798-C

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

Read the following :—

No. 192E. Proceedings of the Board of Revenue, dated 18th September 1871, No. 4,001.

Read the following letters :—

From the Acting Director of Revenue Settlement, to the Acting Secretary to the Board of Revenue, dated Jummalamadugu, 22nd July 1871, No. 1,469-42.

I HAVE the honour to submit the Annual Report on the operations of the Revenue Settlement Department for the past official year 1870-71, and to forward the usual appendices showing outlay in money and outturn in work.

2. FINANCIAL EFFECT OF THE SETTLEMENT LATELY INTRODUCED.—Before entering upon these latter details of the past twelve months I will, in accordance with the usual custom, endeavour to show clearly the results of the recent settlements made by this department.

Kistna District.—The Masulipatam portion of this district, comprising the four taluqs* mentioned in the margin, came under the new settlement in Fasli 1276, (1866-67,) when the land revenue, according to the then newly introduced rates, was Rs. 6,85,321. The demand for the past year, however, amounts to Rs. 8,05,202, which is not only Rs. 45,425† above that of its predecessor, but upwards of 2¼ lacs, or 40 per cent. in excess of the Government realizations of the year preceding the introduction of our new settlement rates, as shown in the following statement :—

* Bezwada, Gudivada, Nandigam, Bandar.

		Rs.
† Fasli 1280...	... ...	8,05,202
,, 1279...	... ...	7,59,777
		45,425

	Rs.
Fasli 1275, previous to the introduction of Settlement	5,79,350
Demand of Fasli 1280...	8,05,202
Increase...	2,25,852

Considering the anxiety which has been caused by the unwillingness of the Kistna ryots to avail themselves of the proffered water, this result must be deemed eminently satisfactory. When writing upon this subject Mr. Boswell states as follows :—"Notwithstanding the heavy relinquishments of land in Fasli 1278, (1868-69,) the extent taken up again in Fasli 1279 and since more than counterbalanced them. The general outcry against irrigation, as calculated to destroy lands by the prevalence of the saline efflorescence known as "Choudu" in the Gudivada lands, has gradually subsided."

Chellumbrum and Manargoody Taluqs of South Arcot, now called Chellumbrum Taluq.—The returns received from Mr. Garstin show that the land revenues of the last Fasli exceed those of the previous twelve months by Rs. 3,720, and that last year's results were Rs. 2,883 in excess of the revenue derived from these taluqs during the Fasli previous to the introduction of the new settlement. Considering the small amount of waste land available for new cultivation when the reductions were made at the time of settlement, and the consequent slight hope that

existed of the former beriz being eventually maintained, this increase during the past revenue year must be deemed consolatary. I annex a statement showing the above-mentioned results :—

Beriz of Fasli 1270, previous to Settlement.	Beriz of Fasli 1279.	Beriz of Fasli 1280.	Difference of Faslies 1270 and 1280.	Difference of Faslies 1279 and 1280.
5,20,605	5,19,768	5,23,488	+2,883	+3,720

3. The returns have not yet been received from Kurnool, Trichinopoly, and Godavery, and I must, therefore, furnish the results of these settlements subsequently, together with remarks on the average quotations of prices throughout the year when compared with the commutation rate, as I do not wish any longer to delay the submission of this report which is already over-due.

4. Proposals for the Settlement of other Districts—*Pattikondah.*—As represented in paragraph 11 of the Annual Report for last year, the settlement scheme for the Pattikondah Taluq was submitted* to the Board after I had visited that part of the country and gathered as much information as possible, within the time allowed, from the local Revenue Officers and resident ryots. The proposed settlement results in an increase of assessment, including the road and village cesses of Rs. 52,175, or 27·84 per cent. on the present realizations. This scheme has met with the Board's concurrence, and the enhancement is owing to the higher commutation rate, the excess of 8 per cent. in area by correct survey measurement, the addition of 3⅛ per cent. to the road cess, and the levy of 6¼ per cent. as a new item on account of village service cess. The report will show that although the land itself has been, we may say, leniently assessed, the extra cesses and enhanced commutation rate raise the demand upon this taluq 27·84 per cent., as above stated.

* 2nd November 1870, No. 1,823-57.

	Rs.
Proposed Settlement beriz	2,19,054
Village service cess at 6¼ per cent	13,691
Road cess at 3⅛ per cent	6,845
Total...	2,39,590
Jummahbundy beriz of Fasli 1274...	1,87,415
Increase...	52,175
Per-centage...	27·84

Guntoor portion of the Kistna District.—By the Board's Proceedings, dated 9th March 1870, No. 1,628, certain important modifications were proposed to be made in the scheme originally submitted by this department; but when the financial results of these proposals and emendations were worked out in this office they were found to be far higher than was anticipated, and palpably higher than this division could bear. The Board therefore, after taking into consideration the representations made in my letter of the 19th July 1870, submitted their views to Government in Proceedings dated 9th January 1871, No. 86, recommending that the same commutation rate should be taken for this division of the province as has already been taken for the Kistna portion, and that certain alterations should be made in the grouping of villages. By these arrangements the increase in revenue derivable under the new settlement will, including the cesses, be Rs. 4,22,515, or 18·40 per cent. above the realizations of Fasli 1275, the year of comparison. It may be said that the extra cesses are matters beyond the pale of *bonâ fide* Revenue Settlement work, and should find no place in this report; but it must be remembered that the payment of these novel imposts is as much a demand upon the ryot's paddy and jonna crop as the land revenue itself, and that as he possesses, as a rule, no extraneous means of

	Rs.
Increase in Land Revenue proper	1,89,439
Increased road cess at 3⅛	77,692
Village cess at 6¼	1,55,384†
	4,22,515

† Note.—From this sum, however, must be deducted Rs. 95,000 odd now paid by the ryots in the shape of fees, which they will discontinue when the cesses come to be levied under the Act.

income the more we increase the cesses the more we actually take as the Government or Circar share of the produce. The mere fact of calling them "local dues" does not make them any the less a virtual enhancement of the ryots' "Puttah beriz" or "annual Land Revenue payments to the State." It is true that the Guntoor ryots obtain some set off against the village service cess by withholding in future the fees usually paid, but the Salem ryots have no compensating element of this kind.

Nellore.—Mr. Rundall has submitted a very complete and carefully drawn up report for the six taluqs comprising the Principal Division of this district. The results of the Deputy Director's proposals will give an increase under the item of Land Revenue proper of Rs. 1,49,302, or 13 per cent. upon the revenue of Fasli 1277, the year of comparison. The enhancement will fall chiefly upon the wet lands, which, in many instances, exhibit a very large increase in area owing to concealed cultivation being brought to light by the survey. This report has just been printed, and will now be taken up and submitted to the Board as soon as practicable.

—	Present assessment.	Proposed assessment.	Increase.	Per-centage.
	Rs.	Rs.	Rs.	Rs.
Land Revenue...	11,75,081	13,24,383	1,49,302	...
Road Funds	31,270	41,387	10,117	...
Village Service Cess	26,820	82,774	55,954	...
Total..	12,33,171	14,48,544	2,15,373	17

Cuddapah.—Mr. Cox's settlement scheme for the four taluqs of Jamalamadugu, Proddatur, Koilguntla, and Cuddapah was forwarded at the close of the year, and is now under consideration. His proposals are very clearly made, and would yield an increase of Rs. 72,439, or 9·35 per cent. to the present land revenue demand proper. I cannot yet say whether Mr. Cox's recommendations for these rich cotton-producing tracts are likely to be upheld by Government or not until I have gained a certain amount of local information, and this I hope to acquire by personal inspection and investigation before sending on the report with my remarks.

	Rs.	
Proposed assessment ..	8,26,033	
Present do. ..	7,53,594	
Increase ..	72,439	9 35 per cent.

Chingleput.—I submitted the report to Government upon the assessment it would be proper to levy upon the lands in the Sydapet and Ponnery Taluqs under the irrigation of the Cholaveram and Red Hill tanks, lately improved and enlarged in connection with the Madras Waterwork Project. It was anticipated thatt he enhanced revenue from the lands under this extended system of irrigation would tend very considerably to yield a handsome return on the money laid out on the water-works. But although the scheme of settlement I submitted showed an increase of 17·47 per cent. on the present occupied area the land, both cultivated and waste, is so poor and unproductive that it is impossible to look for any large return in interest from this source. The report is now before Government, and subsequent experience has induced me to believe that my recommendations are rather more favourable to the project than strict justice to the ryots will eventually permit.

	Rs.
Proposed assessment	76,453
Present do.	65,080
Increase...	11,373
Per-centage...	17·47

Salem.—The reports upon the Salem red soils and the village service cess were submitted during the year, and the questions have been finally disposed of by Government. These two subjects will be fully explained when detailing the progress made in the final settlement of this district—*Vide* paragraph 20.

5. Scene of operations during the year.—In Cuddapah the combined party carried on demarcation and classification mostly in the Muddenapaly Taluq. In Nellore the classification was completed, whilst in Salem Mr. Goodrich was actively employed in introducing the new rates of settlement as authorized by Government. Work of a miscellaneous kind, which had to be completed in the Kistna, was executed by the comparatively few hands retained pending orders on the final settlement of this division, and a small party under my supervision was engaged in the classification and settlement of the taluqs of Sydapet and Ponnery. Finally, the new survey areas were introduced into the Pulladum, Suttiamungaium, and Perindoray Taluqs of Coimbatore; thanks mainly to the aid furnished by Major Hessey, Deputy Superintendent of Revenue Survey. Had not my budget for the current year been so pared down both by the Madras and the Supreme Governments I might have now been engaged on the settlement of that district.

6. The Statements in Appendix A. represent in detail the outturn of work and its cost to the State in each branch for each district, and the annexed return both gives the results at one view and furnishes a comparison between those of the past and the preceding year.

Comparative Statement showing the extent of square miles and expenditure and average cost per square mile for the official years 1869-70 and 1870-71.

