part, to increased rice area, the water advantages of which have now been assessed for the first time. The greatest increase occurs in Surapur, where there are now 268 acres of rice against 64 acres recorded formerly. As a reason for the general increase in the third group, I would explain, that the nine villages -marginally noted, formerly of the Kakkeri Karyat, and now included in the third group, get a rise in their dry-crop maximum of 6 annas. These villages are the best placed of the old divisiou just named. They have a climate suitable for the growth of jowari, the typical dry crop, being situated east of the range of hills mentioned in paragraph 13 of this report as marking

1. Kakkexi
2. Maskenhatti.
3. Karikatti.
4. Bhuranki.
5. Ghastoli.
6. Sarápor.
7. Kukenhatti.
8. Ninganmat.
9. Pur. the divide, west of which dry-crop tillage practically ceases Colonel Anderson in his draft report (incomplete) on the settlement of the Bidi, now Khánápur, Táluka writes, paragrapb 12 :-"' The Kakkeri Karyát comprising 30 villages, was formerly mostly covered with dense jungle. There was a scarcity of good water, and this added tō a reputation for unhealthiness caused this part of the district to be almost uninhabited on our obtaining possession of the country. The soil is very good, and the fall of rain ample for rice, and in ordinary years not allogether excessive for dry-crop cultivation. Land was given out at very low rates, wells were dug, and the population gradually increased. This portion of the district is now" (Colonel Anderson writes soon after the survey settlement had been introduced) "one of the most thriving in the whole táluka." In another part of the same report, paragraph 27, headds: "The land of the Kakkeri Karyat was notoriously very lowly assessed, and the people expressed to me their agreeable surprise at not being now more highly assessed." It is as well to mention here, that the remaining villages of the Kakkeri Karyát; which all lie further west, are now distributed between the fourth group, for which an increase of 2 annas in
the drycrop maxinum is proposed, and the fifth group, the maximum rate of whioh it is not proposed to disturb.
10. But the increase in assessment in all the groups and in all villages is due, beyond all other causes, to the treatment of rice land, old and new, at the revision survèy.
11. Of the total increase in the revenue collections, viz., Rs. 27,311, which the present proposals would bring about, Rs. 6,433 only falls on dry-crop land.
12. On the other hand, Rs. 20,654 of the total increase is obtained from rice land, and is due, for the most part, to the re-valuation of the water advantages of land which was under rice eultivation at the original settlement, and to the assessment, for the first time, of the water advantages of land, which has been converted from dry to rice during the term of the settlement. It will have been observed that the maximum rates of rice land have been subjected to no advance whatever.
13. The re-valuation of the water adyantages of rice land has been carried out thoroughly and with great care, each individual rice holding having been brought under review, with the effect that the assessment for water advantages has been considerably raised to assimilate it to the pressent standard. The average rate per acre on rice land by the original survey was Rs. 2-5-2, and by the revision survey Rs. 2-13-6.
14. The area now recorded as rice land is 2,237 acres in excess of that formerly recorded ; but, for the reasons given in paragraph 55 of Colonel Anderson's report on the revision settlement of the Bankápur Táluka, it is impossible in all cases to distinguish the area converted from dry crop to rice, and, as a consequence, any attempt to apportion the increase in assessment due to the valuation of the water advantages of the converted land would only mislead. It is safe to assume that the average assessment of new rice land falls short of that just shown for rice land generally, viz., Rs. 2-13-6.
15. The mode of classification, soil, and water, of land converted from dry crop to rice during the currency of the lease differs in no way from that followed in the classification of other rice land. The rules for water classification are given in paragraph 53 of Colonel Anderson's report just alluded to.
16. Of the 6 water classes there described, the higher classes are only applied to rice land, which derives its water-supply from such extraneous aids as tanks and streams, or to rice land the situation of which is exceptionally favourable, allowing of so a remunerative crop as sugarcane being grown. Land, in fact, which so far as it derives its supply from tanks and streams is much of a sort with garden land (pátastbal) similarly supplied.
17. Pure rice land, in the ordinary acceptation of the term, derives its watersupply from rainfall supplemented by the inherent moisture which results from advantage of situation. The degree of moisture available is assessed by means of the 4th, 5 th and 6th water classes.
18. The tables used for rating rice land are so prepared as to give to land coming under the 6th water class the simple dry-crop rate of the villages bf the group in which it occurs. Up to the 4th water class, at which the line is drawn between pure rice land and land with superior water advantages, the increase in assessment, which is governed in each group by the maximum rice rate, is gradual, the stress of assessment being made to fall on the land to which the higher water classes are assigned, or, in other words, on the most productive description of land.
19. I may here quote Colonel Anderson's words, which occur in paragraph 56 of his Bankapur Report, as they also apply to the settlement under consideration. "Improvements of lands so as to taise their water-supply above that described as 5th class are, as a general rule, far beyond the scope of private capital; but should such be shown to have been made; they must, of course, be duly respected. By putting the new assessment of 5 th class rice at that on favourably situated dry-crop land, and that on 6th class rice land at the simple dry-crop rate, whether the rice land in question is old or new, we effectually provide against putting any extra assessment on what may be fairly

- 571-4
called untaxable improvements. And, further to obviate any difficulty on the score of the soil classification having been improved by the conversion of dry-crop land into rice, I have, in all cases where the present area of rice land materially exceeded that formerly recorded, reduced the present soil classification from half a class to a whole class, if it exceeded the old.'

61. It is nccessary to bear in mind that a great deal of the so-called new rice has been in existence since any time in the last thirty years. The holders have up to this, for a longer or shorter period, reaped the profits of rice cultivation, and in some places of sugarcane cultivation at dry-crop rates. That an assessment which bears equitably on all rice land should now be levied, seems but fair to allconcerned.
62. To prevent hardship from a sudden enhancement in any case, I would
G. R. No. 4057, dated 20th May 1885, ou the Sampgan Táluka Revision SettlementReporb,
respectfully suggest that the orders Government were pleased to issue with regard to the collection of the new rates in the Sampgaon Taluka be made applicable to the villages under report.
63. The total area of Government unoccupied waste by revision survey is 29,886 acres, which bears an assessment of Rs. 9,041 , or 4 annas 10 pies per acre.
64. In the subjoined table the results of the original and proposed settloments are contrasted under every head:-

| Description. | By pormbr Settlbment. |  | By Revision Stryey. |  | Judi or Quit-rent. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Areas. | Assessment. | Aream. | Assessment. |  |
|  |  | Rs. |  | Rs. | Rs. |
| Government occupied land ... | 1,03,629 | 89,602 | 1,05,231 | 1,16,913 | '.. |
| Government unoccupied assessed | 32,394 | 10,676 | 29,886 | 9,041 |  |
| Inám land... $\quad .$. | 36,988 | 43,815 | 37,150 | 54,207 | 24,566 |
| 'Unassessed unarable hills, \&c. . | 2,20,352 | ... | 2,22,385 | ... | ... |
| Total . | 3,93,363 | 1,44,098 | 3,94,652 | 1,80,161 | 24,560 |

65. The average assessment on Government occupied land was by former settlement Rs. 0-13-10 per acre; by the proposed rates it will be Rs. 1-1-9: $i$. e., the increase is equal to 3 annas 11 pies per acre.
66. I beg, in conclusion, to bring to notice that the rates and grouping set forth in this report were generally considered and approved by Mr. Stewart before he relinquished charge of the Survey Department.

I have the honour to be,
Sir,
Your most obedient Servant,
H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.
Forwarded through the Superintendent, Poona and Násik and Southern Marátha Country Survey.

H. K. DISNEY,<br>Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX A.

Statement of Rainfall registered at thè Mámlatdir's' and Mahalkaris' Kacheris.

| Yeara, |  |  |  |  |  | Rhintalis at |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Khanapu | Chand |  | Supa. |  | Haliya |  |
| 1 |  |  |  |  |  | 2 | 3. |  | $4^{*}$ |  | 5 |  |
|  |  |  |  |  |  | Ins. c | Ins. cents. |  | Ins. cents. |  | Ins. cents. |  |
| 1877 | $\cdots$ | $\cdots$ | $\ldots$ | $\cdots$ | ... |  | $\ldots$ |  | 76. | 42. |  |  |
| 1878 | $\cdots$ | ... | - | ... | ... |  | .... |  | 97 | 60 |  | 82 |
| 1879 . | $\ldots$ | $\ldots$ | ... | ..' | ... | 64. |  |  | 74 | 49 |  | 37 |
| 1880 | $\cdots$ | ..' | ..' | ... | ... | 86 |  | 68 | 74 | 19 |  |  |
| 1881 | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | ... | 94 |  |  | 73 | 8 | 32 |  |
| 1882. | $\cdots$ | $\cdots$ | $\therefore$ | ... | ... | 94 |  |  | 1538 |  | 64 |  |
| 1883 . | ... | . 0 | $\cdots$ | ... | $\cdots$ | 59 |  |  | 105 |  | 54 |  |
| 1884 . | $\cdots$ | $\cdots$ | $\cdots$ | ... | ** | 67 |  |  | 92 |  | 39 |  |
| 1885 . | $\ldots$ | - | $\cdots$ | ... | $\cdots$ | 75 |  |  | 87 |  | 41 |  |
| 1886 . | ... | ... | .. |  | ... | 53 | 93 |  | 84 |  | 42 |  |
|  |  |  |  |  | Total | 591 | 672 |  | 918 |  | 476 |  |
| Average |  |  |  |  |  | 65 | 96 | 7 | 91 |  | 47 | 69 |

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX B (1).

Statistioal Table No. III.
Details of Cultivation in A.D. 1881-82 to 1885-86.

| District. | Surveyed Villagea, | Cropa, | Prackntage of Total Cuitivatia of Government and Inám Lands. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total. | Kharlf. | Rabi. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Villages of the Kittux Peta, now belonging to the Khanápur Táluka. <br> Villages of the Bidi Táluka now belonging to the Khanápur Taluka. | Khalsat 6 villages... <br> Khalsat 218 villages... <br> Total... 224 | Jowári <br> Bájri <br> Túr... <br> Kulti <br> Rice <br> Náchni <br> Sáva <br> Rála <br> Til ... <br> Miscellaneous <br> Gram <br> Safflower seed <br> Vatána <br> Pavta <br> Massur <br> Miscellaneous <br> Garden <br> Grass and fallow | 6.2 | 6,374 |  |
|  |  |  | 0.2 | 187 | -•• |
|  |  |  | $0 \cdot 1$ | 142 |  |
|  |  |  | $8 \cdot 3$ | 8,378 | ".' |
|  |  |  | 28.6 | 29,201 | $\cdots$ |
|  |  |  | $11 \cdot 1$ | 11,310 | ** |
|  |  |  | 48 | - 4,852 | ... |
|  |  |  | $1 \cdot 5$ | 1,546 | ... |
|  |  |  | 2.1 1.0 | 2,099 | ... |
|  |  |  | 0.5 | 1,034 | $\because 517$ |
|  |  |  | 0.1 | $\cdots$ | 129 |
|  |  |  | 1.1 | ... | 1,117 |
|  |  |  | 0.8 | ... | 787 |
|  |  |  | 0.1 | ... | 124 |
|  |  |  | 0.2 | ... | 227 |
|  |  |  | 0.6 | ... | 579 |
|  |  |  | 37.7 | ... | 38,407 |
|  |  |  | $100 \cdot 0$ | 60,123 | 41,887 |

N. B.-This return ia for Government land only.
H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S.M.C.

## APPENDIX B (2).

Statistioal Tabli No. III.
Details of Cultivation in A.D. 1881.82 to 1885-86.

| Distriot. | Surreyed Villagen, | Cropa. | Prrointage of Total Cultivation of Govrgnmbnt and Indim Landg, |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Total. $\cdot$ | Kharli. | Rabi. |
| 1 | 2 | 3 | 4 | 5 | 6 |
| Villages of the old Bidi Tálaka, now belonging to the Dhárwár Táluka. | Khalsat 6 villages... |  | 20.5 | 1,143 | ... |
|  |  |  | 1.9 | 108 | $\cdots$ |
|  |  |  | 3.1 81.9 | 172 | $\cdots$ |
|  |  |  | 16.5 | 1921 | ... |
|  |  |  | 0.4 | 25 | ... |
|  |  |  | 4.7 | 260 | ... |
|  |  |  | 0.2 | 10 | ... |
|  |  |  | 3.6 | 203 | ${ }^{-7} 8$ |
|  |  |  | $1 \cdot 1$ | ... | 59 |
|  |  |  | 0.6 | ... | 35 |
|  |  |  | 14.1 | ... | 784 |
|  |  |  | $100 \cdot 0$ | 4,621 | 958 |

N.B.-Thia return in for Government lands only
H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S.M.C.

## APPENDIX C.

Statement showing the Villages in which the principal Weekly Bazdirs are held in the Khánápur Taluka.


APPENDIX C-continued.

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

APPENDIX D (1).


The black lines of figuren refer to the year of former settlement, and the lighter ones are for 1885-86.
H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S.M.C.
APPENDIX D (2).


The black lines of figures refer to the year of former settement, and the lighter ones are for 1885-86.
H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S.M.C.

APPENDIX E (1).
Return of Houses, Chávdis, Wells, \&c., and of Live and Dead Stock.


APPENDIX E (8).
Return of Houses, Chávdis, Welle, gro., and of Live and Dead Stock.


APPENDIX E (5).
1
20
2
2
Return of Houses, Chárdis, Wells, \&c., and of Live and Dead Stock.


The upper line of Igures is that of the provious rettilement, and the lower one is. for $1885-88$.

- Year of introdnction of orfginal eettlemant

APPENDIX E (6).

H. K. DISNEY

Depaty Superintendent, Revenue Survey, S.M.C.

## APPENDIX F (1).

Statement showing the Number of Shops," Oil-presses. Looms, \&c., and the average Births, Deaths, and Vaccination in the Villages of the old Kittur Peta and of the Bidi Táluka, now belonging to the Khánápur Tálukn.

