SELECTIONS FROM THE RECORDS OF THE BOMBAY GOVERNMENT.
No. CCXVI. - New Series.


PAP.ERS

RBLATING TO THE
REVISION SURVEY SETTLEMENT OF 102 DANGI VILLAGES

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## AHMEDNAGAR COLLECTORATE.

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[Price-10 Annss.]

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1888

INDEX TO THE CORRESPONDENCE ON THE REVISION SURVEY SETTLEMENT OF 102 GOVERNMENT VILLAGES FORMING THE DANGI OR HILLY PORTION OF THE AKOLA TA'LUKA OF THE aHMEDNAGAR COLLECTORATE.


From

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

To
Tha COLLECTOR of AHMEDNAGAR.
Survey Superintendent's Office, Camp Pusegaon, 21st April 1887.

Sir,
I have the honour to submit proposals for the revision settlement of the 102 Government villages of Akola which

No. 115 of 24th Jenuary 1886,
Government Selection No. CLXXXIV and No. 290 of 12th March 1887.
form the Dángi or hilly portion of the táluka, and beg to refer you to my reports noted in the margin, which deal with the settlement of the remaining 51 Government villages.
2. The 102 villages treated of in this report were originally settled in the years and under the authority given below :-

3. The original settlement report by Mr. Fraser Tytler, which has been printed as an accompaniment to these papers,
Review of the former Settlement. gives full information as to the nature of that settlement, and shows that it may rightly be regarded as a progressive and preparatory one, intended to pave the way for the more exact system which has now been introduced. When Mr. Tytler commenced opera-

Paras. 5-16. tions he found 4 different systems of assessment in force, each of which was worse than the other, and which were alike only in that irregularity and uncertainty pervaded them all,

1. Bighanni:

## 3. Nakt Chal <br> 4. Dalhi.

 and in all of them the Kulkarni was supreme. The whole tendency of this mixed system was to hamper and check industry.4. Any attempt to put an end to this anarchical state of revenue affairs at one coup, and substitute for it a revenue system which should be complete in all its branches, must obviously have failed ; and it was Mr. Tytler's aim to introduce a rough and inexpensive system, containing the germs of order and completeness, which should by gradual development
Para. 19. prepare the ground for a complete Survey and Settlement.
5. All superior soils, rice, dry-crop, or garden, were at once measured, Para. 17. demarcated and assessed ; of the rest, i. e., the mál and hill lands, portions roughly defined were assessed в 1293-1
in the lump, and given out on 5 years' leases, each cultivator paying for his portion a proportionate share of the lump assessment. Even this very partial measure of settlement was not, it appears, found practicable to a like extent in all villages; it is explained that only in the most easterly tract was it fully

Parn. 32 carried out, the rice, garden and a great portion of
the jirait being there all measured into fields, and the remainder leased : in the middle portion of the district the rice alone was measured and none of the jirait, this latter being partially given out on leases ; in the most remote and western villages it appears no separate leases of the mal lands were given, but the rice lands merely measured and assessed.
6. The method of measurement had to be adapted to the agency at Mr. Tytler's disposal, viz, the Kárkúns of the Mámlatdár's establishment and the Village Kulkarnis,-and though each village boundary was fixed by Theodo-

Method of Measurement, paragraph 20 and following. lite under the direction of a competent engineer, and thus the accuracy of the lump area sufficiently secured, it is evident that the internal measurements were merely approximate, and no large amount of accurate test was taken.

## 7. All the actually measured fields were classed by the same Karkúns as

Old Classification, para 36 and following. were employed on the measurement, but 10 per cent. of all classification was tested by European agency. Nine classes were made of dry-crop land ranging from 18 annas to 4 annas in assessment, and the rice land was ranged in 8 classes, the assessment of which varied from Rs. 2-8-0 in the highest to Re. 0-12-0 in the lowest class.
8. These rates, on the sanction of Government being obtained, were guaranteed for 30 years and applied, it will be understood, only to the land which had at this time been measured into fields and demarcated. The remainder lands were considerad as mál and treated under a system of leases which were to
> - A translation of the old form of lease will be found among the old correspondence printed with this report. crop land should be me be revised every five years.* Subsequently, however, when, in 1855, Government ordered the work of revising these leases to be taken up, enjoining at the same time that all newly developed rice land and drypracticable to extend measurement and classification so as to include the whole of the lands bitherto not so dealt with, and the leasing system was entirely superseded.
9. The classification of these mal lands subsequently measured, was done noder similar rules to those used in assessing the dry-crop lands which had first been measured up, the range of values on the poorest soils being considerably higher than the scale now in use. The rules will be found printed, together with the old correspondence, among the accompaniments to the settlement

> Report by Colonel Taverner, Saperintendent, Revenue Survey, on 22 villages of Dindori, No. 893 of 15 th October 1875, and Government Selection CLXVIII on Revised Seitlement of Igatpari.

[^0]reports noted in the margin, where the merits of the old classification are fully discussed. The rates of assessment fixed by these final operations of Mr. Tytler's Dang survey were sanctioned by Government and guaranteed for a term of years to expire simultaneously with the 30 years' lease, which had been granted in the case of the lands first measured.
10. There can be no doubt that the measures which have been reviewed above were admirably suited to the circumstances to which they were applied. They have paved the way most efficiently for the introduction of the regular survey system, which can now be brought in without risk of failure.
11. The imperfect nature of the old work convinced Government of the necessity of carrying out an entire re-measurement and re-classification as the basis of the revised settle-
ment. In the course of these operations which have placed the revenue record of this tract in all ways on a par with present require-
Survey Nos. 19,426.
Pot Nos. 5,984. ments, 29,248 old numbers have become 25,410 new survey numbers and pot numbers.
12. It is unusual to find the total number of fields decreased by revision survey, and the explanation in this case is that every minute portion of low-lying land which seemed likely ever to be made into rice was entered in the old record as a separate 'chak' number, but from not being demarcated or correctly shown on the map, very many of these cannot now be traced at all, while many more, being held by the same cultivator who holds the surrounding mál land, have now been included in his survey number. Another cause which has reduced the number of new survey numbers is that 975 old numbers have been included in large forest numbers at Revision Survey.
13. The differences in area found in individual fields, between the old Differanoss in measure- measurement and the revised survey record, are shown ment. in the subjoined table :-

| $\begin{aligned} & \text { Number } \\ & \text { Villages. } \end{aligned}$ | Serial old Number. | Difyrrrgor withit |  |  |  |  |  |  | $\begin{gathered} \text { Gone } \\ \text { into } \\ \text { Farest. } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 5 par cent. | $\begin{aligned} & 6 \text { to } 10 \\ & \text { per cent. } \end{aligned}$ | $\begin{aligned} & 11 \text { to } 15 \\ & \text { per cent. } \end{aligned}$ | 16 to 20 per cent. | 21 to 25 per cant. | 26 to 30 per cent | $\begin{aligned} & \text { Over } 30 \\ & \text { per cent. } \end{aligned}$ |  |
| 102 | 29,248 | 5,801 | 3,408 | 2,670 | 2,341 | 1,968 | 1,526 | 10,559 | 975 |

The differences found therefore were very great in a large proportion of cases, for in 56 per cent. of the total old numbers the area differed by more than 15 per cent. The apparent causes for the larger differences are tabulated below :-


The system of measurement employed at original survey was very rough, and the ground in this district is hilly and difficult, added to which is the fact that the old demarcation was not always kept up with care; it was to be expected therefore that large discrepancies would appear on a regular survey being introduced.
14. The re-classification which has been entire, as stated above, has been Re-classification. done in the usual manner; the scale used* being the

| Clases, |  | Value. | Clase. |  | Value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | ... |  | 6 | ... |  |
| ${ }_{8}^{2}$ | ... | ... 14 |  | ... | ... 4 |
| 4 |  | … 10 | 9 | $\cdots$ | ... ${ }^{3}$ |
| 5 | ... | ... 8 | 10 | ... |  | same which has been applied in all recent revisions, viz., the Joint Report valuation scale with the addition of a 10th class. The rice classification has been done under the system originated in the Southern Marátha Country and adopted in this survey since the last 9 or 10 years.

15. The area obtained by the revision survey is given below under heads of cultivation, contrasted with the figures of the old record :-

|  | Description. |  |  | By Old <br> Record. | By Revision <br> Survey. | Differance. |
| :--- | :--- | :--- | :--- | ---: | ---: | ---: |

The difference on the lump area is inconsiderable, and amounts to something more than 1 per cent. This was to be anticipated from what has been said above, but it is evident that the waste lands have been largely encroached on, while the rice area has increased by upwards of 80 per cent. and more than 11,000 acres have been added to the dry-crop head. It must be borne in mind however. that the internal measurements of the old survey were not very accurate, and these figures therefore cannot be considered more than approximate.
16. The tract of country comprised in the villages under report is irregular
 in shape; its southern border, along which is its greatest length, is marked for some 18 miles by the edge of the Gháts overlooking the Thána District, and then follows for about an equal distance the spur of hills, which begin from the old mountain fastness of Harischandragad, and run eastwards along the border of the Nagar and Poona Collectorates; to the west and north the boundary is also formed by a range of hills, or rather a precipitous descent, beneath which lies the Igatpuri Táluka of Násik; to the west are the Deshi villages of this same táluka which were brought under revision settlement last year. In general aspect the country is bleak and bare, but so broken up by valleys and ravines and hills that one loses sight of the fact that it forms one lofty plateau, and with difficulty recognises its main features. It is divided into three principal valleys which trend from north-west to south-east; the southernmost valley is drained by the Mula, the central one by the Pravara, and the northernmost by the Ardhala. Each river flows in a deep ravine far below the general surface of the neighbouring country, which thus derives no benefit from its waters. The central valley is the most open in conformation and advanced in progress ; the southern is most rugged and inaccessible; the northern appears to have the greatest general altitude and contains the fewest villages.

## 17. The soil varies very little in kind, though its fertility differs with.its

 Soils. depth ; it is usually of a light color (reddish or yellow) and yields with a good rainfall very good crops of the hill grains usually here grown. The rice soil is not often good, and is seldom or never found with a really good supply of water.18. The climate is on the whole, no doubt, much moister than that of the Climate. villages immediately to the east which were settled last year, but is dry for a tract which lies on the crest of the Gháts, and I am inclined to think must now have a less heavy rainfall than when the original settlement was introduced. From Mr. Tytler's d $6-$ scription of the country it would appear at that time to have been clothed with forest and scrub jungle; it is now quite bare except for the few forest reserves, and such a change can hardly have been unaccompanied by a decrease in the ${ }^{\text {e }}$ rainfall. There is no place in the tract where a rain-guage is kept, but at Akola

The average fall ${ }^{*}$ for the last ten years has been $22 \cdot 8$, while at Igatpuri, which ad-

- Vida Appendix A. joins on the west, the average for the same period has been 131:6 inches. It is probable that the valley of the Mula, which is narrower and walled in with loftier hills than the others, has a heavier rainfall than the rest of the taluka.

19. The following précis of Appendix B. which is compiled in average of the' Crops, Appendix B. last 5 years from the village records, shows the proportionate areas covered by the different crops raised :-


The early harvest almost monopolises the whole produce, but the second crops grown in rice land after the rice is harvested find no place in this return ; they amount perhaps in proportion to about 1.5 and consist of wheat, watána, \&c. Of the cereals rice and wheat are the most valuable though their area is not large, they are grown chiefly for export, as also to a less extent is bajri ; náchni and sawa are the food grains locally consumed. Gram is the only pulse exported, the remainder are grown for food. The staple produce of the country however, is the oil-seed khorasni, which grows luxuriantly in the climate and soil here found, and covers, it will be seen, nearly 17 per cent. of the total cultivable area; it is largely exported.
20. The villages in the valley of the Pravara are best off in the matter of

Commanications. communications, being traversed by the made-road which runs from Ghoti Station, on the Bombay and Calcutta main line of railway, to the Dhond and Manmád loop line, and thus serves as a feeder to each. The Bari Ghat by which this road descends into the Igatpuri valley is well engineered, and Rajur, the chief market of the tract under report and most eastern of the villages under report in the valley of the Pravara, is by this route within 32 miles of the railway. The only other maderoad in the tract under discussion is that which connects Kotul and the villages on its plateau with Akola; this is a local fund road and is kept in fair order. Another road, not yet completed but still under construction, is being made to open up communication between the Mula and Pravara valleys, and thus furnish the former with an outlet to the railway. This road runs due north from Ambit at the foot of Harischandragad and joins the Ghoti main road at Málegaon. Except where roads have been made the country is difficult for wheels, and away from the made-roads produce is chiefly carried by pack bullocks. There is a bullock track leading down into the Konkan from Ghatghar, at the head of the Pravara valley, which is much used; and another in the northern corner of the táluka gives access to the Igatpuri valley.

8 1292-2
21. The produce of the country, however, is chiefly collected by itinerant

Markets and Trade. traders, who have their head-quarters at Rájur and Kotul and visit the villages with strings of bullocks soon after harvest. Khorasni is the principal product; it is most usually exported in the seed, though the oil is locally expressed in some cases. There are 21 oil-presses of the usual rude description in the villages under report. The hirda or myrobalam is largely exported; Mr. Turnbull, who spent last fair season in the district, states that the produce of Government trees realised in that year Rs. 20,000 , and he estimates that double that amount may be set down as the value of the yield from trees in occupied land. These figures refer to the whole táluka, but as a matter of fact almost the whole of the trees must grow in the villages now under report.
22. The statistics of the 102 villages included in the present proposals are summarised below. The figures for the year of settlement are taken from the old survey record, and those for 1885-86 have been furnished by the Collector's Department as the result of a special census, taken last July :-

23. Population is increased by 52.4 per cent. and now represents a density of 97 to the square mile, which is still sparse for a district with so many natural advantages. Of the total area however 38 per cent. is hill, or forest, \&c., not available for occupation, and the remainder gives Population Total area of the 102 villages $=374$ square miles. available for occupa
per head of population. a proportion of 4 acres per head of population.
24. Houses show on the whole a slightly higher rate of increase than Honses. population, and the greater proportion of the better description that have come into existence indicates an improvement in the standard of comfort.
25. Agricultural cattle are found to have remained nearly stationary in Cattile. numbers, and indeed show a small decrease. It is evident, however, that as they are in proportion of one pair to every 17 acres of cultivated area the number keptis amply sufficient.
 The Akola Dang country with its moist climate, and great expanse of poor hilly lands that if tilled yield only the coarser grains, is by nature well fitted for grazing, and accordingly we find that breeding cattle have here largely increased (by 18.8 per cent.) ; a fact which supplies the com-
ings found everywhere to exist in talukas plement to the opposite state of things found everywhere to exist in tálukas
better suited for cultivation.
26. Sheep and goats which were never numerous enough to be important

Sheep and goats. and which do not thrive in a moist climate have decreased.
27. Carts have risen in number from 111 to 315 and are numerous in the Carta. villages of the Pravara valley where they ply for hire on the made-road to the railway: in the remainder of
the villages they are as might be expected very scarce. Horses and ponies are not Horses and ponies. numerous but stand at about the same number as before settlement.
28. Wells and budkis (the latter are but 6 in number) are now 309 against Wells and Budkis. 107, at the time of settlement; but of the whole present number only 39 are used for irrigation, 163 are for drinking, and 101 are out of repair. The old record does not distinguish between different classes of wells, but, it is needless to observe that a tract where rainfall is certain and soil uniformly poor, is not one where wells would ever be much used for irrigation.
29. In the subjoined tables the same figures which have above been commented on as a whole, are re-compiled under heads of the groups of villages for which, later in this report, separate rates of assessment will be proposed. The groups will be readily distinguished on reference to the accompanying map :-


These figures show that the material progress attained during the last 30 years has been shared by the whole of the district. It is in the four last groups, however, which at the time of the old settlement were chiefly uncultivated waste and overgrown with jungle, that progress has been most rapid, and this of course was to be expected. In all the groups the improvement in the description of dwellings is clearly seen. The increase or decrease in working cattle appears at first sight uneven in the different localities, but the proportion borne by the number to the area cultivated is amply sufficient in all. In the first and second groups, where some of the traders of Rajur and Kotul keep considerable
strings of pack-bullocks, the proportion is abnormally high, but elsewhere it does not differ very much.
30. The figures for Government schools given in Appendix H. are obtained Education. Appondix $H$ from the Educational Department : from enquiries made by the classing establishment it would appear there are no private schools in the villages under report.

There are 10 Government schools for boys, with an average attendance of 381, and 24 girls attend at the girls' school. The proportion of the male population able to read is 3 per cent. (vide Appendix D.) including the 2 per cent. under instruction; the smallness of these proportions is easily explained by the wild character of the tract under report.
31. In Appendix I. will be found the usual information on the subject of

Sub-tenures Appendix I. sub-tenures. Of the total number of fields 76 per cent. are cultivated by the Khátedars themselves, and 4.6 per cent. more by the Khátedárs in partnership with others. Three per cent. of the whole are sublet for money rents and 6 per cent. for rents paid in kind. Nine and a half per cent. are waste or not available for cultivation.
32. The three appendices mentioned in the margin are an abstract of the

## Valne of Land.

Appendices K., L. and M. sub-registrar's records for the last 3 years; all transactions which referred to other property than land have been carefully eliminated. The 209 cases of mortgage show a high range of value, but there is nothing special to note regarding them; the same remark applies to the 142 instances recorded of sales of land. Leases are comparatively few in number (49) and show a tendency to long periods, which is no doubt partly explained by the practice common in ghat districts of cultivating a three or four year rotation of crops followed by a fallow.
33. The course of prices in the Akola Táluka, and in the tálukás adjoinPrices. ing, is shown in Appendix N. for each year since the settlement, and with a few exceptions for the 10 years previous. The figures have been furnished by the Mamlatdárs and are for the most part the same as those submitted with the report on the Igatpuri Revision Settlement. The actual accuracy of the figures obtainable on this subject has never been asserted, but there is no reason to doubt their usefulness in ascertaining the general course of prices over a given period of years, though if the returns of one taluka are compared closely with those of another for each year differences are apparent. In the present tables it will be seen that there is an approximate agreement between the average prices of grains over considerable

- Akola, Sinnar, Sangamnor. periods in $3^{*}$ out of the four markets entered, and the inference must be that the figures of these three are probably more trustworthy than those of the fourth, viz. Igatpuri. In the subjoined table are given the average prices in the Akola Market of four grains, for 10 years before the introduction of the settlement and for 3 periods which together embrace the duration of the lease. Nágli is the main food-grain of the district, and I have, therefore, entered it here though the record of it for some years is wanting. Bajri is partly consumed and partly exported, but wheat and rice are raised chiefly for sale :-

| Period. | Iy serza ar 80 Tolab pir Rupiz. |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Nagli. | Bujni. | Wheat. | Cleaned Rice. |
|  | $\begin{aligned} & 581 \\ & 49 \end{aligned}$ | $\begin{aligned} & 41 \frac{1}{4} \\ & 28 \frac{4}{4} \end{aligned}$ | $34 t$$25!$ | 20 |
| Ten years before Settlement from 1838-39 to 1847-48 |  |  |  |  |
| First 10 years of the lease from 1848-49 to 1857-58. |  |  |  |  |
| Second 10 years of the lease from $1858-59$ to <br> 1867-68 $\ldots$...... | 223 | 151 | $11 \%$ | 98 |
| Concluding 18 years of the lease from 1868-69 to 1885-86 | 254 | 18 | 144 | 98 |

The second 10 years of the lease, which contain the period of the American War, show a higher average range of prices than the last 18 years, but the average of the latter is still more than 60 per cent. in advance of the average prices of the first 10 years after settlement, a period during which, as we shall presently see, the area of cultivation nearly doubled itself. There can be no danger in accepting the inference that the margin of profit has very largely extended since the present rates of assessment were settled.
34. The revenue history of the 97 villages which belong to the old Dang

Revenue History. Ap-
pendices 0 . and $P$. settlement, and that of the 5 villages which belonged originally to the Junnar Táluka, are shown in separate appendices. In the Dangi villages, as has been already explained, the settlement at first embraced only the rice land and the superior soil of other descriptions; and until the remaining lands were brought under survey, some 11 years later, the record does not fully show the increase in cultivated area that was going on. During the first period the cultivated area of measured land rose from 44,900 acres and 18,026 rupees to 52,199 acres and 19,466 rupees of revenue. In 1860-61* when the mál land, till then held on lease and unmeasured, has been brought on to the record of Government occupied land, the total area is at once further raised by 52 per cent. and the revenue by some 35 per cent.* From this point progress continued rapidly but steadily until 1872-73, whence for the next 10 years we find an unimportant decline with slight fluctuaions, but from 1882-83 the revenue has risen steadily and in the final year of the table (1885-86), has reached the highest figure yet attained. The history from a revenue point of view of the five villages which belonged formerly to the Junnar Táluka is more simple. In the year of settlement the occupied and unoccupied areas were nearly equal, viz., 2,963 and 2,905 acres respectively, and a gradual transfer from the latter to the former head went on until $1876-77$, since which year the figures have remained steady at 6,073 acres occupied and 1 acre unoccupied.
35. Temporary remissions appear against the years 1853-54, and 1882-83, in the latter case being specially granted on account of damage by locusts. In the 97 Dangi villages the figures in the remission columns opposite the year of the mal settlement, 1859-60, merely indicate that the excess of the new over the old assessment was not levied in the first year. On the whole it will be seen that remissions have been quite unimportant, and outstandings unknown ever since the existing settlement was introduced.
36. From the information given in the subjoined form, furnished by the

Pressure in collection of revenue.

Mámlatdar, it appears that the revenue has been collected with ease, though last year 12 cases of distraint are reported :-

| Yar. |  |  |  |  | No. of vilages. | $\underset{\text { No. of }}{\text { Notices. }}$ | No. of Cases in which distraint , was resorted |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1883-84 | ... | ... | ... | ... | 68 | 1,168 | $\cdots$ |
| 1884-85 | ... | ... | ... | $\ldots$ | 53 | 528 | ...... |
| 1885-86 | ... | ... | ... | ... | 53 | 456 | 12 |

37. The prosperity of the district and its great progress during the course Summary. of the settlement now to be revised, cannot, I think, information above submitted. The increase in population, which has been great,

[^1]has been attended by a great extension of cultivation, by an increase of material wealth, and by indications of an improvement in the standard of comfort, while the increased revenue has been regularly and easily collected. All this has been the natural outcome of improved local communications and the approach of the railway, which have enabled the tract under report to share in the great general advance made by the whole country during the last 30 or 40 years. Government therefore, in revising the settlement, may well impose a moderate increase of assessment, and with that object the following proposals are submitted.
38. In the old Dángi settlement all the villages were treated alike and brought under similar rates; the process of bringing

Distribation of the old assessment. the whole of the lands of the district under those rates was gradual and was not completed for several years, but the rates of assessment were the same proportionately in the first as in the last villages, and no attempt appears to have been made to take into account the relative advantages of position possessed by different villages. Considering indeed the general absence of all roads, the great similarity of climate and the elementary stage in which the whole tract then was, any graduating of rates on such grounds was not called for.