Names of Districts.	Classification: Extent in square miles.		Classification: Expenditure.		Classification: Average cost per square mile.		Total.		Extent in square miles.		Demarcation: Expenditure.		Demarcation: Average cost per square mile.		Difference between Columns 14 and 15.
	1869-70.	1870-71.	1869-70.	1870-71.	1869-70.	1870-71.	1869-70.	1870-71.	1869-70.	1870-71.	1869-70.	1870-71.	1869-70.	1870-71.	
1	2	3	4	5	6	7	14	15	8	9	10	11	12	13	16
			Rs.	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.			Rs.	Rs.	Rs. A. P.	Rs. A. P.	
Godavery	...	...	800	2,619	...	...	800	2,619	...	...	...	...	...	...	+ 1,819
Kistna	29	16	13,965	5,637	...	...	19,964	13,495	...	27	...	7,858	...	...	— 6,469
Kurnool	...	...	7,291	11,696	...	...	9,452	13,798	...	...	...	2,102	...	...	+ 4,346
Cuddapah ...	1,041	889	45,910	43,417	50 7 3	62 14 10	98,971	98,736	1,368	906	55,319	53,061	50 1 1	57 7 1	— 235
Nellore	25	21	50,274	46,511	38 15 4	...	52,941	49,356	...	...	2,845	2,667	...	...	— 3,585
Salem	2	25	22,687	67,980	...	...	22,951	69,254	2	...	1,274	364	...	...	+ 46,303
Trichinopoly ...	...	...	5,503	1,271	...	...	5,503	1,271	...	...	...	...	...	...	— 4,232
Chingleput ...	...	147	...	9,377	...	63 12 8	...	9,377	...	...	...	...	...	...	+ 9,377
Tinnevelly ...	...	...	50	...	...	...	2,849	2,224	...	...	2,799	2,224	...	...	— 625
Total...	1,097	1,055	1,46,380	1,88,508	...	...	2,13,431	2,60,130	2,203	933	67,051	71,622	...	...	+ 46,699
Charges not debitable to parties, viz., cost of Settlement Establishment under the Collector of Tinnevelly	...	...	...	...	...	...	22,155	17,427	...	...	...	...	...	...	— 4,728
Grand Total...	...	...	...	...	...	...	2,35,586	2,77,557	...	...	...	...	...	...	+ 41,971

7. There is a falling off both in the area classified and the area demarcated, owing mainly to the Nellore party having completed all out-door work, and being engaged in settlement duties, pending orders upon their next scene of field operations. The question whether North Arcot should be taken in hand remained for some considerable time under discussion, and thus the field work of this party, which in 1869-70 stood at 3,301 square miles, shows only 2,006 for the year under discussion. Another cause of falling off was that a recess of three months was granted to the Cuddapah party, as they required rest after three years of almost constant out-door work, and had moreover to write up many accounts which are usually retained for this period passed under the shelter of the office.

—	Last year, square miles.	In this year, square miles.	Difference, square miles.
Demarcation ...	25	21	4
Classification ...	1,268	178	1,090

8. The area given in the margin of the preceding paragraph does not include the extent of country comprising 1,320 square miles, which was re-examined and brought under final settlement rates in Salem. This identical area having been formerly credited to new classification it could not again be shown as work under that head, although the re-adjustment of the rates and arrangements for their final introduction occupied the time of a full Deputy-Director's party.

9. There is an increase this year in the expenditure of Rs. 46,699, owing to the Salem party having been at work during the entire twelve months, whereas in the year preceding eight months elapsed before this establishment was sanctioned and organized, and thus only four months' outlay was debited to 1869-70.

10. Work done and Expenditure incurred in each District—*Kistna.*—As already mentioned a small party was retained in the Guntoor portion of this district under the Uncovenanted Assistant to finish up what remained of settlement work, pending orders of Government upon the settlement proposals submitted for this portion of the province. The work performed may be thus briefly stated.

(1.) New demarcation, classification, and survey of waste lands recently taken up for cultivation, and of the lunkah lands in the Kistna Islands.

Items.	Number of Villages.	Acres.
Demarcation...	80	10,345
Classification...	80	9,566
Survey...	124	15,040

This work was scattered over portions of many villages, and thus loss of time by travelling, etc., was occasioned. The number of demarcation marks erected stands thus—

Field marks	4,890
Khandam do.	151
Total ..	5,041

The stones are of good size and shape.

(2.) Minor holdings, to the number of 11,549 contained in 2,825 survey numbers, were measured out, and the areas calculated. This work extended over 198 villages.

(3.) In office the writing of Settlement Registers of the Guntoor portion of the district, the correction of the same up to date, and completing the remaining registers for the Masulipatam Division were among the chief duties performed by these few hands.

In the Central Office the registers of 15 villages were printed, thus completing the whole of the Masulipatam Division with the exception of one village, concerning which some details have

yet to be received. Twenty-eight volumes containing the registers of 119 villages were bound, and the leather covers for the Curnams' copies of 147 villages were fully prepared and despatched. This branch of work for the Masulipatam Division may now be said to be out of hands, and those registers not already bound and despatched to Bunder are now complete and ready for shipment.

There is a decrease of Rs. 6,469 in the cost of this party when compared with last year, owing to the printing work drawing to a close and the transfer of field hands to other parties.

11. *Kurnool and Cuddapah.*—The combined party working under Mr. Cox has charge of these two districts, and field work was mainly carried on in the Muddenapally Taluq of Cuddapah, which was all but out of hand at the close of the year as regards both classification and demarcation. The gross outturn of work was 889 square miles of demarcation and 690 of classification. The falling off is mainly attributable to three months spent in office on recess, to far heavier rains last year, to more travelling in order to take up a new taluq, and to more boundary work, the result of which cannot be shown in this year's returns, as the field demarcation was not completed.

12. Sickness and vacancies still tend to retard the outturn of work of this party, as no less than 3,179 days appear as "lost" under the former head, and 4,418 under the latter. I regret to say that during the last year not only have eight well-trained employés died from the effects of the climate of Cuddapah, but that Senker Row, the Deputy-Director's Sheristadar, likewise fell a victim to the fever so prevalent in this district. Senker Row was a valuable servant with great experience, and as yet I have been unable to find a really suitable person to fill his place. Although the dread of "Cuddapah" frightens away public servants as well as private, I cannot but think that more might have been done to keep in reserve a body of trained local volunteers to supply vacant posts, and thus prevent such serious losses under the head of "Vacancies." During my recent visit to the Cuddapah District I directed the Deputy-Director's attention particularly to this matter.

13. The total number of marks set up during the past year may be thus given—

Theodolite boundary pillars	125
Do. secondary do.	1,624
Khandam pillars	30,452
Other marks	6,231
Field do.	5,81,580
Total...	6,20,012

The causes of the falling off when last year's figures are looked at, have been already mentioned in paragraph 11.

The material used for these marks has been almost universally good granite. The blocks have been quarried by burning, and are firmly embedded in the ground. I have inspected a good many villages and found the demarcation correctly and substantially executed. The field stones are of excellent quality and larger than those usually seen. They might, however, be somewhat more uniform, but a little attention at the quarries to this point would soon correct this want of similarity. In Kadri I have arranged that this improvement should be made, and trust that by a little management the stones may be neatly split as required without any additional outlay to the ryot.

The cost of the various marks, including value of stone quarried, carriage, and fixing in the ground, is as follows :—

	Rs.	A.	P.
Boundary stone marks	0	8	0
Do. auxiliaries	0	7	4
Khandam stone marks	0	8	0
Do. auxiliaries	0	7	4
Field marks	0	2	3

Proceedings of the Madras Government, Revenue Department, 14th May 1872.

I wish that the number of stones put down could be diminished, but as the Cuddapah ryots object to the relinquishment or exchange of even a foot of land they want all the bends to be marked. Small Inam holdings are likewise very numerous in the irrigated tracts, and this increases the expenditure of stones, as these Inams, however small, cannot be clubbed either together or with Government lands.

14. Experiments to the number of 606 were made by this party in the outturn of crops, the Deputy and his English Assistants taking part in this testing of produce.

During the recess the following essential tasks were performed in addition to current and other minor duties :—

Items.	Villages.	Number of fields.
Comparing Sketches, Field Registers, and Classification Register...	165	1,50,443
Making comparison of old and proposed assessment as per Board's order	106	28,115

15. The measurement of minor holdings in survey numbers was carried on in the Pattikondah, Pullumpet, and Jamalamadugu Taluqs, and the results are as follows :—

Districts.	Taluqs.	Number of villages measured.	Number of survey fields of minor holdings.	Number of minor holdings.
1	2	3	4	5
Kurnool	Pattikondah	92	847	2,114
Cuddapah	Jamalamadugu ..	3	71	188
	Pullumpet	36	3,001	8,058
	Total...	131	3,919	10,360

In Jamalamadugu the measurements were made by the Curnams under the directions and instructions of two Amins detached from the Survey Department.

The Diglott Settlement Registers for 112 villages for Kurnool proper were received at the Central Office from the Deputy-Director, and those for 132 villages were prepared for the Press, while the required number of copies, viz., 30 for each village, were duly struck off.

The total expenditure of the Cuddapah party, including the allotted proportion of the Central Office charges, was Rupees 1,12,534, which shows an excess of Rs. 4,111 over last year, mainly owing to printing charges being heavier, as more registers were turned out by the Press.

16. *Nellore.*—Mr. Rundall's establishment had, at the beginning of the year, only a portion of the Ongole Taluq remaining unclassified, and this task was completed at the end of June. On the 19th May 1870 I submitted proposals that the available field hands should be moved into Chendragherry, the nearest taluq of the neighbouring district of North Arcot. The Board supported this recommendation in their Proceedings dated 28th June following; but considerable discussion followed, and it was not until after the close of the official year that the orders of Government came, directing Mr. Rundall to enter upon North Arcot. But it must not be supposed that the field hands were unemployed during this interval. At first they were engaged in preparing the large amount of detailed information for the Settlement Report of the Principal Division, then in abstracting final classification results for the Sub-division* Taluqs, and subsequently in the preparation of the Diglott Registers for the

* This work was completed for 153 villages, comprising 80,986 fields or holdings.

six taluqs of the Principal Division, the final assessment column and Puttadars' names being left blank until Government orders are received upon the Settlement Report.