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C

## APPENDIX F (2).

Statement showing the Number of Shops, Oil-presses, Looms, \&c., and the average Births, Deaths, and Vaccination in the Villages of the old Bidi Iáluka, now brlonging to the Dharwar Táluka.

|  | District. | Shops. | Oilpresses. | Looms. |  | Birthe. | Deaths. | Vaccinstion. | Liquorshopa. | Tálimkhanáa. | Dharmshálas. | Templas. |  | Cotton Sawging. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Cotton. | Woollen. |  |  |  |  |  |  | Hindu, | Muaalmán. |  |
| 6 | Villages of the old |  |  |  |  | 1882... ... 150 | 1882... ... 168 | 1882 ... ... 100 |  |  |  |  |  |  |
|  | Bidi Táluka now |  |  |  |  | 1883... ... 167 | 1883... | 1883 ... ... 223 |  |  |  |  |  |  |
|  | belonging to the |  |  |  |  | 1884... ... 130 | 1884... .... 147 | 1884 ... . ... 105 |  |  |  |  |  | . |
|  | Dhárwár Táluka. | 17 | $\cdots$ | - |  | 1885... ... 154 | 1885... ... 302 | 1885 ... ... 161 | \} 2 | 1 | ... | 21 | 6 | ... |
|  |  |  |  |  |  | Total ... 601 | Total ... 779 | Total ... 489 | 1 |  |  |  |  |  |
|  |  | J |  |  |  | Average ... 150 | Average ... 195 | Average ... 122 | ) |  |  |  |  |  |

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S.C.M.

## APPENDIX G (1).

Statement showing the Numbrr of Schools, together with average Attendance in 224 Villages of the Khánápur l'álut a during the year 1885-86.


## APPENDIX G (2).

Statement showing the Number of Schools, together with average Attendance in 6 Villages of the Dharwár Taluka during the year 1885-86.

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX H (1).

Statement showing the Proportion of Survey Numbers cultivated by Occupants and Sub-tenants for produce or money rent, \&c., in the villages of the old Kittur Peta and of the Bidi Taluka, now belonging to the Khánapur Tatuka.

| $\begin{aligned} & \text { Number } \\ & \text { villages. } \end{aligned}$ | District | Total Numbers cults. vated by occupants or Inemdárs. |  | Total Numbers caltivated by cocoupante or Inámdars in partnership with others. |  | Total Numbers enlti. vated by sub-tenants on money rent. |  | Total Numbers cultivated hy sub-tennuts for part produce or grain renk. |  | Government unoccupied asseseed land. | Parampok Numbers | Total. |  | Remorka |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Governmont. | Insm. | Government. | Inám. | Government. | Insm. | Government. | Inam. |  |  | Goverament. | Incab. |  |
| 1 | 2 | 8 | 4 | 5 | 6 | 7 | 8 | $\theta$ | 10 | 11 | 12 | . 13 | 14 | 15 |
| 224 | Vilfages of the old Kittur and ( | 7,092 | 2,095 | 716 | 952 | 3,134 | 1,857 | 1,606 | 606 | 2,687 | 902 | 16,137 | 5,510 |  |
|  | the Khánápur Jáluka. | $32 \cdot 7$ | 9.7 |  |  | $14 \cdot 5$ | $8 \cdot 6$ | $7 \cdot 4$ | $2 \cdot 8$ | 12.4 | $4 \cdot 2$ | 74.5 | 255 | The lower line of figures shows the propurtion. |

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX H (2).

Statement showing the Proportian of Survey Numbers cultinated by Orcupants and Sub-tenants for produce or money rent, gc., in the villages of the old Bidi Táluka, now belonging to the Dháwár Tíluka.

| $\begin{aligned} & \text { Number } \\ & \text { villages. } \end{aligned}$ | Distriok | Total Numbers cultivated <br> by occulpa: ts or loámdùra. |  | Total Numbers cultisated by occupants or Insmdara it partnershlp with uthers. |  | Total Numbers cultivated <br> by sub-tenants on mouey rent. |  | Total Númbers oultivated by sub.te anto for part produce or grain remb. |  | $\begin{gathered} \text { covernment } \\ \text { ocengient } \\ \text { seessed laud. } \end{gathered}$ | Parampok Numbera | Total. |  | - Remarke. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Government. | Inam. | Government. | Inamm. | Government. | n ¢ m m. | Government. | Insm. |  |  | Oovernment. | Inam. |  |
| 1 | 2 | 3 | 4 | $\delta$ | $\theta$ | 7 | 8 | $\theta$ | 10 | 11 | 12 | 18 | 14 | ${ }^{15}$ |
| 6 | Villages of the old Bidi Táluka $\{$ | 216 | 14 | ... | .* | 43 | 8 | 323 | 65 | 8 | 42 | 662 | 87 |  |
|  | Taiuka. | $32 \cdot 9$ | 1.8 | -* | ... | 5.7 | 1.1 | $43 \cdot 1$ | 8.7 | 11 | 56 | 88.4 | 11.6 | The lower line of figuren shows the proportion. |

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX I (1).


H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX I (2).

Statement showing the Number of Wells, Tanks, and Budkis in the Dillages of the old Bidi Táluka, now belonging to the Dhárwár Táluka.


## APPENDIX J (1).

Statement shoving the Sales of Lands in Villages of the Khdnapur Táluka from the records of the Sub-Registrar from 1881 to 1885.


## APPENDIX I (2).

Statement showing the Number of Wells, Tanks, and Budkis in the Dillages of the old Bidi Táluka, now belonging to the Dhárwár Táluka.


Deputy Superintendent, Revenue Survey, S. M. C.

APPENDIX J (1).
Statement showing the Sales of Lands in Villages of the Khdnápur Taluka from the records of the Sub-Registrar from 1881 to 1885.


APPENDIX J (1)-continued.


APPENDIX J (1)-continued.

| Date of Tranase. tion. | Number | Fillages. | $\begin{gathered} \text { Survey } \\ \text { Num- } \\ \text { ber. } \end{gathered}$ | Land, Inam or Government. | Arsble Area. | Ascesament. | Amount | REAMSED. <br> Number of years' multiple of Survey Assessment. | Remarks. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|  |  | - |  |  | A. g. | Re. a p. | Rs, |  |  |
|  | 116 | Mendagali ... | $\{28$ | Government ... | 622 | 1000 | ) 300 | 15.0 |  |
|  |  | Mendagais ${ }^{\text {an }}$ | $\left\{\begin{array}{r}39 \\ 142\end{array}\right.$ | . Do. ... | 71 | 1000 | $\} 30$ |  |  |
|  | 117 | Kasba Manoli ... | 142 | Do. - - | 424 | 1300 | 370 | $28 \cdot 5$ |  |
|  | 118 | Moishet | 49 | Do. | 231 | + | $\} 100$ | 26.7 |  |
|  | 119 | Do. | 38 | $\mathrm{D}_{0}{ }^{\text {a }}$ - | 122 | 200 |  | 250 |  |
|  | 120 | Kasbs Manoli | 60 | Do. ... | 2420 | 1700 | 75 | $4 \cdot 4$ |  |
|  | 121 | Do. | 59 | Do. ... | 14.8 | 2400 | 75 | $3 \cdot 1$ | $\stackrel{\square}{8}$ |
|  | 122 | Mangyankop | 5 | Do. ... | 40 | 600 | 80 | - 13.3 | \% |
|  | 123 | Shendoli | 40 | Do. ... | 212 | 300 | 100. | $33 \cdot 3$ | 8 |
|  | 124 | Sávargali ... | 2 | Do. ... | 135 | 1200 | 450 | $37 \cdot 5$ | . |
|  | 125 | Surápar $\quad \therefore$ | $\left\{\begin{array}{l}10 \\ 12\end{array}\right.$ | Do. $\quad . \cdot$ | 833 | $\begin{array}{rrr}3 & 8 & 0 \\ 15 & 0 & 0\end{array}$ | $\} 200$ | 10.8 | ~ |
|  |  | Do | $\left\{\begin{array}{l}12 \\ 40\end{array}\right.$ | Do. ... | $24{ }^{4}$ | 1500 | J 200 |  |  |
|  | 126 | Do. | 20 | Do. -a. | 1233 | 400 | 55 | 13.7 |  |
|  | 127 | Handur | 89 | Do. ... | 1838 | 600 | 100 | 16.7 |  |
|  | 128 | Do. | 73 | Do. | 1221 | 1000 | 200 | $20 \cdot 0$ |  |
|  | 129 | Hulikotal | 13 | Do. ... | 328 | 1000 | 200 | $20 \cdot 0$ |  |
|  | 130 | Chick Hattiholi... | 19 | Do. | 332 | $20 \quad 00$ | 400 | 20.0 |  |
|  | 131 | Karikatti ... | 14 | Do. ... | 824 | 1100 | 80 | 7.3 |  |
|  | 132 | Adi $\quad . .$. | 22 | Do. $\quad \cdots$ | 428 | 2300 | 700 | $30 \cdot 4$ |  |

H. K. DISNEY,

Duputy Superinten dent, Revenue Survey, S. M. C

APPENDIX J (2).
Statement showing the Sales of Lands in the Villages of the old Bidi Taluka, now situated in the Dhárwár Taluka, compiled from the records of the Sub-Registrar from 1881 to 1885.

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S, M. C.

## APPENDIX K (1).

Statement showing Leases in Villages of the Khánápur Táluka, compiled from the records of the Sub.Registrar from 1881 to 1885.


APPENDIX K (1)-continued.


## APPENDIX K (1)-continued.



## APPENDIX K(1)-continued.



APPENDIX K (1)-continued.


## APPENDIX K (1)-continued.


H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX K (2).

Statement showing Leases in villages of the old Bidi Tâluka, now situated in the Dhárwair Táhuka, compiled from the records of the Sub-Registrar from 1881 to 1885.

|  | , Villages. |  | Land, Government or linam. |  |  |  | 割 | Sum paid in advance, or how |  | Remarks. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $1{ }^{1} 2$ | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | , 12 |
| $\begin{array}{l\|l} 1885 . . . & 1 \\ & \\ \hline \end{array}$ | Alnávar $\quad .$. | 12 | Government ... | A. <br> 15 | $\begin{array}{ll}\text { Ras } & \text { a. } \\ 22 & 0\end{array}$ | Rs. A. <br> 200 |  | In advance ... | Hall the the new ner hatit boter losee. |  |

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX L (1)

Statement showing the Mortgage Transactions in Villages of Khánapur Taluka, compiled from the Sub-Registrar's records, from 1881 to 1885.



APPENDIX L(1)-continued.



APPENDIX L (1)-continued.



APPENDIX L (1)-conitinued.



APPENDIX L (1)-continued.

| Date of <br> Transaction. | Number. | Village. | $\begin{aligned} & \text { Survey } \\ & \text { Num. } \\ & \text { ber. } \end{aligned}$ | Land, Inam or Government. | Arable Area. | Assessment. | Amount of Debt incurred. | For what term. | Land to be in whose possession. | Interest payable per cent. per mensem. | Government Assessment to be paid by | Penalty on non-payment within date fixed, and any other condition. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 1883 ... | 95 | Galihalli ... | 280 | Govermment ... | $\begin{array}{cc}\text { A. } & \text { g. } \\ 5 & 2\end{array}$ | $\begin{array}{cc}\text { Rs. } & \text { an } \\ 10 & 0\end{array}$ | Rs. 200 | Years. | Mortragee... | $\begin{array}{lll}\text { Rs. } & \text { a. } & \text { p. } \\ 1 & 8 & 0\end{array}$ | Owner ... | Land to be sab-let by mortgagee, and the produce cold at the bazar rate to eatisfy the interest on the debt, owner making up any deficiency. If the debt is not paid within the prescribed |
| \% $\quad \cdots$ | 96 | Golyali | 55 107 | Do. <br> Government | 128 7 | $\begin{array}{ll} 3 & 0 \\ 3 & 0 \end{array}$ | 20 | . 5 | Do. ... | $140$ | Do. | If the debt is not paid within the prescribed time, land to be sold in gatiefaction, owner making op any deficiency. |
| " $\quad$ - | 97. | Gundoli | 121 | Do. <br> Do. | $\begin{array}{r} 725 \\ 1012 \end{array}$ | $\begin{array}{ll} 6 & 0 \\ 5 & 0 \\ \hline \end{array}$ | \} 350 | 2 | Owner ... | 1504 | Do. ... | If the debt and the interest is not paid within the prescribed time, land to pass into the possession of mortgagee till payment in full. |
|  |  |  |  | Total ... | $253$ |  |  |  |  |  |  |  |
| " $\quad$. | 98 | Do. ... | 85 | Government ... | 1032 |  | 100 | 5 | Mortgagee... |  | Do. ... | Mortgagee's possession to continae till payment in full. |
| " ... | 99 | Do. | 34 | Do. | 1238 | 120 | 200 | 8 | Do. |  | Do: |  |
| " ... | 100 101 | Ghosa (Khurd)... | 2 82 | Do. $\quad \cdots$ | 64 3 | 80 $7 \quad 4$ | 100 50 | 10 | Do. $\quad .$. | $\begin{array}{lll}2 & 1 & 4 \\ 1 & 4 & 0\end{array}$ |  | If the debt is not paid within the prescribed time, possession to continue till payment in full. |
| " ... | 101 | Ghotgali... $\quad .$. | 32 | Do. ... |  | 74 | 50 | 4 | Do. ... | 140 | Do. .. | The produce of the land to be sold, and interest to be met from the proceeds. Any surplas to be applied to the reduction of the capital amount. This arrangement to continue till payment in full. |
| , ... | 102 | Chápgaon | 97 | Do. <br> Inám | $\begin{array}{ll}4 & 31 \\ 5 & 24\end{array}$ |  | $100$ | 4 | Owner ... | 1108 | Da. | If the debt is not paid within the prescribed time, land to pase into the possession of mortgagee till payment in full. |
| " $\quad$. | 103 | Do. | 113 | $\left\{\begin{array}{cc} \begin{array}{c} \text { Governmen } \\ \text { due } \end{array} & \ldots . \end{array}\right.$ |  | $60$ | $\} 200$ | 5 | Mortgagee ... | - | Do. $\quad \therefore$ | Mortgagee's possession to continue till payment in full. |
| " ... | 104 | Junjvád $\ldots\{$ | 8 9 | Doven .. <br> Do. $\ldots$ | $\begin{array}{rr} 5 & 9 \\ 8 & 21 \end{array}$ | $\begin{array}{ll} 1 & 8 \\ 2 & 8 \end{array}$ | \} 200 | 5 | Do. ... | 2114 | Do. ... | Do. do. |
|  |  |  |  | Total ... | $28 \quad 3$ | 210 |  |  |  |  |  |  |



APPENDIX L (1)-continued.



APPENDIX L(1)-continued.



APPENDIX L (1)—continued.



APPENDIX L(1)-continued.



APPENDIX L(1)-continued.



APPENDIX L (1)-continued.



APPENDIX L(1)-continued.


## APPENDIX L (2).

Statement showing the Mortgage Transactions in villages of Dhárwár Taluka compiled from the Sub-Registrar's records from 1881 to 1885.