The maximum dry-crop rate was fixed alike in all at Rs. 1-2-0. The five villages once belonging to the Junnar Taluka were settled by the method at that time practiced by the Poona survey, under maximum dry-crop rates of Re. 1-0-0 and Re. 0-12-0.
39. The revised rates of assessment sanctioned last year for the eastern portion of the taluka give a clue to the rates which will be suitable on that side, while Igatpuri which was settled two years since adjoins on the west, and Junnar Taluka, also lately settled, touches the southern border of the tract now to be dealt with. The maximum rates in force in all the adjoining talukás are noted in the map; the groups of villages settled last year in this taluka are shown fully coloured, while the boundaries only are colored of the groups now proposed. These latter are as follows:-

## GROUP I.-One Vimage (Rajur), Maximom Dry-crop Rate Rs. 1-14-0.

This village, which is the principal market in the district, lies immediately

Bordered with yellow ochre on the map. to the west of the group for which Re. 2 maximum was last year sanctioned. Its climate is somewhat moister and its lands are more hilly, but these drawbacks are partly counterbalanced by its advantages as a market town situated on a made-road. The maximum rate proposed for it is the same as was sanctioned last year for the villages in the valley of the Ardhala in the north of the taluka.

## GROUP II.-Six Villages-Maximum Drf-crop Rate Rs. 1-10-0.

This group consists of the market town of Kotal and the villages which lie between it and Akola. These villages are situated on a plateau which borders on the Dáng country, but have immediate access to the plain of Akola by the made-road which connects Kotul with that place. The climate is moister here than in the plain, but admits of more valuable produce being grown than is possible farther west.

## GROUP III.-Six Villages-Maximum Dry-crop Rate Rs. 1-8-0.

Four of these villages lie east of and have the same climate as the last
Bordered with light green group, but are worse off for communications. The on the map. other two lie north of Rajur, and share its climate; these have direct access to the Akola plain through the gorge of the Pravara. The whole six villages adjoin others which were settled last year under the maximum rate now proposed.

GROUP IV.-Twenty-one Villages-Maximem Dry-crof Rs. 1-6-0.
The main portion of this group embraces most of the villages in the valley

Bordered with brown on the map. of the Pravara, and extends along both sides of the made-road from the western border of the talluka as far east as Rájur (which, however, lies on a lower level
and nearer the plain). This part is as well furnished with means of communication as any in this year's settlement. The western villages which are on the crest of the ghat have a very moist climate, but are compensated for it by being nearest to the railway, and thus come suitably under the same maximum rate as the more eastern villages which lie further off with a somewhat better climate. Under this same maximum rate are included 3 villages which adjoin Kotul on the west, and have much the same climate as the second group, but worse communications.

## GROUP V.-Five Village:s-Maximum Drt-crop Rate Rs. 1-4-0.

This group is to the south of Kotul, and adjoins the villages for which a maximum of Rs. 1-4-0 was sanctioned last year. In climate it much resembles the second group, but means of communication are very bad and carts cannot be used.

## GROUP VI.-Thirty-seven Villages-Maxmom Dry-crop Rate Rs. 1-2-0.

This group is made up of two divisions, lying north and south of the 4th group, the climate of which they may be said generally

Bordered with vermilion on the map. to share. The southern villages, which are rather more cramped, and perhaps get somewhat hearier rainfall than the remainder, have the advantage of the newly made Local Fund road, and can thus get their produce removed by cart to the railway. In the same way the northernmost villages of the northern division of this group are compensated for their greater distance from the made-road, by occupying a rather more open country than the southern villages, and possessing a separate route of exit to the north by a rough cart track into the Sinnar Táluka.

## GROUP VII,-Twenty-six Villages-Maximum Dry-crop Rate Re. 1-0-0.

This group includes the rough remote country which lies round the sources

> Bordered with indigo in the map. of the Pravara and the Mula, and overhangs the in these villages tort of the Harischandragad mountain is also included Junnar Taluka. The climate it need hardly be said is excessively moist, and cart tracks are almost unknown. The Junnar villages which adjoin have most of them been settled on the same maximum, viz. Re. 1, now proposed for this group.
40. For old rice land the maximum rates proposed are Rs. 8 in the first three of the above groups, Rs. 7 in the 4th, 5 th and Treatment of rice old and new. 6th groups, and Rs. 6 in the last. It is impossible to compare the old and new maxima for rice land, as the old maximum indicates the rate put on the best rice land then found in the district, while the new is what would be applied to the best possible combination of soil and water-supply if found; as a matter of fact there is no rice land in the villages now in question possessing the advantages which would be assessed at the actual maximum rates just quoted. The new rice land has been assessed in all cases within the ordinary maximum dry-crop rate, and thus treated in the same way as in the villages settled last year.
41. The total area of rice recorded by the old survey was 4,237 acres. Of this area 3,829 acres were Government land and assessed at Rs. 5,822 or an average of Rs. 1-8-4 per acre: by the revision survey these are found to be in all 7,666 acres of rice land of which7,118acres belong to Government and will, under the proposed rates, pay Rs. 11,493 or an average rate of Rs. 1-9-10 per acre.
42. The total area recorded as garden by the old survey was 205 acres, all Government land, which paid Rs. 525 , or an average assessment of Rs, 2-9-0 per acre. By revision survey there are 556 acres, of which the Government area is 512 acres. Of this again 102 acres are Motastal and will pay under the proposed rates Rs. 150 or

Rs. 1-7-6 per acre; the remaining area, 402 acres, is Patasthal and will pay an average rate of Rs. 2-6-5 per acre, or Rs. 966 in all. The streams from which the paths are drawn for this irrigation are not perennial, and are useful only for raising inferior kinds of garden produce. The orders of Government have been closely adhered to in assessing the well garden land; no addition on account of irrigation has been made to the assessment of lands watered by wells sunk since the commencement of the lease, and land under wells previously constructed has been assessed within the maximum dry-crop rate.

> Estimated result of proposed rates.
43. The following table which is a précis of Appendix Q. gives the estimated results of the rates of assessment above explained :-

| Class. | Maximam Dry-arop rate. | $\begin{gathered} \text { Number } \\ \text { of } \\ \text { vilages. } \end{gathered}$ | By Porume Survey. |  | By Rnvibion Survet. |  |  |  |  |  | Percontage In arcaso. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Government occupied Land. |  | Government occupled Land. |  | Oovernment naoccupled Land. |  | Total. |  |  |
|  | Rs. a, p. |  | Acres. | Rs, | A0res, | Ra. | Acree. | re. | Acres. | Re. |  |
| 1 | 1140 | 1 | 2,051 | 878 | 2,555 | 1,861 | 110 | 89 | 2,085 | 1,380 | 62.7 |
| 2 | 1100 | 6 | 0,579 | 4,718 | 10,086 | 5,697 | 2,607 | 662 | 18,831 | 8,839 | 20.5 |
| B | 180 | 6 | 6,700 | 2,564 | 6,208 | 2,505 | 1,526 | 825 | 7,782 | 2,930 | 1.8 |
| 4 | 180 | 21 | 26,072 | 7,798 | 80,887 | 10,402 | 729 | 158 | 87,880 | 10,660 | 88.4 |
| 5 | 1.0 | 5 | 5,219 | 1,400 | 6,119 | 1,825 | 1,247 | 241 | 7,368 | 2,068 | 80.4 |
| 6 | 120 | 87 | 52,, 888 | 14,080 | 60,402 | 17,240 | 8,865 | 678 | 68,367 | 17,818 | $22 \cdot 4$ |
| 7 | 100 | 26 | 15,068 | 8,576 | 18,859 | 4,271 | B84 | 130 | 10,548 | 4,401 | 10.4 |
|  | Total .. | 102 | 115,684 | 85,012 | 180,728 | 43,861 | 11,021 | 2,123 | 1,41,748 | 45,484 | 23.8 |

The total increase imposed on Government occupied land amounts, it will be seen, to Rs. 8,349 which is equivalent to 23.8 per cent., but it is to be noted that as the occupied head includes upwards of 15,000 acres which have hitherto escaped assessment, the net rise is in reality less. The increase on the first group appears at first sight to overstep the limits laid down for increase on groups of villages, but as only one village is concerned the limit which really applies is 66 per cent. and this has not been exceeded. This village (Rajur) moreover must be regarded as forming part of the group in last year's settlement under the maximum rate of which it has been brought. On the 3rd group which contains 6 villages the increase will be but $1 \cdot 2$ per cent. This is due to the unaccountably high rates of assessment formerly placed on the villages of Digambar, Pimpaldari and Pimpalgaon-Nakinda; no explanation of such exceptionally high rates can be given, and these villages must be taken merely as extreme cases of inequality which the roughness of the old system sometimes failed to detect.
44. The general inequality of the old assessment may be seen from the percentages in column 34 of Appendix Q. But many cases which seem greatest are found on examination to be due mainly to difference in area. The villages
 noted in the margin are those which show increase beyond the allowed limit of 66 per cent., and an expla-
nation of the causes to which the abnormal increase is due in one or two of them will suffice to make the subject clear. To take Kumshet as an extreme instance,-a village which lies in quite the wildest part of the district, as indeed do most of the villages in which the old survey record appears specially imperfect-in Kumshet the increase of assessment by the new rates amounts actually to 800 per cent. which is due to the fact that the existing revenue is but Rs. 4, recorded as covering 20 acres of dry-crop land, whereas the revenue survey shows there are 35 acres of dry-crop and 34 acres of rice in cultivation. The latter area has now been assessed at dry-crop rates averaging Re. 0-11-9 per acre, and the revision assessment on the whole occupied land ( 69 acres), will amount to Rs. 36. In Shirpunj Khurd, where the increase of assessment amounts to 100 per cent., there are found to be 205 acres of dry-crop land in occupation, now assessed at Rs. 33 ; whereas the old
survey records but 82 acres; which pay Rs. 13. The old rice area is 6 acres assessed at Rs. 7, there are by revision survey 9 acres assessed in all at the same sum. It seems useless here to go through in detail any further cases ; but enough perhaps has been said to show that though considerable inequalities no doubt existed, and were inseparable from the rough nature of the old system, yet the cases which appear at first glance excessive are often due to ordinary causes.
45. There is an assessed unoccupied area shown by revision survey of 11,021 acres assessed at Rs. 2,123, but as the forest settlement of this taluka is not yet finally completed some alteration may be expected in these figures.
46. The results of the revision survey are contrasted below with the figures of the old settlement under every head :-

| Description. | By Former Survey. |  | By Revision Sarvey. |  | Judi or Quitrent. |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Acres. | Rs. | Acres. | Rs. |  |
| Government occapied land ... | 115,584 | 35,012 | 130,722 | 48,361 | ... |
| Government unoccupied assessed land ... | 10,867 | 2,683 | 11,021 | 2,123 | ... |
| Inám ... | 7,459 | 2,806 | 7,638 | 2,874 | 1,376 |
| Government unassessed, unarable hills, \&c. | 108,371. | ... | 90,006 | ... | ... |
| Total ... | 242,281 | 40,501 | 239,387 | 48,358 | 1,376 |

47. The average assessment on Government occupied land of all descriptions by the former survey was Re. 0-4-10; by the proposed rates it is Re. 0-5-4 which is equivalent to an increase per acre of 6 pies.
48. I beg to recommend in conclusion that the proposed rates, if approved, be guaranteed for 28 years so as to expire simultaneously with the lease sanctioned last year for the rest of this Taluka; in introducing them all increases of more than 25 per cent. on individual Khátás will. be gradually imposed under the provisions of Government Resolution No. 3541 of 4th May 1885.

> I have the honour to be,
> Sir,
> Your most obedient Servant, W. M. FLETCHER, Superintendent, Poona and Násik Revenue Survey.

## APPENDIX A.

## Statemeat of Ranffall.

Registered at the Mamlatdärs' Kacheris.

| Years. | Ranntali at |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Akola. |  | Igatpuri. |  | Sangamner. |  | Jonnar. |  | Sinnar. |  |
|  | Inches. | Conta. | Inches. | Centa. | Inches. | Conta. | Inches. | Centr. | Inches. | Cents |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1875 ... | No | record | 148 | 27 | No | record | No | record. | No | recorci |
| 1876 ... | 8 | 98 | 114 | 57 | 6 | 59 | 12 | 38 | 08 | 50. |
| 1877 ... | 11 | 88 | 68 | 26 | 16 | 29 | 37 | 79 | 17 | .88. |
| 1878 ... | 30 | 53 | 160 | 54 | 26 | 73 | 51 | 80 | 33 | 48 |
| 1879 ... | 31 | 33 | 133 | 25 | 22 | 17 | 35 | 35 | 36 | 62 |
| 1880 ... | 16 | 11 | 123 | 95 | 15 | 41 | 20 | 44 | 17 | 89 |
| 1881 | 18 | 27 | 126 | 83 | 14 | 69 | 26 | 91 | 20 | 90 |
| 1882 .a* | 28 | 61 | 161 | 70 | 26 | 02 | 29 | 89 | 27 | 87 |
| 1883. ... | 30 | 55 | 133 | 42 | 31 | 95 | 55 | 28 | 39 | 98 |
| 1884 ... | 28 | 90 | 153 | 88 | 21 | 09 | 46 | 79 | 29 | 53 |
| 1885 ... | 23 | 37 | 123 | 17 | 23 | 36 | 29 | 61 | 31 | 15 |
| Total | 228 | 53 | 1,447 | 84 | 204 | 30 | 346 | 24 | 263 | 30 |
| Average | 22 | 85. | 181 | 62 | 20 | 43 | 34 | 62 | 26 | 33 |

W. M. FLETCHER,

Superintendent, Poona and Násik and
S. M. Country, Revenue Surveye

## APPENDIX B.

STATISTICAL TABLE No. III.
Detail of Oultivation, Average of five years from A. D. 1881-82 to 1885-86.

| District. | Surveyed Villagea. | Cropr. |  |  | Percentage of Total Caltivation of Government Iande. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Total. | Kharlf. | Rabi. |
| 1 | 2 | 8 |  |  | 4 | 5 | 6 |
| Akola Talnka of the Ahmednagar Collectorate <br> ... | Khallsa 102 villages | Nagli $\ldots$ $\ldots$ <br> Khorasni $\ldots$  <br> Bajri $\ldots$ $\ldots$ <br> Sára $\ldots$ $\ldots$ <br> Rice $\ldots$ $\ldots$ <br> Miscellaneous $\ldots$  <br> Bhadli $\ldots$ $\ldots$ <br> Urid $\ldots$ $\ldots$ <br> Kalthi $\ldots$ $\ldots$ <br> Tur $\ldots$ $\ldots$ <br> Jowari $\ldots$ $\ldots$ <br> Matki $\ldots$ $\ldots$ <br> Mag $\ldots$ $\ldots$ <br> Gram $\ldots$ $\ldots$ <br> Wheat $\ldots$ $\ldots$ <br> Miscellaneons $\ldots$  <br> Kardai or Saflower $\ldots$  <br> Tobacoo $\ldots$  <br> Grass or fallow $\ldots$  |  |  | Percentage. | Acres. | Acres. |
|  |  |  | ... | $\cdots$ | 18.1 16.9 | $\begin{array}{r}: 21,867 \\ 20,354 \\ \hline\end{array}$ | ...... |
|  |  |  | $\ldots$ | $\cdots$ | 13.9 | 16,805 | ....... |
|  |  |  | ... | ... | $7 \cdot 1$ | 8,619 | ....... |
|  |  |  | ... | $\cdots$ | 4.2 | 5,087 | ...... |
|  |  |  | ... | $\cdots$ | $2 \cdot 1$ | 2,496 | ...... |
|  |  |  | ... | $\cdots$ | 19 | 2,306 | ...... |
|  |  |  | $\cdots$ | ... | 1.1 0.6 | 1,297 | ...... |
|  |  |  | ...' | $\ldots$ | 0.8 | 370 | ...... |
|  |  |  | ... | $\cdots$ | 0.3 | 367 | ....... |
|  |  |  | ... | $\ldots$ | 0.1 | 128 | ....... |
|  |  |  | ... | ... | 0.1 | 92 |  |
|  |  |  | ... | ... | 1.4 | ...... | 1,678 |
|  |  |  | $\cdots$ | ... | 1.2 | ...... | 1,421 |
|  |  |  | $\cdots$ | $\cdots$ | 1.0 0.7 | ....." | 1,174 |
|  |  |  | ... | $\ldots$ | $0 \cdot 1$ | ....... | ${ }_{67}^{907}$ |
|  |  |  | ... | ... | 28.9 | ....... | 34,855 |
|  |  |  | Total ... |  | 100.0 | 80,549 | 40,102 |
| N. B.-The areas in this atatemont refer to Government land only. |  |  |  |  | W. M. FLETCHER, <br> Superintendent, Poona and Násik and S. M. C. Revenue Surveys |  |  |
|  |  |  |  |  |  |  |  |  |  |

Statement showing the Tillages in which the principal Weekly Bázárs are held in theAkola Táluka of the Ahmédnagar Collectorate. m .


SLATLSTICAL_TABCE No. IV.
Detail of Population.


The upper line of fagures is that of the previous Sottlement.
W. M. FLETCHER,

Superintendent, Poona and Násik and S. M. Country, Revenue Surveys.

APPENDIX E .
Statistioal Table No. V.
Occupation of the People.

| District | Surveyed Villuges. | Occupation | Number. |
| :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 |
| Akola Taluka of the Ahmednagar Collectorate ... | 102 Oovernment villages ... $\{$ | $\left.\begin{array}{llll}\text { Agricultaral ... } & \ldots & \ldots \\ \text { Partly agricultural } & \ldots & \ldots \\ \text { Non-agricultural } & \ldots & \ldots\end{array}\right\}$ |  |

*The upper hno of jigures lo that of the provious Sottlemont.
APPENDIX F.
Staftistical Table No. VI.
Return of Houses, Chávdis, Wells, Go., and of Live and Dead Stock.


## APPENDIX G.

Statement of STope, Looms, Temples, gra, and arerage Births, Dearths, Faccination, in 102 villages of AEole Taluka, of the Ahmedmagar Collectorate.


Statement of Sohools together with their aterage attendamce in the goar 1885-86 in the Fillages of the Alola Túluke of the Ahmednagor Colloctorate.
(10)

Statement showing the Proportion of Gosernment Ocowpied and Inam lands cultieated by Oceupants and Sub-tenants, of $\tau_{7}$ in the year 18055-86.

W. M. FLETCHER,

Superintendent, Poons and Násik and S. M. Comatry, Bevenue Surveys.

## APPENDIX J.

Statement of Wells, Tanks and Budkis in the villages of the Akola Taluka of the Ahmednagar Collectorate in the year 1885-86.

W. M. FLETCHER,

Superintendent, Poona and Násik and S. M. C. Revenue Surve ys.

## APPENDIX K.

Statement of Sales of Land in Villages of the Akola Táluka, Ahmednagar Collectorate, from the Records of the Sub-Registrar from 1889-84 to 1885-86.


APPENDIX K-continued.


APPENDIX K-continued.


## APPENDIX K-continued.



## APPENDIX K.-continued.



## APPENDIX K-continued.



## APPENDIX K-continued.


W. M. FLETCHER,

Superintendent, Poona and Násik and S. M. C.
Revenue Surveys.

## APPENDIX L.

Statement of Leases in Villages of the Akola Táluka, Ahmednagar Collectorate, taken from the Sub-Registrar's Records from 1883-84 to 1885.86.



## APPENDIX L-continued.




Statement of Mortgage Transactions in Villages of the Akola Táluka, Almednagar Collectorate.



APPENDIX M-continued.

ce

APPENDIX M-continued.




| .a. If the debt is not paid within the date fixed, the land is to be sold in satisfaction. Do. |  |
| :---: | :---: |
|  | Do. do. |
|  | Mortgagee's possession to continue till payment of debt. |
|  | .. If the debt is not paid within the date fixed, the land is to be sold in aatisfaction. Do. do. <br> Mortgagee's possession to continue till payment of debt in full. |
| $\because$ | Mortgagee's poseession to con:tinue till payment of debt. |
|  | Do. do. <br> If the debt is not paid within the date fixed, the land is to be sold in eatisfaction. |
|  | Mortgagee's possession to continue till payment of debt. |
|  | $\begin{array}{ll} \text { Do: } & \text { do; } \\ \text { Do. } & \text { do. } \end{array}$ |
|  | If the debt is not paid within the date fired, the land is to be sold in satisfaction. |
|  | Do. do. <br> Mortgagee's possession to continue till payment of debt. |
|  | If the debt is not paid within the date fired, the land is to be sold in satisfaction. Do. do. |
|  | Do. do. |
|  | If the debt is not liquidated within the date fixed, the land is to be sold in astisfaction. |
|  | Mortgagee's possession to continue till payment of deht. |
|  | De. do. |

APPENDIX M—continued.







APPENDIX M-conlinued.



APPENDIX MI-continued.



APPENDIX M-continued.


W. M. FLETCHER,

Superintendent, Poona \& Násik and S. M. C.
Revenue Surveys.