17. The field work, which consisted of classification in Ongole, demarcation of newly taken up tracts, and measurements made at the Collector's request, naturally exhibits a falling off from last year, and stands at 21 square miles of demarcation, and 178 of classification.* Mr. Rundall pushed on the writing of the Diglott Settlement Registers very successfully, and thus when orders are received for the introduction of the settlement there will not be the same delay in issuing the printed registers as in Kurnool and Kistna. The work turned out under this head is as follows :—

* The number of demarcation marks erected was

Field marks	3,159
Khandams	76
Total...	3,235

Taluqs.	Number of villages for which Registers are completed.	Number of fields in said villages.
Rapur	37	21,807
Kavali	37	32,367
Udayaghiri	34	23,244
Nellore	92	74,794
Atmakur	44	30,297
Gudur	14	7,694
Total ..	258	1,90,203

Owing to the weather being very trying during the hot season in Ongole the party suffered from fever to a considerable extent ; otherwise the health of the men was good, and no casualties occurred. The rate of classification attained was Acres 137 per man per diem, which is precisely the same as last year. In demarcation the average similarly calculated is 61 Acres against 67 of the year previous when the work was not so scattered, and when a fair proportion was accomplished simultaneously with classification. Experiments were made in the outturn of produce in Ongole in 60 instances. Mr. Rundall has now the results of upwards of 5,000 of these tests of crops duly recorded, so that his settlement "grain values" founded on these data must be regarded as representing a fairly correct, and not a merely speculative estimate of the various crops on various soils.

18. There is a decrease of Rs. 3,585 observable in the expenditure of this party, as Mr. Rundall did not wish to fill up vacancies until the locality for future field work was definitely settled. The charges for printing were also less, as there was not so much demand for Classification Registers used in the field. There was also less outlay under the head of Mounting Maps.

19. As soon as possible, after the receipt of the Government Orders, Mr. Rundall took a portion of his party with him to Chendragherry in North Arcot, and commenced demarcation and classification in that taluq. The operations in this wild and out-of-the-way tract of country will, I doubt not, bring to light much concealed area and concealed cultivation ; but this will form a subject of discussion in my report for the current year to which Chendragherry with its settlement work appertains.

20. *Salem.*—In this district Mr. Goodrich, the Deputy-Director, executed his allotted tasks of revision of the classification and introduction of the new settlement with considerable energy, and the final results would have shown far better had not two important questions arisen which necessarily hindered progress until these could be disposed of by Government. The first of these questions related to the village cess. When the orders were originally recorded upon the Salem Settlement Government were led to believe that the sum of Rs. 94,822, being the amount

annually paid from the Treasury to the village servants, would lapse to the State, and thus become a yearly saving when the Village Cess Act, with its realizations of 6¼ per cent. came newly into operation. Subsequent inquiries showed, however, that this item being derived from resumed Inams must form a portion of the Village Cess Fund, and could not therefore be regarded as an asset of revenue as had hitherto been the case. To meet this reduction in the estimated revenue by the transfer of this sum from the State Treasury to the Village Service Fund the extended cultivation, and the application of the correct survey areas, not known when Mr. Puckle submitted his report, came to our aid, and more than made good the apprehended deficiency. Then arose the question of the rich tracts of red sandy loam which this department pointed out would be unduly and unnecessarily alleviated if existing arrangements were adhered to. After due consideration Government sanctioned the enhancement proposed. Although the disposal of those two subjects involved delay still as they affected the revenues of the province for the next thirty years, and as the results of the new settlement will now be an increase of about Rs. 50,000 in Land Revenue proper instead of a decrease of Rs. 48,000 as originally contemplated, the time occupied in the discussion and subsequent introduction of these measures cannot be said to have been altogether disadvantageously spent.

21. The taluqs of Ahtoor, Trichengode and Salem, were completed as regards final revision of classification ; and similar work progressed in Darampoory, Namcul and Uttengherry. The total area turned out may be thus shown—

Names of Taluqs.	Number of villages.	Acres.	Square miles.
Ahtoor	29	46,269	72
Salem	325	3,49,458	546
Trichengode	98	2,46,558	385
Nameul	82	1,41,524	221
Darampoory	125	39,420	62
Uttengherry	42	21,864	34
Total ...	701	8,45,093	1,320

The result is a gross outturn of 1,320 square miles. As Mr. Goodrich fully sees the necessity of personally visiting a large portion of the work in progress one may conclude that this extensive area has been correctly dealt with.

22. The demarcation and classification of waste lands newly cultivated extended over 15,687 acres, situated in 87 villages ; whilst 82,459 minor holdings comprised in 31,749 Survey numbers, situated in 701 villages, were duly measured out, and their areas calculated and recorded. The preparation of the Diglot Registers engaged attention as in Nellore, and the results of this branch of work are here given—

Names of Taluqs.	Number of villages.	Total number of fields with sub-divisions.
Ahtoor	147	91,475
Salem.	111	26,564
Trichengode	68	30,206
Total ...	326	1,48,245

Although all details were prepared and kept in readiness for the issue of the rough and fair puttas in the taluqs of Ahtoor, Salem Trichengode and Namcul, these final steps could not be taken until the questions above referred to were authoritatively settled; but now that orders have been received the distribution of puttas will progress, and this portion of our work will show well as regards the current year.

23. The outlay of the Salem party shows an increase of Rs. 46,303, as the establishment has been at work for the whole twelve months, whereas it was only retained for a small portion of the previous year, as already mentioned in paragraph 9.

24. *Chingleput.*—The small party at work in the Sydapet and Ponnery Taluqs under my immediate control commenced in June, and classified 94,145 acres, or 147 square miles, situated in 131 villages. More might have been done had not the unusually heavy rains from June to November, the measurement of interstitial fields, the examination of crops, the preparation and submission of the proposed Settlement Report, and the small size of the fields to be dealt with, all delayed work. The measurement of 28,923 minor holdings, comprised in 10,472 Survey fields, was accomplished in 131 villages. This branch of duty, together with its attendant calculations and recording of areas, turned out a heavier task than I had anticipated, owing to these individual holdings being so numerous. The examination of crops went on briskly, and 1,298 experiments were carefully made by this Settlement party in 133 villages. The district authorities also aided us by similarly testing crops in ninety-three instances.

25. The total charge of this establishment, including the proportionate debit on account of the Central Office was Rs. 9,377, and is defrayed from the savings of other parties; no separate Budget allotment having been allowed.

26. *Trichinopoly and Godavery.*—The charges of Rs. 1,271 against the former, and of 2,619 against the latter district are on account of Selections from Settlement Reports, published agreeably to Government Orders, dated 25th October 1869, No. 2,838, and 20th April 1870, No 538.

27. *Tinnevelly.*—The expenditure incurred in this district is debited to the Settlement Budget, although the work is carried on by the Collector under the orders of the Board of Revenue. During the year in question, however, a portion of the outlay must be debited to Chingleput, as some of the Tinnevelly servants were transferred to the latter district. The expenditure, therefore, is as follows:—

	Rs.
For Tinnevelly proper	17,427
For Chingleput	4,313
Total ...	21,740

28. Comparison of expenditure during the year with the Budget sanction.—The following Return shows a saving under each party, and a total surplus of Rs. 47,043. This short expenditure is mainly owing to the outlay provided for on account of the introduction of the settlement in the Guntoor portion of the Kistna not having been incurred as anticipated, further discussion upon the Board's emendations having delayed final orders. Suitable persons were not always available for filling up vacancies, and the charges for printing were less than expected.

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

Thus there was a surplus under these as well as under other Miscellaneous items. A small party was provided for in order to begin work in Coimbatore, but the Survey areas were not then ready, and we could not consequently begin. Last year we had money, but no Survey areas; this year we have Survey areas, but no money wherewith to commence work in Coimbatore, the Budget having been greatly reduced.

	Districts.	Sanctioned amount for the year 1870-71.	Actual expenditure in 1870-71.	Difference.	Remarks.
		Rs.	Rs.	Rs.	
1.	Godavery	28,700	13,650	—15,050	
	Kistna				
	Chingleput				
2.	Salem	82,500	60,525	21,975	
	Trichinopoly				
	Tinnevelly				
	Chingleput				
3.	Kurnool	94,700	90,115	4,585	
	Cuddapah				
4.	Nellore	*40,700	39,137	1,563	* Rs. 1,000 were subsequently sanctioned by Government, dated 12th December 1870, No. 2,009, thus raising the total amount to Rs. 41,700. The expenditure was within the allotment.
5.	Central Office	54,000	52,390	1,610	
	Total...	3,00,600	2,55,817	44,783	
	Tinnevelly Settlement Establishment, Chingleput	24,000	21,740	2,260	
	Grand Total...	3,24,600	2,77,557	47,043	

Statement B. shows in detail the number of boundary marks erected during the year in question and during that preceding. The annexed Return furnishes an abstract of this information:—

Items.	1869-70.	1870-71.
Village Boundaries.		
Villages...	160	166
Khandams or Sub-divisions...	1,286	1,634
Tri-junction pillars	204	125
Secondary ,, ...	4,018	1,624
Other marks on Village boundaries	7,210	6,459
Marks on Khandams	30,307	31,659
Field Boundaries.		
Number of villages	390	340
Villages divided into Khandams ... { Number of villages	157	204
Villages divided into Khandams ... { Do. Khandams... ...	1,530	1,535
Number of fields marked out	1,06,612	82,947
Do. of field marks put down...	6,44,884	5,90,469

29. The next two Statements show first the number of villages and demarcated area made over to the Survey Department; and secondly, the villages and extent for which correct areas were received from that department by this office.

Villages and Areas made over to the Survey Department.

Taluqs.	Number of villages.	Acres.	Square miles.
Royachoty	102	3,70,887	580
Voilpad	12	16,242	25
Total ..	114	3,87,129	605

Villages and Areas received from the Survey Department.

Taluqs.	Number of villages.	Acres.	Square miles,
Cuddapah	54	97,793	153
Proddatur	48	1,45,095	227
Total...	102	2,42,888	380

The Deputy Director in Cuddapah has, moreover, the remaining villages in Voilpad ready for delivery to the Survey Department, and those for Muddenapally must also be well nigh completed as regards final examination, field work being finished in that taluq.

30. With reference to paragraph 13 of the Proceedings of Government, dated 30th June 1870, I may mention that I visited the Salem District four times, Kurnool once, Cuddapah twice, Nellore once, Coimbatore twice, and Chingleput six times, being thus absent on duty from the Central Office 119 days during the year under report.