H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

## APPENDIX M.

Statement showing the Prioes prevalent in the Khánápur and adjoining Tálukás of the Belgaum Collectorate for 42 years, from 1844-45 to 1880̈-86.

H. K. DISNEY,
nannto Smnorintondent. Revenue Snrvev. S. M. C.

## APPENDIX N.

Revenue Historyfor 224 villages of the Khinipirar Tiluka of tha Belgnum Dinfrict and 6 villages of the Dhinwar Taluka of the Dharwair District in which Survey setllement was introduced betureen the years 1853-5t and 155 -5.9, diviled into six purs, which correspond with the different setllements, the fiyures for the villages inchuled in each settlement being massed separately.
1.

Revenue History for 6 Villages of Kittur rela, nuw situated in the Rhánápur Táluka, in which Surey Settlement rens introdured in the year 18.53-54.


## APPENDIX N-continued.

II.

Revenue History for 113 Villages of old Bidi Táluka, now situated in the Khánámur Táluka, in which Survey Sctelement wax introduced in the year 1854-55.


## APPENDIX $\mathbf{N}$-continued.

## III.

Revenue History for 103 Villages of old Bidi Taluka, now situated in the Khanapur Taluka, in which Survey Settlement was introdured in the year 1856-66.


## APPENDIX N-continued.

IV.

Revenue History for 1 village, Goliyñli, of old Bidi Täluka, nove situnted in the Khanuipur Tiluka, in whrch. Survey Settlement was intruduced in the year 1856-57.


## APPENDIX N-continued.

## V.

Revenue Histovy for one rillagn, Tarvad, of old Bidi Táluka, now situat, in the Khánínur Tabuka in which Survey Settlement was introduced in the year 1858-59.


## APPENDIX N-contimued.

IV.

Revenue History for 1 village, Goliyñiu, of old Bidi Täluha, now situnted in the Khuinapur Tilluka, in which. Survey Settlement vas intruduced in the year 1856-5\%.

|  |  |  |  |  |  |  | C'MOCCTPIES Amskare ARABLy GOTEANMET LAED. |  |  | $15 A \pi$ |  |  | Toral L.afp Gotremment <br>  AnI 18AM. |  |  | $\frac{5}{2}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Years. |  |  |  | - |  | $\begin{aligned} & \frac{\square}{3} \\ & \frac{8}{8} \\ & \frac{8}{8} \\ & \frac{8}{8} \\ & \frac{2}{4} \\ & \hline \end{aligned}$ | 皆 |  |  | - |  |  |  |  |  |  |
| 1 | 8 | 8 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | ${ }^{18}$ | 14 | 15 | ${ }_{6} 6$ | 17 |
|  |  | Re. |  | Ra, | ${ }^{\text {8a. }}$ | Ra. |  | Rs. | Re. |  |  |  |  |  |  |  |
| 1566.47 | .. | . | . | . | .. | .. | $\cdots$ |  | .. |  |  |  |  | Ra. |  |  |
| 1847-48 | $\cdots$ | .. | . | $\cdots$ | - | .. | . | .. |  |  |  |  |  |  |  | . |
| 1849.49 | $\because$ | .. | $\cdots$ | - | $\cdots$ | .. | $\cdots$ | .. | $\cdots$ | . | . | .. |  |  |  |  |
| 1840.50 |  | $\cdots$ | .. | . | $\cdots$ | .. | $\cdots$ | $\cdots$ | . | $\cdots$ | $\cdots$ | $\cdots$ | .. | . | . |  |
| 1551.62 .. |  | .. | $\cdots$ | - | $\cdots$ | $\cdots$ | .. | . | . | . | . |  | .. | $\cdots$ | . | $\cdots$ |
| 2859-53 . | .. | .. | . | $\stackrel{ }{*}$ | - | $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | . | . | $\cdots$ | .. | . | . |  |
| 1653.54 .. | . | .. | .. | .. | $\cdots$ | - | .. | $\because$ |  |  | * | * | . |  | $\cdots$ | . |
| 1554.55 .. | $\bullet$ | $\cdots$ | . | . | .. | .. | - | .. | . |  | . | ... | $\stackrel{.}{ }$ | -. | * |  |
|  | $\cdots$ |  | - | .. | $\cdots$ | . | .. | .. | . | $\cdots$ | . | . | .. |  |  |  |
| ! 1856 -57 .. | 147 | ${ }^{93}$ | . | 28 | ${ }_{23}$ | \% | 923 | 191 |  | 290 | 256 | 1 | 1,360 |  | 9 |  |
| 18557.55 .. | 448 | 177 | $\because$ | .. | - | 117 | 721 | 187 | 20 | 981 | 256 |  | 1,350 | 648 | 188 |  |
| 1888 -69 .. | 302 380 | 181 | $\because$ | . | - | 1 | 776 | 175 | 15 | ¢78 | 2.4 | 1 | 1,350 | -0 | 157 |  |
| 1880-61 .. | 278 | 116 | .. | $\cdots$ | $\cdots$ | 128 | 749 | 170 | - 10 | 271 | 242 | 1 | 1,350 | 50 | 138 |  |
| 1881-62 .. | 240 | 114 | . | $\cdots$ | $\cdots$ | 16 | 809 | 195 | ${ }^{20}$ | 283 | 298 | 1 | 1,850 | 660 | 187 |  |
| 1882.63 .. .. | 241 | 115 | . | * | * | 114 | 842 | 20.5 | 19 | 238 | 291 | ${ }^{\text {b7 }}$ | 1,350 | 540 | 190 |  |
| 1883.44.. $\cdot:$ : | 250 | 127 | . | .. | .. | ก5 | ${ }_{85}^{854}$ | 304 | 30 | 488 | 291 | 57 | 1,350 | 540 | 202 |  |
| 284-65 .. | 320 | 164 | . | .. | . |  |  |  |  |  | 200 | 67 | 1,350 | 540 | 226 |  |
| 1865.66 .. | 321 | 187 | .. | - | .. | 167 |  | 1 | 4 | 216 | 208 | 6 | 1,3s0 | 540 | 274 |  |
| ${ }^{1880-67}$.. | 288 | 162 | .. |  | . | 167 |  | 170 | 43 | 215 | 208 | Bs | 1,350 | 560 | 280 |  |
| 1887.68 .. | 278 | 157 | .. | 25 | 25 | 132 | ${ }_{828} 816$ | 175 | ${ }_{85}$ | 45 | 208 | ${ }^{8}$ | 1,350 | 540 | 20 |  |
| 1868 -99 .. | 288 | 120 | .. | .. | .. | 120 | 874 | 218 | $\infty$ | 4 | 218 | $\infty$ | 1,350 | 640 | ess |  |
| 2860-70. | 24. | 112 | . | .. | .. | 112 | 888 | 297 | 60 | 248 | 01 |  |  |  | 258 |  |
| 1870.71 .. | 234 | 130 | . | .. | . |  |  |  |  |  | 201 | ${ }^{\infty}$ | 1,830 | 540 | 240 |  |
| 1817172 .. | 284 | 130 | . |  |  | 150 | 8.3 | 200 | ${ }^{61}$ | 43 | 201 | 79 | 1,350 | 60 | 270 |  |
| 1879-73 .. | 24 | 130 | .. |  | .. | 130 | $8{ }^{8}$ | 209 | ${ }^{3}$ | 248 | 201 | 78 | 1,350 | 540 | 24 |  |
| 1878.74.. | 24 | 130 | . |  | . | 150 |  |  | ${ }^{3}$ | 4 |  | 7 | 1,350 | 540 | 212 |  |
| 1874-75 | 234 | 130 | . |  | . | 150 | 873 | 200 | ${ }^{83}$ | 243 | 201 | 79 | 1,350 | 640 | 242 |  |
| 1875 -76 .: | 294 | 130 | . |  | . |  |  |  |  |  |  | 78 | 1,350 | 50 | 32 |  |
| 1878 | 24 | 130 | . |  | .. | 130 |  |  |  |  |  |  |  |  |  |  |
| ${ }^{187}$-78 78 | 284 | 130 | . | . | . |  |  | 20 | 30 |  |  | 73 | 1,380 | 50 | 230 | ... |
| 1888-79 .. | 284 | 130 |  |  |  |  |  |  |  |  | 201 |  | 1,20 | 510 | 225 |  |
| 1879.80 | 24 | 130 |  |  |  | 15 | 878 | 200 |  | 248 | 201 | 79 | 1,850 | 640 | ${ }^{235}$ |  |
| 80-81 | 234 |  |  | $\cdots$ | * | 130 | 872 | ${ }^{2008}$ | 14 | 221 | 201 | 78 | 1,367 | 540 | 28 |  |
| 1881.82 | 234 | 130 | . |  | $\stackrel{.}{ }$ | 35 | 588 | 138 | 14 | 43 | 902 | 79 | 1,045 | 404 | 213 |  |
| 188888 .. | 24 | 130 | .. | . | . | 130 | 65 | 35 | * | 2s | 202 |  | 1,0u1 |  | 200 |  |
| 1888.84 | 98 | 126 | .. | .. | .. | 128 | BS4 | 138 | .. | 248 | 202 | 79 | 1,048 | 4 | 206 |  |
| 189485 |  | 198 | .. | * | .. | 126 | 564 | 198 | . | 251 | 202 | 79 | 1,068 | 64 | 3 |  |
| 1886,38 .. |  | 129 | . | .. |  | ${ }^{126}$ | 34 | 138 |  | e | 202 | 79 | 1,066 | 104 | 205 | * |

## APPENDIX $\mathbf{N}$-continuted.

V.

Revente History for one rillage, Tarvud, of old Bill Taluka, now situatid in the Khanripur T'iluka in which Survey Settlement was introduced in the year 1S5S-59.


## APPENDIX N-continued.

## VI.

Revenue History for 6 villages of old Bill Talulca, now situated in the Dhainvar Taluk, in which Survey Settlement was introduced in the year 1S54-55.

$X 723.23141 \mathrm{KHA}$ BR
H. K. DISNEY,

Deputy Superintendent, Revenue Survey, S. M. C.

APPENDIX 0 .

0.



Q-continued.


APPENDIX


## 0-continued.


H. K. DISNEY,

## APPENDIX $P$.


H. K. DISNEY,

Depuly Superintendent, Revenue Survey, S. M. C.

No. 1228 or 1887.
From

W. M. FLETCHER, Esqutre,<br>Superintendent, Poona and Násik and Southern Marátha Country Revenue Surveys;

To
Ter COLLECTOR of BELGAUM.

> Survey Superintendent's Office, P.ona, 24th. August 1887.

## Sir,

I have the honour to forward, for the consideration of Government, a report by Mr. Disney, Acting Deputy Superintendent of the Southern Marátha Country Survey, on the revision settlement of the Khánápur Taluka. The proposals embrace 230 villages in all, 224 of which are in the Khánápur Táluka, while 6 have been transferred to the Dhárwár Collectorate since the original settlement. The information referring to these 6 villages has been separately treated in the report, and I would beg the favour of your passing on these papes to the Collector of Dhárwár, so that the comments of both Collectors on the proposals for their respective villages may reach Government simultaneously.
2. The proposals embodied in this report were generally considered and approved by Mr. Stewart before giving over charge of the Survey Department; and as I have had full opportunity of discussing the subject with Mr. Disney during the preparation of his report, which includes all the information usually given, it will not be necessary for me to add much in the way of forwarding remarks.
3. - Paragraphs 1 to 4 give the former constitution of the taluka and the changes which have occurred in it up to the present

Mr. Disney's paragraphs 1 to 4. time, together with the dates and authorities for the existing settlements.

## 4. The operations preparatory to revision settlement have been the same as

Revence operations,
Mr. Disney's paragraphe 5 to 9. with the approval of Government have been employed in all the recent revisions in the Southern Maratha Country. It was found necessary to remeasure only 34 per cent. of the old survey numbers and 17 per cent. of area in the course of preparing the new record, for the old measurement work proved to have been most carefully carried out, and may be said to have needed little more than bringing up to date; this operation in an intricate country adjoining the Gháts, which has made great advance during the expiring settlement, must under other circumstances have entailed much greater labour. In classification the proportion actually done afresh in the field amounted to 29 per cent. of the new survey numbers and 16.2 per cent. of area.
5. The conformation of the country, its natural beauty, and the favourable Mr. Disney's paragraphe moistness of its climate are dealt with in the 12 th and 12 to 14. succeeding paragraphs, and call for no further comment. With regard to orops, the areas quoted by Mr. Disney refer to Government land only as compiled in average from the village

[^0] papers, but the proportions indicated by these areas may be fairly taken as characteristic of the tract, and are, therefore, worth quoting; they may be summarised thus:-


As is usual in moist Ghát districts, grass and fallow covers a very large proportion of the occupied area, in about half of the remainder of which rice 18 sown, [viz., 28.6 of the whole occupied area], while náchni with its companion grains, sáva and rála, make up together $17 \cdot 3$ per cent. Jowári covers but 6.2 per cent., and is grown only in the eastern vilages, where the climate is least moist. The pulses grown are not important-kulthi, the one most grown, covering but $3 \cdot 3$ per cent., and the only oil-seed raised in any quantity is kárla or gingelly seed. Thus almost the whole produce of the country depends on the
 crops.
6. On the question of communications and markets I have nothing to add to Mr. Disney's detailed information. The táluka, which possessed no made roads at the time of the original settlement, is now well opened up-not by cart roads merely, but by a railway with four stations within its limits.
7. It will be best to consider in one place the whole subject of the statistics before passing on to speak of the proposed rates of assessment, the suitability of which of course depends
on the condition in which the district is demonstrated assessment, the suitability of which of course depends
on the condition in which the district is demonstrated to have arrived at the conclusion of the expiring

Population and statistics.
Mr. Disney's paragraphs 22 to 24 and 36 to 46 .