Statement showing the prices prevalent in the Akola Táluka of the Ahmednagar have already been introduced for 48


N．
Vollectorate，and adjoining tálukás into which Revised Survey rates of A ssessment pears from 1838－s9 to 1885－86．

| Snnear． |  |  |  |  | Samasmerb． |  |  |  |  | Junnar． |  |  |  |  | Rrmares． |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Measared seers of 80 tolas por Rupee． |  |  |  |  | Measured seers of 80 tolás per Rupee． |  |  |  |  | Measured seers of 80 tolae por Rapee． |  |  |  |  |  |
|  | 茞 | $\begin{aligned} & \dot{\text { E }} \\ & \text { E } \end{aligned}$ | $\begin{aligned} & \text { 息 } \\ & \hline \end{aligned}$ | 边 | 哀。 | 绿 | $\begin{aligned} & \text { 官 } \\ & \dot{E} \end{aligned}$ | $\begin{aligned} & \text { 8 } \\ & 8 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 霖 } \\ & \text { • } \end{aligned}$ | $\begin{aligned} & \text { 呂 } \\ & 0 \\ & \hline 0 \end{aligned}$ | 宮 | $\begin{aligned} & \text { ぜ } \\ & \text { E } \end{aligned}$ | $\begin{aligned} & \text { E } \\ & \hline \mathbf{5} \\ & \hline \end{aligned}$ |  |  |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|  | $\begin{aligned} & 44 \\ & 44 \\ & 22 \\ & 66 \\ & 88 \\ & 88 \\ & 39 \\ & 274 \\ & 29 \\ & 60 \end{aligned}$ | $\begin{aligned} & 3444 \\ & 342 \\ & 204 \\ & 574 \\ & 669 \\ & 643 \\ & 34 \\ & 23 \\ & 23 \\ & 33 \end{aligned}$ | $\begin{aligned} & 28 \\ & 28 \\ & 168 \\ & 449 \\ & 644 \\ & 644 \\ & 63 \\ & 18 \\ & 18 \\ & 33 \end{aligned}$ | $\begin{aligned} & 23 \\ & 23 \\ & 20 \\ & 23 \\ & 344 \\ & 384 \\ & 284 \\ & 18 \\ & 17 \\ & 14 \\ & 134 \end{aligned}$ |  | $\begin{aligned} & 33 \\ & 289 \\ & 494 \\ & 49 \\ & 66 \\ & 56 \\ & 66 \\ & 464 \\ & 494 \\ & 93 \\ & 93 \\ & 87 \end{aligned}$ | $\begin{aligned} & 341 \\ & 311 \\ & 36 \\ & 46 \\ & 46 \\ & 46 \\ & 46 \\ & 34 \frac{1}{2} \\ & 194 \\ & 464 \\ & 68 \end{aligned}$ |  | $\begin{gathered} \cdots \\ \cdots \\ \cdots \\ \cdots \\ \cdots \\ \dddot{46} \\ 20 \\ 106 \frac{1}{2} \\ 46 \end{gathered}$ | 51 <br> 14 <br> 44 <br> 544 <br> 504 <br> 501 <br> 56 <br> 57 <br> 45 <br> 45 <br> 32 <br> 31 <br> 58 <br> 58 | $\begin{aligned} & 46 \frac{1}{2} \\ & 39 \frac{1}{2} \\ & 54 \\ & 46 \\ & 64 \\ & 61 \\ & 46 \\ & 30 \\ & 30 \frac{1}{2} \\ & 5 \cdot \frac{1}{2} \end{aligned}$ | $\begin{aligned} & 43 \\ & 32 \frac{1}{2} \\ & 43 \\ & 474 \\ & 42 \\ & 50 \\ & 42 \\ & 27 \\ & 23 \\ & 34 \end{aligned}$ |  | 19 <br> 19 <br> 19 <br> 24 <br> 214 <br> 34 <br> 38 <br> 28 <br> 26 <br> 24 <br> 147 <br> 173 <br> 23 |  |
| ．．． | 5074 | $\begin{array}{r} 391 \pi \\ 391 \end{array}$ | 352 351 | $\begin{array}{r} 214! \\ 21 \frac{1}{2} \end{array}$ | $\begin{gathered} 679{ }_{2} \\ 68 \end{gathered}$ | $\begin{array}{\|c} 544 i \\ 54 t \end{array}$ | $\begin{aligned} & 4081 \\ & 408 \end{aligned}$ | $\begin{array}{r} 364! \\ 36 \frac{1}{2} \end{array}$ | $\begin{gathered} \hline 219 \\ .54 \frac{9}{4} \end{gathered}$ | $\begin{aligned} & \hline 479 \\ & 48 \end{aligned}$ | $\begin{gathered} 455 \\ 457 \end{gathered}$ | $\begin{array}{r} 384 \frac{2}{2} \\ 36 \frac{1}{2} \end{array}$ | $\begin{gathered} 383 \\ 384 \end{gathered}$ | 2361 |  |
|  | 66 63 43 31 372 412 41 50 33 31 31 46 36 | 45 394 394 30 36 41 50 304 324 36 30 29 | $\begin{aligned} & 48 \\ & 47 \\ & 34 \\ & 34 \\ & 33 \\ & 35 \frac{1}{2} \\ & 30 \\ & 31 \\ & 32 \\ & 30 \end{aligned}$ | $\begin{aligned} & 151 \\ & 214 \\ & 115 \\ & 1712 \\ & 192 \\ & 188 \\ & 152 \\ & 25 \\ & 17 \\ & 17 \end{aligned}$ |  |  |  |  | 45 37 53 46 45 494 466 57 464 404 40 | 87 <br> 866 <br> 44 <br> 45 <br> 45 <br> 55 <br> 51 <br> 38 <br> 383 <br> 351 <br> 402 <br> 402 <br> 413 <br> 15 | $\begin{aligned} & 88 \\ & 694 \\ & 69 \\ & 32 \\ & 43 \\ & 53 \\ & 48 \\ & 30 \\ & 35 \\ & 35 \\ & 34 \end{aligned}$ |  | 56 51 61 43 43 43 35 454 35 364 364 40 30 | 26 <br> 27 <br> 27 <br> 27 <br> 27 <br> 301 <br> 301 <br> 30 <br> 27 <br> 25 <br> 18 <br> 18 <br> 214 <br> 14 |  |
| ．．． | 4093 41 |  | $\begin{aligned} & 354 \frac{1}{2} \\ & 35 \frac{1}{2} \end{aligned}$ | $\begin{array}{r} 184 \frac{1}{4} \\ 18 \frac{1}{2} \end{array}$ | $\begin{array}{r} 561 \\ 56 \end{array}$ | $\begin{array}{\|c\|} 458 \\ 458 \end{array}$ | $\begin{gathered} 370 \mathbf{y} \\ 37 \end{gathered}$ | $\begin{array}{\|c} 3491 \\ 35 \end{array}$ | $46 \frac{1}{2}$ | $\begin{array}{r} 504 \\ 50 \mathrm{z} \end{array}$ | $\begin{gathered} 4671 \\ 462 \end{gathered}$ |  | 415 | 2542 26 |  |
| ．．． $\ldots$ $\ldots$ $\ldots$ $\ldots$ $\ldots$ $\ldots$. $\ldots$ |  |  |  | 34 13 14 14 14 9 9 9 7 7 7 6 | 431 <br> 41 <br> 29 <br> 29 <br> 29 <br> 29 <br> 22 <br> 43 <br> 163 <br> 31 <br> 31 <br> 343 |  | 23 24 23 23 14 13 11 14 17 18 |  |  | 39 <br> 411 <br> 41 <br> 40 <br> 36 <br> 21 <br> 16 <br> 16 <br> 20 <br> 21 <br> 24 <br> 24 <br> 24 |  | 324 <br> 324 <br> 32 <br> 23 <br> 23 <br> 124 <br> 12 <br> 12 <br> 14 <br> 12 <br> 14 <br> 14 <br> 14 | 321 292 39 30 22 13 12 12 17 16 12 16 | 25 13 132 13 13 11 10 10 10 9 9 8 9 |  |
| $\ldots$ | $\begin{gathered} 231 \\ 23 \end{gathered}$ | $\begin{gathered} 1994 \\ 20 \end{gathered}$ | $\begin{array}{r} 180 \\ 18 \end{array}$ | $\begin{gathered} 102 \\ 10 \pm \end{gathered}$ | $\begin{array}{r} 3051 \\ 30 \frac{1}{4} \end{array}$ | $\begin{array}{r} 230 \\ 23 \end{array}$ | $\begin{gathered} 182 \\ 18 t \end{gathered}$ |  | $\begin{array}{r} 2872 \\ 289 \end{array}$ |  | $\begin{gathered} 243 \\ 241 \end{gathered}$ | $\begin{aligned} & 1931 \\ & 197 \end{aligned}$ | $\begin{array}{r} 200 \\ 20 \end{array}$ | 122 |  |
| $\cdots$ | 19 | ${ }_{12}^{15}$ | 14 10 | ${ }_{8}^{9}$ | $\stackrel{21}{34}$ | ${ }_{27}^{134}$ | ${ }_{161}^{134}$ | 14 | 28 31 | $\stackrel{24}{24}$ | 20 18 | ${ }_{12}^{19}$ | ${ }_{12}^{21}$ | ${ }^{91}$ |  |
| $\ldots$ | ${ }_{22}^{19}$ | $14 \frac{1}{2}$ | 134 | $10^{2}$ | 30 | 24 | 16 | 16 | 34 | 21 | 18 | $13{ }^{1}$ | 184 | $11^{2}$ |  |
|  | 132 | 14 | 15 | 10 | 285 | 19 | 16 | 14 | 234 | ${ }^{201}$ | 17 | 13. | 17 | 10.2 |  |
| $\cdots$ | ${ }_{28}^{21}$ | 16 19 | 18 17 | 12 | 39 49 | ${ }_{36}^{31}$ | ${ }_{24}^{23}$ | ${ }_{22}^{191}$ | ${ }_{\text {ckid }}^{23}$ |  | $\stackrel{20}{24}$ | 173 | 1515 | 10 |  |
| … | ${ }_{281}^{281}$ | 19 | 17 <br> 93 <br> 1 | 138 | ${ }_{4}^{492}$ | ${ }_{37}^{36}$ | $\stackrel{24}{29}$ | ${ }_{23}^{22}$ | ${ }_{36}{ }^{23}$ | ${ }^{292}$ | ${ }_{30}{ }^{2}$ | 20\％ | 21 | 12 |  |
| $\ldots$ | 259 | 19 | 24 | 134 | 33 | 27 | 194 | 253 | ${ }^{33}$ | 34 | 24 | 18 | ${ }^{24}$ | ${ }_{8}^{11}$ |  |
| $\cdots$ | 13, <br> 108 <br> 108 | $\stackrel{124}{94}$ | 141 <br> 102 <br> 1 | ${ }_{7}^{81}$ | 15 11 | 13 10 | $\stackrel{13}{18}$ | $\stackrel{132}{9}$ | 13 | ${ }_{10}^{12}$ | $\stackrel{102}{9}$ | ${ }^{10}$ | ${ }_{8}^{13}$ | ${ }^{8}$ |  |
| $\cdots$ | 12 | 9 | $10^{\circ}$ | 91 | 12 | 12 | ${ }_{9}^{9}$ | ${ }^{9}$ |  | 10 | $9{ }^{9}$ | 8 | $\stackrel{9}{121}$ | ${ }_{8}^{81}$ |  |
| $\cdots$ | ${ }_{20}^{13}$ | 11 | ${ }_{22}^{132}$ | 12 | ${ }_{264}^{14}$ | ${ }_{\text {20，}}^{13}$ | 10 | 22， | ${ }_{18}^{18}$ | ${ }_{23}^{12}$ | 17 | 142 | 18 | 13 |  |
| $\ldots$ | 23 | $15 \cdot$ | 215 | 12 | 33 | 264 | 154 | 224 | 24 | $29 \pm$ | 20 | $15 \pm$ | 19 | 127 |  |
|  | $19 \pm$ | $14 \frac{18}{2}$ | $1{ }^{19}$ | 129 | ${ }^{183}$ | 162 |  | 163 | $\stackrel{29}{29}$ | ${ }_{21}^{259}$ | 18 | ${ }^{154}$ | ${ }_{22}^{169}$ |  |  |
| $\ldots$ | 19 | 18 | 191 | 12 | ${ }^{2639}$ | ${ }^{29} 9$ | ${ }_{20}^{23}$ | ${ }_{2}^{29} 2$ | $\stackrel{27}{24}$ | ${ }_{209}^{21}$ | 18 | 165 16 | $2{ }^{24}$ | 104 |  |
| 22 | 189 | 174 | $20^{\circ}$ | 101 | 234 | $15^{*}$ | 16 | 171 | 20 | 191 | 193 | $16 \pm$ | 214 | 94 |  |
| 22 22 | 3414 19 | 2723 158 | 3029 169 | 1944 104 | $\begin{gathered} 4672 \\ 27 \end{gathered}$ | 3878 218 | 2964 | 3194 | $\begin{gathered} 449 \frac{1}{2} \\ 25 \end{gathered}$ | $\begin{gathered} 393 \ddagger \\ 21 \$ \end{gathered}$ | 3197 | 2884 | 3089 | 1839 104 |  |

W．M．FLETCHER，
Superintendent，Poona \＆Násik and
S．M．Country Revenue Surveys．

## APPENDIX 0.

Revenue Statement for 97 Villages situated in the Akola Taluka of the Ahmednagar Collectorato, in which the Survey Settlement was introduced in the year 1848-49.

|  |  |  |  |  |  |  | Unoccupim aberssid arashs Goverament Latb. |  |  | Laxd, frim Ruvexye of Whtch ta Alizyatmb gacticliz ob partlaiby (IXA'M). |  |  | Tofal Land, Gontion wivi, Oocuminh, Unc OOUPRD, and 1ma'm. |  |  | $\begin{gathered} \text { Balance } \\ \text { out. } \\ \text { standing } \\ \text { at clooe } \\ \text { of year. } \end{gathered}$ | Rmmasta, |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | emisaion |  |  |  |  | Realiza- |  |  |  |  |  | Coleo |  |  |
|  |  | nt. | $\begin{gathered} \text { Permen } \\ \text { nent. } \end{gathered}$ | Camal. | Totel. | tion. |  |  | Aucle of seal grazing. |  | areme | Qut, | mod ${ }^{8}$ | $\left\{\begin{array}{c} \text { Colum ta } \\ 3.0 \\ \text { and } 15 . \end{array}\right.$ | $\begin{aligned} & \text { unno } \\ & 7.10 \end{aligned}$ |  |  |
| 1 | 2 | 8 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 18 | 14 | 15 | 16 | 17 | 18 |
|  |  | is. | Rs. | Rs. | Ra. | Re. | Acres | Re. | I2. | Acres. | E. | SR. | 4 ares. | R. | B. | R. |  |
| 1838-89 .. | 23,984 | 22,897 | 1,833 | 4,155 | 6,488 | 17,400 | 28,983 | 20,412 | $\boldsymbol{\mu}$ | 4,881 | 2,480 | 88 | 52,808 | 45,789 | 17,880 | 834 |  |
| 1830-40 .. | 23,679 | 21,805 | 1,618 | 2,156 | 8,775 | 18,180 | 24,032 | 19,085 | 1 | 8,327 | 3,000 | 381 | 62,888 | 48,980 | 13,832 | 86 |  |
| 1840-41 .* | 21,257 | 22,490 | 1,289 | 34 | 1,636 | 20,854 | 29,860 | 18,480 | 35 | 6,328 | 3,000 | 850 | 52,048 | 48,070 | 21,239 | 52 |  |
| 1841-48 .. | 23,755 | 22,983 | 740 | 5,885 | 0,095 | 16,888 | 28,879 | 17,928 | 25 | 5,328 | 3,009 | 288 | 62,902 | 48,980 | 17,196 | - |  |
| 1842-4 | 28,129 | 21,589 | 411 | 885 | 796 | 20,793 | 21,488 | 19,812 | 84 | 5,383 | 2,998 | 800 | 62,880 | 43,809 | 21,187 | 4 |  |
| 1848-44 .. | 22,280 | 20,869 | 241 | 1,592 | 1,838 | 10,086 | 25,408 | 20,047 | 81 | 5,321 | 2,994 | 277 | 53,004 | 48,010 | 19,844 | 1 |  |
| 1844-45 .. | 20,874 | 19,050 | 216 | 1,686 | 1,852 | 17,198 | 28,814 | 21,880 | 828 | 5,391 | 2,985 | 216 | 83,009 | 42,874 | 17,787 |  |  |
| 1885-46 .. | 10,740 | 18,588 | 284 | 8,294 | 8,518 | 15,020 | 97,961 | 22,867 | 468 | 6,521 | 2,985 | 188 | 38,012 | 48,890 | 15,869 | 16 |  |
| 1886-47 .. | 21,087 | 20,160 | 176 | 855 | 431 | 19,720 | 38,074 | 20,055 | 44 | 5,822 | 2,985 | 265 | 58,089 | 43,810 | 20,488 | 79 |  |
| 1847-48 .. | 22,057 | 21,267 | 190 | 127 | 321 | 20,246 | 24,821 | 18,100 | 45 | 6,562 | 8,889 | 272 | 88,940 | 48,796 | 21,067 | 34 |  |
| 1848-49 .. | 44,900 | 18,086 | - | 292 | 292 | 17,734 | 7,161 | 3,451 | 4 | 9,000 | 8,900 | 84 | 61,001 | 25,877 | 18,129 | 61 |  |
| 1840-50 .. | 43,848 | 17,885 | . | 611 | 611 | 17,224 | 8,243 | 8,867 | no | 8,977. | 8,881 | 887 | 61,068 | 25,888 | 17,881 | 1 |  |
| 1850-51 .. | 43,190 | 17,759 | - | 245 | 245 | 17,514 | 8,877 | 8,797 | 128 | 0,580 | 8,885 | 41 | 61,656 | 25,381 | 18,187 | 109 |  |
| 1851-58 .. | 42,208 | 27,352 | . | 618 | 618 | 16,834 | 9,061 | 4,179 | 218 | 0,573 | 8,888 | 168 | 01,742 | 25,419 | 17,515 | - | - |
| 1852-58 .. | 62,771 | 17,094 | - | 2 | 88 | 17,812 | 11,551 | 4,642 | 276 | 7,420 | 8,187 | 507 | 61,742 | 25,408 | 18,883 | .. |  |
| 1853-54 .. | 40,470 | 16,977 | - | 1,088 | 1,088 | 15,289 | 13,904 | 5,515 | 205 | 7,361 | 8,111 | 1,852 | 61,783 | 25,408 | 16,904 | * |  |
| 1854-55 .. | 57,082 | 16,288 | - | 115 | 115 | 10,75 | 16,684 | 6,088 | 258 | 7,134 | 8,029 | 1,858 | 61,740 | 25,408 | 17,780 | . |  |
| 1855-58 .. | 44,287 | 17,683 | - | 29 | 29 | 17,004 | 18,063 | 5,247 | 196 | 8,745 | 2,809 | 1,195 | 04,075 | 25,772 | 18,995 | .. |  |
| 1856-67 .. | 40,285 | 18,806 | .. | $\cdots$ | . | 18,806 | 11,401 | 4,511 | 281 | 6,445 | 2,780 | 1,148 | 67,081 | 28,097 | 20,185 | $\cdots$ |  |
| 1857-58 .. | 60,642 | 19,088 | . | . | * | 18,088 | 10,38 | 4,001 | 249 | 7,197 | 2,773 | 1,146 | 68,207 | 25,952 | 20,488 | - |  |
| 1858-59 | 52,199 | 19,466 | - | 7 | 7 | 19,459 | 9,197 | 3,632 | 227 | 7,178 | 2,788 | 1,140 | 68,574 | 25,888 | 20,888 | $\cdots$ |  |
| 1859.60 .. | 98,894 | 30,243 | 10,919 | 849 | 10,568 | 19,675 | 26,104 | 8,798 | - 57 | 7,218 | 2,761 | 1,140 | 1,81,216 | 39,787 | 21,072 | * |  |
| 1860-61 .. | 7,420 | 86,344 | - | -* | - | 23,344 | 44,005 | 10,732 | 001 | 7,121 | 2,74 | 1,121 | 1,31,440 | 89,820 | 28,036 | .- |  |
| 1881-62 .. | 81,340 | 27,018 | 12 | . | 12 | 87,001 | 43,015 | 10,088 | 688 | 7.002 | 2,719 | 1,189 | 1,31,447 | 39,820 | 28,728 | .. |  |
| 1892-68.. | 84,688 | 27,809 | .. | - | . | 97,000 | 89,608 | 9,188 | 736 | 7,174 | 2,748 | 1,182 | 1,31,460 | 39,820 | 29,877 | - |  |
| 1883-64 .. | 92,548 | 29,806 | - | * | $\cdots$ | 20,806 | 31,73 | 7,266 | 018 | 7,175 | 2,748 | 1,181 | 1,31,452 | 30,820 | 81,806 | -. |  |
| 1804-85 | 95,548 | 30,427 | - | $\cdots$ | - | 80,487 | 98,761 | 6,652 | 808 | 7,148 | 2,741 | 1,225 | 1,31,455 | 89,820 | 82,100 | .. |  |
| 1865-00 | 97,161 | 80,853 | - | . | - | 30,85s | 27,150 | 6,226 | 6st | 7,148 | 2,741 | 1,823 | 1,81,454 | 39,820 | 82,710 | -* |  |
| 1880-67 .. | 98,787 | 91,167 | $\because$ | - | - | 31,167 | 25,479 | 6,818 | 584 | 7,148 | 2,741 | 1,318 | 1,31,409 | 80,891 | 88,040 | . |  |
| 1897-68 .. | 1,00,772 | 81,632 | $\bullet$ | 5 | 5 | 81,527 | 28,149 | 6,43M | 656 | 7.144 | 2,741 | 1,816 | 1,81,095 | 30,707 | 88,898 | - |  |
| 180860 | 1,02,180 | 81,910 | - | 14 | 14 | 31,808 | 21,792 | 6,066 | 704 | 7,148 | 2,741 | 1,800 | 1,31,064 | 30,707 | 83,900 | - |  |
| 1800.70 .. | 1,04,104 | 82,388 | . | - | - | 82,838 | 20,908 | 4,741 | 574 | 7,145 | 2,741 | 1,801 | 1,31,4 65 | 39,880 | 86,219 | -. |  |
| 1870.71.. | 1,06,485 | 32,915 | - | * | - | 82,016 | 17,485 | 4,184 | ses | 7,143 | 2,741 | 1,825 | 1,31,068 | 80,840 | 84,805 | .. |  |
| 1871-72 .. | 1,08,112 | 93,818 | . | . | - | 88,818 | 15,787 | 3,645 | 281 | 7,148 | 2,741 | 1,825 | 1,81,029 | 39,690 | 35,059 | - |  |
| 1872.78 .- | 1,08,428 | 88,404 | - | - | - | 38,404 | 15,461 | 8,554 | 540 | 7,143 | 2,741 | 1,s\% | 1,31,022 | 20,000 | 85,200 | * |  |
| 1873.74 .. | 1,06,508 | 39,965 | .. | - | - | 82,985 | 17,525 | 4,008 | 428 | 7.184 | 2,797 | 1,823 | 1,31,045 | 30,704 | 84,716 | - |  |
| 1874.75 .. | 1,05,013 | 32,646 | - | 1 | 1 | 82,045 | 18,988 | 4,521 | 40 | 7,124 | 2787 | 1,825 | 1,31,045 | 39,704 | 24,410 | - |  |
| 1875-76 .. | 1,04,622 | 32.519 | - | 4 | 4 | 32,515 | 19,305 | 4,450 | 461 | 7,124 | 2,787 | 1,325 | 1,31,051 | 89,700 | 84,801 | - |  |
| 1876-77 .. | 1,04,720 | 32,498 | . | 491 | 491 | 32,007 | 18,847 | 8,949 | 816 | 7,184 | 2,887 | 1,325 | 3,28,700 | 59.184 | 83,648 | 4.788 |  |
| 1877-78 .. | 1,05,113 | 32,577 | * | -* | - | 82,577 | 18,401 | 8,888 | 304 | 7,104 | 2,724 | 1,825 | 1,28,618 | 80,164 | 44,208 | 1,675 |  |
| 1878-78 .. | 1,05,598 | 88,736 | $\cdots$ | - | . | 83,798 | 14,910 | 8,503 | 288 | 7,108 | 8,729 | 4. 29 | 1,27,618 | 38,958 | 34,387 | 1,807 |  |
| 1870-80 .. | 1,05,418 | 32,719 | - | . | . | 82,718 | 15,058 | 8,506 | 44 | 7,108 | 2,718 | 3,527 | 1,27,582 | 38,948 | 4,206 | ${ }^{6}$ |  |
| 1850-81 .. | 1,04,795 | 32,453 | - | - | .. | 32,453 | 15,690 | 3,787 | 235 | 7,109 | 2,719 | 1,5\%8 | 1,27,58 | 38,930 | 84,08s | -* |  |
| 1881-89 .. | 1,06,000 | 32,734 | $\cdots$ | * | ** | 82,724 | 14,462 | 3,402 | 238 | 7,105 | 2,720 | 1,585 | 1,27,576 | 88,938 | 34,295 | 6 |  |
| 1888-88 .. | 1,00,787 | 82,886 | - | 4,525 | 4,5\%s | 28,581 | 12,708 | 3,850 | 228 | 7,081 | 2,712 | 1,281 | 1,27,676 | 38,048 | 2,816 | 6,168 |  |
| 1889.84 .- | 1,08,110 | 35,112 | $\cdots$ | . | . | 33,212 | 12,978 | 3,017 | 811 | 7,059 | 2,718 | 1,828 | 1,27,507 | 88,967 | 34,746 | 100 |  |
| 1884-85 .. | 1,00,385 | 38,470 | .- | ** | - | 88,470 | 11,089 | 2,758 | 806 | 7,077 | 2,719 | 1,893 | 1,27,568 | 38,94 | 85,189 | .. |  |
| 1853-86 . | 1,00,512 | 83,583 | .. | .. | . $\cdot$ | 33,583 | 10,866 | 4,683 | 864 | 7,079 | 2,712 | 1,800 | 1,87,457 | 38,938 | 85,900 | 6 |  |

## APPENDIX P.

Revenue Stalement for 5 villages situated in the Akola Táluka of the Ahmednagar Collectorate, in which Survey
Settlement was introduced in 1850-51.