31. Concluding Remarks.—I should like, if it were possible, to have the classification conducted on more scientific principles; but we cannot expect to procure agricultural chemists for 24 Rs. per month. The Classification tables framed by Mr. Newill and approved of by Government are, as a rule, correctly applied, and I find that the ryots pretty nearly always concur in the fairness of our recorded results, which is a great point. Again, the Supervisors and Head Classifiers having now been many years at this particular duty must have some very good notion of land valuation. To carry out our work properly two points should be prominently borne in mind by the European Officers of the department, 1st, the necessity for constant personal supervision in the field; and, 2nd, the consideration that this should not be regarded as a department working distinctly from the local Revenue authorities, but as one carrying on its duties in full consultation and accord with the district administration for whom the work is being done, and to whom the results thereof will be finally handed over.

32. I have to thank the Deputy Directors, Messrs. Rundall, Goodrich and Cox, for not only perseveringly carrying on the duties of their respective charges, but also for meeting my wishes on all occasions with great good-will and alacrity. Captain Stuart, one of the Assistant Directors, has been lately nominated to act as Deputy Director, which shows he was considered deserving of promotion. Mr. Mayer, the other Assistant Director, might very probably have done more had he had better health. He has gone Home on sick certificate. I am likewise generally indebted to the District authorities, and especially to Mr. Storr, the Sub-Collector of Cuddapah, for the manner in which they have helped us during the past year. J. Lakshmikanta Row, who has risen in the department, and who is now acting as 1st Uncovenanted Assistant in the Central Office, has afforded me material aid; and it is a great point when I am absent on duty to have at head-quarters a Manager like Mr. Williams, who carries on every thing just as well and punctually as if I were there.

Enclosure No. 1.

APPENDIX A.

Statement showing the extent of Demarcation and Classification work performed by the Settlement Parties, and the expenditure incurred thereon, for the official year 1870-71 of the Kistna District.

Items.	Taluqs.	Number of villages completed	Number of villages in progress.	Ayacut area in square miles.	Actual work in square miles.	Cost of field work.	Cost of work in the Office.	Local Superintendence.	Central Office proportion.	Total.	Average cost per square mile.
1	2	3	4	5	6	7	8	9	10	11	12
						Rs.	Rs.	Rs.	Rs	Rs.	Rs. A. P.
Demarcation.	Bapatla	.....	.....	.....	1	155	.....	489	168	812	... ...
	Guntoor	.....	.....	.....	1	205	.....	647	223	1,075	... ...
	Sattinapalli ...	.....	.....	.....	5	245	.....	773	266	1,284	... ...
	Palnad	.....	.....	.....	6	290	.....	916	315	1,521	... ...
	Vinukonda ...	.....	.....	.....	1	197	.....	622	214	1,033	... ...
	Repalli	.....	.....	.....	2	223	.....	704	242	1,169	... ...
	Bezwada	.....	.....	.....	.....	19	.....	60	21	100	... ...
	Nandigam	.....	.....	.....	.....	8	.....	25	8	41	... ...
	Narsarowpet ...	.....	.....	.....	.....	67	.....	213	73	352	... ...
	Total...	.....	.....	.....	16	1,409	.....	4,448	1,530	7,387	... ...
	Cost of Boundary pillars ...	.....	.....	.....	.....	471	.....	.....	.....	471	... ...
	Total...	.....	.....	.....	16	1,880	.....	4,448	1,530	7,858	... ...
Classification.	Bapatla	.....	.....	.....	1	46	.....	145	50	241	... ...
	Guntoor	.....	.....	.....	1	118	.....	373	128	619	... ...
	Sattinapalli ...	.....	.....	.....	4	143	.....	451	155	749	... ...
	Palnad	.....	.....	.....	5	145	.....	458	158	761	... ...
	Vinukonda ...	.....	.....	.....	1	72	.....	227	78	377	... ...
	Repalli	.....	.....	.....	2	211	.....	666	229	1,106	... ...
	Bezwada	.....	.....	.....	1	15	.....	47	16	78	... ...
	Bandar	.....	.....	.....	.....	15	.....	47	16	78	... ...
	Narsarowpet ...	.....	.....	.....	.....	11	.....	35	12	58	... ...
	Total...	.....	.....	.....	15	776	.....	2,449	842	4,067	... ...
	Cost of printing and binding Settlement Registers...	.....	.....	.....	.....	.....	1,245	.....	325	1,570	... ...
	Total...	.....	.....	.....	15	776	1,245	2,449	1,107	5,637	... ...
	Grand Total...	.....	.....	.....	.....	2,656	1,245	6,897	2,637	13,495	... ...

As the work in this district was merely finishing up the settlement details, and clearing off what measurements, etc., were required in the field, the average cost is not given per acre.

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

Jamalamadugu,
22nd July 1871.

APPENDIX A.—(*Continued.*)

STATEMENT showing the extent of Demarcation and Classification work performed by the Settlement Parties and the expenditure incurred thereon for the official year 1870-71 of the Kurnool District.

Items.	Taluqs.	Number of villages completed.	Number of villages in progress.	Ayacut area in square miles.	Actual work in square miles.	Cost of field work.	Cost of work in the Office.	Local Superintendence.	Central Office proportion.	Total.	Average cost per square mile.
1	2	3	4	5	6	7	8	9	10	11	12
						RS.	RS.	RS.	RS.	RS.	RS. A. P.
Demarcation.	Nandikotkur	.....	.....	.....	.....	254	.....	239	129	622	.....
	Nandial	.....	.....	.....	.....	30	.....	28	15	73	.....
	Koilguntla	.....	.....	.....	.....	204	.....	192	103	499	.....
	Pattikondah	.....	.....	.....	.....	86	.....	81	44	211	.....
	Cumbum	.....	.....	.....	.....	68	.....	64	34	166	.....
	Markapur	.....	.....	.....	.....	217	.....	204	110	531	.....
	Total...	.....	.....	.....	.....	859	.....	808	435	2,102	.....
Classification.	Ramalakota	.....	.....	.....	.....	.....	411	387	208	1,006	.....
	Nandikotkur	.....	.....	.....	.....	.....	520	489	264	1,273	.....
	Nandial	.....	.....	.....	.....	.....	297	279	150	726	.....
	Sirwell	.....	.....	.....	.....	.....	630	593	319	1,542	.....
	Koilguntla	.....	.....	.....	.....	510	.....	480	259	1,249	.....
	Pattikondah	.....	.....	.....	.....	461	.....	433	234	1,128	.....
	Cumbum	.....	.....	.....	.....	18	.....	17	9	44	.....
	Markapur	.....	.....	.....	.....	26	.....	24	13	63	.....
	Total...	.....	.....	.....	.....	1,015	1,858	2,702	1,456	7,031	.....
		.....	.....	.....	.....	.....	3,699	.....	966	4,665	.....
	Cost of printing Settlement Registers...	.....	.....	.....	.....	1,015	5,557	2,702	2,422	11,696	.....
	Total...	.....	.....	.....	.....	1,874	5,557	3,510	2,857	13,798	.....
	Grand Total...	.....	.....	.....	.....						

As this comprises but little field work, the cost per acre is not given for these already classified taluqs.

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

JAMALAMADUGU,
22nd July 1871.

APPENDIX A.—(Continued.)

STATEMENT showing the extent of Demarcation and Classification work performed by the Settlement Parties and the expenditure incurred thereon for the official year 1870-71 of the Cuddapah District.

Items.	Taluqs.	Number of villages completed.	Number of villages in progress.	Ayacut area in square miles.	Actual work in square miles.	Cost of field work	Cost of work in the Office.	Local Superintendence.	Central Office proportion.	Total.	Average cost per square mile.
1	2	3	4	5	6	7	8	9	10	11	12
						RS.	RS.	RS.	RS.	RS.	RS. A. P.
Demarcation.	Jamalamadugu	40	.....	99	5	895	.....	842	453	2,190	.....
	Proddatur	12	.....	19	.....	239	.....	225	121	585	.....
	Cuddapah	2	.....	5	.....	411	.....	387	208	1,006	.....
	Sidhout	.....	.....	.....	.....	118	.....	111	61	290	.....
	Budwail	.....	.....	.....	.....	366	.....	344	186	896	.....
	Pullumpett	.....	.....	.....	.....	281	.....	264	142	687	.....
	Voilpad	.....	.....	.....	.....	1,860	.....	1,749	942	4,551	.....
	Royachoty	9	.....	38	5	1,756	.....	1,651	889	4,296	.....
	Muddenapally	42	.....	75	1	13,950	.....	13,120	7,068	34,138	.....
	Kadri	83	2	648	562	992	.....	933	503	2,428	.....
		.....	12	5	5						
	Total...	188	14	889	578	20,868	.....	19,626	10,573	51,067	57 7 1
		.....	.....	.....	.....	4,252	.....	.....	.....	4,252	.....
	Cost of boundary pillars										
	Total...	188	14	889	578	25,120	.....	19,626	10,573	55,319	.....
Classification.	Jamalamadugu	22	.....	38	3	597	.....	561	302	1,460	.....
	Proddatur	1	.....	2	.....	320	.....	301	162	783	.....
	Cuddapah	.....	.....	.....	.....	96	.....	90	49	235	.....
	Budwail	.....	.....	.....	.....	3	.....	3	2	8	.....
	Pullumpett	.....	.....	.....	.....	590	.....	555	299	1,444	.....
	Voilpad	9	.....	37	.....	1,477	.....	1,390	749	3,616	.....
	Royachoty	3	.....	2	1	711	.....	668	360	1,739	.....
	Muddenapally	83	2	611	307	13,948	.....	13,118	7,066	34,132	.....
	Total...	118	2	690	311	17,742	.....	16,686	8,989	43,417	62 14 10
	Grand Total...	.....	.....	.....	.....	42,862	.....	36,312	19,562	98,736	.....

The cost per acre is higher than the standard owing to the recess and number of days lost under sickness in this feverish district.

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

JAMALAMADUGU,
22nd July 1871.

APPENDIX A.—(Continued.)

STATEMENT showing the extent of Demarcation and Classification work performed by the Settlement Parties and the expenditure incurred thereon for the official year 1870-71 of the Nellore District.