Communications and markets.
Mr. Disney's paras. 17 to 21. lease. The tables in paragraph 23 give the total results for the whole district,
while the same figures are used in paragraph 36 compiled separately for each group of villages on which it is proposed, later in the report, to place separate rates of assessment. © These groups each possess a different degree of advantage with respect to climate and communications combined, and it is important, therefore, to be able to compare them individually with the general result. They will be easily distinguished on reference to the map. .
8. It is plain, from a consideration of the figures given in paragraph 36, that there has been great progress throughout the distirct: working cattle and carts, which more perhaps than anything else indicate advance in prosperity, have largely.increased in number in every group without exception; but it will be seen that population-which has largely increased in the first three groups, i.e., in the open part of the táluka, and moderately in the fourth, which lies intermediate between that part and the Ghats-has in the country actually adjoining the Ghatts decreased very appreciably. Mr. Disney attributes this to the prohibition placed on kumri cultivation, and quotes a remark by Mr. Francis, the Assistant Superintendent, who did the classification of the taluka, to that effect. With a view to throwing some further light on the subject, I have obtained from the Mámlatdar for the 78 villages of the two last groups the figures gummarized below :-

|  | Year of Settiement. | 1874.75. | 1877-78. | 1882-83. | 1885-86. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Population | 17,302 | 13,790 | 12,560 | 13,598 | 13,284 |
| Houses... $\{$ | Superior $\left.\begin{array}{l}\text { Inferior }\end{array}\right\} 3,597$ | $\left.{ }_{3,021}^{270}\right\} 3,291$ | ${ }_{2}^{332} 8$ ( 3 ,179 | 1,100 3,184$\} 4,284$ | 3,148 $\}$ 3,543 |
| Working cattle. | 3,498 | 4,041 | 4,110 | 7,320 | 7,532 |

Here, then, whatever may be the cause of the decrease shown to have taken place in population, it is seen not to be altogether of recent occurrence, and the fluctuating nature of the population usually found in Ghát districts is also evidenced by these figures. The head of working cattle, however, has steadily increased, specially of late years, and the inference would seem to be that the people who have left these villages were not among the regular cultivators. The incidence of occupied land per head of population in these two groups is 1.9 and 2.1 acres as compared with 1.7 acres in the remainder of the district; but, including waste land available for cultivation, the proportions are $3 \cdot 5,2 \cdot 8$, and $1 \cdot 8$ respectively.

Considering, however, that there is proportionately" much less rice land in the two western groups, the pressure of population cannot at present be very much less there than in the rest of the taluka. It is observable that non-working cattle are proportionately more numerous in these cattle are proportionately more numerous in these
western groups than elsewhere, though there is a small

In $V$ and $V I$ groups $3 \boldsymbol{3}$ dry to 1 rice.
In remainder $2 \frac{1}{2} \mathrm{dry}$ to 1 rice. decrease in the year of settlement even bere ; in these two groups the non-working cattle are in proportion of 8 per head of population, in the remainder of the district the proportion is $\cdot 3$, and a difference in the same direction is seen with regard to working cattle, which are in proportion of 6 and 4 per head of population in the two western groups together, and in the remainder respectively,
9. On the whole, therefore, there seems no reason to suppose that the villages of the two western groups have made less progress proportionately than the rest of the táluka, and the decrease in their population cannot be attributed to any difficulty in obtaining the means of existence. On the other hand, if it is due to the migration of those who subsisted on kumri alone, there seems, at all events, no reason to regret their departure, for it is clear, from the figures under discussion, that a sufficient population can live and thrive in Ghát villages in spite of the practical prohibition of this most objectionable form of cultivation. Another cause, however, may have recently affected the floating population of these villages, and that is the railway works which for the last few years have been in progress on the Tinai Ghát, In similar cases, people who have taken to railway work have sometimes made their home near the work, and even settled there after the work was finished; but I bave not been able to ascertain whether this has been the case in the present instance, or whether even there has been any considerable flow of labour to the railway from the villages now in question.
10. The appendices containing the abstract, for the last five years, of all cases

Value of land.
Mr. Disney's paragraphs 27 to 30.
Appendices J, K, and L. registered, of sale, lease, and mortgage, in which land alone was concerned, show that land bears a very high value in the district. With regard to the average letting to point value shown in paragraph 29, Mr. Disney has omitted to point out that as of the total sum paid, viz., Rs. 40,813 , no less than Rs. 15,537 was paid in advance-many cases being for long periods-the real letting value must be very considerably more than 2.5 times the Government assessment, for in his calculation the sums paid in advance have been merely divided by the number of years which the payment covered, and the quotient taken as an annual payment. It will be too elaborate a calculation to estimate here, in detail, the real equivalent of all these advance payments, but it is important to note the fact that so large a sum was paid in advance.
11. I have nothing to add to Mr. Disney's remarks on the subject of prices,

Prices-Mr. Disney's paragraph 31.

Reveriae History-Mr. Disney's paras. 31 to 33.
In Table II, e. g. against the years 1861-62, 1869-70, and 1880-81.
In Table III, 1859-60, 1861-62, 1869-70 and 1880-81:

Mr. Disney's paragraph 34. Appendix P . and agree with what he has written regarding the revenue history of the expiring lease. There are in the Appendices given some noticeable fluctuations under the head of unoccupied waste, which, it majabe presumed, are due to the inclusion or exclusion of areas for forest purposes.
12. With regard to the remissions shown against the 4 Dhárwár villages in Appendix $P$, the Mámlato
dar explains that they are due to certain orders* of Government which related
*Government Resolutions Nos. 3062 and 2663 of 1882. to that Collectorate generally, and not to any local cause.
13. The grouping and rates proposed were, as already mentioned, generally considered and approved by Mr. Stewart before

Proposed grouping and rates of assessment.
Mr. Disney's paragraph 35. handing over charge; but some slight modifications in the grouping were suggested by Mr. Disney with regard to certain villages east of the range of hills mentioned in his paragraphs 13 and 50 , in which I entirely concur. The new railway has followed lines of existing. communications; and until it has familiarised itself to the people, and we can see in some detail what changes its presence will bring about, we should be ill-advised to count too freely on, and discount its beneficial effects in a country so unprepared for it as that which lies close along the line of railway. The effects of the free communication with the sea-coast now opening to the whole Southern Marátha Country must be great and immediate; but, as regards the Khánápur Táluka, its influence will be felt sooner in the more open villages somewhat removed from the course of the railway, than in the uncleared country through which a way has been cut. In the main, therefore, the old arrangement of groups is proposed to be followed, and the rates are graduated from the north-east corner of the táluka, whose climate and communications alike are most advantageous to the south and west, where they are least so. For rice cultivation the climate is equally good throughout the táluka, but for dry crops it is only fairly favourable in the first group, and deteriorates as one proceeds southward and west. ward, until in the two last groups only náchni and the coarse grains proper to a Ghát country can be raised in unirrigated land.
14. There is but a small area recorded as garden under the revision Mr . Disney's paragraph 47. survey, though considerably more than under the existing settlement. It is confined almost to the western villages, and in nature resembles that of Kánara, in that it depends chiefly on the natural moisture of the situation and on water obtainable close to the surface of the soil or from small rills : garden land of this description is capable of bearing very valuable crops if properly attended to, and is particularly profitable, because little or no labour is needed to utilise the water-supply. In the Khánapur villages, however, the cultivation of these natural garden lands has not yet been fully developed, and coffee, limes, mango, and jack trees are the usual produce. A low rate, therefore, not exceeding Rs. 4 per acre, has been generally imposed; but in a few cases, where cultivation is more advanced, and cocoa and supari palms are grown, the rate has reached Rs. 6.
15. It will be noted that of the total increase proposed, which amounts to 30.5 per cent., the principal stress falls on the four

- Estimated resalt of pro-

Mr. Disney's paragraphs $48,49$. eastern groups, while in the comparatively uncleared country of the two western groups the increase is but 14.6 and $11 \cdot 1$ per cent. respectively. On the same principle the chief weight of the increase has been made to fall on the rice lands, which are very productive; and the dry-crop lands, which are generally poor in quality, are thus comparatively relieved.
16. The increase in Group III, rising above the limit of 33 per cent., calls Mr. Disney's paragraph 50. for special explanation, which is found in the facts explained in the 50th paragraph of the report. It is in this group that the principal increase in rice cultivation has taken place, the rice area being now greater by 20 per cent. than at the former settlement; I concur entirely with Mr. Disney in the necessity for placing in this group the 9 villages of the old Kakkeri Karyat, which he shows to have been formerly far too lowly assessed. Under the circumstances explained it is unavoidable that the increase of this group should slightly exceed the limit usually observed, and I trust that Government may be pleased to approve.
17. In this settlement, as in the Belgaum Táluka proposals for which are now before Government, and as before that in a por-

[^1]tion of Sampgaon Taluka, it has been found that from the mere rectification of the former too low valuation of the water-supply of the rice lands the revenue would
be increased as much as seemed desirable without making any enhancement to the maximum rates; the maximum rate for rice land has accordingly been retained in every village as it was at the original settlement. The increase in the area of rice land in this táluka is not important, amounting to only 9 per cent. on the former recorded acreage,-a difference which might indeed be due merely to inaccuracies in the old measurement. A wish, however, was expressed by the Survey Commissioner, that more detail should be given, if possible, in future reports regarding the extent and assessment of new rice land-land, that is which has been converted from dry-crop into rice during the currency of the expiring settlement. Mr. Disney has, therefore, dealt with this point more fully than would otherwise have been neeessary, though it was not possible he should add anything to the full and clear explanation of the subject given by Colonel Anderson in his Bankapur Report, on which Government accorded their approval to the system ever since adhered to in all Southern Marátha Country settlements.
18. As a matter of fact, in the Southern Marátha Country, as elsewhere, it is not practicable accurately to separate, on the ground, the area that was formerly rice from that which may have been added during the thirty years that have elapsed since the measurements were made, and a system was, therefore, needed which would not depend in any way on such a separation, but which would yet provide for the assessment of natural advantages only, without trenching on improvements made by private capital ; this is attained by putting the assessment on all rice land, which has moisture insufficient to raise a second crop, at rates which do not exceed those found suitable for plain dry-crop land in exceptionally favourable situations: there is no doubt under this system some loss of revenue on original rice land, which might often be assessed at higher rates, if it were not for the necessity above explained; but simplicity in practice and, above all, the avoidance

* Cf. paragraph 55 of the Bankapar Reveriue Settloment, Report. of much petty and vexatious inquiry* must be held to fully compensate any loss thus incurred. The whole subject, however, is so exhaustively disposed of in Colonel Anderson's report, that I should not have thought it necessary, but for the reason explained, to say more than that his system has been strictly adhered to.

19. I have nothing more to add to Mr. Disney's remarks further than to explain that these proposals have been delayed partly by the unusual pressure of settlement work this year in the Southern Maratha Country, where Mr. Disney has had hard and unaccustomed work in disposing of it, while his office was somewhat crippled by sickness, and partly because it seemed desirable to discuss, as fully as was practicable, the doubtful points in the statistics of the western villages for which further figures were necessary.

> I have, \&c.,
> W. M. FLETCHER, Superintendent, Poona and Nassik and S. M. C. Revenue Survey.

Na. 3403.


#### Abstract

From

J. FAIRLIE MUIR, Esquire, Collector, Belgatm District ;


To
The SURVEY and SETTLEMENT COMMISSIONER.

$$
\text { Belgaum, dated 29th September } 1887 .
$$

Sir,
I have the honor to forward* the proposals of Mr. Fletcher, Superintend-
*Separately through the Collector of Dhárwar.
ent, Revenue Survey, for the revision of the land revenue settlement of the Khánápur Táluka. I fully concur in these proposals.
2. Some time ago, I submitted + to you the Superintendent's proposals for the revised settlement of the Belgaum Táluka. This taluka lies along the northern length of the Khánápur Táluka. The circumstances of the two
+Letter No. 1071, dated 29th March 1887. tálukás are similar to a considerable extent; Khánápur, however, has more hill and considerably more forest. My above letter applies also, generally, to the Khánápur Táluka.
3. The papers, that I forward, show to what extent it has been found necessary to alter the original survey record of measurement and classification. This record has now been made sufficiently accurate for all practical purposes. Materials, taken from it, are available to make an assessment; that will, in all future operations, be treated as the "initial assessment."

- 4. The original survey was fair. Experience proves it to be so. This is shown by the revenue history of the táluka and the account of the present condition and the progress of these villages-more especially of the cultivating classes-that are here given in detail.

$$
\begin{aligned}
& \ddagger \text { Sections } 4 \text { to } 13 \text {. } \\
& \ddagger \text { See Mr. Disney's Sections } \\
& 40 \text { and } 41 \text {. }
\end{aligned}
$$

5. In connection with this matter, only two points appear to call for notice from me. The first is fully stated in my letter $\ddagger$ mentioned above. Here, $\S$ as in the Belgaum Taluka, cattle have increased somewhat in numbers. The decrease in non-agricultural cattie is more than made up for by the increase in agricultural cattle. This increase has fully kept pace with the extension of cultivation. My remarksil on this subject apply equally to the Khánápur Taluka ;with this addition, that the Tinai Ghat road comabove letter. pleted in 1865-66 is, in the Khánápur Táluka, the chief cause of the decline of the traffic by pack-bullock and the consequent falling off in the numbers of nonagricultural cattle. The construction, of late years, of the Amboli Ghát and other made roads has, too, done much to lessen this traffic. While the completion of the railway to Goa must ere long give it its death-blow.
6. The other point calling for notice is the decrease $f$ in the population

- Mr. Disney's Section 38 and Mr. Fletcher's Sections 8 and 9. of the villages of the fifth and sixth groups. This is not, I consider, due to the causes conjectured. It was, I hold, wholly caused by the epidemic fever of 1863-64 and subsequent years. This fever, of a virulent type, caused great mortality over the whole of the tract in question. It was more fatal and lingered longer in the hilly and wooded parts, shown in the map as groups 5 and 6.

7. I have not, indeed, been able to discover, in the English records of my own office, any allusion to this epidemic. But people all over the taluka now tell one of it. I have, too, come on a correspondence in the vernacular about

- Revised Settlement of the Supa and Yellápur Tálokás, page 7, Sections 8 ta 12 ; page 137, Section 16 ; and page 129, Section 8.
$\dagger$ The figares differ, though not materially, from those given by Mr. Disney-

7 Excluding the 6 villages (group 3) of the Dharwar District:
§ In the years of - settle-ment-51,928.
$\|$ In the year of settlement $-13,324$.