APPENDIX
General Statement referred to in paragraph is of the Poonk and Naisik and Southern Mardtha.
Villages of the Akola Táluka


30
 of the Shmedingar Collectorate.



Q-continued.

W. M. FLETCHER,

Superintondent, Poona \& Násik and S. M. C. Revenue Surveys.

INDEX TO THE REPORT BY Mr. FRASER-TYTLER ON THE FIRST SURVEY AND SETTLEMENT OF THE AKOLA DANGS, 1848.


# RICHARD SPOONER, Esquire, <br> Collector. 

Nagar, 22nd August 1848.
Sir,
I have the honour to report the completion of the survey of the Ankola Dángs, and to solicit sanction for the introduction at the approaching jamabandi of the new rates herein proposed.
2. The Ankola Dangs form a portion of the Syhadri range, and of the Description of the Dáng country known by the name of the Konkan Ghát-Mátha or hill conntry. or Konkan on the top, to distinguish it from the Thal or Konkan below the Ghats. The average breadth of the ghat-matha is 30 miles, extending from the summit of the ridge facing the Konkan to the Desh or Deccan plains. The features of the ghat-mátha, now commonly called the Dáng, in no way resemble those of the Desh or champaign country. Produce, customs, castes, climates, trades, pursuits, revenue management past and present, all differ more or less. Antecedent to the Mahomedan conquest the ghát-mátha appears to have been divided into small States under petty Chiefs. Nor was this state of things much altered by the conquest : authorities, European and Native, agree that the authority of the Mahomedan kings was never fully established in the Dáng. "Old papers evince in their time a state of things approaching to anarchy, when the Government depended entirely on what it could exact from the Zamindárs, who appear to have assumed some degree of independence." Chiefs, Killedárs and land-holders seem to have been nearly supreme, occasionally paying tribute and occasionally receiving pay to keep their hill-tribes in order. The various Dáng Hill Forts had the surrounding villages and districts severally apportioned to them for their maintenance, and the Governors thereof exercised civil and military authority over these various tracts of country.
3. Much the same state of things continued under the Marátha rule. The subjugation of the ghát-mátha was always imperfect, and its revenue management was never either by Mogals or Marathas reduced to a system. The Police Náik system now prevailing throughout much of the ghát-mátha or Dáng territory is a standing proof of (because it had its origin in) the anarchy usually prevailing here. This consecutive state of things was the consequence of the Dang being, as pronounced by competent authorities, the strongest country in the world in a military point of view. It was left to our Government to introduce more thorough control in this part of the country. Still the famous robber Umáji, after him Rámji Bángra and more lately his son, as well as other banditti, have at times, aided by the nature of the country, contrived to do much harm, and to put Government to trouble and expense. Where martial law was so difficult of introduction, revenue management was out of the question : and our Government has been the first to introduce both the one and the other. In A D. 1818-19 revenue measures were taken in the Dang somewhat similar to those generally adopted by us throughout the Deccan; the system resulting from these measures is described below.
4. The survey of champaign portion of the Ankola Táluka consisting of 56 villages was made by Lieutenant Anderson's

Treatment of the Dáng under our rale, i. e. from 1818 up to 1848. department: this left 110 Dáng villages for me. Preyious to entering on this work under date the 10th January last, I submitted a report on the system hitherto obtaining in these 110 Dáng villages and on the method proposed for their present settlement; a portion of that report it is necessary for the sake of clearness to repeat.
5. There is no part of the Nagar Zilla which stands more in need of revision than the Dangs of Ankola. Captain Robertson in 1829-30 attempted to place matters in form but desisted pending a regular survey; since his time the question has passed unnoticed. The Dáng of Ankola contains 114 villages, four of which are alienated. At present four different systems of assessment obtain in the 110 khalsa villages as follows:-

1. The "Begawni."
2. The "Autbandi" or plough-tax.
3. The "Nakt Chál."
4. The "Dalli" (or hill assessment).
5. In the Begawni system the land professes to be divided into fields First system. of so many bighás each; there is also a number of kharda or field registers, but no field measurement of any kind, or classification according to the capabilities of the soil, has ever taken place. The so-called bigha is found of every size from half an acre to four or six acres. There are in these 40 Begawni villages twenty-five rates. Each village has usually from three to six different rates. The kulkarnis also realize direct from the rayats of these Begawni villages six páylis of grain and 8 annas cash on every 30 bighás : but these levies are not uniform.
6. The "Autbandi" system is a tax on ploughs. There are two-bullock Second system. ploughs, four-bullock ploughs, six-bullock ploughs and eight-bullock ploughs. The rates are 43 in number. There are commonly 3 and 4 different rates in each village, which are also liable to be halved and quartered.
7. These numerous rates are frequently altered; the loss or acquisition of a bullock or two, the extension or diminution of cultivation, any addition to a man's family or establishment and other causes will add or take away a half or a whole plough as the case may be, and at the discretion of the kulkarni.
8. An annual assessment takes place in these Autbandi villages, the kulkarni is sole assessor, the patil nominally supplies the information: the influences which combine to form the result seem endless: but there is little uniformity of procedure, the kulkarnis giving different accounts of their modes of assessment ; some kulkarnis say-they take the extent of land into consideration, others that this forms no part of the system. These kulkarnis are in the great majority of cases deshpándes also.
9. This plough-tax admits of no test whatever, and this is never attempted by the Mámlatdár or other head officers.
10. Besides the rates on ploughs already specified each kulkarni realizes directly from the rayats 3 páylis of grain and 4 annas cash on every twobullock plough, 6 paylis and 8 annas on every four-bullock plough, and one rupee and 12 páylis on every eight-bullock plough.
11. Twenty to forty acres go to a plough, but the land is never measured, and from first to last nothing is certain in this system save the supremacy of the kulkarni.
12. The third system prevailing is called the "Nakt Chal." A round Third system. sum is fixed on the head of each rayat by the kul. karni and pátil, but the latter officer takes a very secondary place in all these arrangements. The rayats' powers, bullocks, partner's family, are said to be the influences which combine to fix this assessment. But here as in the "Autbandi" system the assessors give most various accounts of their modes of assessment. These round sums are annually altered; on the loss of $a$ son of a partner or of a bullock, they fall; when a man's cultivation increases, or his condition improves, they rise. No definition of land takes
place, and neither rates nor records exist, save the rayats' name and the round sum he yearly pays. The system admits of no test whatever, and none has ever been attempted.
13. In these "Nakt Chal" villages the kulkarnis levy directly from the rayats half-anna in cash and one ser of grain on every rupee of assessment, but this and all similar levies vary occasionally.
14. The fourth system is the Hill or Dalli assessment and obtains in Fourth system. nearly all the Dang villages under different forms. The rates on this land are twelve in number. Two, three and four rates exist in a village : the kulkarni fixes these several rates. The rayats' means and powers are looked to : a single man pays annas 8, a married man one rupee and so on, but there is no perfectly uniform rule of procedure. The kulkarnis levy directly from the rayats $1 \frac{1}{2}$ páylis of grain and two annas in cash on each Dalli.
15. Irregularity and uncertainty pervade the above systems, and the whole tendency of the second, third and fourth is to tax and check industry and labour instead of holding out inducement thereto. The rates are not heavy, yet with the exception of the kulkarnis none of the cultivators appear to be in easy circumstances.
16. The settlement of the Ankola Dáng now under report has consisted in a minute and accurate survey, classification and assessment, field by field, of all the superior soils, whether rice, garden or jirait: while the inferior and oystem described. hilly lands which do not admit of field measurements are leased in a lump to the inhabitants of each village, each individual having his own holding and dues defined and recorded in a separate lease which is signed and given at the promulgation of the rates. A copy of the lease given to each village is herewith submitted, vide Appendix C : it sufficiently explains the leasing system which is only had recourse to where field measurements are impracticable or uncalled for:
17. The survey, field by field, has been conducted on the same principles as our Desh surveys : field boundary marks being composed of stone and earth, village and district maps and all documents are prepared as in other surveys.
18. Field measurements are always to be preferred to any leasing system in which land is given en masse to a number of rayats: but the poverty and smallness of the Dang villages of Ankola, the scantiness of the population, the rugged, mountainous, and jungly nature of the country, all combine to make field measurements throughout highly unadvisable at present. Where the leasing system has been some time in force, it has more or less paved the way for field measurements.
19. The new system above described having been completed in the Nagar Dáng, I have the honour to forward a statement marked A in the appendix, showing the amount of work performed in the field from November to June, and the total expense incurred from 1st October 1847 to the ed Amount of work porformcost thereof.

31st July 1848. It also shows the aid afforded by the ordinary district establishment.
21. It will be seen from this statement that the survey of the Ankola Dángs for the season under report has cost about 3 pies per acre, being about Rs. $16 \frac{1}{2}$ per cent. on last year's realizations on the old rates inclusive of parbhára haks and sale of kurans and waste arable lands. No portion of my pay is included in the above, as I draw the pay and perform the duties of First Assistant Collector and Magistrate, and should equally do so were I unconnected with this survey. The entire cost of the survey, viz. Rs. 5,142, only exceeds the average annual remissions on the old rates, viz. Rs. 4,846-6-0 by Rs. 295.
22. The average size of the rice fields, as lately measured in Ankola, is Division into sarvey fields. twelve gunthas: that of the jirdit fields, seven acres. The division into the new survey fields has
been made in almost exact accordance with existing tenures and holdings, and with due regard to the modes of cultivation, and the means of the people. I asked each village when assembled before me to point any deviation from this, any infringement of rights or tenures, or any field that appeared to them inconveniently large or small, and that steps should be taken accordingly. They without exception stated that they were satisfied with the survey fields.
23. Boundary marks similar to those of the Desh survey have been constructed around all jirait fields. The outer crust of
Field Boundary Marks. these boundary marks is generally of stone, the interior is filled in with earth; this is necessary owing to the heavy rains in the Dangs. Most of these boundaries have been raised by the villagers, Rs. 51-9-0 only having been expended by this department, and this sum is recoverable. Rice lands being already strongly embanked and naturally defined, stones alone have been placed around them. During this and the preceding year 109 village boundary disputes have been settled in the Desh and Dang of Ankola by Pancháyat, chiefly through the exertions of the Mámlatdár. Thirteen bordering with adjoining zillas remain to be settled.
24. The result of the year's test in measurements gives an average percentage error of 1.88 in rice land: and of 1.76 in jiráit land measurements. A ten per cent. test of all measurement was taken by Native testers and a ten per cent. test of their work was taken by Mr. Hexton.
25. The average percentage error* in the classification of rice land is $1 \cdot 16$ and the average percentage error in the jirait classification is $4: 59$. The maximum error detected in the rice land classification was 28 per cent. and in the jirait 13 per cent. A ten per cent. European test was taken by Mr. Hexton of all classification. I took a test varying from 5 to 20 per cent. in 16 of the 110 villages, and found the work as well done as its nature and the Agency employed admit.
26. The circumference or outline of each village has also been carefully

Village and Táluka maps. measured by the Theodolite, its area ascertained and a correct map of each village formed thereon. These several village maps have again been reduced into a complete taluka map which I have the honour to submit in a separate case for inspection. I have no mapper in my establishment; the map now submitted is drawn by Mr. Hexton, the printing is by my writer (who has done nearly all the mapping work in this survey); the appearance of the map must, therefore, necessarily be inferior to what it would be if drawn by a practised hand. The outline however of each village having been most precisely measured by the Theodolite, I believe I may say that what the map wants in appearance its accuracy atones for.
27. Before entering on the consideration of the rates to be imposed on the

General statistics of the Dang.
basis of the survey operations above described, it will be necessary to give the general statistics of the district under report, and on this point I called upon Mr. Hexton for a report, which I have the honour to forward.
28. The matter may be briefly summed up thus: the hill district under report forms the most western portion of the Ahmednagar Division, it is composed of ghats, hills, ravines and nällas, level land is rare, it contains the two highest mountains in the Deccan, Kalsai and Harishchandragad. The soil is poor, rain is plentiful, torrents numerous and destructive, so much so, that jirait land is frequently embanked like rice land to prevent the soil being washed away. The chief products are rice, khurásni, nagli and bájri. The two first only are exported, the former in the inner Deccan, the latter to the coast for oil. The inhabitants with the exception of the

[^2]
kulkarnis are poor : there are about 55 souls to the square mile and 5 cultivators to one non-cultivator. There are only two weekly markets : the exports consist of rice, khurisni, ghee and a few cattle : the imports, of common cotton stuffs, sugar, salt and the most ordinary necessaries of life. Four weavers make turbans and a few shepherds Kámblis, but to this the manufactures of the district are limited. Interest is high, or in other words, the borrowers are poor and the risks of the lender great.
29. The adjoined map shows the nature and position of the district and the roads and bullock tracksin it. There is only one cart-road; it crosses the extreme eastern corner of thẹ tálukas, but as it descends the Ghát into the Sangamner Táluka by the bed of a precipitous nalla which requires annual clearing before a cart can pass. I am perhaps scarcely warranted in calling this a cart-road, but it is the nearest approach to one in the Dang. Owing to this absence of roads, the stagnation of trade and manufactures, there is nothing whatever to relieve the pressure of the people upon one single and insufficient resource, the soil ; and this evil, under which all India suffers, is doubly in force here.
30. The advantages of the Dang rayats consist in never-failing rain, abundance of grass, and wood for building and all domestic purposes; the entire lands of their village are now given up to them, so that the more they extend cultivation the less they pay. Cattle from the interior when fodder fails come to pasture in the Dángs. The disadvantages are-bad climate, additional labour entailed by rice cultivation, and by the necessity under which they lie of clearing new jirait land every three or four years; fires are frequent; they have no village walls or other private means of protection against robbers than that afforded by black mail. In the matter of "additional labour" however, I speak only comparatively. No cultivators on the globe, I suppose, labour less as a body than the Indian rayats ; hard work is scarcely to be seen, while crops half-choked with weeds bespeak constant negligence; the remission system, which unfortunately cannot always be got rid of, is a premium on bad tillage and laziness.
31. The principal castes in the Dáng are the Coolies numbering about 12,250, the Kunbis 5,545 , the Vanjaris 621, the Thákors 1,160, the Kánaras 442, besides 5,518 souls belonging to miscellaneous castes, making a total of 25,536 souls. The Coolies are a careless, thoughtless, and improvident race, generally in debt and of plundering habits, and whenever the gháts are disturbed by gang robbers, the Ankola 1ángs supply their full quota, and afford the 'gangs strong and choice retreats against the Police. Ragho Bhángra and his equally notorious father Rámji Bhángra were both inhabitants of the Ankola Dángs. The Kunbis are a better disposed race and more industrious. The Thákors and Kánaras are remarkably well behaved and are rarely to be seen in our Courts either as witnesses, prisoners, or defaulters. The Thákors, though poor, are rarely or never in debt. The Kanaras, a shepherd tribe, are as seldom in debt, and are generally in easy circumstances.

## Ukti Ratrs.

32. The new Ukti rates for the 110 Dang villages under report are exhibited in four statements in Appendix B and therein contrasted with the average of past realizations during various periods. The 110 villages are grouped into three classes : the first class contains 44 villages border-

Ukti rates or ronnd sums fixed on the leased lands of each village. ing on the champaign country and consequently of a mixed nature, partly Desh and partly Dang. The rice, jiráit, and garden lands of these villages have, as far as they admitted of it, been measured and classified, field by field, the unmeasurable lands being alone leased out for five years. The second class contains the mid Dang villages, 33 in number. Their rice lands alone have been measured and classified, field by field, their entire jirait * lands being leased out to the villagers for five years. The third class are composed of the extreme Dáng villages, 33 in number; they lie chiefly on the crest of the Ghats and admit of nothing beyond rice land measurement ; their jirait lands are, therefore, leased out in the lump for five years.

[^3]33. In determining the round sum payable by each village $I$ have been guided by the average of past payments, the nature and extent of the soils leased out, the condition, state, and number of contracting parties, and by all the general items of information that can be brought to bear upon the subject. The rates now submitted for sanction entail, compared with the average of 29 years' past collections, no loss to Government, and I believe they hold out sufficient profit to the lessees. On the expiration of the first five years' leases, these Ukti rates will admit of an increase varying according to the circumstances of each village from 5 to 35 per cent.
34. The value per acre of the gross produce of these leased lands varies from Rs. 3 to Rs. 6 ; about 10 per cent. of this goes to the Ballutedars, and the average demand of Government per acre by the rates now submitted for sanction will be about $3 \frac{1}{2}$ annas per acre.
35. On the Dalli lands which are tilled by the koyta or bill, I have fixed rates varying from 8 annas to Re. 1 per Dalli or koyta according to the nature and description of the land.

## Rice Rates.

36. The rice lands of Ankola differ from those in the Násik Division and are very inferior to those of Kownai ; the superior sorts of rice which are common in the latter are not grown in the former; the medium and inferior rices being alone cultivated. The old rice rate in Kownai was Rs. 8 per acre, that of Ankola never appears to have exceeded Rs. 2 and generally to have fallen short of that amount. This change in the land and its produce made a slight change of system and rates necessary ; the rice soils were arranged into classes with rates as follows :-

37. The gross profit on an acre of rice land appears, from various enquiries and inspections of produce, to average under favourable circumstances Rs. 10, the ordinary extremes being Rs. 5 and Rs. 20. The expense of tillage is considerable, being usually reckoned at one half of the gross produce. The result of the rates here proposed is given in Appendix B. for each village, and the new average rate per acre is Rs. 1-6-5. This is the highest rate I can venture to propose, and moderate as these and all proposed rates are, they will entail in individual cases, and in a few villages, an increase on the old rates. The average new rice rate in Kownai was Rs. 2-11-6, that of Wandindori Rs. 1-3-43.

## Jirátr Land and its Ratrs.

38. As already stated the superior jirait lands, where practicable, have been measured into separate fields, and not leased out as in the case of the unmeasurable jiráit lands. The gross produce per acre of such lands varies from Rs. 3 to Rs. 15 ; the cost of tillage is about $\frac{1}{2}$ thereof. The maximum rate proposed for these lands is 18 annas, the minimum 4 annas; these rates are proportionately lowered throughout the nine classes into which these soils have been arranged according to their relative values as determined by the classification as follows:-


These rates will yield an average rate per acre throughout the district of 6 annas and 10 pies,

MAGRAM aihibilent theannual anount of LAND ASSESSSMENT REMISSY/(NS and actual COILLECT1ONS in 10 Nang tillages of the -INKOLA District sinco it cume into the passasion of the Honorable Company ar contrasted wuth the Maxionum. Assesment under the New Rates.


## Garden Land and hits Rates.

39. The entire garden land in the 110 villages under report amounts only to 216 acres; it has been measured and classified in the manner followed in all the surveys.

The proposed rates are as follows :-

| - Patasthal (12 classes) |  |  |  | Rs. | Rs. |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Motasthal (5 classes) | $\cdots$ | $\cdots$ | $\ldots$ | $7 \frac{1}{2}$ | $2 \frac{1}{2}$ |
|  | $\cdots$ | $\cdots$ | $8 \frac{1}{2}$ | $1 \frac{1}{2}$ |  |

The average rate per acre for Pátasthal on the proposed rates is Rs. 2-11-1, for Motasthal Rs. 2-7-8. These rates are eight annas lower than the Bágayat rates sanctioned in the Deth Survey, and this reduction is fully called for in the Ankola Dáng.