Items.	Taluqs.	Number of villages completed.	Number of villages in progress.	Ayacut area in square miles.	Actual work in square miles.	Cost of field work.	Cost of work in the Office.	Local Superintendence.	Central Office proportion.	Total.	Average cost per square mile.
1	2	3	4	5	6	7	8	9	10	11	12
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
Demarcation.	Nellore	.....	.....	.....	1	63	.....	60	32	155	.....
	Gudur	.....	.....	.....	5	255	.....	242	130	627	.....
	Rapur	.....	.....	.....	1	70	.....	66	35	171	.....
	Kavali	.....	.....	.....	2	168	.....	160	86	414	.....
	Udayagiri	.....	.....	.....	.....	45	.....	42	23	110	.....
	Kandukur	.....	.....	.....	3	115	.....	109	58	282	.....
	Kanigiri	.....	.....	.....	1	85	.....	80	43	208	.....
	Ongole	.....	.....	.....	8	357	.....	339	182	878	.....
	Total...	.....	.....	.....	21	1,158	.....	1,098	589	2,845	.....
Classification.	Nellore	.....	.....	.....	1	443	3,456	3,699	1,984	9,582	.....
	Gudur	.....	.....	.....	4	642	2,034	2,538	1,361	6,575	.....
	Rapur	.....	.....	.....	1	121	1,475	1,515	812	3,923	.....
	Atmakur	.....	.....	.....	.....	.....	756	721	386	1,863	.....
	Kavali	.....	.....	.....	2	413	1,302	1,624	872	4,211	.....
	Udayagiri	.....	.....	.....	.....	82	1,094	1,115	598	2,889	.....
	Kandukur	.....	.....	.....	.....	284	822	1,049	563	2,718	.....
	Kanigiri	.....	.....	.....	1	233	633	822	442	2,130	.....
	Ongole	20	.....	178	55	2,636	2,421	4,798	2,572	12,427	.....
	Total...	20	.....	178	64	4,854	13,993	17,881	9,590	46,318	.....
	Printing charges and cost of mounting maps ...	.....	.....	.....	.....	.....	153	.....	40	193	.....
	Total...	20	.....	178	64	4,854	14,146	17,881	9,630	46,511	.....
	Grand Total...	.....	.....	.....	.....	6,012	14,146	18,979	10,219	49,356	.....

As Mr. Rundall's work was unavoidably this year mainly in office as fully explained in paragraph 16, the average cost per acre would be no guide.

JAMALAMADUGU,
22nd July 1871.

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

Proceedings of the Madras Government, Revenue Department, 14th May 1872.

APPENDIX A.—(Continued.)

STATEMENT showing the extent of Demarcation and Classification work performed by the Settlement Parties and the expenditure incurred thereon for the official year 1870-71 of the Salem District.

Items.	Taluqs.	Number of villages completed.	Number of villages in progress.	Ayacut area in square miles.	Actual work in square miles.	Cost of field work.	Cost of work in the Office.	Local superintendence.	Central Office proportion.	Total.	Average cost per square mile.
1	2	3	4	5	6	7	8	9	10	11	12
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
Demarcation.	Ahtoor ...	.....	.....	.....	19	457	.....	477	244	1,178	.....
	Salem ...	.....	.....	.....	3	28	.....	29	15	72	.....
	Trichengode ...	.....	.....	.....	3	9	.....	10	5	24	.....
	Total...	.....	.....	.....	25	494	.....	516	264	1,274	.....
Classification.	Ahtoor ...	.....	.....	.....	19	383	9,883	10,731	5,483	26,480	.....
	Salem ...	.....	.....	.....	3	28	8,201	8,603	4,395	21,227	.....
	Trichengode ...	.....	.....	.....	3	9	4,092	4,288	2,190	10,579	.....
	Namcul ...	.....	.....	.....	.....	.....	1,680	1,756	897	4,333	.....
	Darampoory ...	.....	.....	.....	.....	.....	1,903	1,989	1,016	4,908	.....
	Total...	.....	.....	.....	25	420	25,759	27,367	13,981	67,527	.....
	Printing charges and cost of mounting maps ...	.....	.....	.....	.....	.....	359	.....	94	453	.....
	Total...	.....	.....	.....	25	420	26,118	27,367	14,075	67,980	.....
	Grand Total...	.....	.....	.....	.....	914	26,118	27,883	14,339	69,254	.....

JAMALAMADUGU,
22nd July 1871.

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

APPENDIX A.—*(Continued.)*

STATEMENT showing the extent of Demarcation and Classification work performed by the Settlement Parties and the expenditure incurred thereon for the official year 1870-71 of the following districts :—

Items.	Taluqs.	Number of villages completed.	Number of villages in progress.	Ayacut area in square miles.	Actual work in square miles.	Cost of field work.	Cost of work in the Office.	Local superintendence.	Central Office proportion.	Total.	Average cost per square mile.
1	2	3	4	5	6	7	8	9	10	11	12
	Chingleput District.					Rs.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.
Classification.	Sydapet	103	3	127	96	6,129	.....	.....	1,600	7,729	... ...
	Ponnery	23	2	20	16	965	.....	.....	252	1,217	... ...
	Total...	126	5	147	112	7,094	.....	.....	1,852	8,946	63 12 8*
	Printing charges and mounting maps	.....	.....	.....	.....	.....	342	.....	89	431	... ...
		126	5	147	112	7,094	342	.....	1,941	9,377	... ...
	Godavery District.										
	Printing Settlement Registers and cost of printing Selections of Settlement Reports	.....	.....	.....	.....	.....	2,077	.....	542	2,619	... ...
	Trichinopoly.										
	Office work	.....	.....	.....	.....	.....	144	.....	.....	144	... ...
	Printing Selections of Settlement Report	.....	.....	.....	.....	.....	894	.....	233	1,127	... ...
	Total...	.....	.....	.....	.....	.....	1,038	.....	233	1,271	... ...
	Tinnevelly District.										
	For the Demarcation of Satur Taluq under Collector's management	.....	.....	.....	.....	2,224	.....	.....	.....	2,224	... ...

* Owing to the number of minor holdings which had to be measured, and owing to classification work being for two months shut off in order to allow the experiments in outturn to be accurately made, the cost per acre is over the standard.

JAMALAMADUGU,
22nd July 1871.

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

ABSTRACT OF APPENDIX A.

Districts.	Total Expenditure.	
	1869-70.	1870-71.
1	2	3
	Rs.	Rs.
Kistna	19,964	13,495
Kurnool	9,452	13,798
Cuddapah	98,971	98,736
Nellore	5',941	49,356
Salem	22,951	69,254
Chingleput	...	9,377
Godavery	800	2,619
Trichinopoly	5,503	1,271
Tinnevelly	2,849	2,224
Total ...	2,13,431	2,60,130
Add charges not debitable to parties...	22,155	17,427
Grand Total...	2,35,586	2,77,557

JAMALAMADUGU,
22nd July 1871.

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

ENCLOSURE No. 2.

APPENDIX I.

COMPARATIVE STATEMENT showing the numbers and descriptions of Boundary marks put up by the several Settlement Parties for the official year 1870-71.

Item	Nellore.		Salem.		Total.		Difference.
	1869-70.	1870-71.	1869-70.	1870-71.	1869-70.	1870-71.	
1	6	7	8	9	10	11	12
Village Boundaries.							
Villages	.....	.....	.....	.....	160	166	+ 6
Khandams or Sub-divisions ...	.....	.....	.....	.....	1,286	1,634	+ 348
Tri-junction Pillars	.....	.....	.....	.....	204	125	— 79
Secondary do.	.....	.....	.....	.....	4,018	1,624	— 2,394
Other marks on Village Boundaries ...	.....	.....	.....	.....	7,210	6,459	— 751
Marks on Khandams	.....	76	.....	228	30,307	31,659	+ 1,352
	59		950				
Field Boundaries.							
Number of Villages	.....	58	.....	.....	320	340	— 50
Villages divided into Khandams.	.....	2	.....	.....	157	204	+ 47
Number of Khandams...	.....	2	.....	.....	1,530	1,535	+ 5
Number of fields marked out ...	.....	1,477	.....	840	1,06,612	82,947	— 23,665
Number of field marks put down ...	1,702		.....		6,44,884	5,90,469	— 54,415
	3,462	3,159					

(Signed) G. BANBURY,
Acting Director of Revenue Settlement.

JAMALAMADUGU,
22nd July 1871.

Proceedings of the Madras Government, Revenue Department,
14*th May* 1872.

From the Superintendent, Revenue Survey, to the Secretary to the Board of Revenue, dated Chepauk, 3rd August 1871, No. 1,709-58.

I HAVE the honour to forward, for submission to Government, the Annual Report of Survey and Demarcation operations for the year 1870-71.

Report on the Revenue Survey and Demarcation of the Madras Presidency for the year 1870-71.

No. 1, *Coimbatore and Salem.*—The main strength of the party has been employed in the plains under the directions of Major Hessey (except for a short time he was on special duty) in the following manner :—

(1). Coimbatore, in completing the mapping of villages, whose re-survey had become necessary in consequence of faulty demarcation.

(2). Pulladum, in renewing demarcation and inserting topographical details.

(3). Perindoray, in inserting topographical details and in completing the closing of some few maps.

(4). Suttiamungalum, in finishing up village maps for transmission to the Central Office.

(5). Bowani, in plotting fields and testing them in the field.

(6). Darapuram, in boundary survey and field measurements.

2. In the Namcul Taluq of the Salem District, the survey of Mootahs has been carried on. Plane Tablers have been at work in this as well as in the Trichengode Taluq. The Trichinopoly Cantonment has been topographically surveyed, agreeably to Proceedings Board of Revenue, No. 5,588 of 11th August 1866.

3. The progress of the survey is given below :—

	Sq. MS.
(1). Boundaries surveyed	587·57
(2). Fields measured	296·31
(3). Do. plotting completed	140·07
(4). Details inserted	741·15
(5). Area ready for settlement purposes	1,548·51
(6). Maps sent to Central Office	419·97
(7). Minor circuits traversed	No. 1,952

4. In addition to the above regular work, the party has performed the following, imposed on it by revision of demarcation :—

	Sq. MS.
(1). Demarcation renewed	2·31
(2). Re-surveyed	14·56
(3). Re-tested	320·86
(4). Re-detailed	81·76
(5). Details corrected in field	141 08
(6). Do. examined do.	125·89
(7). Old field and other stones firmly fixed	No. 521
(8). New stones placed	,, 7801
(9). Minor circuits traversed...	,, 41

5. The Suttiamungalum Taluq has been completed. The revision of the survey of the Coimbatore Taluq, consequent on the faulty demarcation and absence of Khandam Circuits, is approaching completion. In the Perindoray and Suttiamungalum Taluqs, the Land Registers, with survey areas entered in them, and demarcation sketches have been handed over to the Tahsildars for Jummahbundy purposes. With the same view, tracings from the maps and copies of the Land Registers of the villages in the Pulladum Taluq were made, the original Demarcation Sketches and Land Registers being in extremely bad repair. Several cases of alleged erroneous

areas in the villages of the Ahtoor Taluq having been reported, a Sub-Assistant was sent to examine them. Major Hessey reports that "errors have been found, but they are comparatively few in number, in most cases they are very unimportant."