If In the year of settlement $-3,122$.
large sums, spent by Government in the years 1866 and 1867 on the purchase of quinine for distribution to the fever-stricken people. Further, mention is made in Government "Selection No. 187* of the prevalence of this epidemic in the tract in question, known at the time as the Bidi Taluka.
8. The village returns, that may be looked on as roughly correct, show how fatal the fever was all over the táluka, especially to the west and south. If the first four groups, $\ddagger$ that lie in the more open country to the north-east, the population was 51,608 in $\$ 1863$. In 1866 it had fallen to 49,168 . Thereafter it rose, little by little, to 65,745 in 1886 . In groups 5 and 6 the decrease was longer continued; the epidemic lasted there up to 1870 . In group 5 the population in $\| 1863$ was 13,356 . It had fallen to 8,100 in 1870 . Thereafter it rose, year by year, to 10,334 in 1886 . In the sixth group the population in $\mathbb{1} 1863$ was 3,212 . It fell year by year to 937 in 1870. It then gradually rose to 2,971 in 1886. In these two groups the mortality was, it will be seen, very great; nor, up to date, have they recovered themselves. These comprise the villages in which the kumri form of cultivation formerly prevailed to a considerable extent. The restrictions on this kind of cultivation, coupled with the poorness of the villagers and their barren land, may be held to account for the fact that their recovery has been thus slow; and is not yet fully established. Except, however, in the matter of population, these villages cannot** be said to have retrograded. The standard of comfort-if so it can be called in their 8 and 9. case-has risen. This has been so, especially during the last few years. Large numbers of the villagers have of late years found employment near their willages on the railway works, forest cuttings, \&c.
9. The decrease is no way due to the pressure of the land assessment. The fact, that the 16 inám villages in the taluka also fell off in population in the fever years goes to show that this is so. These inam villages lie, for the most part, immediately to the north-east of group 5 ; being situated more in the open country, where the fever was less severe than to the south-west. Their population was 3,280 in 1863 . It fell thereafter, year by year, to 2,592 in 1868. The figures for 1869 and 1870 are nat forthcoming. Thereafter it rose gradually to 3,259 in 1886.
10. I note, with reference to the last sentence of Section 32 of Mr. Disney's letter, that the Mámlatdar's record of unoccupied assessed land appears to be correct. In his records the forest reserved land is separately and, correctly shown. Without the detailed returns, however, I cannot offer any explanation of the difference of 2,508 acres that Mr. Disney draws attention to. I have asked Mr. Disney to let me have these returns. I shall report, hereafter, if on their receipt I am able to explain the matter.
11. Mr. Fletcher draws $\dagger$ attention to "some noticeable fluctuations" in the entries concerning land in Appendix N, " which it
" may be presumed are due to the inclasion or exclu" sion of areas for forest purposes." This is not so. Up to 1879-80 there was practically no alteration in the amount of forest land. It was for the first time shown separately in that year in the revenue accounts. The area has not since been altered.
12. In addition to those, noted by Mr. Fletcher, there are a number of other remarkable fluctuations in the entries in columns 2, 8 and 11 of Appendix N. The causes of these are fully stated in the annual talebands. They are mainly as follows. Up to the introduction of the survey, and also to some extent thereafter, extensive areas were given out for kumri cultivation. These were given out on varying conditions and, generally, only for periods of two years. The entries in question were materially affected in consequence. Then, some
twenty-five years ago or so, a good deal of land was transferred from column 11 to 2 , in consequence of the decisions of the Inam Commission. Further, in seyeral years, more especially soon after the original settlement, large areas of unassessed land were assessed; and thereon either given out for cultivation or else retained as unoccupied assessed land. These are the principal causes.
13. The details of cultivation are given* for the five years ending 1885-86. But, owing to an alteration in the form of the revenue returns, complete figures cannot, I think, well -Mr. Fletcher's Section 5. be given for more than three years. I show below the percentages of the various crops during these three years. This is for the whole of the occupied $\dagger$ Including the inam lands. land $\dagger$ of the 224 villages in question. Its yearly average area is $1,84,844$ acres ; 3,494 acres of which are returned as twice cropped :-

| Name of Crop- | $\begin{aligned} & \text { Percentage } \\ & \text { Cultivation. } \end{aligned}$ | Total. |
| :---: | :---: | :---: |
| Rice | -. | $33 \cdot 8$. |
| Sugarcane Other garden crops | $\begin{aligned} & -4 \\ & -2 \end{aligned}$ |  |
| Rági (náchni)... | 11.3 | 28.2 |
| Great millet (jola) | 5.0 |  |
| Chenna (vari) ... | $4 \cdot 1$ |  |
| Kulthi (húrḷe)... | $3 \cdot 3$ |  |
| Sesamum seed (yellu) | $2 \cdot 0$ |  |
| Italian millet (navani) | $1 \cdot 2$ |  |
| Other khárif crops $\ddagger$ | $1 \cdot 3$ |  |
| Common pea (batgaḍli) Other rabi crops $\ddagger$ <br> Grass, woods and fallow | . 1. | $\begin{array}{r} 2 \cdot 5 \\ 34 \cdot 9 \end{array}$ |
|  | ... |  |
|  |  | 100. |

fThese are made up of a large number of orops; the meparate figures for each of which are less than 1.0 per cent.
14. As in the Belgaum Táluka, so here, rice and rági are the staple crops throughout the táluka. The great millet, too, is grown to a considerable extent in the north-east of the taluka. Its cultivation may be said to be confined to the first three groups.
15. The original assessment, shown to be fair, has now to be revised. The profits of cultivation,-i.e. the money equivalent thereof,-have increased. Prices have risen; but it cannot, I think, be safely assumed that they have risen to the extent, estimated§ by Mr. Disney. Allowance
§ Section 31 of his letter. must be made for the scarcity prices of 1876-77 and following years.
16. Mr. Disney, rightly I consider, bases his calculations on the prices of the ruling bázar of Belgaum-cum-Sháhpur. Belgaum lies only 14 miles distant from the northern boundary of the táluka, and is connected with it by three good roads. The pricesß of the larger local bázárs-.
$\|$ Appendix M. Nood roads. The pricesh or $\quad$ Nandgad and Khánápur-rise and fall as the Belgaum prices do. The Khánapur price-list is defective for the earlier years; while the prices given for Nandgad, which is not the Mámlatdarr's head-quarters, are not altogether reliable. The prices at Belgaum, on the other hand, have been carefully kept and checked all through the period in question. It may, then, be safely held that the rise and fall of prices in the tract in question are for all practical purposes those of the Belgaum bázár.
17. Appendix $M$ gives the prices, separately, for each of the last four decades. In the fourth decade the years 1876-77, 1877-78 and 1878-79 are
included. This is a mistake, I think. The prices of these years must be looked on as "scarcity prices." They ought aceordingly to be struck out of the calculation. I have fully commented on the Belgaum prices in my letter, a above mentioned, about the

- Sections 17 to 19. Belgaum revision settlement. I need not, I think, repeat here what I wrote. I may, however, give again the table of prices. It is as follows :-


The first period is from 1842-43 to $1851-52$; the second from 1852-53 to 1861-62; and the third from 1862-63 to 1871-72. The fourth period is of eleven years from 1872-73 to 1885-86; excluding the three years 1876-77, 1877-78 and 1878-79.
18. The increase in the profits of cultivation cannot be held to be altogether in the proportion of the rise of prices. The costs of cultivation have undoubtedly increased; and must be allowed for. I consider them to have risen some 5 to 10 per cent. I have explained in my report on the Chikodi revision settlement how I arrive at this estimate.
†Sections 22 to 27, page 100, I am not, however, able to hazard a conjecture as Government Selection No. to what percentage of the former net profits they
188. have eaten up.
19. Then allowance must be made for the rise in the standard of comfort of the cultivating classes, that has assuredly taken place. Allowance, too, must be made for the rise in the future, that may confidently be expected.
20. I assume, too, that the profits of cultivation will, during the next thirty years, remain what they have been during the last period. It cannot be predicted with confidence or any great show of probability whether they will rise or fall. But the railway $\ddagger$ through the taluka will doubtless affect thens: It will give ready access to Poona and the country to the north and north-east; to Hubli and the south
$\ddagger$ Quite recently opened. and south-east; and to Goa and the sea. It will lessen the cost of carriage to foreign markets of rice, the staple of the táluka. It will open out markets, hitherto practically closed. It may, I think, be expected to increase the profits of cultivation.
21. The villages in question were settled towards the earlier part of the second§ period, given above ; i.e., 6 in 1853-54, 113 in $\$ 1852-53$ to 1861.62: $1854-55,103$ in 1855-56 and one in each of the years 1856-57 and 1858-59.
22. "The general enhancement of the tract under revision" is 30.5 per cent. This, on a comparison of the prices*. of the first period with those of the fourth and after allowance is made for the matters stated above, cannot be held to be otherwise than fair to all concerned.
*i. e. "the initial prices" on which the original assessment was based.
23. The increase appears, too, to be fairly distributed over the various villages. I had the adrantage, some months ago, of discussing in detail with Mr. Disney the grouping aud rating. The villages seem to me to be properly grouped; and the maximum rates relatively fair. My only doubt is with reference to the increase of the rates of the fifth and sixth groups. These groups have fallen off in population during the term of settlement; the decrease, however, being in no way due to the pressure of the Government assessment. Their circumstances are poor; those of the wilder Ghát villages (i. e. group 6) especially so. Still I do not think that there is sufficient $\dagger$

+ e.g.-agricultural cattle, the chief wealth of these forest villagers, have largely increased in numbers.
reason for exempting them from sharing in the general enhancement of the very moderate assessment, that they pay. In their case the enhancement is small; it is 14.6 per cent. in the case of the fifth group and $11 \cdot 1$ per cent. in that of the sisth;" "their present low dry-crop rate is not disturbed by these proposals."


# I have, \&c., <br> (Signed) J. FAIRLIE MUIR, Collector. 

No. 3456 of 1887.
Dhdrwár, 20th October 1887.

## Forwarded to the Survey Commissioner.

The undersigned is only concerned with this revision so far as it affects 6 villages in the Mugad Petha of the Dhárwár Táluka which formerly belonged to the Bidi Táluka under Belgaum. These villages are included in Mr. Disney's third group, and there can be no doubt regarding the advance they have made in every way since the original assessment. The only doubt that the undersigned has, is regarding the water classification of rice land. In his 15th paragraph Mr. Disney states that in these 6 villages the late crops are of little importance, there is a fair amount of jowári and náchni grown, but here again rice largely predominates over any other crops. Again, from his 52nd and 53rd paragraphs it is clear that out of an increase of Rs. 27,311 in the assessment of his group No. III; in which these villages are included, no less than Rs. 20,654 is due to the revaluation of the water advantages of land which was under rice cultivation at the orginal settlement, and to the assessment for the first time of the water advantages of land which has been converted from dry to rice during the term of the settlement In his paragraphs 54-61 Mr. Disney has defended his water classification, and has stated that it has been carried out according to the principles laid down by Colonel Anderson in his report on the revision settlement of the Bankápur Táluka, which was approved by Government. Now, on consulting Appendix 0 to Mr. Disney's report, it will be found that in the village of Hindasgeri (No. 54) the rice land has increased from 382 to 660 acres. This is a very large increase, amounting to very nearly 75 per cent. Now Colonel Anderson in paragraph 55 of his report on the Bankápur revision settlement points out that we must be very careful against putting an extra assessment on rice land which comes under the definition of au improvement. He goeson to say:-"Of course if an excess of area was foupd now to be rice land above that recorded at the first survey, the presumption would be that the excess was the result of an improvement; this would, however, be by no means a certainty, \&c. \&c." Now it appears to the undersigned that when the excess is so very large, as in the present instance, it would have been advisable to show exactly how much of the assessment was due to soil and how much to water classification. If the rayats have onlyo taken advantage of the natural position of land, and have at some labour and expense converted it into rice land so as to take advantage of the naturally existing supply of
water which drains from neighbouring slopes, it does not appear just that they should be taxed for their improvements. It may further be remarked that Mr. Fletcher in paragraph 8 of his report on the revision settlement of the Dhárwarr Taluka, in which these villages are now included, and to which they were always contiguous, states that " the large increase in rice and in garden area is a most favourable sign, and is due entirely to the exertions of the people themselves." Colonel Anderson's arguments in his report on the Bankápur revision regarding the difficulty of separating new rice land from old, and the extent to which the water-supply to the new land should be taxed, may be very true, and his solution of the difficulty may have been a very fair onc on the whole, but it was a solution founded on expedience, and apparently admittedly not on the facts of each case. At the time tse Colonel Anderson's report was written (January 1876) the discussion regarding the taxation of improvements that led to the amendment of Sections 106 and 107, Land Revenue Code, by Act IV of 1886, had not taken place. In accordance with the orders of Government, the petitions made by the rayats of the villages objecting to the new rates of assessment are forwarded herewith. The only forcible argument brought forward is that the rayats have converted dry-crop into rice by their own labour and at their own expense, and that such improvements should not be taxed. In Kadabgatti it will be seen that the rate on rice has been raised from Rs. 2 and Rs. $2-8 \cdot 0$ to Rs. 5. The Survey Department may be able to show that the increased assessment is entirely due to water, and not to soil, classification, and that improvements carried out by rayats have not been taxed; but, owing to the passing of Act IV of 1886, it seems to the undersigned that it is not now open to the Survey Department to refer to a system which was sanctioned for Bankápur so far back as 1876. It must be shown, regarding old rice land, that the water advantages were undervalued at the original survey, and have now been placed at their proper valuation, and regarding new rice land that it is not an improvement due to the rayat himself, and that the water advantages are not natural, but due in some way to the State. This does not seem to have been done in the papers before the undersigned.
(Signed) J. K. SPENCE,
Acting Collector.
Through the Commissionef, S. D.