## Entire Financial Change consequent on the Rates now proposed.

40. The adjoined diagram exhibits the annual fiscal state of the 110 Dáng villages under report during 29 years, that is from A.D. 1818-19 to 1846-47, and shows the prospective result of the rates now proposed. The following statement presents a similar contrast of the old and new rates in another form, and Appendix B. shows the same in detail for every village :-

| Namber of Villages. | Rrsult of old ratrs. |  |  |  | Rradut of nbw Ratrg. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average of 15 years' actual reali4. D. 1818 <br> A. D. 1818-19 1832-33. | Average of 14 years' actual realizations, i. e. from A. D. 1833.34 to $4 . D$ 1846-47. | Average of 29 years actual realifrom A. $D$ 1819 to 1846-47. | Last year's (b.e., ${ }^{\text {and. }}$ 1847-48) actual realization on the old Retes. | Probable realizations in $1848-49$ on the new rates if sanctioned. | The new maximum assensmen as per Survey. |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 110. | $\begin{gathered} \text { Rs. } \\ 20,926 \end{gathered}$ | $\begin{gathered} \text { Rs. } \\ 23,690 \end{gathered}$ | $\begin{gathered} \text { Rs. } \\ 22,299 \end{gathered}$ | $\begin{gathered} \text { Rs. } \\ 28,115 \end{gathered}$ | $\begin{gathered} \text { Rs. } \\ 23,864 \end{gathered}$ | Rs. $27,480$ |

The entire new Kamal exceeds the average of 29 years' realizations by Rs. 5,181 or 23 per cent. The probable realizations (Column 6) in 1848-49 on the new rates will fall short of last year's realizations on the old rates by Rs. 4,251 or 15 per cent. The new maximum assessment as per survey will be shortly realized, and, on the expiration of the 5 years' leases, will admit of some increase.
42. The average of past remissions during 29 years is Rs. 4,846-6-0 or $21 \cdot 5$ per cent. on the average past realizations for the same 29 years. Under the new rates there will, I confidently anticipate, be no call for remissions except in the event of some general and total dearth. I anticipate this because when rain falls nowhere else it falls in the Ghats, and thus years of failure are favourable to the Dang inhabitants, because prices are then high; it is not in the memory of man, nor I believe in history, that the Dáng crops have wholly failed from drought. From 1841 up to the present time no remissions have been granted in this zilla in any village after it was brought under the operation of the Dáng surveys; at least such was the case when I left Nasik in July 1847, and it is not likely that in so favourable a season as the last the Sub-Collector would have given any, but as there is a strong vitality in the remission system, which Native officials and rayats are bent on fostering, and as the change of European

[^4]officials often renders them ignorant of the state of the district, I have little hope that remissions will long be kept under, even in the Dáng, unless expressly prohibited in this zilla, save under special sanction.

## 43. In the above statement neither Parbhára Haks, the average amount of which for the last five years is Rs. 2,515-2-1, nor

 sale of waste land, the average amount of which is Rs. 472-7-8, are included as noticed in the sequel ; these Parbhára Haks should, I think, be included in the new rates, the direct levy thereof by the Hakdárs from the rayats being stopped, and the sale of waste lands will not take place to any considerable extent under the new system. The total deduction therefore on these heads becomes Rs. 2,987-9-9. This sum added to the average of 29 years' realizations (Column 4) gives Rs. 25,286 as the total average realizations, direct and indirect, on the old rates; this sum is less than the new maximum assessment (Column 7, Rs. 27,480) by Rs. 2,194 or 8.5 per cent. The first year's probable realizations on the new rates will fall short of last year's realizations, direct and indirect, by Rs. 7,238 or 23 per cent. T'wenty-three per cent. is consequently the actual amount of immediate relief given by the new rates. In the Sub-Collectorate of Násik the immediate relief given was 31 per cent: it is less in Ankola because the old rates there were much lower than those of Násik.44. The old kamál or maximum assessment in the Dángs has never been ascertained, and I therefore deal solely with the averages of past collections during various periods in contrasting the result of the old and new rates. I have

Old and new rates contrasted. in vain endeavoured to ascertain with some degree of accuracy what the old rates in Ankola have been; but as no measurement of the arable lands has ever taken place, it is impossible to ascertain the rate per acre. Even in the Begawni villages there is no true record of them, and had several holdings been measured and their assessment divided by the number of acres, this would only give the general average rate, and would be no clue whatever to the amount falling on the rice, bágait, black or mal lands comprised in the holding; and were the old rates ascertainable in some or even many instances, they would form no guide for the whole, for not only has assessment varied in every village but with every individual.
45. From what I have been able to glean from various sources I am inclined to believe that the old rates have been pretty much as follows :-

$$
\begin{array}{lc}
\text { Old rice rates vary from Re. } 1 \text { to } & \text { New average rice rate per acre Rs. 1-6-5. } \\
\text { Rs. 2, average rate Rs. If per } & \\
\text { acre probably. } & \\
\text { Old jirát rates vary from } 2 & \text { New average jirait rate per acre } \\
\text { annas to 1 rupee. 14 annas, } & \text { Re. 0-6-10, new average rate } \\
\text { average rate probably annas } & \text { on leased lands Re. } 0-3-6 \text { per acre. } \\
7 \text { per acre. } & \\
\text { Probable sverage old bagayat rate } & \text { New average bagáyat rate } \\
\text { Rs. 3 per acre. } & \text { Rs. 2-8-11 per acre. } \\
\text { Old Dallee rates vary from Rs. } 2 & \text { New average Dalli rate } 9 \text { annas } \\
\text { to } 1 \text { anna per Dallee. } & 11 \text { pies per Dalli. }
\end{array}
$$

## Parbhára Haks.

46. I have already enumerated some of the many levies made directly by the kulkarnis (many of whom are Deshpándes also) from the rayats. These levies are numerous, irksome, and irregular, and afford the kulkarnis and Deshpándes certain and easy means for undue exactions. They, and all the levies set forth in Column 5 of the adjoined statement, which are in excess of the fixed rates, should, I am respectfully of opinion, be paid in future from the Government assessment and not as heretofore in excess of it.

Statement showing the average direct and indirect emoluments of the several hereditary officers in the Ankola Dángs accompanies. These amounts are the average realizations of the last 5 years, i. e. from 1843-44 to 1847-48.

$$
\begin{array}{r}
X 723.23111 A \\
B 8 \\
73064
\end{array}
$$



I, therefore, beg respectfully to solicit sanction for the prohibition of the above extra levies amounting to Rs. 2,515-2-1, the amount in future being paid from the ordinary Government revenues instead of, as heretofore, levied in excess of them, the several sums being tested by the Daftardár and fixed in the Collector's office previous to payment.

## Kists of Revenue Instalments.

47. At present the revenue instalments in the Dángs of Ankola are as follows:-

> December 6 annas.
> January 6 annas.
> February 4 annas.

But in December the crops are not ready for the market, and consequently that instalment is frequently borrowed at high interest from the Vánis. In January the rice is ready, and it is mainly from this source that the Government revenue is paid by the rayats. I beg, therefore, respectfully to propose the following instalments which are fixed according to the wishes of the rayats, the markets and periods of threshing and sale : -

| January ... | ... | ... | ... As. 6 |
| :---: | :---: | :---: | :---: |
| February ... | ... | ... | " 6 |
| March ... | ... | ... | ... |

48. I have now brought my report on the Dangs of Ankola to a close, General points. but I am obliged to trespass further on your time with some remarks on the Dáng survey generally. The five years' leases of jirait were sanctioned in the first instance in the Kownai Táluka because the lands did not then admit of being measured into separate fields, and on the expiration of the leases the better soils being the black lands were to be measured and assessed in separate fields, and the poorer and unmeasurable lands alone leased out afresh. This has been done as the leases expired, and in the season of 1846-47 the only remaining 24,018 acres of black land in 80 villages of the Kownai Taluka were thus measured and classified in anticipation of the expiration of the leases. The average percentage error as ascertained by the test was acres 4-21-0 in measurements and Rs. 1-6-4 in classification. Duplicate copies of all survey documents were made out and
delivered to the Mámlatdár. The average actual realizations during the last five years on the black lands of these 80 villages is Rs. 13,993-12-0. Their assessment under the new rates already sanctioned for the taluka is Rs. 14,796-4-4. The immediate increase of revenue on these lands which are all under cultivation therefore is 5.73 per cent. In the same year the outlines of 153 villages of the Chándor Táluka were measured with the prismatic compass. The above work has been already reported upon in my letters noted in the margin.

Late Acting Sub-Collector to Collector, No. 34, dated 2nd October 1847, paras, 19 and 22. Acting Sub-Collector of Násik to Acting Collector of Nagar, No. 2, dated 16th February 1847.
49. The Sub-Collector is fully aware that leases are occasionally expiring and has no doubt taken steps for their renewal. There is, however, a question connected with the future renewal of the five years' leases which requires consideration.

Renewal of the five years'
leases. It is-are these leases to be simply renewed without change, or are they to be given de novo?
50. On this point a specific order seems to me necessary, so that the different, local officers to whose lot it may from time to time fall to renew the leases, may have same guide on the subject.
51. I am respectfully of opinion that a mere renewal of the first leases will not suffice; every year brings its changes with it, and every five years must bring many and great changes, so that the original leases become more and more inapplicable to the village. The Ukti rates given in the first instance were necessarily very low; under them cultivation has greatly extended, many absent villagers have returned to their lands, and many new cultivators have joined. These and other facts would enable the settling officer to raise the Ukti rates in almost every village in renewing the leases for the second time, and this increase of revenue is fairly due to Government, and should not I think be lost. This is more particularly the case as regards the second lease, for the first lease was given with strict reference to the then state of each village, and during the first lease of five years changes are necessarily greater than they can be afterwards, when the people have settled down and accommodated themselves to the new state of things. In the six villages whose expired leases I renewed as reported on in my letter noted

Acting Sub-Collector of Nasik to Acting Collector of Nagar, No. 624, dated 12th October 1846. in the margin, the increase made in the Ukti rates amounted to 20 per cent. In like manner most villages will on the expiry of the first lease admit of an increase varying according to the several circumstances from 3 to 35 per cent.
52. I am therefore respectfully of opinion that the leases should be renewed de novo in every village, and the Ukti rates fixed on enquiries similar to those made in the first instance. . After one or two such renewals de novo, the leases will assume an almost permanent form, and then a simple renewal without or with scarcely any change will possibly suffice. Should Government contemplate at any time to enfore clause 9 of the lease, the same can easily be done in all villages bordering on the champaign country, or partaking of its nature. In the villages more immediately on the gháts I doubt the possibility or advisability of such a measure.
53. Before closing

Final revision of field boundary marks.
all connection with the Ding survey I am most anxious to depute Mr. Hexton for six weeks or so, to the Dángs of Kownair and Wandindori, in order that he may give the boundary marks there a final and thorough overhauling.

In the Dangs these marks are liable to be washed away by rain and torrents, and when they were erected, our system of procedure was not so strict and perfect as now. It is of the greatest consequence that this work should be perfected. I respectfully hope therefore that Government will depute Mr. Hexton to the Sub-Collectorate, so soon as he shall have finished the preparation of the Ankola records, with a view to finally inspecting and repairing all the boundary marks in the Dángs. I believe it to be to no purpose ordering Mámlatdárs and
deputing Deshmukhs and others to this duty; they are not aware of what is required ; they cannot correct errors or supply omissions, and cannot even when willing perfect the work and serve under European supervision; they make but little effort towards this end.
54. In March Mr. Hexton would be prepared to proceed there: and the rayats are then at leisure: about six weeks would suffice for the entire work, and so small a portion of time could not be more profitably employed. If Goverument sanction this arrangement, I hope the Sub-Collector will be requested to place the Deshmuks of Kownai and Dindori and if necessary other officers at Mr. Hexton's disposal, and to give him all requisite aid, as Mr. Hexton's success must entirely depend on the support and aid he receives from the local authority.
55. There is one peculiar feature in rice land which calls for some remark I mean the tendency of rice beds to enlarge. There

Tendency of rice beds to enlarge. are usually stone or earth embankments at top and bottom of these beds, but the industry of the rayat may greatly extend them to the right and left, this extension being limited only by the natural formation of the bed, and sometimes, though rarely, by the prosimity of a neighbour's field. As this extension is constantly going on, a remeasurement of these lands will be necessary on the expiry of the rice rates which were sanctioned for 30 years. Meanwhile the rayats justly reap the fruit of these extensions in the same way as the cultivators in the champaign country, who turn dry-crop into garden land, have the benefit thereof during the 30 years' lease. Every encouragement should be held out to such extensions. Native officials are too apt to check them.
56. Having now brought the Dáng survey to a close, both in the principal and sub-diwision, I may briefly state the amount of work done and the time and money expended, and first as regards the sub-division, Mr. Goldsmid

Entire time, work and expense of Dáng Survey. left Násik in March 1841, baving just then framed an experimental plan which was with the sanction of Government to be applied to the hill districts. The plan was barely completed up to the day of his departure, and it had still to be reported on to Government, which was done in April 1841. Government sanction to its introduction bears date 10th March 1842, No. 409. If then we date as far back as possible, that is, from the time that the plan to be pursued was first struck out, viz. March 1841, and deduct the monsoon* months when no work can be done, and when survey officers were disbanded, a small office establisnment being alone kept up, we have $2 \frac{1}{2}$ years as the period occupied from first to last in the field operations of the Dángs of Kownai Wandindori, and Násik. But this is still somewhat above the mark; the survey then proceeded slowly, the Mámlatdar's Kárkúns 11 in number being almost the only agents and having all their district duties besides. Serjeant Hexton with a small extra survey establishment commenced work in December 1843, and this, deducting the monsoon months when the survey establishment was always disbanded, gives up to the date of completion, viz. January 1847, 22 montbs as the period of time during which a bona fide survey establishment was employed in the revision of the hill portion of the Násik Sub-Collectorate. The entire amount of work performed in the above period is as follows :- 332 acres of bágait, 18,674 acres of rice land, and 93,676 acres of jirait have been measured with the chain and cross staff, classified, nuapped, and assessed, in separate fields ; 4,85,765. acres of mál and barren land were measured with the prismatic compass, thus making the total number of acres measured $5,98,447$. The boundaries of all Dáng villages, 302 in number, have been carefully surveyed and mapped, 164 boundary disputes were settled, and about 500 doubtful Inams. The entire bond fide expense of the Dang survey in Násik, including Mr. Hexton's pay and that of the Native establishment, as well as all contingent expenses, is Rs: 19,464 , nineteen thousand four hundred and sixty-four. Of this sum a considerable portion was expended in surveying instruments which are still available. The cost per acre is 6 pies.

[^5]57. Add to the above the time and money spent in the Ankola Dángs as exhibited in paragraphs 20 and 21 above, and we have 28 months as the entire period of time (inclusive of monsoon months) during which a bond fide survey establishment was employed in the survey and revision of assessment of the entire hill portion of the principal and sub-divisions of the Nagar Zilla-and Rs. 24,606 as the entire cost from first to last, including Mr. Hexton's pay, and that of all agents as well as all contingent expenses. Acres 891,814 having been measured, the expense per acre is $5 \frac{2}{4}$ pies.
58. The average annual remissions under the old rates (calculated from A. D. 1818-19 up to the introduction of the new rates)

Cost of survey compared with former remissions, throughout the extent of country brought under the Dáng survey, is Rs. 14,044-5-0. The total cost of the Dáng survey from its commencement up to the 31st July 1848 is Rs. 24,606, that is, the total cost of the introduction of the new rates falls slightly short of the remissions of every 21 months under the old rates. I believe I am justified in saying that remissions in the Dáng are abolished under the new rates (vide paragraph 42 above). Since 1841 up to the present time no remissions have to the best of my knowledge been granted in any village brought under the operation of the Dang survey. The remissions exhibited to late years in our jamábandi reports pertain to the Mahárs Hudowla, and are not strictly remissions, being merely the difference between the just demand for the year and the Hudowla Kamál.
59. With every wish to avoid high colouring, I think I may say that had the Dáng survey only helped to abolish remissions, its expense would not have been thrown away. But the new maximum survey assessment being considerbly in excess of past realizations on the old rates, there is, I may add, a certainty of an early and permanent increase of revente under the new rates.
60. A reference to the large map which accompanies this report will

New boundary line proposed between Junnar and Ankola. show how imperfect is the present boundary line between the Ankola and Junnar Tálukas; several of the Bráhmanwádi villages are actually in the Ankola Táluka, while some Ankola villages stand isolated in the Bráhmanwádi Petha, a sub-division of the Junnar Táluka. The following transfer of villages would give us a natural and correct boundary :-

Ankola. villages to be transferred to the
Bráhmanwádi Petha of the Junnar Tálka.
1 Keli.
2 Esurtad.
3 Ketewári.
4 Pulsundeh.
5 Phopsundi.
6 Kurkundi.
7 Muswandi.
8 Ambe Dumála
9 Jámbul Khurd.
10 Jámbul Budruk.

Junnar villages to be transferred to the Ánkola Táluka.
1 Loháli.
2 Salwandi.
3 Ambhol.
4 Lingdeo.
5 Chass.
6 Munayleh.
7 Savargaon.
8 Jávleh Bubeshvar.
9 Kotek Budruk.
10 Koteh Dumála.
61. Should the proposed transfer tabe place it will give me ten additional villages to survey, and I do not know how the revision just made in the ten Ankola villages, which would thus betransferred to Junnar, would assimilate with the measures of revision in progress there. The present irregular boundary has its origin in the distribution of villages among the zamindárs.
62. In conclusion, I would respectfully beg as early a reply as possible to this report in order to save the Dáng rayats the great disappointment experienced this year by those in the champaign portion of Ankola, who were led fully to expect the introduction of the new rates while the necessary sanction was not obtained till it was too late to act upon it.

I have, \&c.,
(Signed) C. E. F. TYTLER, Superintendent, Dáng Survey, First Assistant Collector.
Sirûr, 22nd August 1848.

## APPENDIX $B$.

## Statemgnt No. 1.

Statement contrasting the Old and New Assessment in 110 Dáng Villages of the Akola Táluka in the Ahmednagar Zilla.


[^6]Sirúr, 22nd August 1848.
(Signed) C. E. F. TYTLER, First Assistant Collector, Southern Division Survey.


Sirúr, Superintendent Dáng ?evenue Survey's Qice,
－continued．
o． 2.
e First Class Villages of the Akola Dáng．