6. In paragraph 16 of Proceedings of the Board of Revenue, No. 5,777 of the 17th September 1870, it is directed that measures should be taken to connect the survey in Coimbatore with Great Trigonometrical Survey as soon as possible. A reference to the Appendix to the report for 1867 will show that the test has been made. The statement in paragraph 6 of the report for 1869-70, that the Revenue Survey work in this district has not been connected with Great Trigonometrical Survey points, has reference only to the transactions of the official year. When a list of the points, either re-established or interpolated by the Great Trigonometrical Survey party is furnished, the necessary comparison will be instituted, and the result reported as usual.

7. No fines have been inflicted during the year under the Boundary Act. Major Hessey reports that resort to the penal portions of this Act has been seldom necessary. Even re-demarcation is popular.

8. The party was for a long time kept low for financial reasons ; but on the receipt of Proceedings of the Board of Revenue, No. 4,855, of 13th July 1870, the Amins were raised to the full strength and the Boundary Surveyors increased.

9. The season in the plains has not been unfavourable.

10. The men of the party have, as usual, conducted themselves well.

11. The expenditure has been Rs. 86,333-7-3.

12. The party has been inspected by the Superintendent more than once.

13. *No. 2 Party, Kurnool.*—The party has been under the charge of Captain Cloete, assisted by Mr. Merriman. It has been during the year unavoidably much scattered to the detriment of effectual supervision, work of some kind, as shown below, having had to be performed in every taluq.

(1). Adjustment of demarcation discrepancies to the extent of 1,768 square miles.
(2). Measurements necessitated by alterations in demarcation in five taluqs.
(3). Demarcation and measurement of interstitial fields, 14·32 square miles.
(4). Examination and sub-division of fields into two acre blocks for irrigation, 41·09 square miles.
(5). Demarcation and Survey of Taluq and District boundary.
(6). Hill sketching 20·30 square miles.
(7). Testing and
(8). Detailing.

14. In the Markapur Taluq, boundary and field survey is nearly completed ; and Amins have been drafted to the Cumbum Taluq.

15. The progress of work is as follows :—

	Sq. ms.
(1). Boundaries surveyed	664·51
(2). Fields measured	139·15
(3). Do plotting completed	174·66
(4). Details inserted	232·38
(5). Area ready for Settlement purposes	680·18
(6). Maps sent to Central Office	1,516·13
(7). Minor circuits traversed	No. 1,561

16. The outturn is small, but, as only one-third of the party has been employed on this work, and as the number of Amins has not been kept up in view of the approaching completion of the measurements of the district, the result may be considered satisfactory.

17. The line of boundary between the Nundial Taluq and the Jaghire of Banganapalli having been left undemarcated by the Settlement Department, and a hilly tract about a fourth of the taluq included by this arrangement in the same block with the Jaghire, the demarcation and survey of the line was undertaken and has been completed. The true boundary between the

Cumbum Taluq and Nellore District running along the top of hills from 2 to 3,000 feet high, has been demarcated, as also a portion of the boundary between Kurnool and Bellary Districts. The completion of the latter work was stopped by boundary disputes.

18. Four Taluq maps have been prepared on the one-inch scale, and some progress made in a fifth taluq.

19. Four hundred and forty-six square miles of country have been topographically surveyed during the year under report.

20. Only one Great Trigonometrical Station was indentified and connected with the Revenue Survey work.

21. Fines to the extent of Rs. 119-8-0 have been inflicted under the Boundary Act. Captain Cloete states that there was, at one time, a great deal of delay to work in the Cumbum Taluq.

22. The season has been a moderately healthy one.

23. The conduct of subordinates cannot, on the whole, be considered satisfactory.

24. The expenditure has been Rs. 64,661-11-11.

25. In anticipation of the sanction of Government for the demarcation of the Bellary District, the preliminary examination of the Adoni Taluq was completed, and Taluq sketch made.

26. *No. 3 Party, Cuddapah.*—The operations of this party during the year embraced the taluqs named in the margin under the orders of Captain Clay, assisted by Messrs. Tomlinson and Bagshawe.

Jummalamdugu. Budwail.
Proddatur. Pullampett.
Cuddapah. Royachoty.
Sidhout.

27. Progress of work during the year has been as follows :—

	Sq. Ms.
(1). Boundaries surveyed	126 27
(2). Fields measured	102 99
(3). Do. plotting completed...	81·21
(4). Details inserted	552·90
(5). Area ready for Settlement purposes	523·50
(6). Taluq Maps sent to Central Office	1,370·00
(7). Minor circuits traversed	No. 1,252

28. It will be observed from the above statement that very little field work has been performed during the year. The Amins employed in the Pullampett Taluq were re-called to headquarters as they completed the work they were engaged on, to bring up arrears of different branches of work which had greatly accumulated through sickness that has prevailed in and weakened the office establishment. The Boundary Surveyors have been chiefly employed in correction, in division of Agraharam villages formerly thrown into blocks by the Settlement demarcation, and in survey of taluq and hill boundaries at first excluded.

29. Since January 1871, field work has been commenced in the Royachoty Taluq, but the party in it is only at half strength, the remaining field hands being employed in surveying arrears of work now being completed by the Demarcation Department in taluqs that have already been surveyed.

30. The demarcation and survey of taluq and hill boundaries and of excluded cultivation being in progress, no taluq has, as yet, been returned as entirely completed. The re-survey in consequence of alterations made in the course of irrigation canals has also impeded the completion of a taluq.

31. The Revenue survey work in the district has been connected with seven Great Trigonometrical stations, and the average error per mile is 2·77 feet.

31. Thirty-six Agraharam villages and hill blocks in the Jamalamadugu, Porddatur, and Cuddapah Taluqs, containing an area of 156 square miles, have been topographically surveyed during the year.

33. Fines amounting to Rs. 48-8-0 have been inflicted under Act XXVIII. of 1860.

34. The season has been rather less unhealthy than the last, but more so than any year previous to 1869-70. Owing to the feverish character of the climate, ten men have resigned and twenty-two were granted leave on medical certificate. Towards the close of the year two have died of cholera.

35. The conduct of the subordinates has, on the whole, been satisfactory.

36. Captain Clay regrets to have to mark on the dilatoriness displayed by some of the subordinate Revenue authorities in attending to complaints made by the Survey Officers. He adds that, in one or two extreme cases brought to the notice of the Collector, cordial assistance has been rendered to the survey.

37. The expenditure during the year has been Rs. 66,447-12-2.

38. The party has been inspected by the Superintendent.

39. *No.* 4 *Party, Tinnevelly.*—Mr. F. Puckle was in charge of the party up to 15th April 1870. On his proceeding to England on medical certificate, he was relieved by the First Assistant Superintendent, Captain Freeth, who acted as Deputy Superintendent till Colonel Crewe assumed charge of the party.

40. Of the taluqs named in the margin, the first two are completed in every respect, and the Taluq maps have been received for lithography. In the third, detailing has been finished, and only five villages remain to be finally tested. In the next three, there are, out of four hundred and sixty-four villages, thirteen to be detailed and fifty-three to be finally tested. The boundary work has been finished in the Sankerana yanarcovil and Streevilliputtur Taluqs. In the latter, the Amins have completed their measureme nts, and were, at the close of the year, removed to Sattur.

1. Tenkasi. Tinnevelly.
2. Ambasamudrum.
3. Nanganerre. Tenkarai. Oottapadaram.
4. Sankeranayanarcovil. Streevilliputtur.
5. Sattur.

41. A party of Topographical Surveyors has been employed in surveying and detailing Zemindari taluqs in Tenkasi, Tenkarai, Ottapadaram, and Sunkeranayanarcovil. Chockampatti and Utumalai Zemindari have been completed and mapped.

42. The appended Statement shows the progress of work during the year—

		Sq. Ms.
(1).	Boundaries surveyed	227·72
(2).	Fields measured	176·28
(3).	Do. plotting completed	208·79
(4).	Details inserted	916·96
(5).	Area ready for Settlement purposes	1,724·39
(6).	Maps sent to Central Office...	427·87
(7).	Do. of taluqs	629·09
(8).	Minor circuits traversed ... ... No.	317

43. It is to be observed that, in some respects, the outturn is greater, and in some less than last year. The small progress in boundary survey and field measurement is owing to—

1st.—No work remaining in the taluqs under survey.

2nd.—Only the records of forty villages (126 Sq. Miles) of the Sattur Taluq, in which revision of demarcation is in progress, were stated by the Demarcation Department to be ready for survey at the close of 1870.

3rd.—The completion of some of the taluqs was insisted on by the Superintendent, before work in a fresh taluq was commenced.

44. The work has been connected with twenty-seven Great Trigonometrical points. The average error is 9·7 feet per mile.

45. Fines amounting to Rs. 260-10-0 have been imposed under Act XXVIII. of 1860.

46. On the whole, the season is considered to have been a good one. Eight men of the party have died during the year, of whom six were carried off by cholera.

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

47. With some exceptions, the conduct of the subordinates was satisfactory.

48. The expenditure during the year is Rs. 72,147-4-4.*

* Inclusive of Rs. 899-5-4, cost of demarcation and survey of hilly tracts.

49. The party was inspected by Major Hessey, Deputy Superintendent, Revenue Survey, specially deputed for the purpose, with the sanction of Government, dated 16th November 1870, No. 1,792.

50. *No.* 5 *Party, Chingleput and Nellore.*—Under the orders of Mr. Beaumont, the main body of the party has been employed in the Chingleput District, in the taluqs marginally noted, and has nearly completed the first two taluqs. Boundary survey and field measurement are in progress in the last two taluqs.