No. 2203 or 1887.
From
A. S. BULKLEY, Esquire,
Actina Suryey and Settlement Comaissioner;

To
The CHIEF SECRETARY to GOVERNMENT, Revenoe Department.
Survey Commissioner's Office, Camp Kanjari, 22nd December 1887.
Sir,
The papers which I have the honour to forward herewith relate to the revision settlement of 224 villages of the Khanápur Táluka of the Belgaum Collectorate and 6 villages formerly of that taluka, but transferred since the original settlement to the Dhárwár Táluka of the Dhárwár Collectorate.
2. The proposals for the revised grouping and maximum rates of these villages, which, with one slight subsequent modification therein, are those which Mr. Stewart when Survey Commissioner himself decided upon. in concert with Mr. Disney, Acting Deputy Superintendent, Southern Marátha Country Survey, have been submitted by Mr. Fletcher, Superintendent, Poona and Násik and Southern Marátha Country Surveys, with forwarding remarks thereon, to the Collectors of Belgaum and Dhárwár, and have been reviewed by these officers in due course with respect to the villages with which they are respectively concerned. These groupings and rates are entirely approved of by both the Collectors.
3. The remeasurement operations have been conducted on the partial system. which has been approved of by Government in the case of all recent
revisions in the Southern Maratha Country. The result is that the old measure. ${ }^{2}$ ment work has been confirmed in nearly 80 per cent. of the gross area and 21,020 old survey numbers have, been converted into 22,396 revision survey numbers. The difference in the gross areas by the two surveys amounts to only 0.33 per cent., and as regards areas of individual survey fields also the old measurement has proved to be exceedingly accurate. It is true that, in $6 \frac{1}{2}$ por cent. of the old survey fiekds, differences exceeding 5 per cent. of area have been exhibited, but this result does not indicate incorrect work, but is due chiefly to the small areas of a large proportion of the fields which came under revision measurement, and in whose cases even a trifling increase or decrease worked out into a high percentage of difference.
4. Under the revision classification, which was also mat on the partial system, 29 per cent. of the new survey numbers, comprising 16 per cent. of the gross area, have been reclassed. The water-supply of all rice land (old and new) and of all garden land irrigated by channels from streams was reclassed. The existing soil classification was found to be well done, and the valuation in force has been to a large extent confirmed.
5. The geographical position and physical features of the táluka are described in' paras. 12 and 13 of Mr. Disney's report. Throughout its area the rainfall is certain, and well suited to the cultivation which prevails in the several differing tracts. Rice, which is the staple cereal (raised either by drill sowing or planting out), is grown in 37 per cent. of the net cultivable area according to the figures given in Mr. Disney's 10th para. The Collector of Belgaum (his 13th para.) gives for rice cropping in the three years 1883-84 to 1885-86 an area percentage of 33.8 on all the occupied land of the 224 villages of the taluka in his Collectorate. The small difference in these percentages is due to all the cultivable area being taken in the former case and the cultivated in the latter. Náchni (or ragi) covers the next largest percentage of cultivated area, and is grown chiefly in the eastern villages of the 224 of Khanápur Taluka proper. Of the gross occupied area a yearly average, in round numbers, of about 60 per cent. is under early (kharif) cultivation,-3 per cent. under late (rábi) crops, and 37 per cent. is kept in grass and fallow. So large a proportion of cultivable land reserved for pasturage and fallow is usually met with in tálukás along the Ghats with a mojst climate.
6. The talluka is now well provided with roads, of which three are provincial, and used by carts throughout the year. There were none such at the original survey settlement. Several cleared roads have also been made out of Local Funds, and the state of the taluka's communications with markets of some importance both within and beyond its own limits and also with the two sections of the Southern Marátha Country Railway, which traverse a portion of its area, is decidedly good. The Collector of Belgaum (see his 20th para.) is of opinion that the result of the railway when in regular working will be to increase the profits of cultivation over the whole taluka, and in this view I concur, although it is probable that the effect will be evidenced earlier in those parts of it which are situated somewhat distant from the actual line of the railway. The population of the villages is for the most part agricultural, and the only local industry of importance is that of making a preparation of rice grain, called "churmuri," and exporting it in large quantities over an extensive area, and to places at long distances, beyond the tâluka.
7. In Mr. Disney's 36th para. an analysis is given for the 230 villages (as now proposed to be grouped), of the statistics of population and agricultural stock and resources for the whole taluka which are to be found embodied in his 23rd para. and detailed in Appendices D and E to his report, which relate to the -224 and 6 villages separately. In the 224 villages the increase of population since the original settlement is 13.2 per cent., and in the 6 villages it is $18 \cdot 2$ per cent. If comparison of these results be made with the figures given in the report of the revision gettlement of the Sampgaon Taluka, which district is considered by Mr. Stewart to be most analogous to the Khánápur Táluka, it will be seen that the figures of increase in the two coincide closely. In the case of the 5 th and 6 th groups of the Khánápur villages a decrease in population is shown. Mr. Muir differs somewhat in hís. explanation of its causes from that stated by Mr. Disney and Mr. Fletcher, 'and attributes the result mainly to the non-recovery, up to date, from the heavy mortality from virulent fever which prevailed, (especially in the tract occupied by these two groups), in the years from 1863-64. to 1869-70 inclusive. He agrees, however, in the explanation offered by the
two survey officers, so far as he attributes the slowness of what recovery has been made to the fact that the population chiefly practised "kumri" cultivation, and owing to its restriction latterly have migrated elsewhere. A reference to the 7th para. of Mr. Stewart's report No. $\frac{A}{669}$, dated 11th April 1885, on the revision settlement of the Sampgaon Táluka, shows that the prevalence, during the period above mentioned, of severe epidemic fever in the western part of the Belgaum Collectorate, especially in the Kittur Mahál of Táluka Bidi, was noted by that officer as naturally accounting for the non-increase of population in them during the term of the survey settlement, which was found to be the case. As regards the villages of the present 5th and 6th groups, it is satisfactory to note that all the officers who have considered and pronounced upon the subject, admit that the decrease in their population is not due to the burden of the existing survey assessments.
8. Reviewing the statistics of the other subjects, it is found that in the 230 villages there is an increase of 21 per cent. in houses, chiefly of the middling class. Only in the 14 villages of the new 6 th group is there a decrease. Working cattle have increased in the whole táluka by $42 \frac{1}{2}$ per cent., the increase being largest in the 4th, 5 th, and 6 th groups. The decrease in non-agricultural beasts is covered by the total increase in the agricultural cattle. This decrease appears to be correctly attributed by Mr. Muir (his 5 th paragraph) chiefly to the completion of the roads by the Tinai and Amboli gháts, which has made the employment of pack bullocks for traffic less needful. The proportion of working cattle to cultivated area is one pair to 5 acres, and this is high even where the proportion of wet cultivation is so large as it is in the tract under report. Sheep and goats have increased by 18 per cent., and the area available for pasturage is doubtless utilized by them to a great extent. Carts show a very large increase for the whole 230 villages, amounting to 208 per cent. The general increase is, no doubt, mainly due to the improved state of the communications throughout the táluka. Wells and budkis show a total increase of nearly 38 per cent.' The increase in the area under irrigation by both appliances has been at the rate of 1,130 per cent. in Government land and 700 per cent. in alienated land.
9. The abstract, given in Mr. Disney's 26th para., of the figures of Appendix $H$ relating to subtenures shows that 50 per cent. of the total occupied survey numbers in the 224 Khánapur Táluka villages are cultivated by the occupants alone or in partnership, and that 23 per cent. of them are sublet for money and 10 per cent. for grain payments. In the 6 Dhárwár Táluka villages the figures are, respectively, nearly 35 per cent., 7 per cent., and 52 per cent. In them the relatively large proportion of survey fields sublet for grain payments is doubtless due, as Mr. Disney remarks, to the fact that much of such land is held by non-cultivating classes. A similar state of things has been remarked upon by Mr. Stewart as prevailing in the neighbouring Sampgaon Táluka.
10. The statements compiled from figures supplied by the Sub-Registrar's office, relating to sales, leases, and mortgages of land in the villages of the Khánápur Táluka and of the Dhárwár Táluka during the five years 1881 to 1885 , indicate that land of fair quality bears a generally high market value. The subjoined summary of cases of subletting for payment of a fixed yearly rent in cash illustrates this:-

| Number in List A ppendix K (I). | Assessmen $_{t}$ of Lands - sublet. | Period of Lease. | Yearly Rent payable to Lessor during the Lease. | Government <br> Due paid by |
| :---: | :---: | :---: | :---: | :---: |
|  | Rs. 8. p. | Years. | Rs. 8. p. |  |
| 9 | 5120 | 5 | $39 \quad 0 \quad 0$ | Lessor. |
| 12 | 900 | 5 | 35.0 | Do. |
| 23 | 4100 | 5 | 100.0. 0 | Do. |
| 27 | 1800 | 10 | $80 \quad 00$ | Do. |
| 34 | 800 | 10 | 2800 | Do. |
| 35 | $14 \quad 40$ | 2 | 4500 | Do. |
| 39 | 1000 | 40 | 2500 | Do. |
| 40 | 3900 | . 5 | 12500 | Do. |


| $\begin{aligned} & \text { Namber in } \\ & \text { Lint Appendix } \\ & \mathbf{K}_{(1)} . \end{aligned}$ | $\begin{aligned} & \text { A seessnent } \\ & \text { of Land } \\ & \text { nublet. } \end{aligned}$ | Period of Lease. | Yearly Ront payable to Lessor during the Leane. | Government Due paid by |
| :---: | :---: | :---: | :---: | :---: |
|  | Rs. a. p. | Years. | Rs. an p. |  |
| 41 | 900 | 5 | 3780 | Lessor. |
| 43 | 9120 | 2 | 2000 | Lessee. |
| 45 | 7.00 | 10 | $40 \quad 0$ | Lessor. |
| 64 | 1400 | 5 | 4300 | Do. |
| 66 | 2700 | 5 | 7200 | Do. |
| 67 | 2200 | 5 | 7200 | Do. |
| 82 | 2300 | 4 | $50 \quad 0$ | Do. |
| 83 | 6.40 | 4 | 2000 | Do. |
| 85 | 700 | - 5 | 2000 | Do. |
| 88 | 1100 | 4 | $50 \quad 0$ | Do. |
| 89 | 1200 | 4 | 5200 | Do. |
| 93 | 900 | 10 | 3200 | Do. |
| 94 | 1380 | 10 | $50 \quad 0$ | Do. |
| 95 | $16 \quad 0$ | 30 | 3500 | Do. |
| 96 | 4300 | 12 | 10800 | Do. |
| 101 | 1500 | 10 | $50 \times 0$ | Do. |
| 103 | 600 | 10 | 1300 | Do. |

Mr. Fletcher has correctly noticed (in his 10th para.) that about 8 of the total sum paid by the lessees of the 1,369 acres of land sublet in the Khanápur villages were advanced for periods of which many were of considerable length, and that this element in the transactions enhances the letting value beyond that which has been calculated by Mr. Disney and stated in his 29 th para. It will be seen, by a reference to the 12 th para. of Mr. Stewart's letter on the revision settlement report for Táluka Sampgaon, that a similar system of making such payments in advance prevailed in that district.
11. The figures relating to lease transactions during the same period in the 6 Dhárwár Táluka villages appear to indicate a lower letting value of land, but it is possible that the cases are comparatively too few to enable a correct general comparison to be drawn.
12. In Appendix $M$ will be found a record of prices in the two marketsBelgaum and Nandgad-during the forty-two years ending with 1885-86. The record for the purely local market Khánápur is too recent and incomplete to be valuable for comparison. Taking Belgaum as the chief market, and dealing here with the three staple products of the táluka,-namèly, jowári, náchni, and cleaned rice, -it is found (see Mr. Disney's 31st para.) that a contrast of their prices for the first ten years of the existing settlement (1854-55 to 1863-64) with those for the twelve years 1874-75 to 1885-86, shows an increase per cent. of 42 in jowari, 39 in náchni, and nearly 64 in rice. Mr. Muir has (see his 17th para.) questioned the propriety of including the three years of exceptional high prices (1876-77 .to 1878-79) in the period taken by Mr. Disney for contrast with the earliest decade of the existing survey lease, as tending to give an incorrect figure of the average of prices and, therefore, furnishing an unsound basis of argument from the rise exhibited thereby. I do not, however, myself question the propriety of their inclusion. It is a fact that the high prices of the three years in question are counterbalanced by the comparatively low prices of the three years succeeding them. Even were it not so, however, it is, I think, only right to admit the give-and-take of such fuctuations in prices as may be expected to occur during the liberally long period of a thirty-years' lease.

However this may be, I concur in Mr. Muir's opinion that, if every thing bearing on the subject be duly considered, there is sufficient reason to expect that the prices of these staple products will not fall, and may rise during the next survey lease.
13. The revenue history of the táluka during the expired lease is to be found in paras. 32 to 34 of Mr. Disney's report, and tabulated in the two parts of Appendix $N$, which are for the 224 and the 6 villages separately.

The chief features indicated in the case of the Khanápur Táluka proper are the advances of cultivation and revenue; sudden and rapid immediately on the introduction of the survey rates in the southern and western villages mainly, and more gradual and sustained throughout in the remaining. villages. In the 6 villages now of the Dhárwár Collectorate the increase in cultivation and revenue has been early, steady, and almost unvaried.

Mr. Disney in his para. 32 states that there is a difference between the area of assessed waste as recorded by the revision survey and that rendered by the Mámlatdár, and explains that this difference is due to the inclusion, in the Mámlatdár's return, of certain area included in forest. No other explanation of this difference appears possible", as the Collector in a subsequent memorandum states that he has not been able to trace out this difference.

The "noticeable fluctuations." in unoccupied waste, referred to by Mr. Fletcher in his para. 11 as presumably resulting from inclusion or exclusion of forest reserved areas, are explained by the Collector to be really due almost entirely to other reasons, since, in the years noted by Mr. Fletcher as showing them, no such areas were separately shown in the reveuve accounts, and since the first year (1879-80) of such recording the forest reserve area has remained unaltered. The explanation of these fluctuations, given by the Collector, appears to be correct.
14. For the whole 230 villages it may be said that, during the survey lease, outstandings of revenue have been nil, and remissions quite insignificant, while pressure in collecting the Government demand has been almost altogether unnecessary. These facts and all the other previous information regarding the condition of the táluka and its population during the term of the expiring lease clearly show that the original survey rates have proved to be successful, and have resulted in a large measure of prosperity.
15. The question of the extent to which it is advisable and equitable to raise these rates has now to be decided. The modifications proposed in the constitution of the original groups are few. The same number of classes (6) will be retained as at the original settlement.