Hs of the new maxmide Assmsirent．

| nd． |  | Garden Land． |  |  | Dry－crop． |  |  | Leased landm |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Rs． | Rs．a．p． |  | Rs | Rs．e．p． |  | Rs． | Rs．a．p． |  | Rs．a p． |  | Rs． |
| 19 | 1118 | 149 | 389 | 296 | 2，886 | 1，953 | 0109 |  |  |  |  |
| 59 | $\begin{array}{lll}1 & 15 & 8\end{array}$ |  |  |  | 1，010 | 551 | 088 | 181 | $0 \longdiv { 5 } 0$ | $\ldots$ | 41 |
| 102 | 190 | 63 | 158 | 2711 | 1，174 | 619 | $\begin{array}{lll}0 & 8 & 5\end{array}$ | 39 | 020 | 8 | 10 |
| 4 | 1118 |  | ．．． | ．．． | 249 | 240 | $\begin{array}{lll}0 & 15 & 5\end{array}$ | 264 | 020 | 4 | 36 |
| 2 | 245 |  | ．．． | ．．． | 758 | 421 | $\begin{array}{llll}0 & 8 & 10\end{array}$ | 32 | 0 | $\cdots$ | 4 |
|  |  | ．．． | ．．． | ．．． | 1.196 | 500 | $\begin{array}{lll}0 & 6 & 8\end{array}$ | 2 | 020 | 4 | 8 |
| ．．． | ．． | ．．． | ．．． | ．．． | 756 | 303 | $\begin{array}{lll}0 & 6 & 5 \\ 0 & 6 & 7\end{array}$ | 5 | 020 | 3 | 2 |
| ．．． |  | ．．． | ．．． | ．．． | 1，736 | 717 | $\begin{array}{llll}0 & 6 & 7\end{array}$ | 24 | 020 | ．．． | 3 |
| $\cdots$ |  | ．．． | ．．． | ．．． | 634 | 234 | 0 0 5111 | 113 | 020 |  | 14 |
| 36 | 1150 | ．．． | ．．． | ．．． | 517 | 300 | $\begin{array}{lll}0 & 9 & 3\end{array}$ | 150 | 020 | ．．． | 18 |
| 160 | 1110 | $\cdots$ | $\ldots$ | ．．． | 987 | 339 | $\begin{array}{lll}0 & 5 & 6 \\ 0 & 5 & 6\end{array}$ | 135 | 010 | ．．． | 8 |
|  | 1 1 | 3 |  |  | 394 | －210 | $\begin{array}{lll}0 & 8 & 6 \\ 0 & 5 & 6\end{array}$ |  |  | $\ldots$ |  |
| 86 | $\begin{array}{llll}1 & 1 & 1\end{array}$ | 3 | 6 | 200 | 1,622 1,586 | 557 743 | $\begin{array}{lll}0 & 5 & 6 \\ 0 & 7 & 6\end{array}$ | 369 | $\begin{array}{lll}0 & 1 & 6\end{array}$ | ．．． | 34 |
| 20 9 | $\begin{array}{rrrr}1 & 12 & 2 \\ 1 & 4 & 11\end{array}$ |  | $\cdots$ | ．．． | 1,586 729 | 743 <br> 368 | $\begin{array}{lll}0 & 7 & 6 \\ 0 & 8 & 1\end{array}$ | $\cdots 29$ | $0 \begin{array}{lll}0 & \cdots & 0\end{array}$ | $\cdots$ | 7 |
| 9 66 | $\begin{array}{llr}1 & 4 & 11 \\ 1 & 6 & 7\end{array}$ | $\cdots$ | $\cdots$ | －． | 729 741 | 368 <br> 231 | $\begin{array}{lll}0 & 8 & 1 \\ 0 & 5 & 0\end{array}$ | 29 203 | $\begin{array}{lll}0 & 3 & 0 \\ 0 & 1 & 0\end{array}$ | 2 | 12 |
| 66 84 | $\begin{array}{lll}1 & 6 & 7 \\ 1 & 6 & 7 \\ 1 & 2 & 6\end{array}$ | $\cdots$ | $\cdots$ | ．． | 493 | 179 | 0 | 332 | 0 | － | 21 |
| 29 | 1334 | $\ldots$ | $\ldots$ | ．．． | 438 | 148 | 055 | 180 | 010 |  | 11 |
| 17 | 174 | $\ldots$ | ．．． | ．．． | 683 | 387 | $\begin{array}{lll}0 & 9 & 1\end{array}$ | 134 | 0 20 |  | 16 |
| 163 | 1011 |  | ．．． | ．．． | 3，150 | 656 | $\begin{array}{lll}0 & 3 & 4\end{array}$ | 40 | 010 |  | 2 |
| 45 | $\begin{array}{llll}1 & 4 & 9\end{array}$ | $\ldots$ | ．．． | ．．． | 835 | 326 | $\begin{array}{llll}0 & 6 & 2\end{array}$ | 415 | 0 2 20 | ．．． | 51 |
| 36 | $1 \begin{array}{lll}1 & 2\end{array}$ | ．．． | ．．． | ．．． | 385 | 118 | 00411 | 123 | $0 \begin{array}{lll}0 & 1 & 0\end{array}$ | ．．． | 7 |
| ．．． | ．．． | $\ldots$ | ．．． | ．．． | 3，094 | 1，128 | $\begin{array}{lll}0 & 5 & 9\end{array}$ | 163 | 0 0 30 | ．．． | 30 |
| ．．． | ．．． | $\cdots$ | ．．． | $\cdots$ | 383 | 217 | $\begin{array}{lll}0 & 9 & 1\end{array}$ | 120 | $0 \cdot 20$ | ．．． | 15 |
| $\cdots$ | $\cdots$ | $\cdots$ | $\cdots$ | ．．． | 624 | 261 | $\begin{array}{lll}0 & 6 & 8 \\ 0 & 8 & 8\end{array}$ |  |  | $\ldots$ |  |
| $\cdots$ | ．．． | $\cdots$ | $\cdots$ | ．．． | 690 1,424 | 377 <br> 556 | $\begin{array}{lll}0 & 8 & 8 \\ 0 & 6 & 3\end{array}$ | 315 70 | $\begin{array}{lll}0 & 2 & 0 \\ 0 & 1 & 0\end{array}$ | ．．． | 39 4 |
| $\cdots$ | $\cdots$ | $\cdots$ | $\ldots$ | ．．． | 1，429 | 299 | 0 0 66 | 34 | $\begin{array}{lll}0 & 1 & 0 \\ 0 & 3 & 0\end{array}$ | $\cdots$ | 4 |
| 11 | $1 \begin{array}{lll}1 & 7 & 5\end{array}$ | $\ldots$ | $\cdots$ | ．．． | 1，304 | 518 | 064 | 32 | 030 | $\dddot{1}$ | 6 |
| ．．． |  | $\ldots$ | ．．． | ．．． | 1，523 | 491 | $\begin{array}{llll}0 & 5 & 1\end{array}$ | 87 | 010 |  | 5 |
| ．．． | ．．． | ．．． | ．．． | ．．． | 317 | 171 | $\begin{array}{lll}0 & 8 & 7\end{array}$ | 130 | 020 | 5 | 20 |
| ．．． |  | ．．． | ．．． |  | 1，237 | 533 | $\begin{array}{llll}0 & 6 & 10\end{array}$ | 70 | 020 | $\cdots$ | 8 |
|  |  |  | $\ldots$ | ．．． | 153 | 76 | 0711 |  |  | ．． |  |
| 21 | $1 \cdot 76$ | ．．． | $\ldots$ | ．．． | 644 | 278 | $\begin{array}{llll}0 & 6 & 11\end{array}$ | 71 | 0 1 0 | ．．． | 4 |
| 95 | 1411 |  | ．．． | $\ldots$ | 45 | 25 | $\begin{array}{lll}0 & 8 & 10\end{array}$ | 419 | 020 |  | 52 |
| 20 | 156 | ．．． | ．．． | ．． | 262 | 127 | $\begin{array}{lll}0 & 7 & 9\end{array}$ | 241 | 030 |  | 45 |
| 18 | 160 | $\ldots$ | ．．． | ．．． | 174 | 57 | $\begin{array}{lll}0 & 5 & 3\end{array}$ | 344 | 010 |  | 21 |
|  |  |  | ．．． |  | 339 | 151 | $\begin{array}{llll}0 & 7 & 1\end{array}$ | 29 | 0 20 | $\cdots$ | 3 |
| 4 | 161 | $\ldots$ | ．．． | ． | 313 | 163 | $\begin{array}{lll}0 & 8 & 3\end{array}$ | 24 | 040 | ．．． | 6 |
| 52 | 1781 | $\ldots$ | ．．． | ．．． | 72 | 40 | $\begin{array}{lll}0 & 9 & 0\end{array}$ | 282 | 040 | ．．． | 70 |
| 232 | 178 | ．．． | ．．． | ．．． | 208 | 134 | 0103 | 356 | 050 | ． | 111 |
| ．．． |  |  | ．．． |  | 426 | 197 | 07 |  | ．．． | 2 | 1 |
| 1 | 0109 | $\ldots$ | $\ldots$ | $\cdots$ | 296 | 97 | $\begin{array}{llll}0 & 5 & 3\end{array}$ | 76 | 010 | 4 | 7 |
| 129 | 185 | ．．． | ．．． |  | 60 | 49 | 0132 | 1，145 | 020 | 1 | 143 |
| 1，535 | 161 | 216 | 558 | 2811 | 37，296 | 16，066 | 0610 | 6，738 | $\begin{array}{lll}0 & 2 & 1\end{array}$ | 85 | 914 |

（Signed）C．E．F．TYTLER，
Superintendent，Dáng Revenue Survey．

## APPENDIX B．

Statement No． 3.
Statement contrasting the old and new Assessment in the Rnd Class Villages（33）of the Ankola Dáng．

| $\begin{aligned} & \text { 产 } \\ & \text { 兑 } \\ & \text { 号 } \end{aligned}$ | Name of Village． |  |  |  | Result onder old ratres． |  |  |  |  | Result under new ratis． |  | Detains of the new MaximumAssissmbnt． |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Average ofI5 yearsactual reali－2ation，i．e．from A．D．1818 to 1832 |  | Average of 14 years＇ actual reali－ zation，i．e． from A．D． 1833 to 1847 | Average of29 yearsactual reali－zations，i．e．from A．1818 to 1847 ．. | Actualrealizationsfor A．D．$1847-48$,being thelast year＇sSettlementon old rates． | Probableactual rea－lizationsin $1848-49$,being thefirst yearof newrates． | Total new maximum Assess－ ment． | Rice Land． |  |  | Leared Lands． |  |  |  |
|  |  |  |  |  | Total Acres． | Total Assess． ment． |  |  |  |  |  | Average rate per Acre． | Total Acres agreed for by the Lesses． | Probable average rate per Acre． | Number of Dallis agreed for by the Cesseea． | Total Assess． ment on leased Lands． |
| 1 | 2 |  |  |  |  | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 10 | 11 | 12 | 13 | 14 | 15 |
|  |  |  |  |  |  |  |  | Rs． | Re． | Re． | Re． | R． | Rs． |  | Rs， | Rs，a．p． |  | Rs．a．p． |  | Ra |
| 1 | Muweshu ．．． | ．．． | $\cdots$ | $\cdots$ |  | 175 | 180 | 177 | 280 | 231 | 247 | 88 | 132 | 1711 | 306 | 060 |  | 114 |
|  | Terungun ．．． | $\cdots$ | ．．． | ．．． |  | 330 | 314 | 322 | 296 | 284 | 313 | 83 | 139 | 1710 | 465 | $0{ }_{0} 60$ | ．．． | 174 |
| 3 | Malegaon Shilwud | $\cdots$ | $\cdots$ | $\cdots$ |  | 133 <br> 208 | 124 | 129 | 148 259 | 140 | 146 | 44 | $\begin{array}{r}69 \\ \hline 109\end{array}$ | $\begin{array}{llll}1 & 8 & 11\end{array}$ | 483 | $\begin{array}{lll}0 & 2 & 6 \\ 0 & 6 & 0\end{array}$ | ．．． | 77 |
| 5 | Fitwi $\quad .$. | ．．． | ．．． | ．．． |  | 208 | 201 | 153 | 259 | 214 | 236 150 | 71 29 | 109 45 | $\begin{array}{lll}1 & 8 & 6 \\ 1 & 8 & 5\end{array}$ | 340 481 | $\begin{array}{llll}0 & 6 & 0 \\ 0 & 8 & 6\end{array}$ | $\cdots$ | 127 |
| 6 | Ghoti ．．． | $\cdots$ |  | ．．． |  | 154 | 125 | 155 | 163 | 138 | 162 | 65 | 94 | 170 | 725 | $0{ }_{0} 18$ | $\ldots$ | 67 |
| 7 | Munekwurbar | $\ldots$ | $\cdots$ | ．．． | ． | 80 | 65 | 73 | 44 | 59 | 68 | 24 | 34 | 162 | 184 | 030 |  | 34 |
| 8 | Babulvandi | ．．． | ．．． | ．．． |  | 114 | 173 | 144 | 175 | 198 | 204 | 49 | 71 | 170 | 838 | 026 | ${ }^{2}$ | 132 |
| 9 | Chinchwadi．．． | $\ldots$ |  | ．．． |  | 132 | 122 | 127 | 161 | 160 | 190 | 55 | 109 | $\begin{array}{lll}1 & 15 & 6\end{array}$ | 434 | $\begin{array}{lll}0 & 3 & 0\end{array}$ | ．．． | 81 |
| 10 | Wanki | $\cdots$ | $\ldots$ | ．．． |  | 188 | 165 | 176 | 166 | 130 | 144 | 42 | 59 | $\begin{array}{lll}1 & 6 & 5\end{array}$ | 227 | 060 | $\cdots$ | 85 |
| 11 | Runnud Budruk | ， | $\cdots$ | $\cdots$ |  | 225 | 198 | 212 | 203 134 | 181 | 196 | 69 46 | 101 | $\begin{array}{lll}1 & 7 & 4 \\ 1 & 9 & 3\end{array}$ | 1,020 259 | $\begin{array}{lll}0 & 1 & 6 \\ 0 & 4 & 0\end{array}$ | ． | 95 64 |
| 13 | Manheret ．．． |  |  |  |  | 255 | 232 | 119 | 134 251 | 227 | 137 | 88 | 72 100 | 19 1 1 | 259 395 | $\begin{array}{lll}0 & 4 & 0 \\ 0 & 5 & 6\end{array}$ | $\cdots$ | $\stackrel{64}{135}$ |
| 14 | Ambewrungan | ．．． | ．．． | $\ldots$ |  | 154 | 162 | 158 | 132 | 129 | 136 | 29 | 42 | 170 | 498 | 030 | ．．． | 93 |
| 15 | Deogaon | $\ldots$ |  | ．．． | ． | 200 | 148 | 175 | 177 | 120 | 327 | 39 | 46 | 130 | 169 | 080 | ．．． | 80 |
| 16 | Runund Khurd | $\ldots$ | $\ldots$ | ＊－． | ．．． | 56 | 44 | 50 | 41 | 42 | 46 | 19 | 28 | $\begin{array}{ll}1 & 7.5\end{array}$ | 280 |  | $\cdots$ | 17 |
| 17 | Guheret ．．． | $\cdots$ | ．．． | $\cdots$ | ．． | 84 | 91 | 88 | 71 | 80 | 92 | 26 | 36 | $1 \begin{array}{lll}1 & 6 \\ 1 & 5\end{array}$ | 356 | $\begin{array}{lll}0 & 2 & 6 \\ 0 & 2 & 0\end{array}$ | ． | 55 |
| 18 | Kohonet | $\ldots$ | ．．． | $\ldots$ |  | 83 106 | 72 | 78 98 | 65 85 | 74 | 90 80 | 34 27 | 57 37 | $\begin{array}{lll}1 & 11 & 0 \\ 1 & 5 & 7\end{array}$ | 260 114 | $\begin{array}{lll}0 & 2 & 0 \\ 0 & 6 & 0\end{array}$ | $\cdots$ | 32 |
| 20 | Khurki ．．．． | ．．． | $\cdots$ | $\ldots$ | $\cdots$ | 135 | 206 | 169 | 858 | 182 | 80 190 | 27 45 | 37 73 | $\begin{array}{lll}1 & 5 & 7 \\ 110 & 2\end{array}$ | 114 | $\begin{array}{llll}0 & 6 & 0 \\ 0 & 4 & 6\end{array}$ | $\cdots{ }_{10}$ | 117 |
| 21 | Wanjulset ．．． | $\cdots$ | ．．． | ．．． |  | 128 | 178 | 152 | 191 | 178 | 198 | 65 | 107 | 1104 | 488 | 030 |  | 91 |
| 22 | Puruchwarri | ．．． | ．．． |  |  | 73 | 70 | 72 | 77 | 67 | 71 | 19 | 27 | 165 | 142 | 046 | ${ }^{*} 5$ | 43 |
| 23 | Wagdari ．．． | ．．． | ．．． | ．．． | ． | 75 | 100 | 87 | 85 | 72 | 77 | 15 | 21 | 1511 | 573 |  | 4 | 56 |
| 24 | Battun－．． | ．．． | ．．． | ．．． | ．． | 84 | 93 | 89 | 161 | 119 | 132 | 32 | 44 | $1 \begin{array}{lll}1 & 6 \\ 1 & 5\end{array}$ | 264 | $0 \begin{array}{lll}0 & 5 & 0\end{array}$ | 8 | 87 |
| 25 | $\underset{\text { Kodini }}{\text { Singemwarri }}$ | $\cdots$ | ．．． | $\ldots$ |  | 120 29 | 90 21 | 108 28 | 69 | 67 | 77 | 20 9 | 27 | $\begin{array}{llll}1 & 5 & 7 \\ 1 & 5 & 11\end{array}$ | 534 | 016 | $\ldots$ | 50 |
| 27 | Somgemwarti | $\cdots$ | $\cdots$ | $\ldots$ |  | 104 | 21 | $\stackrel{28}{89}$ | ${ }^{6} 6$ | ${ }^{6} 6$ | 174 | 22 | 137 | 1511 110 | 284 | $\cdots 20$ | $\cdots 8$ | 37 |
| 28 | Pabulwandi | $\ldots$ | ．．． | ．．． |  | 170 | 147 | 159 | 162 | 138 | 142 | 26 | 33 | 139 | 249 | 070 |  | 109 |
| 29 | Bhundurdari | ．．． | ．．． |  |  | 154 | 145 | 150 | 162 | 135 | 155 | 55 | 73 | 153 | 165 | 080 |  | 82 |
| 30 | Shenet ．．． | $\ldots$ | ．．． |  |  | 198 | 303 | 249 | 371 | 296 | 301 | 54 | 78 | $\begin{array}{lll}1 & 7 & 5 \\ 1 & 7 & 6\end{array}$ | 219 | 100 | 6 | 222 |
| 31 | Etdurel ．．． | ．．．． |  | $\cdots$ |  | 481 | 511 | 495 | 436 | 408 | 425 | 77 | 113 | 178 | 623 | 080 | ．．． | 311 |
| 33 | Chichondi ．．． | $\ldots$ | ．．． | $\ldots$ |  | 207 151 | 320 | 262 157 | 264 134 | 226 133 | 245 161 | 43 76 | 63 89 | $\begin{array}{lll}1 & 7 & 0 \\ 1 & 210\end{array}$ | 363 330 | $\begin{array}{lll}0 & 8 & 0 \\ 0 & 3 & 6\end{array}$ | ．．． | 181 72 |
|  |  |  |  | Total |  | 5，120 | 5，197 | 5，159 | 5，396 | 4，838 | 5，2i7 | 1，503 | 2，194 | 174 | 12，469 | 0311 | 37 | 3，082 |

Sirúr，Superintendent Dang Revenue Survey＇s Office，\}
（Signed）C．E．F．TYTLER，

Statement No. 4.
Statement contrasting the old and new Assessment in the Srd Olass Villages of the Ankola Dángs.


## APPENDIX C.

## Form of Viliagr Leabr.

Lease granted in the Arabic year, Lissa Arrabám Miatin and Alif corresponding with 1848-49 A. D., by the Honourable East India Company through Mr. Tytler, First Assistant Collector in the Zilla of Ahmednagar, to the Mocadum, and all the rayats of the Mauza Ambeh, in the Ankola Taluka of the said Collectorate.

Conformably with the new arrangements, which have been agreed upon between the Government and you for settling the revenues of your village, a lease is granted as follows:-

First Clause.-The whole of your rice and superior jiráit lands have been measured off into English acres, with a chain and cross staff; field registers, and maps have been prepared, and the land arranged into classes. The land has also been divided into principal numbers, which have been sub-divided into Chuck numbers,* and each Chuck number separately assessed at rates exhibited in a book made over to your head patil. The assessment thus fixed on any Government Chuck number will be levied from its cultivator for such years only, as it may be under cultivation, and no extra cess whatever on account of kharch patti, \&c., will be taken. It must, however, be understood that if any portion of a Chuck number is cultivated the whole number must be paid for, no deductions being made on account of any portion lying waste; and the specified amount of assessment will be exacted, whatever the nature of the crop raised. These arrangements are to be in force for thirty years, i.e., from 1848-49 to 1877-78 A. D., and during the said period of 30 years no extra assessment whatever will be levied on a number on the plea of any portion of it, which may at present be deemed unculturable and consequently have escaped assessment, having been rendered capable of cultivation. Moreover, during the said term of 30 years, the assessment will be neither raised nor lowered in consequence of the land being by natural or artificial causes improved or deteriorated.

Second Clause.-As for the present each tika of mál and hill land cannot be separately measured, classified, and assessed; all you rayats have agreed to take on lease for 5 years from 1848-49 to 1852-53 A. D. at an annual Ukti assessment of Rs. the whole mál and hill Government lands, " máphi" being excluded. You are therefore required to pay to Government annually the sum of Rs. nothing in addition being required on account of kharch patti, \&c. The Rs. are to be apportioned on individual rayats in the manner set forth in the following clause.

Third Clause.-In clause second it is stated that the whole of the Government mál and hill land has been leased out on Ukti, but as for the present you do not require the whole of this land, you have settled amongst yourselves, and entered in a statement the number of mal and hill acres of cultivated and waste land which are to be held by each individual, and the different tikas in which the land of each is situated; and you have also in presence of the Mámlatdar's head kárkun pointed out to one another where your respective portions are situated; you have likewise, with reference to the quantity of land to be beld by each individual, apportioned on yourselves the abovementioned sum of Rs. A copy of the statement given in by you is furnished with this lease, and each individual is to pay his quota according to the instalments therein set forth.

If consequent on death, desertion, poverty, or other cause, the land of any one of your body be thrown up, one or more of you must hold, and pay for the same, or you must bring some one or more new cultivators (i. e. cultivators from other villages) to do so.

[^7]In the event of your making neither of the above arrangements, and consequent on the land being left waste the assessment becomes irrecoverable, you must make up the deficit by a proportionate subscription amongst yourselves, and thus make good the whole amount of Ukti assessment payable to Government.

In like manner any portion of the annual assessment outstanding against any actual cultivator must, failing Government's inability by the usual law processes to collect it from that individual, be made up by a proportionate subsoription on the whole body ; as the whole Ukti assessment of Rs. must be paid, and nothing more or less, will be taken.

Fourth Clause.-Nothing extra will during the term of 5 years be demanded by Government, on account of rice or any valuable garden or dry-crop which you may by efforts of your own render your mal land capable of producing.

Fifth Clause.-The whole of the Government mal and hill lands, "maphee'

* being excluded, have been leased out to you, and as no addition to or abatement from the amount of Government Ukti assessment will be made on account of any increase or decrease of cultivation, you are at liberty to cultivate, and take the produce of, as much as you may have the means of tilling. In the statement you have given in acres of mall land, are portioned off amongst you, and over and above this there are according to the survey, Government acres which are considered as forming part of the land you hold in common, and consequently no extra assessment will be imposed thereon.

Sixth Clause-If instead of giving out the unappropriated land to new rayats you determine on sharing it amongst you, it is to be hoped that you will be able to make the necessary arrangement amongst yourselves; but in event of your failing to do so, the Mámlatdár will, through a Pancháyat, make the apportionment. If it so happen that previous to your making the necessary arrangements amongst yourselves, or previous to the unappropriated land being shared, there should be a hitch about a rayat's cultivating more land than has been entered against his name in the statement you have given in, enquiry will be made as to what portion of the unappropriated land his share of the appropriated land entitles him to, and should it be found that the additional land taken up exceeds that portion, the excess will be assessed at the rates which (according to the statement you have given in) the total Ukti assessment imposed on your village would (by the common rule of proportion) give for each acre of appropriated land, and the assessment thus obtained is to be deducted by proportionate shares from the quota set forth in your statement as payable by each individual.

Seventh Clause.-In clause 5th and 6th provisions are made for varying the amount, which is entered in the statement you have given in as payable by each of you, therefore the Kamávisdár will every year, when the jamábandi akárband is being prepared, assemble all the rayats, and make enquiries on the subject. The Ukti assessment of Rs. is to be entered in the akarband as leviable from the village, and should the original apportionment as set forth in the statement you have given in remain in force, an entry to that effect is to be made, but should there have been, in conformity to the provisions of clause 5th and 6th, any alteration in the quota payable by particular individuals, the names of these individuals with the sum realizable from them and all necessary particulars are to be entered, and the patil and kulkarnis will render themselves liable to the penalties set forth in the Regulation if they demand more or less from any individual.

Eighth Clause.-You must, in conformity to the above terms, pay the Rs. without expecting any remissions. But if there be very great loss, occasioned by failure of crops, civil commotion, or calamitous visitation of any kind, the Collector will, if he deem it expedient, make searching investigation and give such remissions as may to him appear advisable.

Ninth Clause.-Any rayat who may, in the course of the 5 years for which this lease is given, repair any broken ridges by which the different portions of mál land he holds may be surrounded, or who raises as boundaries fresh ridges,
in places where none now exist, will at the expiration of the said five years have such of his lands as are thus surrounded by ridges measured off, classed, and assesssed separately from the remaining land of the village in the same manner as the different compartments of rice land are now separately assessed and thas the rayat will be able to cultivate and improve his land without being dependent on others, the revenues of your village are to be settled agreeably to the terms get forth in the above nine clauses which have been agreed upon by Government and you.

(Signed) C. E. F. TYTLER, First Assistant Collector.

We agree to the terms set forth in the above nine clauses and will, without creating any obstacles, act conformably thereto.
(Signed) By all the Rayats.

(True Translation.)<br>(Signed) C. E. F. TYTLER,<br>First Assistant Collector.

Extract Paragraphs of letter No. 33, dated 4th January 1849, from the Revenue Commissioner, Southern Division, to the Secretary to Government, Territorial Department, Revenue, handing up correspondence in relation to the new rates of assessment proposed (by Mr. Tytler, Superintendent, Dáng Survey,) for 110 villages of the Dángs, of the Ankola Táluka.