Ponery. Trivellore. Conjeeveram. Chingleput.

51. The work performed is appended below :—

		Sq. Ms.
(1).	Boundaries surveyed ...	465·40
(2).	Fields measured ...	184·17
(3).	Do. plotting completed...	166·33
(4).	Details inserted...	318·91
(5).	Area ready for settlement purposes ...	714·51
(6).	Maps sent to Central Office ...	296·96
(7).	Minor circuits traversed ...	3,105

52. The outturn, especially under the heads "Fields measured" and "Field plotting completed," has not been, during the year, as large as might be wished, inasmuch as the great number of tans (the average number to a square mile is 2,677) required to be measured for each field, affects both the field and office work.

53. The Revenue Survey in the district has been connected with six Great Trigonometrica stations, and the average error per mile has been found to be 6·4 feet.

Two in Chingleput. Four in Nellore.

54. Four persons have been fined under the Boundary Act, amounting in all to Rs. 8.

55. There has been but little sickness in the party except in the northern part of the Trivellore Taluq, which was particularly unhealthy.

56. The conduct of the subordinates has been, on the whole, good.

57. The expenditure has been Rs. 56,599-15-9.

58. The party has been more than once inspected by the Superintendent.

59. *Nellore.*—The detachment, at first under Sub-Assistant Mr. Middleton and under Mr. Wright on his transfer from No. 5 to No. 2 Party in October last, has been employed in the topographical survey of Zemindari tracts in the Nellore District. It has also demarcated, under the supervision of Captain Cloetè, a line of boundary about 15 miles in length, between the Nellore, Kistna, and Kurnool Districts, left undemarcated by the Settlement.

60. The progress is given below :—

		Sq. Ms.
(1).	Boundaries surveyed...	1,307·82
(2).	Details inserted ...	825·14
(3).	Maps sent to Central Office ...	239·11

61. The expenditure during the year has been Rs. 7,644-13-10.

62. Mr. Beaumont states that the district will be completed, in every respect, by the end of the official year 1871-72.

63. Towards the end of the official year the Superintendent inspected the detachment and examined the work performed in the Vencatagherry Zemindari, and found it neatly executed. Instructions were issued for the guidance of the Surveyors engaged on the work.

64. *No.* 6 *Party, Ganjam.*—Work was carried on as below, at first under the orders of Mr. Tomlinson, and under Mr. Cardozo on his return from sick leave to Europe :—

(1). In the Chicacole Taluq, testing and insertion of details.
(2). In the Berhampore Taluq, boundary and field survey.
(3). In Karakavalsa Estate, boundary survey.
(4). In Purla Kimedy Estate, topographical survey.

65. The progress of work during the year is shown below :—

	Sq. Miles.
(1). Boundaries surveyed	171·73
(2). Fields measured	58·87
(3). Do. plotting completed	17·23
(4). Details inserted	62·23
(5). Area ready for settlement purposes	186·41
(6). Minor circuits traversed	No. 1,370

66. The outturn is small, but quantity is undoubtedly good. The small size of taks, as has been frequently reported, is the chief cause of the work being incommensurate with the outlay, average 12 to the acre or 7,680 to the square mile.

67. Thirty-three square miles have been topographically surveyed during the year.

68. No Great Trigonometrical stations have been identified.

69. Under provisions of the Boundary Act no fines have been inflicted.

70. The season has been on the whole, favourable.

71. The conduct of the office subordinates has been satisfactory, that of the field establishment has, of late, much improved.

72. The expenditure has been Rs. 29,668.

73. *Neilgherry Demarcation and Survey.*—The detachment under Captain Sargeaunt has been employed in the demarcation and survey of estates, putta lands, and waste land blocks lying outside the settlements named in the margin, in filling in details of the last two and in registering Ootacamund Settlement.

Coonoor.
Ootacamund.
Kotagherry.

74. The progress of demarcation and survey is as follows :—

—	Demarcated.	Surveyed.	Plotted.	Detailed.	Remarks.
(1). Government Reserves	45	37	35	74	
(2). Forest Department blocks	.....	.....	2	4	
(3). Quit-rent properties	69	62	68	313	
(4). Putta lands	125	97	667	701	
(5). Town lots	.....	.....	49	396	
(6). Waste Land Rule lots	35	35	22	46	
(7). Firewood allotment	8	8	8	16	
(8). Roads	43	*41	41	.....	* 32·74 linear miles.
(9). Minor circuits	75	75	69	26	

75. In addition to the above, the following special work was undertaken at the request of the Commissioner :—

(1). Two detailed maps of the Reclamation Project.
(2). One detailed map of the Marlamund Reservoir.
(3). One detailed map of Mr. Friend's property.
(4). One map of the north-east and south-east portion of the Neilgherry Hills.
(5). Two supply channels detailed into Colonel Ouchterlony's map.
(6). Demarcation and survey of two acres of the Australian Plantations.

76. At the request of the Commissioner, estates which were not demarcated by the survey and which are scattered all over the hills, are being re-demarcated, and, where necessary, surveyed. These estates are connected one with another and with Trigonometrical points, the connectin lines forming an admirable skeleton map for a general survey.

77. Maps of 92 estates, waste land block, etc., have been forwarded to the Central Office.

78. During the year, 7,686 marks have been erected.

79. Two disputes have been settled under the Act.

80. Out of Rs. 2,097-10-2 (including last year's balance) advanced on account of demarcation, Rs. 609-10-6 have been recovered, leaving a balance of Rs. 1,487-15-8 ; bills to the extent of Rs. 406-1-4 were sent to the Commissioner for collection during the year.

81. No fines have been imposed under the Boundary Act.

82. The season has been unfavourable for surveying. The quantity of rain that has fallen has been exceptionally great.

83. The conduct of subordinates, with two exceptions, has, as stated by Captain Sargeaunt, been most satisfactory.

84. The expenditure has been Rs. 41,259-0-6.

85. The work on the hills has been inspected by the Superintendent.

86. *Nellamboor valley.*—The Nellamboor Government teak forests, situated to the right and left of the road from Gudalur to Calicut, was inspected by Captain Sargeaunt, in September last. Finding sufficient work to perform, he made arrangements for detaching a number of Surveyors to the locality, adequate to complete the work in hand during the season. In this he was not wholly successful, the delays specified in the margin, having impeded the completion of work. In addition to the above, 39 days were lost by the demarcation and survey of Chittaneboria forest, purchased by Government, undertaken at the request of the Collector.

Want of coolies, 20 days.
Boundary dispute, 2 days.
Boundary incorrectly pointed out 6 days.

87. When the survey of the Teak forest was first ordered, the demarcation of the several years' planting was not contemplated ; but this work was also undertaken as the Collector considers it to be very necessary.

88. The progress made by the Surveyors is as follows :—

—	Demarcated.	Surveyed.	Plotted.	Detailed.	Remarks.
(1.) Forest boundaries	7	7	9	5	
(2.) Roads	*6	*6	6	...	
(3.) Minor circuits	78	78	78	27	* 19 64 linear miles.

89. The area of blocks demarcated and surveyed is 11·13 square miles and the expenditure incurred is Rs. 6,853-11-3.

90. All the forests surveyed are connected together, thus forming the skeleton for a topographical survey of the Nellamboor valley.

91. 1,191 demarcation stones have been fixed during the season.

92. The season, on the whole, was favourable.

93. The conduct of subordinates was very good.

94. The work has been inspected by Major Hessey.

95. *Shervaroy Hills.*—Two properties, in all 179·61 Acres, were surveyed at a cost of Rs. 0-2-8 per acre.

96. *Cumbum and Gudalur.*—Captain Thompson, Assistant Superintendent, Revenue Survey, was, with reference to Proceedings, Board of Revenue, No. 21, of the 5th January 1871, detached to the Cumbum and Gudalur villages, of the Periakolum Taluq, for the purpose of making inquiries preparatory to undertaking demarcation and survey of these villages. The result of his inquiries has been reported to the Board of Revenue.

Proceedings, No. 1,023 of 8th March 1871.

97. *Wynaad.*—In accordance with Government Order, No. 1,225 of the 10th August 1870 a party of Surveyors, etc., left the Neilgherry Hills for Wynaad, under the direction of Captain Sargeaunt, about the middle of September last. At first, the work was confined to the demarcation and survey of Coffee cultivation. On the termination of the rains and on the jungles

becoming somewhat dry, the interior boundaries of Coffee Estates and Paddy flats were commenced, and connecting lines have, wherever practicable, been run along roads, foot-paths or rivers.

98. The operations were commenced at Devalah, working in a northerly direction, along th Nellialum ridge, as far as the Sultan's Battery road, from there to Gudalur, along the lower part of Ouchterlony's valley as far as the Carcoor pass, closing on Devalah. Some eight miles of road and two estates were surveyed beyond this circuit.

99. The difficulty experienced in obtaining labour has been great indeed. Nevertheless, about 100 square miles of connected work Captain Sargeaunt states, should have been turned out, had it not been for the desertion of about 50 Maplai coolies on account of some dishonesty on the part of the Maistry who brought them up.

100. A Statement of work performed during the year is appended :—

——	Demarcated.	Surveyed.	Plotted.	Detailed.	Remarks.
(1). Estate boundaries.....	18	16	4	1	
(2). Cultivation boundaries.....	38	30	1	...	
(3). Paddy flats	25	22	...	...	
(4). Town lots	68	55	...	...	
(5). Waste land blocks	1	1	1	1	
(6). Minor circuits	90	90	36	...	
(7). Roads	29	*28	2	...	* 82·11 linear miles

101. The area of estates demarcated and surveyed is 15·07 square miles and the expenditure incurred is Rs. 14,916-8-11.

102. During the season 10,292 marks have been erected, of which 546 are permanent.

103. Rs. 997-7-9 have been advanced for the demarcation of estate boundaries.

104. Only one dispute of long standing has been settled.

105. The Revenue Survey work in the taluq has been connected with Murpenmully North Peak.

106. The season has been, on the whole, healthy, but an uncommonly rainy one.

107. With one exception, the conduct of the subordinates has been most satisfactory.

108. *No. I. Demarcation party.*—Demarcation operations have been carried on in the taluqs of Conjeveram and Chingleput. Captain Liardet was in executive charge of the party, under the supervision of Mr. Beaumont, Deputy Superintendent of Revenue Survey. The former taluq has been completed, and sketches of all but fifty-two Government villages in it handed over to survey. Work in the latter taluq is in progress.