The 18 villages of the proposed group I include 12 of those of the original first class and the 6 transferred from the Kittur Peta. They are in the northeast of the táluka, are well situated in respect of markets, and lie within reach of the line of railway. The 21 villages of group II are also those of the original second class. They lie to the west of new group I, are well off for market conveniences, and have easy access to the railway. In group III are 58 villages (including the 6 villages transferred from Khánápur to the Dhârwár Collectorate), and they lie to the west and south of group II. The considerable markets of Khánápur and Nándgad (beside the smaller one of Alnávar) are in the group, and a section of the Southern Marátha Country Railway traverses the 6 villages, having a station at Alnávar, while the West Deccan section passes through Khánápur (a station) and the more northern villages. In group IV are 55 villages lying to the west of group III, within easy reach of the 2 chief local markets, and near the line of railway, of which a station (Gunji) is within their limits. In group $V$ are 64 villages, lying to the west and south of group IV. A large portion of their area is covered with jungle, with occasional clearings. A station of the railway (Londa) is within its limits. In group VI are 14 villages lying on and under the ghat, with poor communications. The arrangement of all these groups is practically that which was decided on by Mr. Stewart ; and as the only changes therein now proposed by Mr. Disney are approved of by Mr. Fletcher, and the Collectors concerned have, after full opportunity for criticism, expressed their entire concurrence in their arrangement, Government may be assured that they are altogether suitable for adoption. The respective maximum rates, both for dry-crop and rice lands, proposed to be applied to the villages in these groups and the correspondng maximum rates under the existing settlement are shown in the subjoined table :-


As these rates were decided upon by Mr. Stewart in consultation with Mr. Disney, and are approved of by both the Collectors who have had to pronounce on their suitability or otherwise, it is not necessary for me to advance arguments in their favour, but sufficient to express my belief, that they may be sanctioned by Government without hesitation. For garden lands irrigated from Government streams and tanks, a maximum combined rate (for soil and water) ranging from Rs. 6 to Rs. 4 will be applied, such cultivation being as yet but moderately developed and deserving of encouragement by the imposition of light rates. Lands watered from wells, old and new alike, will bear no irrigation rate, but. have been treated as dry-crop lands, in accordance with the orders contained in Government Resolution No. 1028 of 25th February 1874.
16. The table subjoined shows the result of the application of the proposed rates to the area of each main description of cultivated land, and the average rate per acre of each :-

| Degcription of Land. |  |  |  | Acres. | Proponed Asiegement. | Average Rate per Acre. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | * |  |  | Rs. | Rs. a. p. |
| Dry-crop ... |  | ... | ... | 75,661 | 32,860 | 0611 |
| Rice ... ... |  |  | ... | 29,447 | 83,813 | 2137 |
| Garden (wells) |  |  | ... | 79 | 62 | 0127 |
| , (channels) | ... | ... | ... | 44 | 178 | 409 |
|  |  | Total |  | 105,234 | 1,16,913 | $1 \begin{array}{lll}1 & 1\end{array}$ |

The general average rate per acre of Government occupied land under the existing settlement is Re. 0-13-10. By the revised settlement it will be nearly Re. 1-1-9, and the increase (Re. 0-4-0, or about 30 per cent.,) results partly from the increases in the maximum rates of the dry-crop lands, but chiefly from the classification of the rice lands, and more especially from the revaluation of their water advantages on a more correct standard.
17. In connection with this subject I will here review the remarks contained in the memorandum No. 3456, dated 20th October last, by the Collector of Dhárwár (among the accompanying papers) in relation to the rice lands of the 6 villages transferred from, the Khánápur Taluka to the Mugid Petha of the Dhárwár Táluka, and included in the villages of group III. It has to be noted preliminarily that Mr. Spence appears to have erroneously taken the figures of increase of assessment of rice area for the whole talluka for those of the particular group in question. The correct figures of increase of assessment for group III are Rs. 12,531, being Rs, 46,085 against Rs. 33,554 ; of this sum Rs. 8,324 are due to the altered state of things resulting from expansion of area under rice cultivation and its revised assessment. The proportion of the total enhancement due to this is 66 per cent. Mr. Spence specifies the increase of rice land area in one village (Hindasgeri) as nearly 75 per cent. This is so; but it is right to note that if the assessment of the rice area at the original survey be compared with that of the rice area at revision survey, and the average rate per acre of each be calculated, the result shows practically no increase in the average rate The figures are : original survey rice area $=382$ acres, assessed at Rs. 909, giving
an average rate of Rs. 2-6.0 per acre; revision survey, rice area $=$ Rs. 660 acres, assessed at Rs. 1,564, giving an average rate of Rs. $2-6-0$ (nearly) per acre. It is not understood from what figures Mr. Spence has obtained the result of increase in the (average) rate of rice land in village Kadabgatti, which he states to be Rs. 3 and Rs. $2 \frac{1}{2}$ respectively ; that is, Rs. 5 as against Rs. 2 and Rs. $2 \frac{1}{3}$. The correct figures in relation to this subject show that the average rice rate in this village has been raised from Re. 1-12-0 to Rs. 2-0-0, which equals a percentage rise of $14 \frac{2}{\%}$, instead of (as Mr. Spence's figures show) 150 and 100 . Such increases in assessment of the rice land areas as will result if the revised rates are applied, are not due to any thing else but to the valuation and assessment, for the first time, of water advantages enjoyed by land formed from dry crop into rice land since the original survey, and to an improved valuation of the water advantages enjoyed by land already cultivated as rice. The general undervaluation, at the original survey, of these latter advantages has been stated and set forth in former reports of revision settlements in the "Southern Maratha Country, and is within the knowledge of Government ; it is not, therefore, necessary to repeat and enlarge on the subject in the case of the present revision settlement, which is that of the last taluka to be dealt with. The advantages of naturally existing water-supply first mentioned, whether they be solely the drainage from neighbouring slopes, or in addition thereto the water derived from Government tanks and streams are such as, in my opinion, are legitimately assessable in the case of new and old rice land alike without contravening the provisions of the amended sections of the Land Revenue Code quoted by Mr. Spence. The proposed increase in assessment of the new rice land is not due to the increased valuation of its soil, for the classification rules of the revision survey have provided that the original soil valuation shall not be exceeded in such cases, although, on its present merits, a higher valuation may appear to be warranted for it, since it is possible that the apparent improvement in quality is due to the conversion from dry-crop land to rice land. It is, of course, not to be gainsaid that the argument advanced by the rayats of the 6 villages in Mr. Spence's charge in their petitions against the revised rates is forcible if it be the case that the increased assessment which will be imposed on the converted dry-crop areas is due to the valuation of any thing but the existing natural advantages of water-supply utilised by the land after being so converted. Such, however, is not the case; and although Mr. Spence questions whether the system of valuation, which has been carried out, is justifiable, I am of opinion that a discussion of the point in the present instance is not called for, and that Government may feel satisfied that all due care has been taken to deal with rice. land in these villages, old and new alike, strictly by the rules referred to by Mr. Disney in his 56 th paragraph, and in accordance with the principles advocated by Colonel Anderson in his report on the Bankapur Taluka, and adopted with the sanction of Government on past occasions.
18. The general financial results of the proposed revised rates in the several classes are shown in the subjoined table :-

|  | Clasa, |  |  | Govkrnmers Occupird Land. |  | Increase. | Percentage Increase. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Revenue by former Survey. | Revenue by Kevision Survey |  |  |
| 1. | ... | ... |  | 20,009 | 25,932 | 5,923 | $29 \cdot 6$ |
| II. | ... | ... |  | 13,918 | 18,285 | 4,317 | 31.0 |
| III. | . | ... |  | 38,554 | 46,085 | 12,531 | $37 \cdot 3$ |
| IV. | ... | ... |  | 13,666 | 16,998 | 3,332 | 24.4 |
| V. | -. | ... |  | 7,760 | 8,891 | 1,131 | 14.6 |
| VI. | ... | ... |  | 695 | 772 | 77 | 11.1 |
|  |  |  |  | 89,602 | 1,16,913 | 27,311 | $30 \cdot 5$ |

The immediate increase of revenue, which is Rs. 27,311, is $30 \frac{1}{2}$ per cent. on the revenue now obtained.


As these rates were decided upon by Mr. Stewart in consultation with Mr. Disney, and are approved of by both the Collectors who have had to pronounce on their suitability or otherwise, it is not necessary for me to advance arguments in their favour, but sufficient to express my belief, that they may be sanctioned by Government without hesitation. For garden lands irrigated from Government streams and tanks, a maximum combined rate (for soil and water) ranging from Rs. 6 to Rs. 4 will be applied, such cultivation being as yet but moderately developed and deserving of encouragement by the imposition of light rates. Lands watered from wells, old and new alike, will bear no irrigation rate, but have been treated as dry-crop lands, in accordance with the orders contained in Government Resolution No. 1028 of 25th February 1874.
16. The table subjoined shows the result of the application of the proposed rates to the area of each main description of cultivated land, and the average rate per acre of each :-

| Description of Land. |  |  |  | Acrea. | Propowed Asesament. | Average Rate per Acre. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { Dry-crop ... } \\ & \text { Rice ... } \\ & \text { Garden (wells) } \\ & \text { " (channels) } \end{aligned}$ |  |  |  |  | Rs. | Rs. a. p. |
|  |  | ... | ... | 75,661 | 32,860 | $\begin{array}{lllll}0 & 6 & 11\end{array}$ |
|  |  | ... | ... | 29,447 | 83,813 | 2137 |
|  |  | ... | ... |  |  | 0127 |
|  |  | ... | ... | 44 | 178 | 409 |
|  |  | Total |  | 105,234 | 1,16,913 | 11.9 |

The general average rate per acre of Government occupied land under the existing settlement is Re. 0-13-10. By the revised settlement it will be nearly Re. 1-1-9, and the increase (Re. 0-4-0, or about 30 per cent.,) results partly from the increases in the maximum rates of the dry-crop lands, but chiefly from the classification of the rice lands, and more especially from the revaluation of their water advantages on a more correct standard.
17. In connection with this subject I will here review the remarks contained in the memorandum No. 3456, dated 20th October last, by the Collector of Dhárwár (among the accompanying papers) in relation to the rice lands of the 6 villages transferred from, the Khánápur Taluka to the Mugid Petha of the Dhárwâr Taluka, and included in the villages of group III. It has to be noted preliminarily that Mr. Spence appears to have erroneously taken the figures of increase of assessment of rice area for the whole talluka for those of the particular group in question. The correct figures of increase of assessment for group III are Rs. 12,531 , being.Rs, 46,085 against Rs. 33,554 ; of this sum Rs. 8,324 are due to the altered state of things resulting from expansion of area under rice cultivation and its revised assessment. The proportion of the total enhancement due to this is 66 per cent. Mr. Spence specifies the increase of rice land area in one village (Hindasgeri) as nearly 75 per cent. This is so; but it is right to note that if the assessment of the rice area at the original survey be compared with that of the rice area at revision survey, and the average rate per acre of each be calculated, the result shows practically no increase in the average rate The figures are : original survey rice area= 382 acres, assessed at Rs. 909 , giving
an average rate of Rs. 2-6-0 per acre ; revision survey, rice area=Rs. 660 acres, assessed at Rs 1,564 , giving an average rate of Rs. $2-6-0$ (nearly) per acre. It is not understood from what figures Mr. Spence has obtained the result of increase in the (average) rate of rice land in village Kadabgatti, which he states to be Rs. 3 and Rs. $2 \frac{1}{2}$ respectively ; that is, Rs. 5 as against Rs. 2 and Rs. $2 \frac{1}{2}$. The correct figures in relation to this subject show that the average rice rate in this village has been raised from Re. 1-12-0 to Rs. 2-0-0, which equals a percentage rise of $14^{\circ}$, instead of (as Mr. Spence's figures show) 150 and 100. Such increases in assessment of the rice land areas as will result if the revised rates are applied, are not due to any thing else but to the valuation and assessment, for the first time, of water advantages enjoyed by land formed from dry crop into rice land since the original survey, and to an improved valuation of the water advantages enjoyed by land already cultivated as rice. The general undervaluation, at the original survey, of these latter advantages has been stated and set forth in former reports of revision settlements in the Southern Maratha Country, and is within the knowledge of Government ; it is not, therefore, necessary to repeat and enlarge on the subject in the case of the present revision settlement, which is that of the last taluka to be dealt with. The advantages of naturally existing water-supply first mentioned, whether they be solely the drainage from neighbouring slopes, or in addition thereto the water derived from Government tanks and streams are such as, in my opinion, are legitimately assessable in the case of new and old rice land alike without contravening the provisions of the amended sections of the Land Revenue Code quoted by Mr. Spence. The proposed increase in assessment of the new rice land is not due to the increased valuation of its soil, for the classification rules of the revision survey have provided that the original soil valuation shall not be exceeded in such cases, although, on its present merits, a higher valuation may appear to be warranted for it, since it is possible that the apparent improvement in quality is due to the conversion from dry-crop land to rice land. It is, of course, not to be gainsaid that the argument advanced by the rayats of the 6 villages in Mr. Spence's charge in their petitions against the revised rates is forcible if it be the case that the increased assessment which will be imposed on the converted dry-crop areas is due to the valuation of any thing but the existing natural advantages of water-supply utilised by the land after being so converted. Such, however, is not the case ; and although Mr. Spence questions whether the system of valuation, which has been carried out, is justifable, I am of opinion that a discussion of the point in the present instance is not called for, and that Government may feel satisfied that all due care has been taken to deal with rice land in these villages, old and new alike, strictly by the rules referred to by Mr. Disney in his 56th paragraph, and in accordance with the principles advocated by Colonel Anderson in his report on the Bankapur Taluka, and adopted with the sanction of Government on past occasions.
18. The general financial results of the proposed revised rates in the several classes are shown in the subjoined table :-


The immediate increase of revenue, which is Rs. 27,311 , is $30 \frac{1}{2}$ per cent. on the revenue now obtained.

Of the total enhancement proposed to be imposed, the main portion falls on the four groups which lie in the eastern tract, and amounts on the average to $32 \cdot 2$ per cent. In the remaining two groups in the western tract the respective enhancements are 14.6 and $11 \cdot 1$ per cent. In the case of group III the increase slightly exceeds the prescribed limit of 33 per cent. The explanation of this result, given by Mr. Disney in his 50th para., is entirely satisfactory. Mr. Fletcher concurs in the arrangement by which the 9 villages of the tract, locally known as the Kakkeri Karyat, have, by being included (as it is natural they should be) in this group, had their own maximum dry-crop rate raised from 12 annas to 18 annas, the former being, as stated by Colonel Anderson, considered-by the village people at the time of the original settlement to be extraordinarily moderate. At the same time the result has tended to increase the general enhancement in the group slightly in excess of the strict standard. In the case of the 4 villages of this group and the one village of group IV, which are named in Mr. Disney's 50th para., the individual increases in excess of the limit of 66 per cent. result chiefly from the expansion of the area under rice cultivation and its assessment on the system already referred to and described, and must under the circumstances be accepted. As already stated, the Collector of Belgaum has expressed his approval of the maximum rates proposed, and is of opinion that the general enhancement is appropriately distributed over the villages comprised in the groups, and that the relative differences in the ratesare, on the whole, suitable. He appears to be somewhat in error in understanding, (as stated by him indirectly), that the rates (it is presumed "maximum rates" are meant) of the , 5th and 6th groups have been increased. That this is not the case, will be seen from Mr. Disney's 35th paragraph, which shows that, as groups, the maximum rates of both dry-crop and rice land are the same as they were for the 5th and 6th groups of the original settlement. It may, however, be meant that in some individual villages, as now proposed to be grouped, these rates have been somewhat raised. The actual increases in these groups, which are trifling, arise entirely from adjustments of classification, which have been made with due care and discrimination; and since, as the Collector properly observes, their existing assessments are very moderate, and as, moreover, the statistics, which have been collected, indicate considerable progress in some respects, I do not hesitate to concur in Mr. Muir's conclusion, that "there is not sufficient reason" for proposing to exempt their villages from sharing to that extentin the general enhancement.
19. I respectfully ask for an early consideration of these papers by Government, so that the revised rates may be announced to the people within the current revenue year. I would recommend that the guarantee for the continuance of these rates, as sanctioned, should be given for thirty years beginning with that of the first levy, and that the concessions in respect of payments, which Government were pleased to direct to be granted in the case of the revision settle-

No. 4057 R. D., dated 25th May 1885. ment of the Sampgaon Taluka by the Government Resolution marginally quoted, may be made applicable to the villages under report.