1. With reference to the Deputy Secretary's. letter of 8th April last (No. 2065), I have the honour to transmit the correspondence noted in the margin, which contains new rates proposed by Mr. Tytler, Superintendent of the Dang Survey, in 110 villages of the Dángs, of the Akola Táluka. A letter from Captain Wingate is also appended, to whom I forwarded this report for his opinion,-a measure which appeared to me
2. Collector of Ahmednagar to Revenue Commissioner, 14th September 1848 .
3. Mr. Tytler's report, 22nd August 1848, (enclosing Mr. Hexton's of 27 th July).
4. Revenue Commissioner to Collector, 3rd November.
5. Collector's reply, 10 th November (enclosing one from Mr. Tytler, of 8 th November).
6. Captain Wingate's letter, 20th November.
7. Captain Wingate's letter, $20 t h$ Nove in accordance with the wishes of Government as contained in paragraphs 20-21 of the Secretary's letter of 22nd September last (No. 5593).
8. The amount of work performed and the expense at which it was executParas. 20-21. ed are exhibited in Appendix A, which accompanies this report : the period of these transactions extended from 1st October 1847 to 31st July 1848, the number of acres measured was 293,367 , the number classified was 54,212 , the total expense of the survey was Rs. 5,142 , including the erection of boundary marks. Aid in the above work was afforded by the district establishment, as shown in Statement No. 2, in this appendix, and the small expense at which this important operation has been concluded is dwelt upon by the Superintendent with a pleasure, in which, I trust, Government will participate.
9. In the Collector's remarks (paragraph 3) on this part of the subject however I quite agree, and I have no doubt that the occupation of the taluka establishment with survey operations did, to a certain degree, interfere with their other duties, but considering the very great want of a revised assessment which existed in these districts, and the beneficial consequences which have resulted in the Násik Sub-Collectorate from its adoption, I must

Acting Secretary's letter of 11 th November 1848 (No. 7112) paras. 15, 16, 20.
view it as subject of satisfaction that so useful a work has been completed, though at some present inconvenience. It must also be borne in mind that in sur veyed districts the current work of the Government servants is largely decreased The measurement and assessment of each field is known, and its boundaries fixed ; there is no room for questions as to whether it contains more or less land than
it is supposed to do, or whether any increase or decrease in its assessment should be made ; the number of petitions at the annual revenue settlement is lessened to a vast extent, and the trouble and delay of apportioning remissions is to a great degree got rid of, in spite of the acknowledged " vitality So that were the time occupied, and nothing else to be taken into consideration, I incline to think that in a period of five years the balance of time saved would be found largely in favour of a surveyed district, as compared with one unsurveyed, after deducting from the formor the time actually spent in the operation.
6. The manner of division into fields, and the fixing of boundary marks as here reported, appear in accordance with the standing orders of Government. The maps appear to be neatly constructed and to be very creditable to Mr. Hexton's talents and industry.
7. Mr. Tytler explains that of all measurements a ten per cent. test was

Measurements.
Paran 24. taken by Native testors, and a ten per cent. test of the latter's work was taken by Mr. Hexton, and that the average percentage error was:-

| In rice lands | .. | $\ldots$ | ... | 1.88 |
| :--- | :--- | :--- | :--- | :--- |
| In jiraít lands | $\ldots$ | ... | ... | 1.76 |

Captain Wingate, in commenting on these results, calls "the degree of
Para. 6. accuracy obtained singularly great," but observes that "a statement of the errors from which his average has been struck would be requisite to a full understanding of the manner in which the work has been executed." In reply to this, Mr. Tytler refers to a statement forwarded to the Collector of Ahmednagar, with his letter dated 8th November ; that statement, however, to which I shall presently advert, refers solely to classification, whereas the above remarks relate to
m unwilling, however, to detain this report to admit
Letter of 11th December (para. 5), No. 145. measurements only. I am unwilling, however, to detain this report to admit
of making another reference to the Superintendent on this subject. In paragraphs 7 and 9 of his letter of 11 th ultimo, $\mathbf{M r}$. Tytler further explains his system of measurement and classification.
8. The average error in classification is stated to

Classification, Para. 25. 'be as follows :-

| In rico lands. | $\ldots$. | $\ldots$ | $\ldots$ | 1.16 |
| :--- | :--- | :--- | :--- | :--- |
| In jiráit lands | $\ldots$ | $\ldots$ | $\ldots$. | 4.59 |

The details whence these results were obtained are continued in the statement which accompanies Mr. Tytler's letter of 8th November. Captain Wingate comments on this in his 7 th paragraph; in quoting 13 per cent. however as the average error in jirált classification, that officer's eye appears to have caught the wrong figure and to have quoted the extreme error, instead of the average, as pointed out in paragraph 6 of Mr. Tytler's reply.
10. The one hundred and ten villages, now reported on, are divided into New rates, Para. 32. three classes : the lst containing 44 villages, the two others 33 villages each; the lands of these villages are divided in the following manner, viz. :-

> Under 1.—Ukti rates;
> 2.-Rice;
> 3.-Jiraít ; and
> 4.-Garden.

The 1st or " Ukti rates" include "unmeasurable lands" which are leased for 5 years, according to the plan pursued throughout the Dángs. In his 11 th and 12th paragraphs Captain Wingate comments on the shortness of these leases, and in the general applicability of his remarks it is impossible not to concur. I think, however, that under the explanation given in paragraph 12 of Mr . Tytler's reply, it would not be expedient to lengthen the leases now about to be given in Ankola, but to leave the question of longer leases to be disposed of when the report here promised by Mr. Tytler regarding the renewal of leases in Násik is received.
14. The entire financial result of the rates now proposed is exibited in a brief abstract form in this paragraph in a neat diaFinancial result, Para 40. gram, and in 4 statements in Appendix B, of which the first is a summary, and includes the other 3. These statements and figures relate only to lands paying assessment to Government and not to inam lands; were any of the latter therefore to lapse to Government, their revenues would increase the new maximum survey assessment, which now is Rs. 27,480.

| Dedact direct Haks, which are henceforth to be paid from the Government Revenue (para 43) <br> Rs. 2,515-0.0 |  |  |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Remainder Government Revenue <br> Average of 29 years ... Rs, 22,299-0.0" |  |  |  |
|  |  |  |  |
| Sale of waste lands |  | „ 472-7 |  |
| Total ... 22,771-0-0 |  |  |  |
|  |  |  |  |

The comments and explanations by the Superintendent and Collector leave me little to say on the subject of these new rates, beyond recommending their adoption. Government will observe that I adopted the suggestion contained in Mr. Spooner's 9th paragraph, and referred these proceedings to Captain Wingate whose approval of the proposed rates, "as far as the information supplied in the correspondence permits him to judge," is contained in paragraph 17 of his letter herewith forwarded.
15. The haks to which allusion has been already made are those claimed Haks, Para. 46. by the Mahál Zamindárs-the pátil and kulkarni, and five other functionaries-among whom the village mhár is not included. As a merely temporary measure I am aware of no objection to admitting the payment from the revenues of Rs. 2,515-2-1 on account of these haks, all direct levy of which should thenceforth cease : but as it would appear from paragraph 4 of Mr. Tytler's letter of 8 th March that no scrutiny into these levies has ever taken place, while from the absence of almost all credible records it is exceedingly difficult to test their amount, I would respectfully suggest that the ultimate disposal of this question be simultaneous with that of the claims of village officers in the Sholápur and Dhárwár Collectorates, so soon as the report called for in your letter No. 5429, dated 15th September last, has been received from the Superintendent, Southern Marátha Country Survey.
16. Mr. Tytler proposes that the revenue instalments be deferred one

Instalments, Para. 47. month, being collected from January to March, instead of as at present from December to February, and this alteration is approved (paragraph 10) by the Collector:-Captain Wingate however (paragraph 19) proposes to divide the revenue into 4 instalments, of which the last should be payble in May as proposed in Rule 21 of the Joint Report, dated 2nd August 1847. In their reply to that report Government hesitated

[^8] to fix the instalments there proposed as a general rule, and I can but repeat the opinion contained in paragraph 17 of my letter of 10 th September 1847 forwarding the above Joint Report, in which I have recommended that the last instalment in districts above the Gháts should be April. For the Dangs, where the orops are all early, the people very poor, where grain is seldom stored by the rayats, and where owing to the thatched roofs fires are more destructive than in the plains, I think it very desirable that no instalments should be later than March.
17. In his 11th paragraph the Collector says that he has called on the Renewal of leases. Sub-Collector for a report regarding the renewal of leases, referred to in Mr. Tytler's 48 th and 49th paragraph. I quite agree with the Superintendent (paragraphs 51 and 52) that the future leases should be revised according to the altered circumstances of the district, and that a mere renewal of the old leases will not suffice. I also concur
in the wish expressed by Captain Wingate (paragraph 12) that this "revision should be made by Mr. Tytler himself, or some equally qualified officer acquainted with the condition of the villages." Should Government be unable to spare Mr. Tytler for this duty, possibly Serjeant Hexton might be deputed to it under the general superintendence of the Superintendent, Ahmednagar Survey, should Mr. Tytler's distance from the Sub-Collectorate and his charge of other tálukas make him unable to exercise this superintendence himself, as I fear that it would. Should His Lordship in Council think this proposal worth considering, I would suggest that Mr. Tytler and the Superintendent at Ahmednagar be in the first place consulted as to its practicability.
18. I solicit authority to depute Serjeant Hexton to the Sub-Collectorate, Para. 63. as proposed by the Superintendent, to finish the field boundary marks. The Collector will in that case take care that Mr. Hexton obtains all due assistance from the District Officers.
19. The general view taken by Mr. Tytler of his labours on the Dang survey affords a very favourable view of its effects, though, so far as I am qualified to judge, not too
Retrospect, paras. 56 to 59. favourable, nor in any way exaggerated. It is of course impossible to judge correctly of the effects of a survey till it has been some years in operation, but the cessation of remissions in the Nasik Sub-Collectorate, and the easy collection of revenues thus far are strong testimonies in favour of the new assessment. The abolition of the present system of endless uncertainty in assessment is a benefit, the extent of which can hardly be over-rated.
20. Referring to the new boundary proposed between Akola and Junnar, Para 60. I will, with the permission of Government, direct Mr. Spooner to communicate direct with the Collector of Poona, and when both these officers shall have considered the transfers proposed, a joint report might be submitted to Government through this department. Mr. Spooner requests that the map of Ankola, herewith transmitted, may be returned.
21. I shall be glad if Government can take into consideration Mr. Tytler's Para 62. suggestions for the promotion of his efficient and zealous Assistant, Serjeant Hexton.
22. I respectfully solicit the early sanction of Government to the rates

Early manction. here proposed: of course, I cannot authorize Mr. Tytler to anticipate that sanction as requested in paragraph 17 of his letter last received. The delay that has occurred in forwarding this correspondence has been the least that the press of current business in this office would admit of; that caused by a reference to Captain Wingate will, I am sure, be viewed by Government as fully compensated for by that officer's judicious suggestions.

I have, \&c.,<br>(Signed) E. H. TOWNSEND,<br>Revenue Commissioner, S. D.

Sholápur Districts, Revenue Commissioner's Camp,
Alhábád, 4th January 1849.

No. 419 or 1849.

## Territorial Drpartment. Revenue.

To
E. H. TOWNSEND, Esquire,

Revenue Commissioner, S. D.
Sir,
1 have laid before the Right Honourable the Governor in Council your letter No. 33, dated the 4th instant, submitting reports from Mr. Tytler, Superin-- 1292-21
tendent of the Dáng Survey, and the Collector of Ahmednagar, on the revision of the assessment of 110 Dáng villages of the Ankola Táluka, and have been desired to convey to you the following observations and instructions on the subject of them.
2. These reports were in the first instance submitted by you for the opinion and report of Captain Wingate, the Superintendent of the Southern Maratha Country Survey, whose reply dated the 20 th November last, No. 215 accompanies your letter under acknowledgment.
3. Mr. Tytler gives in the opening paragraphs of his report an interesting description of the Dang and of its condition both under the former and present rule; he also furnishes information on the sulject of the system of assessment at present in force; and as observed by Captain Wingate, it is also necessary to read his description to be satisfied of the necessity of placing the land assessment on a more equitable basis.
4. The 110 Dáng villages are divided by Mr . Tytler into three groups :-

The first containing 44 villages, having as far as possible the whole of the arable land measured and classified.

The second of 33 villages, in which the rice lands alone have been measured and classified, and the third of 33 villages, in which the rice lands have been as far as possible measured off into fields only but not classified.
5. The rates proposed are of four kinds, namely :-
"Ukti" or round sums imposed on each village on lands incapable of being measured ;
rice land rates;
jirait rates, applicable to lands capable of being measured; and garden rates.
6. The first of these, or the "Ukti" rates are to be imposed on jirait land incapable of being measured. It is proposed by Mr. Tytler to lease these for five years in the same manner as was done in the Dángs of Násik.
7. Captain Wingate objects to the shortness of these leases; but for the reasons assigned by Mr. Tytler, His Lordship in Council is disposed to agree in your recommendation that it would not be expedient to lengthen the leases now about to be given in Ankola, but rather leave the question to be hereafter disposed of when the report on the subject of the renewal of those granted in Násik shall have been received.
8. These rates are confessedly arbitrary in their nature, and in his 33rd paragraph Mr. Tytler states-
"In determining the round sum payable by each village I have been guided by the average of past payments, the nature and extent of the soils leased out, the condition, state, and number of contracting parties, and by all the general items of information that can be brought to bear upon the subject."
Captain Wingate gives it as his opinion (paragraph 10) that this assessment-
" Appears well suited to the state of things it is intended to meet, and
to have succeeded in other districts where it has been tried by Mr. Tytler,
which is sufficient security for its being found suitable in the present case."
9. The Governor in Council concurs in the justice of Captain Wingate's objections to the 8th clause of the proposed leases on the subject of remissions, and thinks it may with advantage be omitted. On this subject you do not appear to have given any opinion; you are requested to carry out the above views should you concur in their propriety.
10. The rice lands are divided into eight classes, the highest rate of assessment being Rs. 2-8-0 and the lowest 12 annas per acre. These appear very moderate, but the lands are described as mostly of an inferior description.
11. The jirait rates are divided into nine classes; these are only applicable to lands capable of being measured, and occtr only in the first group of villages. They_ vary from Rs. 1-2-0 to 4 annas per acre. These rates are con-
siderably below those proposed by Captain Davidson for the most un favourably situated villages of the Ankola Táluka; Captain Wingate, howeven, sees no reason to doubt the suitableness of the proposed assessment.
12. The garden land in the Dángs is very inconsiderable; the rates from the account given of them appear equitable.
13. The average of twenty-nine years of actual realizations is given at Rs. 22,299 , and the new maximum assessment under the rates proposed will be
Rs. 27,480, while the probable realizations for the present year at the new rates are stated at Rs. 23,864 . These results appear to the Governor in Council satisfactory.
14. The introduction of the new rates is advocated by you and they are approved of by Captain Wingate "as far as the information supplied in the correspondence permits him to judge." His Lordship in Council must trust to the experience and judgment of yourself and Captain Wingate in a great measure on a question of this kind, and he thinks there need be no hesitation, on a review of all the correspondence which has been laid before Government, in at once sanctioning the new rates and authorizing their introduction in the present season.
15. The Governor in Council has approved and sanctioned the course recommended by you with respect to the question of Parbhára Haks, their present payment at the rate of Rs. 2,515-2-1 from the revenues being admitted, and all direct levies prohibited, leaving their ultimate disposal to be determined on when a reply is received to the Government letter to your address of the 15 th September last, relative to the general question.
16. For the reasons stated by Mr. Tytler and yourself, His Lordship in Council concurs in your view that in the Dáng it is very desirable that no instalments of the revenue should be fixed later than March, and has been pleased to sanction Mr. Tytler's proposals on this subject.
17. On the subject of the renewal of the five years' leases in the SubCollectorate of Násik, the Governor in Council considers it very desirable that their revision should, if possible, be made by Mr. Tytler. Before, however deciding on this point the report promised by the Collector will be awaited.
18. His Lordship in Council has approved of Serjeant Hexton being deputed to the Sub-Collectorate to finish the field boundary marks, as recommended in your 18th paragraph.
19. He has also authorized the course proposed by you for fixing a new boundary line between the Ankola and Junnar Tálukas being followed.
20. Your recommendation of Mr. Tytler's suggestion for the promotion of his Assistant Mr. Hexton will be transferred to the Military Department for consideration and disposal.
21. I have been desired in conclusion to request that you will be pleased to communicate to Mr. Tytler the approbation of Government for his useful and zealous exertions in conducting the survey operations of this district, in addition to his duties as an Assistant Collector, and at so exceedingly moderate an expense compared to the great importance of the object attained.

## I have, \&c.,

(Signed) W. COURTNEY, Acting Secretary to Government.
Bombay Castle, 23rd January 1849.

No. 245 or 1849.
Forwarded for the information and guidance of the Superintendent of the Dáng Survey with reference to his report No. 108, dated 22nd August last, and who is requested to issue the instructions on the subject.

Remaxks of Ráo Bahádur Nilkanth Bhagwant Moolay, District Deputy Collector. Ahmednagar, on the proposals for the revision settlement of the 102 Government villages of Akola made by W. M. Fletcher, Esquire, Superintendent, Poona \& Násilk and Southern Marátha Country Revenue Surveys.

No. 921.
Ahmednagar, 17th May 1887.
Submitted to the Collector of Abmednagar after a careful perusal of all the pepers with the following remarks.
2. Para. 14.-The addition of the 10 th class to the valuation scale has left no land however poor in soil unclassified, and consequently unassessed. This measure is convenient both to Government and the rayats.
3. Para. 18. -The denudation of old forest has caused decrease in the quantity of rain, which fell in Mr. Tytler's time. The conversion of some of the old rice fields into beds for wheat and other Deshi-crops, which is seen at some places in the táluka, is sufficient to prove the decrease in the quantity of rains. The forest operations now in progress will certainly secure in course of time more moisture.
4. Para. 20.-The road between Katul to Akola has been now made more easy by widening the Washeraghat. It is in contemplation to connect Katul with the Junnar Taluka by opening a new road in the southern portion of the Moola Valley.
5. Paras. 22, 23 and 24.-The increase in population and hoases shows the prosperous state of the villages.
6. Para. 26.-The number of sheep and goat is gone down. One of the chief reasons for this decrease is the exclusion of these animals from the forest lands.
7. Para. 27.-The improved state of communications has increased the number of carts. The number will still be increased when the roads mentioned in para. 4 above are completed.
8. Para. 28.-The decrease in the rainfall necessitated an increase in the number of wells which were built by prosperous rayats.
9. Para. 32.-It is true that the value of land is now much increased.
10. Para. 36.-No difficulty is experienced in the collection of the revenue in this táluka.
11. Para. 37.-I quite agree with Mr. Fletcher.
12. Para. 39.-The groups are judiciously arranged and the rates assigned to them seem moderate.
13. Para. 40.-The rates for rice lands are proper.
14. Para. 43.-The total increase on Government occupied land is shown at Rs. 8,349 , that is 23.8 per cent., but this increase is attributed partly to the increase of 15,000 acres of occupied land which have hitherto escaped assessment. It would have been convenient to arrive at a correct idea of the percentage of the net increase, had the amount of assessment of these 15,000 acres been shown separately. However, under the circumstances mentioned, it appears that the net percentage cannot be high.
15. Para. 48.-The revised rates may be sanctioned and introduced subject to the conditions mentioned in Government Resolution No. 3541, dated 4th May 1885.

(Signed) N. B. MOOLAY,<br>District;Deputy Collector, Ahmednagar.

No. 2724 or 1887.
Ahmednagar,"18th May 1887.
In forwarding the above the Collector begs to state his entire concurrence inMr. Fletcher's proposals. The villages have been judiciously grouped and the increase in rates is sufficiently moderate.
(Signed) G. WADDINGTON, Collector.

No. 1396 of 1887.
From

A. S. BULKLEY, Esquire,<br>Acting Survey and Settlement Commissioner;

To
The SECRETARY to GOVERNMENT, Revenue Department. -•

Survey Commissioner's Office, Poona, 9th August 1887.