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

A. S. BULKLEY, Acting Survey and Settlement Commissioner.

Through the Commissioner, Southern Divsion.

No. 472 of 1888.

Revente Department.<br>Poona, 22nd February 1888.

## Submitted to Government.

2. The principles adopted in the settlement of the Khánapur Taluka and 6 villages of the Mugad Petha of the Dharwar District, the history of the progress of these villages under the expiring settlement, their physical features and other statistics, have been very fully discussed in these papers, and the undersigned has little to add to them.
3. In paragraph 38 of Mr . Disney's report, it has been suggested that the decrease in the population of the fifth and sixth groups of villages is due to the prohibition of kumricultivation. Mr. Fletcher, however, in paragraphs 8 and. 9 of his letter has shown good grounds for supposing that. the decrease is not in the agricultural population. The Commissioner S. D. believes that the decrease is due to the migration of the agricultural labourers to seek more profitable employment on the railway works in progress in the vicinity of the tract in notice. But, taking it for granted that the decrease in population under notice is really due to the restrictions imposed on kumri cultivation, there is no reason to deplore the result, inasmuch as no complaints about the destitute condition of the old kumri cultivators have been received.
4. The Commissioner S. D. has carefully considered the objections raised by Mr. Spence, the Acting Collector of Dhárwár; to the new assessment of the additional rice lands, which in many cases may be considered as improvements effected by the people during the period of the existing survey settlement, and besides giving much attention to the explanation on the subject recorded in the Survey Commissioner's No. 2203 of 22nd December last, has had the advantage of personally consulting Mr. T. H. Stewart regarding the method adopted, and Mr. Propert now finds that although at first sight there might seem to be some grounds for the doubts which arose in Mr. Spence's mind, the system applied to Khánápur and the Mugad Petha of Dhárwár has in previous cases been fully sanctioned by Government, and further that the rates imposed do not in any way contravene the provisions of Section 107, \&c., of Land Revenue Code as amended by Bombay Act No. IV of 1886. The papers are, therefore, submitted with a recommendation that the new rates be in every case sanctioned.

W. H. PROPERT,<br>Commissioner, S. D.

Revenue Survey and Assessment: Introduction of Revision Survey Settlement into 224 villages of the Khánápur Táluka of the Belgaum District and into 6 villages of the same Táluka which have been transferred since the first Settlement to the Dhárwár Táluka of the Dhárwar District.

No. 2713.

## Revenue Department.

Bombay Castle, 1st May 1888.
Memorandum from the Commissioner, S. D., No: 472, dated 22nd Febraary 1888-Submit-

Letter from the Deputy Superintendent, Poona and Násik and Southern Maratha Country Revenue Surveya, No. 299, dated 12th May 1887
Letter from the Superintendent, Poona and Nasik and Bouthern Maritha Country Revenue Surveys, No. 1223, dated 24th August 1887.
Memorandum from the Coliector of Dharwar, No.3456, dated $20 t \mathrm{Octover} 1887$.
Letter from the Collector of Belgaum, No. 3403, dated 29th September 1887.
Letter from the Survey and Settlement Commisaioner ${ }_{\boldsymbol{\psi}}$ No. 2203, dated 22nd December 1887.
ting the papers noted in the margin, relating to the introduction of revision survey settlement into 224 villages of the Khánápur Táluka of the Belgaum District and 6 villages of the sume táluka which have been transferred since the first settlement to the Dhárwar Taluka of the Uhárwar District.

Memorandum from the Commissioner, S. D., No. 3769, dated 27th December 1887-Sabmitting one No. 2177 , dated 17 th idem, from the Survey and Settlement Commiesioner, who forwards with his remarks 105 petitions from the rayats of the Khánapur Taluka, complaining against the revised rates proposed for their villages.
Memorandum from the Commissioner, S. D., No. 59, dated 7th January 1888-Submitting, in continuation of his office No. 3769, dated 27th December 1887, a memorandum from the Survey and Settlement Commissioner, No. 42, dated 3rd January, on the above subject.

Resolution.-The papers now before Government mark the close of the revision survey operations in the Southern Maratha Country; their immediate subject being proposals for its introduction into 224 villages of the Khánápur Táluka of the Belgaum Collectorate, and 6 transferred since the original survey to the Dharwar Taluka of the district of that name. The original settlement was introduced into these villages at various periods between the years 1853-54 and 1858-59, so that whilst in the case of the majority the period of the 30 years' guarantee has already run out, in that of the most recently settled it expires at the close of the current year.
2. Re-measurement has been carried out upon the partial system in all the villages save one, in which the changes in boundaries were so great as to necessitate its being done de novo. The results show an area of 394,652 acres in the 230 villages combined as against 393,363 under the old survey, with an increase of 1,376 in the survey numbers into which they are divided. The gain in area however is entirely under the head of "uncrable hills, \&c.," cultivable land of . 1 ll kinds showing a falling off in extent amounting to 744 acres.
3. The taluka, which comprises the south-west portion of the Belgaum Collectorate, is of a varied character, hilly and well-wooded over a great area, but spreading out in parts into open and well-tilled plains. The rainfall is heavy and certain, and very suitable to rice, which is the staple crop-and covers more than half the cultivated area. Jowári and náchni are grown in moderate quantities for home consumption, but rice (including a preparation of the grain called - churamuri') alone forms an article of commerce and export.
4. The history of the district during the currency of the now-expiring settlement presents many features indicative of material progress and of the present prosperity of the agricultural population. Thirty years ago roads were unknown, while to-day in addition to the railway there are three provincial roads in the talluka open for cart traffic at all seasons, besides several constructed from Local Funds, and passable for vehicles at any rate daring the fair season. As a natural consequence the supply of carts has increased by over 200 per cent.

Other statistios furnished are of an equally satisfactory nature: cattle used, for agricultural purposes have increased in number by 42.6 per cent. and sheep and goats to a smaller though appreciable extent: while in spite of the ravages of fever, which have apparently done much to throw it back in one portion of the taluka, population has on the whole steadily advanced, together with the number of houses, and extent of occupied land. The decrease in the numbers of non-agricultural cattle, horses, and ponies would seem to be due to the disuse of pack animals consequent upon the introduction of carts, and is only what was under the circumstances to have been expected. But undoubtedly the most noticeable feature in the annals of the táluka, and that most likely to influence its future condition, is the opening of the Poona-Londa and Bellary-Marmagao sections of the Southern Marátha Railway, which traverse it for 18 and 21 miles respectively, the latter 'branch more particularly giving an easy outlet for trade upon the coast 84 miles distant. What will be the exact effects upon the agricultural conditions of the district of the construction of the railway it is perhaps premature to predict, hut it may safely be assumed that by reducing the cost of carriage and facilitating the distribution of produce, and perhaps also by giving a stimulus to new forms of agricultural enterprise, it will tend to increase the profits of cultivation.
5. It is proposed to maintain the already existing six-fold grouping of the villages, mainly upon the old lines, though with some changes in the grouping of a few in the south-east portion of the táluka. To these changes no objections are offered by any of the officers consulted, and they are approved. No change in the maximum rates of the two lowest groups is now suggested, but in the other four it is proposed to raise the maximum rates for dry-crops" while leaving undisturbed those for rice-land, as shown in the subjoined table:-


The estimated results from the proposed rates are as follows :-

|  |  | Number of Villages. | By formbr Sutuver. |  | By Rrvialon Survey. |  |  |  | Increase per cem <br> * |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Government occupied land. | Government occupied land. |  | Government unoccupied land. |  |  |
|  |  | Aores.' | Assessment. | Acres. | Assesament. | Acres. | Assessment. |  |
|  |  |  |  |  | Rs. |  | Rs. |  | R. |  |
| Group 1 |  |  | 18 | 12,666 | 20,009 | 12,763 | 25,932 | 401 | 195 |  |
| Do. 2 | ... | 21 | 10,187 | 13,918 | 10,284 | 18,235 | 225 | 81 | 31.0 |
| Do. 3 | ..: | 58 | 44,697 | 33,554 | 45,472 | 46,085 | 3,470 | 1,570 | 47.3 |
| Do. 4 | $\ldots$ | 55 | 16,456 | 13,666 | 16,691 | 16,998 | 7,237 | 2,639 | $24 \cdot 4$ |
| Do. 5 | ... | 64 | 14,062 | 7,760 | 14,146 | 8,891 | 16,373 | 4,118 | $14 \cdot 6$ |
| Do. 6 |  | 14 | 5,561 | 695 | 5,875 | 772 | 2,180 | 438 | 11.1 |
|  |  | 230 | 103,629 | 89,602 | 105,231 | 1,16,913 | 29,886 | 9,041 | 30.5 |

6. The total increase of assessment upon occupied land will, if the proposed rats. be sanctioned, amount to Rs. 27,311, or an average of 30.5 per cent. upon the present annual payments. This percentage of increase is somewhat bigher than those sanctioned in 1885 and 1887 for the adjoining talukas of Sampgaon and Belgaum, which were 27.9 and 24.2 respectively. "On the other hand it is considerably less than that imposed in 1879 at the revision survey. of the adjoining Dhárwar Taluka, to which 6 of the villages now under consideration belong. The percentage in this case was as high as $39 \cdot 8$, or 9 more than the increase now proposed. Moreover, the lightiness of the existing assessment is attested by the trifling amount of the remissions which have been granted during the currency of the settlement, and the ease with which the annual collections have been made, distraint having only in 4 cases been resorted to during the $\overline{3}$ years for which full statistics are given. © A reference too to the course of the prices of the staple grains during the lăst 30 years shows an ivcrease of $63 \cdot 6,42 \cdot 1$ and $39 \cdot 1$ per cent., respectively, in the money value of rice, jowari and náchni, a fact which would of itself justify an enhancement of the Government demands. That now proposed has the concurrence of the revenue officers in charge of the districts concerned, and is within the prescribed limit of 33 per cent., and His Excellency in Council has no hesitation in according it his complete approval and sanction. In the case of only one group is the maximum percentage above quoted exceeded, and in it the reasons given at paragraph 50 of Mr. Disney's report seem sufficient to justify the sontewhat large increase of assessment. In fye villages the limit of a 66 per cent. enhancement has been exceeded : fou of these belong to the group just referred to, while in the fifth the excess amounts ta, only 3.2 per cent. The increase is in all five carses due to the assessment for the first time of the water-advantages of land.
7. It is to be noted that R.s. 20,654 of the total increase of Rs. 27,311 in the revenue is obtained from the re-valuation of the water advantages of land. This fact calls forth some criticism adverse to the proposals now before Government on the part of the Acting Collector of Dhárwar, who seems to regard this re-valuation in the case of land newly prepared for rice cultivation as often likely to include a tax upon improvements, and to be therefore contrary to the policy of Government which has been legally binding since the passing of Act I of 1865. But'Mr. Spence's remarks seem to be based partly upon wrong data, partly upon an imperfect appreciation of the system pursued, which is fully discussed in paragraphs 54 to 60 of Mr. Disney's \&eport, and which bas been followed in previous revision surveys with the full concurrence of His Excellency in Council, and partly upon a misapprehension of the principles which do not require that advantages which raise the rental value of land should remain untaxed unless they are "due in some way to the State." In the settlement now proposed there does not appear to have been any deviation from the principle that the assessment of newly created rice-lands is only to be enhanced when it appears that it was fixed at the original surves without sufficient allowance for their natural water-advantages.
8. As a result of the notifications publisfed in accordance with Government Resolution No. 7447 of 21st October 1886, 105 petitions have been presented by inhabitants of the villages ander report. They have been forwarded together with reports from the District and Survey Officers, and disclose objections to the new rates based partly upon a general and natural opposition to all enhancement, and partly upon misapprehensions as to their incidence in particulareases; the baseless nature of many being evidenced by the fact of their having been presented from villages in which decreases of assessment are now proposed. Only one petition seems to call for special remark, that presented by an inhabitant of Khánápur, and entered ati III, 4 in the précis of petitions submitteḍ, concerning whose case it appears from the report of the Acting Survey Oommissioner that further consideration is necessary, which should bot given, and the result duly reported to Government.
9. The proposed rates are therefore sanctioned, and should be introduced during the current jear, with a guarantee of their continuance for 30 years from the ensuing year, in which they will first be levied, except. in the case of the 6 villages now included in the Mugud Petha in which the settliment is guaranteed

## 97

until the year 1908-9 so as to expire concurrently with that of the other villages in that sub-division. The date up to which notices of relinquishment of laid may be: accepted should be extended to the 30th of June. Mr. Disney further proposes, and in his proposal the Acting Survey Commissioner concurs, that the orders passed as to the temporary remission of exthancements in excess of 25 per cent. in Government Resolution ${ }^{\text {N }}$. 4057 of 20th May 1885, sanctioning revised rates for the Sampgaon Taluka of Belgaum, should be made applicable to the present case. Those orders were based upon a consideration of the hardships which might atise to holders in certain villages in which the assessment had been considerably raised, and as ip the present instance similar'claims to indulgence seem to exist, the proposal is accepted.

E. LAWRENCE,<br>Acting Under Secretary to Government.

## To

The Commissioner, S. D.,
The Survey and Settlement Commissioner, With an intimation that the The Collector of Belgaum,
The Collector of Dhärwár,
The Accountant General,
The Director of Land Reeords and Agriculture,
The Public Works Department of the Secretariat, papers are being printed inathe form of a Selection from the Records of Gor:ernment, and that when it is ready the usual number of copies of it will be for warded to them.
$\left.\begin{array}{l}\text { The Government of India, } \\ \text { The Secretary of State for India. }\end{array}\right\}$ By letter.
Notr.-Copies of the Selection will be forwarded direct to the Superintendent, Poona and Nasik and Southern Maratha Country Revenne Surveys.


[^0]:     and 16.

[^1]:    Treatment of rice land.
    Mr. Disney's paragraphs 51 to 61.