## Sir,

I have the honour to forward my remarks on the proposals of the Superintendent, Poona and Násik and Southero Marátha Country Revenue Surveys, for the revision survey settlement of the 102 Dangi Government villages of the Akola Táluka of the Ahmednagar Collectorate, submitted in his letter No. $\frac{\mathrm{sm.O}}{6.2}$, dated 21st April last, to the address of the Collector.
2. The reason for effecting a revision of the settlement of these villages separate from that of the 51 Deshi villages of the taluka which have more or less a different character of climate and cropping has already been fully explained in paragraph 2 of letter No. 342 of 22nd February 1886 of the Survey Commissioner to Government, to be found at page 55 of the Government Selection No. CLXXXIV., New Series.
3. Of the $\mathbf{1 0 2}$ villages now to be dealt with 5 were formerly in Junnar Táluka of the Poona Collectorate and were transferred from it to the Ahmednagar Collectorate in 1866-67. The original survey settlement of the 97 Akola villages was made in 1848-49 by Mr. Fraser Tytler under the system known as the Dángi settlement. This is described in full detail in the report by Mr. Fraser Tytler, which has been printed as an accompaniment to Mr. Fletcher's present report, and is to be found at pages 59 to 70 of the present papers. The description may be summarised to the effect that, in the more open villages in the eastern tract, all superior soils were at once measured (more or less accurately) demarcated, classified, and assessed at rates ranging in the case of dry-crop lands from 18 annas to 4 annas and in that of rice lands at rates varying from Rs. 2-8-0 to Re. 0-12-0. The lands not so dealt with in detail were leased for periods of 5 years, on terms subject to revision. In the middle tract, only the rice lands were measured and otherwise dealt with in detail for the purposes of assessment, the remainder being partially leased. In the most western villages the rice lands alone were measured and separately assessed, and no lands at all were leased. The settlement sanctioned according to the above system and rates was in force for some 6 years (until 1855), when it was modified in the direction of entirely doing away with the system of leasing lands of any description. The Mál lands which were then for the first time separately measured were classified under the same rules and scale as had been followed in the case of the dry-crop lands, by which the poorest soils were valued considerably above what they would be and are by the scale that is now in use and has been adopted in the entire re-classification which has been made in the case of the villages under report. The assessment rates proposed and sanctioned for these lands thus dealt with at that period were guaranteed by Government for a term which was fixed along with that of the 30 years' lease granted for the lands assessed in the first stage of the survey.
4. As the internal measurements made by the original survey were unavoidably rough and, moreover, not well tested, remeasurement has been now carried out, under the orders of Government to that effect. In the course of this work the aggregate of old survey fields has been decreased by 3,838 in 29,248 . This is a result not usual in revision surveys, and the explanation of it is that the limits of many small areas of land likely to be cultivated with rice crops, which by the old survey were made into separate survey numbers have in the subsequent interval
become not possible of identification and these as well as many others held by one and the same occupant, have been included in the adjoining Mail land survey numbers. Further, the reduction in number is due to about 1,000 old surver numbers having been included by the revision survey in forest reserves. As was natural in a country for the most part rugged and difficult of survey and measured by the original survey on a rough method, large differences of area between past and present results in a large proportion of cases have been detected." Imperfect demarcation in the interval has of course also operated to this end. In the present classification, which has also been entirely re-done, the system and scale adopted for dry-crop lands is that of the Joint report, altered only so far as to include a 10 th (the lowest) class. In the case of rice lands the system prevail. ing in the Poona and Násik Survey for several years back has been adopted.
5. The tabular statement under paragraph $\mathbf{5}$ of $\mathbf{M r}$. Fletcher's report, by contrasting the area figures of the original and revision survey, shows that the changes in 3 of the various kinds of land specified are considerable, although the figures of area for the old survey are probably not very reliable. The increase in rice land area appears to amount to over 80 per cent. and in occupied dry-crop land to about 10 per cent.
(6. The physical features of the tract under report, the variations in climate of its 3 main divisions, its soils with the nature of their cropping and other products, the character of the communications, and the markets which erist are described very lucidly and to the point in paragraphs 16 to 21 of Mr. Fletcher's report. The average rainfall over the whole area cannot be stated, as it is not gauged at any place actually within its limits. The difference between that recorded for Akola which is a few miles beyond its eastern frontier, and Igatpuri which is about 18 miles distant outside the western frontier line, is very great indeed. The rainfall over the whole tract is considered by Mr. Fletcher to have diminished since the date of the original settlement, owing to the considerable denudation of the parts then described as covered by forest and scrub jungle. At the same time it may be inferred that it is not, in general, much less than it was, looking to the actual considerable extension of rice land cultivation, a result which must depend greatly on themore or less certainty andsufficiency of the requisite rainfall. Mr. Fletcher has stated that, in general, the rice lands are not found to have a really good supply of water. This description, however, appears to be somewhat inconsistent with the statement (contained in his paragraph 19) that in some rice lands a second crop of wheat is grown after a first crop of rice, a condition of things which is scarcely possible except where the rain supply is good. The District Deputy Collector's statement, made in his memorandum of remarks on the report of the Superintendent of Survey, that, owing to the diminished average rainfall in some parts of the district, old rice fields have been cropped with wheat, must be understood to mean that rabi wheat crops have been grown owing to the kharif rice crop having failed to be raised. A comparison of the proportionate areas under rice cropping in the Dángi and Deshi tracts shows that in the former it is six times the greater. As regards bajri and nágli the former is cultivated four times more largely and the latter nine times less extensively in the Deshi than in the Dángi villages. Khorasni (an oil-seed) thrives well and is largely grown in the uplands of the Dangi tract, while in the Deshi Division it is scarcely cultivated at all. There is a considerable export from the Dángi tract of hirda berries (Myrobalum) gathered from trees standing in Government forests and also in occupied lands.
7. The statistics of population, of dwelling-houses of the better sort, and of agricultural resources in general, which have been succinctly reviewed by Mr. Fletcher in paragraphs 22 to 29 of his report, indicate a considerable degree of prosperity and solid advance throughout the district. The returns in the statistical papers concerning the various kinds of dealings in land exhibit a generally high range of value, and the figures relating to the administration of the district show that the revenue demand has, as a rule, been realised with great ease and regularity. The tract under report shared with the Deshi tract in suffering but slightly from the drought of 1876-77. A trifing item of casual remissions appears against the year 1876-77, probably due to the ill effects of the dearth. Outstanding balances, although they cannot be said to be
"unknown" during the term of the existing settlement (as Mr. Fletcher states in paragraph 35 of his report) are decidedly insignificant after the year 1882-83, the large item shown in that year being probably that of the temporary remissions granted on account of damage by locusts.
8. The average prices of the four most important grains grown in the district both for local consumption and export in the period of the settlement, when contrasted with those of the 10 years immediately preceding, show a considerable rise all round. During the 18 years, 1868-69 to 1885-86, a slight fall is shown in the case of bajri and wheat, the effect of the few high priced years following the year of dearth being rather more than discounted by that of the last 5 years of lower prices which supervened; but even with this drawback the average prices of the last 18 years are more than 60 per cent. in advance of those of the first decade of the lease, and there can be no doubt that the margin of profit left to the cultivator has much expanded under the existing assessment.
9. A review of the preceding facts warrants the opinion pronounced by Mr . Fletcher to the effect that the various indications of prosperity and solid advance which are to be found in the statistical returns justify the imposition of the moderate enhancement of the existing assessment which the revised rates proposed by him will effect, if sanctioned by Government.
10. The revenue history of the 97 Dangi villages exhibits a considerable and stoady degree of progress. In the first eleven years of the existing settlement the area of Government land in cultivation shows an increase of 17 per cent., with an increase in assessment of 8 per cent. In the 3 years following the increases are 52 and 35 per cent. respectively. Thence onwards for another 13 years ( $1860-61$ to $1872-73$ ) extension of cultivation continued steadily. During the succeeding 10 years ( $1873-74$ to 1882-83) a slight decline with fluctuations, is observed, but from that time onwards there has been a continuous rise in area and revenue until in 1885-86 both reached their highest figures. The contrasted figures of 1860-61 (when the leased areas of Mál land first appear on the record as occupied Government lands) and of $1885-86$ show an increase in the latter year of about $38 \frac{1}{2}$ per cent. on area and about 27 per cent. on revenue. .In the case of the five villages formerly of Taluka Junnar the contrasted figures of the first year of the survey settlement (1850-51) and 1885-86 show an increase of 105 per cent. in area and about 62 per cent. in revenue.
11. The distribution of the 97 villages into groups for the revised assessment which Mr. Fletcher has proposed seems well considered and appropriate. At the original settlement no graduation of rates on the ground of differences in situation and facilities of communication was called for or made. In the interval the construction of good made roads and the practicability of access to the railway in one quarter render a modification of the original general scheme desirable and necessary. The details of the changes proposed are clearly exhibited in paragraph 39 of Mr . Fletcher's report and, with the aid of the map of the district, are seen to be based on a discriminating study of the topography of the country. In the first class with a maximum rate of Rs. 1-14-0 is one village (Rajur), which is the principal market and adjoins the western boundary of the second group of villages in the settled Deshi tract. In consideration of the more hilly nature of its lands a trifling decrease in the maximum rate sanctioned for the said group has been properly proposed. In the second class, with a maximum rate of Rs.1-10-0 are the market town of Kotal and five villages lying between it and Akola, with a made road connecting the two towns. The proposed maximum rate is suitable, both relatively to that of the first group and that of the Deshi villages in the vicinity which are almost similarly situated. The third class contains four villages lying to the east of those of the second class and possessing inferior communications, and two other villages situated to the north of the first class but having much greater difficulty of access to Akola. The maximum rate proposed for these villages is Rs. 1-8-C which is appropriate, being the same as that of the adjoining villages of the Deshi tract settled last year whose conditions are very similar. In the fourth class, with a maximum rate of Rs. 1-6-0 are comprised 21 villages, many of which are in the Pravara valley and border either side of the made road leading eastward to Rajur. Three villages of this group adjoin Kotal on its west
boundary, possessing a somewhat :similar climate to that of the second group but communications much inferior. In the fifth class are 5 villages lying to the south-east of Kotal and adjoining villages of the Deshi tract which were settled last year under a maximum rate the same as that which is now proposed for the present, viz, Rs. 1-4-0. This distribution and rating are appropriate. In the sixth class are placed thirty-seven villages in two divisions lying to the north and south of the fourth group, those in the south divisions possessing a somewhat inferior climate to those of the north but "having an advantage in the existing means of exporting their produce. At the same time the villages of the Northern Division which are most distant from the made road are compensated by having a more open country and, moreover, possess a means of exit into the Sinnar Táluka on their north. The maximum rate proposed is Rs. 1-2-0 and this is appropriate. The seventh group contains twenty-six villages which occupy the extreme south and south-west tract of rough country. The climate is very moist and cart tracks are almost unknown. The maximum rote is Re. $1-0.0$, which assimilates with that of almost all the villages of the Junnar Taluka, which border this group.
12. The area of Government rice land is about one-twentieth of the total cultivated area and of it nearly 50 per cent. is new. The latter lands have been treated for classification and assessment in the same way as similar lands in the Deshi villages settled last year, an explanatory description of which system is given by Mr. Stewart in paragraph 10 of his letter to Government to be found at page 57 of Government Selection No. CLXXXIV., New Series. The maximum rates for rice lands proposed by the Superintendent range from Rs. 8 to Rs. 6 and are shown to be suitable by the fact that the effect of their general application is to enhance the average assessment per acre by only one anna and six pies on Rs. 1-8-4 or 6 per cent. No useful comparison can be made between the old and the new maximum rates, as the two indicate two almost entirely different conditions of things and system.
13. Of the total irrigated Government area ( 512 Acres) 102 acres are under wells and the remainder, 410 acres, are watered by paths from streams which are, however, useful for raising only the less valuable garden produce. The area of Government garden land has increased 150 per cent. during the existing settlement. The old average assessment per acre is Rs. 2-9-0. The present 102. acres of Motasthal land (asseased strictly according to the orders of Government), will pay Rs. 150 equal to Rs. 1-7-6 per acre; and the 410 acres classed as Pátasthal will pay Rs. 966, equal to an average assessment per acre of Rs. 2-5-8. Contrasting these last figures with the corresponding figures of similar land in villages of the Deshi tract the average rate per acre of Pátasthal land is about 25 per cent. lower in the Dángi villages.
14. The Superintendent shows in his paragraph 43 the estimated effect of the application of his proposals in respect of classing and rating both in detail of classes and in the tract as a whole. The net enhancement on the occupied area, though shown to be equivalent to 23.8 per cent. is in reality less, because some 15,000 acres of Government land are included in the present occupied area which, under the former survey, have paid no assessment. Allowing for this the actual net increase by the revision settlement is only 10 per cent. as represented in another form by the difference (increase) between the revised average rate per acre of annas 5 pies 4 , and the existing average of 4 annas and 10 pies. In the case of the one village included in Class I. the explanation offered by the Superintendent of Survey of the apparent excessive enhancement of a group is not necessary, and its justification need not be considered applicable to the case in point. The explanation given by the Superintendent of Survey of the very small increase of assessment which will result in the case of the six villages placed in Class III. is doubtless the correct and only possible one. In the case of individual villages excessive increases are, on the other hand, due mainly to the differences in area according to the two surveys, and this fact is exemplified in paragraph 44 of Mr. Fletcher's report by the details. of two extreme instances. In one (Kumshet) the differences between the former and revision survey areas is that of a total of 20 acres of dry-crop land against 69 acres, of which 34 acres are cultivated as rice but assessed according to rules at dry-crop rates. "In the
other village (Shirpanj Khurd) the diferenceit area is that of 82 acres of dryorop land as against 205 acres. The old and revision survey rice areas differ but little, and the assessment of each is the same.
15. It will be seen from reference to the figured statement given under paragraph 46 of the Superintendent's letter that the enhancement which will result in the average rate per acre of oecupied Government land of all descriptions is 6 pies on 4 annas 10 pies, anincrease of assessment which must be admitted to be sufficiently moderate.
16. The District Deputy Collector has examined the resettlement proposals and recorded his approval of the grouping as judiciouss and the rates assigned to them as moderate and suitable. The Collector häs also expressed his entire concurrence in the Superintendent of Survey's proposals, and the revision settlement which will be based on them. I do not, therefore, hesitate to recommend that the revised rates should be introduced in the ensuing field season and guaranteed for a period of 28 years, dating from that of their actual levy. This will expirs along with the lease which has been sanctioned for the rest of the taluka, namely in the year 1915-16. The concession granted in paragraph 11 of Government Resolution No. 3541, dated 4th May 1885, to ocoupants in the Igatpuri Táluka whose assessment was much increased, should be extended to similar cases in the present villages.

> I have the honour to be,
> Sir, Your most obedient Servant,
A. S. BULKLEY, Acting Survey and Settlement Commisisioner. (Forwarded through the Commissioner, C. D.)

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\text { No. } \frac{\mathrm{R}_{\mathrm{f}}}{\mathrm{a} 4 \mathrm{~s}} \text { or } 1887 \text { : }
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From

> ARTHUR CRAWFORD, EsquIRE,
> Commissioner, C. D.;

To
Tha ACTING CHIEF SECRETARY to GOVERNMENT,
Revenue-Departmeat.
Poona 6th September $188 \%$.
Sir,
I have the honour to submit for the orders of Government the papers

1 Letter No. 512 of 21 st April 1887, from Mr. Fleteher, with accompaniment. Memorandum No. 921 of 17 th May 1887, from Ráo Bahadur N. B. Mule.
Memorandum No. 2724 of 18th May 1887, from Mr. Waddington.
1 Letter No. 1396 of 9 th August 1887, from the Survey Commiasioner.
marginally noted, relating to the revision survey and settilement of 102 villages in the

Akola Táluka of the Ahmednagar District.
2. The proposals for the Dáng Section of Akola Taluka which are embodied in these papers form a corollary to those for the Deshi or champaign Section which were submitted and sanctioned last year (Government Selection. No. CLXXXIV, New Series).
3. The great diversities in physical features, climate, rainfall, mode of agriculture and facilities of communication between the Dáng and the Desh portions of the taluka necessitated their treatment at the original settlement on an entirely different basis. Mr. Fraser Tytler's interesting report clearly shows how impracticable it was in 1849 to enforce the survey system in its entirety in the Dángs.
4. The 40 years or so that have passed since Mr. Tytler's first attempt to reduce the old chaotic condition to some kind of order and method, have howover brought about vast progress in the moral and material condition of the
country." It is, therefore, only natural that with our improved methods of measurement and classification we should now be able to assimilate the assessment system in the Dángs with that which prevails in the neighbouring country.
5. The operations of the old survey settlemencesyere carried out through the agency of the Mámlatdar's establishment, and the work was therefore necessarily wanting in accuracy. A thorough remeasurement and reclassification has now been made and Mr. Fletcher has satisfactorily explained the difference in numbers anitareas at the old and the new survey.
6. The information supplied by Mr. Fletcher in the various appendices touching the 登edide history of the Dángs, its population and agricultural resotrece, indiogiee a steady progress in the prosperity of the district which quite warrants a móderate enhancement of the old assessment.
7. Mr. Fletcher has divided the villages into 7 groups, the maximum rate of the lighest group being Rs. 1-14-0 and of the lowest Re. 1. The maxima have been fixed with due regard to the rates prevailing in such of the neighbouring villages as have already been settled.
8. The net result of the proposals is an increase of Rs. 8,349 or 23.8 per cent. on the old assessment, which is unquestionably moderate. Mr. Fletcher's explanation of the abnormal increase of assessment which is apparent in some of the villages is satisfactory. The fact that Rajur is the only village in the first group should also be held to account for the percentage increase of assessment in that group being far in excess of one-third.
9. I consider the proposals to have been most carefully worked out and have no hesitation in recommending them for the approval and sanction of Government.

> I have the honour to be, Sir, Your most obedient Servant,
> ARTHOR CRAWFORD,
> Commissioner, C. D.

## Revenue Survey and Assessment: Introduction of the revision settlement into 102 Government villages of Akola, which form the Dángi or hilly portion of the. Akola Táluka of the dhmednagar District.

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\text { No. } 835 .
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## Revenue Drpartarit.

## Bombay Castle, 6th Febraary 1888.

Letter from the Commissioner, C. D., No. è.- 3444 , dated 6th September 1887-Submitting

Letter trom the Superintendent, Poona and Nasilk and Soothern Maratha Conntry Revenue Sarreya, No. 512 , dated 2 let April 1887, with accomipanimenta.
Memorandom Arom Rao Batadur N. B. Mule, Dittriet Depaty Col-

Memorandlam from the Collector of Ahmednagar, No. 2724, dated 18 th May 1887 .
Letter from 'the Srrvey and Settiement Commisioner, No. 1396, dated 9th 4 uguat 1887 .
Letter from the Commissioner, C. D., No. r.-5221, dated 16th Deeember 1887-Furnishing
Letter from the Commissioner, C. D., No. R.- 5221 , dated 16 th Deeember 1887-Furnishing last.

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for 30 years, rice lands and, in a few villages, other superior soils were alone gin, relating to the revision settlement of 102 Government villages of Akola, which form the Dangi or hilly portion of the Akola Taluka of the Ahmednagar District.
regularly assessed. The secofd settlement which dealt with the remaining lands and superseded an unsatisfactory system of temporary leases, was sanctioned by Government Resolution No. 3799 of 20th October 1860, by which the assessment rates fixed were guaranteed for a period which was to expire at the end of the 30 vears' tern of the settlement guaranteed for rice lands. Owing to the absence of skilled subordinate agency the survey methods employed were necessarily rough, and the metrits of these two settlements, whicinthough separately introduced were in all essential particulars of the same natiles.lay in the fact that four distinct methods of cellecting the revenue, each unferitain and difficult to check, were in a pilly difficult and unkealthy fiffet of country, superseded by a uniform system of field assessment and theway fras thus paved for the application of the ordinary methods of the revenuef fartey at the expiry of the period of guarantee.
2. As a natural consequence of the roughness of the original survey work entire remeasurement and reclassification were found pecessary at the revision survey to which the present reports relate. The detailed results of these operations need not be here referred to; but the large decrease in the area of lands classed as waste, and the corresponding increase in the rice, garden and dry crop areas, are noticeable.
3. Mr. Fletcher has given a full and clear description of the tract of country under consideration, has carefully compared its present condition with its condition at the commencement of the leases and, in paragraph 37 of his report, has concisely summarized a series of facts which show that the present assessment has been paid with ease and punctuality, and that material improyement to a marked extent has taken place since the introduction of the original settlements. These facts considered in connexion with the general and marked rise which has taken place in the prices of staple produce are in the opinion of Gövernment sufficient to justify the moderate increase of assessment now proposed.
4. Owing to the fact that this tract of country adjoins, on the East, Weat; and South respectively, the Deshi villages of Akola, the Igatpuri Táluka of Násik, and the Junnar Táluka of Poona, in all of which revised rates have recently been introduced, there can be little difficulty in fixing a suitable range of assessment rates for dry-crop lands; and Mr. Fletcher's reasons for proposing that they should vary from Rs. 1-14-0 to Re. 1 are evidently sound. As regards assessment groups also, of which seven have been formed, there is room for little. doubt as to the suitability of the proposals submitted by that officer and unanimously recommended for sanction by the Collector, the Commissioner, C. D., and the Acting Survey and Settlement Commissioner.
5. The maximum rates proposed for old rice land range from Rs. 8-the rate already applied to the Deshi villages of Akola-to lis. 6 per acre, and are accepted as suitable by all the officers whose reports are before Government, though; for the reasons mentioned by Mr. Fletcher, any comparison between them and the original rates is impossible. New rice laud has been in all cases assessed within the ordinary dry-crop rates. The garden rates proposed are also unanimously recommended for sanction and the Survey and Settlement Commissioner shows that the average assessment on Patasthal is about 25 per cent. lower than in the Deshi villages already dealt with. In assessing. Motastmal the orders of Government have been closely adhered to.
6. The net result of the adoption of the proposed rates will be an increase of the present assessment (Rs. 40,501 ) by Rs. 7,857 . In the case of Government occupied land the percentage increase will be only 23.8 and even this is due almost entirely to increase in the occupied area. Abnormal increases in. individual villages are sufficiently explained.
7. Government do not consider it altogether satisfactory that these papers. -were submitted to Government for sanction for the proposals contained therein without any reference being made to the notifications ordered to be published by Government Resolution No. 7447 of 21 st October 1886, though subsequent correspondence shows that they had been published and petitions had been received from the inhabitants of five villages. The Collector's attention should also be called to the fact that the procedure enjoined by that Resolution does
not appear to have been followed in this case. Government concur however with the Acting Survey and Settlement Commissioner and the Commissioner, C. D., that the petitions received disclose no grood reasons for altering either the groups jor the maximum rates proposed by Mr. Fletcher.
8. The proposed rates are sanctioned and should be introduced with as little delayf possible. The ferm of guarautee should be fixed so ads to expire concurefidy with that of the Deshi villages of Aksla of whiah the revision settlement 4 sis been sanctioned in Government Resolution No. 2587, dated 5th April 1886.

J. DeC. ATKINS,<br>Onder Secretary to Government.

To
 Bevenue Survey.


[^0]:    Government Resolation Na 3799 of 20th October 1860.

[^1]:    * The figares of 1859-60, the actaal year of introdaction of the Mal settlement, evidently include much land which the lease holders threw up when it was made to pay a regalar assessment; I take therefore the succeeding year's figures as more truly showing the actual state of things.

    B 1292-3

[^2]:    - Nors.-The average percentage error in the classification is calculated on the difference in the assessment of each field as ascertained by the European test compared with the result of the Native classifier's work. Thus, the assessment of a field as classed by the Native Tarram is Rs. 3-11-0, but according to the test Rs. 3-14-0, difference 3 annas; percentage error in the assessment of the field is $4: 83$.

[^3]:    * N.B.-The proposed period for the new rice, jirdit and garden rates is 30 years.

[^4]:    N. B.-The accounts on which this diagram is formed were made out in ths first instance by the Mámlatdár; they were then entirely re-made in my office; I believe them to be as correct as our past accounts admit of.

    в $1294-17$

[^5]:    * Note.-The Dang is deluged with rain for 5 months; after this rice lands are full of water : it is difficalt to measure them even in December and their classitication can only be commenced in Jaquary, leaving only five months for this work. I have allowed 6 months in my calculatiop of the entire period. Even in these months severe sickness often prostrated workmen.

    в 1292-18

[^6]:    Note 1.-Fractions of rupees and acreas ars here omitted for the aske of clearness ; they are included in the Totala.
    Note 2.-The nature of past management and atate of recorde hitherto render it imposaible to ascoertain what portion of the aume exhibited in columne 2 , 3 , 4,6 , have severally fallen on rice lend, dry.crops, gerden land, to. $N, B$, 一The new assessment has not yet been worked out with perfect acouracy : the above ib, however, sufficiently correct for present purposes.

[^7]:    * A field within a field used in the Northern Deccan Survey when it is necessary to sub-divide a field without deatroying the numbering, or series of the larger portion of land into which a village is divided.

[^8]:    Government letter, 22nd September 1848, No. 5593 (Para. 45).