109. The progress of the party has been as follows :—

	Sqr. ms.
(1). Boundaries demarcated.....	526·55
(2). Do. in progress.....	45·88
(3). Fields demarcated	198·48
(4). Do. in progress	16·46
(5). Sketches completed	474·27
(6). Do. handed over to survey	499·37

110. In addition to the above, 909 square miles of Zemindari tracts were permanently demarcated, and sketches representing the area have been handed over to survey.

Polur, Calastry and Venkatagherry.

111. Compared with the last year, the outturn under head "Fields demarcated" is small. This Mr. Beaumont attributes to—

1*st.*—Failure of the Contractor to supply a sufficient number of stones during the latter part of 1870.

2*nd.*—The difficulty in obtaining Village Accounts for the Chingleput Taluq from the Taluq Cutcherry.

3*rd.*—The removal of Curnums for about six weeks on account of Jamabundy.

4*th.*—The Mirasi tenure giving rise to hundreds of petitions, all of which have to be attended to and disposed of.

5*th.*—The smallness of the population of the numerous villages and consequent scarcity of labour for demarcation purposes. To the above causes may be added, arrangements not having been made earlier for the demarcation of the Chingleput Taluq, as it was thought advisable, considering the high rates for stones, in the Conjeveram Taluq, to postpone doing so.

112. The expenditure has been—

	Rs.	A.	P.
On Establishment...	42,745	1	6
,, Stones	13,627	6	5
,, Carriage	1,462	6	6

and includes under the second head Rs. 2-2-11, debitable to Government on account of demarcation of waste lands.

	Rs.
1869-70.....	25,896
1870-71.....	1,462

113. It is to be observed that but little has been spent during the year under the head "Carriage," the charge having fallen in the proportion of 18 to 1.

114. In the Conjeveram Taluq demarcation was performed under Section 7 of the Boundary Act, in accordance with Government Order No. 1,963 of 14th July 1868; but in the Chingleput Taluq the ryots, with the exception of those in 51 villages, are supplying demarcation stones themselves. Even this exception would have ceased to exist, had it not been for a contract, as per rates given in the margin, having been entered into, on these villagers refusing, in the first instance, to find stones for defining their fields.

	Rs.	A.	P.
Boundary stones	0	12	6
Khandam do.	0	8	6
Field do.	0	2	11

115. The number of stones of all kinds erected during the year in the Conjeveram and Chingleput Taluqs is given below :—

Village Boundaries.

(1.)	Number of villages		321
(2.)	,,	Khandams	2,083
(3.)	,,	Boundary station stones... ...	3,541
(4.)	,,	Offset do.	6,503
(5.)	,,	Khandam station stones... ...	6,815
(6.)	,,	Offset do.	22,267
(7.)	,,	Minor Circuits...	4,234

Field Boundaries.

(1.)	Number of villages		237
(2.)	,,	of Field stones	1,68,502

116. Since the date of the last report 13 boundary and 509 minor disputes have been settled.

117. During the year under report Rs. 29,866-8-8 have been advanced to ryots on account of demarcation, and bills, amounting to Rs. 1,72,092-13-2, sent to the Collector of the district. Rs. 1,922-8-6 have been credited to Government, recovered from ryots of Trivellore and other taluqs by the Survey Department. The amount collected by the Collector has been Rs. 19,479-5-0.

	Rs.	A.	P.
Ponnery.....	57,115	6	2
Conjeveram	1,14,977	7	0
Sydapet	67	9	1
Trivellore	849	15	0
Ponnery.....	5,822	9	8
Conjeveram	12,739	3	3

118. Fines, amounting to Rs. 76-8-0, have been inflicted under the Boundary Act.

119. The season has been favourable, and the health of the party good.

120. The conduct of the subordinates generally has been more satisfactory than during 1869-70.

121. The party has been more than once inspected by the Superintendent.

122. *No. II, Demarcation Party half strength.*—The party was employed under the orders of Mr. Tomlinson up to 8th August 1870, and subsequently under Mr. Cardozo in the

Berhampore taluq, (where only 86·77 square miles remain to be marked out) and in the Karakavalsa estate.

123. The subjoined statement shows the progress of work during the year :—

		SQ. MS.
(1.)	Boundaries demarcated	107·46
(2.)	Do. in progress	66·55
(3.)	Fields demarcated	83·64
(4.)	Do. in progress	9·82
(5.)	Sketches completed	155·73
(6.)	Do. handed over to survey ...	117·10

124. The expenditure has been on establishment Rs. 19,330-13-11, on stones Rs. 2,533-3-0.

125. The advance of Rs. 60,000 for the Berhampore Taluq, having, in October 1870, been found insufficient, arrangements were then made for the purchase by villagers of stones under Section 5 for 21 villages, the supply to which had not then commenced, thus obviating the necessity for a further advance. In the Gumsoor Taluq also (for which an advance of Rs. 40,000 has been sanctioned by Government) a change in the system of supply to Section 5 has, in like manner, been made.

126. The number of marks of all kinds erected during the year is given below:—

Village Boundaries.

(1.)	No. of villages	187
(2.)	,, Khandams	531
(3.)	,, boundary station stones ...	2,724
(4.)	,, boundary offset stones ...	9,615
(5.)	,, Khandam station do. ...	2,732
(6.)	,, Do. offset do. ...	17,421
(7.)	,, Minor marks	3,824

Field Boundaries.

(1.)	No. of villages	81
(2.)	,, Field stones	1,88,704

127. During the year under report twenty-two boundary and three hundred and thirty-one minor disputes have been settled.

128. Rs. 29,883-10-0 have been advanced during the period under report, and Rs. 37,473-3-8 recovered.

129. Fines, amounting to Rs. 231, have been inflicted during the year, but under the authority conveyed in Section 26 of Act XXVIII. of 1860, Rs. 51 were ordered to be refunded by the controlling authority on reviewing the proceedings of the officer in charge. During the year one prosecution, under Section 9, has been instituted. The offender was found guilty and fined Rs. 15.

130. The season has, on the whole, been favourable.

131. The conduct of the subordinates has not been satisfactory.

132. *No. III. Demarcation Party.*—During the official year 1870-71 the party has been engaged on demarcation of Government villages in different taluqs of the Coimbatore and of Zemindari tracts in those of the Salem District.

133. With the exception of about three months, during which time Captain Thompson held temporary charge, Mr. Cook was in executive charge of the party.

134. The progress of the party has been as follows :—

		SQ. MS.
(1.)	Boundaries demarcated	578·23
(2.)	Do. in progress	137·81
(3.)	Fields demarcated	489·52
(4.)	Do. in progress	139·20
(5.)	Sketches completed	216·48
(6.)	Do. handed over to survey.	553·38

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

135. In Caroor the villages left unfinished by the transfer of half the party to Chingleput were completed, and a few new villages taken in hand. In Coimbatore the demarcation of the villages excluded by the Settlement Department (though greatly retarded by the unhealthiness of their climate) is approaching to completion. In Pulladam re-demarcation is progressing hand in hand with the insertion of topographical details in Village Maps. The detachment in the Salem District has completed the demarcation of all Zemindari tracts in the taluqs marginally named. In the Ahtur, Darampurry, and Kistnagherry taluqs the work is in progress.

Trichengode.
Salem.
Uttengiri.

136. The expenditure has been on establishment Rs. 25,928 9 2
on stones ,, 1,642 8 11

Compared with the last year the expenditure for the period under report is great, and the outturn under the head "Fields demarcated" (285·85 square miles inclusive of 163·90 extent re-demarcated) is small. The reason for this increase of cost is that the work has been chiefly in clearing off arrears and inspection.

137. Appended is given the number of marks of every description erected during the year :—

Village Boundaries.

(1.)	No. of villages and circuits	452
(2.)	,, of Khandams	823
(3.)	,, boundary station stones	2,260
(4.)	do. offset do.	4,604
(5.)	Khandam station do.	3,383
(6.)	do. offset do.	20,408
(7.)	minor circuits	1,062

Field Boundaries.

(1.)	No. of villages	99
(2.)	,, field marks	90,264

According to Government Order No. 2,243 of the 12th December 1864, the Government is supposed to pay for the tri-junction and secondary station stones, but as these stones, required for defining the limits of Zemindaris in the Salem District, are few, the Mootahdars ; who appear only too glad to have the boundaries of their Mootahs marked, have supplied all the necessary stones most willingly and speedily. Even in jungly parts they rendered all assistance.

138. Nine boundary and 22 minor disputes were settled during the year.

139. Rs. 523-10-6 have been advanced and Rs. 1,935-1-6 recovered during 1870-71.

140. Fines to the extent of Rs. 37-8-0 have been inflicted under Act XXVIII. of 1860.

141. The season has been favourable.

142. With a few exceptions the conduct of the subordinates has been good.

		Villages.	Square Miles.	Copies.
Area, lists tested...		292	= 383·19	
Nilgiri Hills.	Waste land blocks ...	28	=	112
	Properties	79	=	153
Shervaroy Hills.	Waste land blocks ...	3	=	12
	Properties	2	=	4
Ponachy Hills.—Waste land blocks		11	=	44
Wynaad.—Waste land blocks ...		1	=	4
	Total...	124	=	329

143. *Central Office.*—The expenditure in the Central Office has been Rs. 37,608-4-2. As usual it has been engaged in the checking of Accounts, Maps, and Records.

144. Three hundred and twenty-nine manuscript copies of maps of waste land blocks and properties in the Nilgiri, Shervaroy, and Ponachy Hills and Wynaad were made and supplied during the year.

145. *Lithographic Press.*—During the year the press has printed 34,128 copies of 947 Village and Estate maps, containing an area of 1,580·65 square miles, also 1,200 copies of 12 Taluq maps. For the Revenue Settlement Department 1,460 copies of the Hydrographic maps of the Central and Eastern Deltas of the Godavery District were printed, and for the Census Committee 540 copies of 6 Municipal Division maps of the Town of Madras.

	Rs.	A.	P.
Village and Estate maps...	13,637	0	11
Taluq maps	2,698	9	4
Hydrographic maps	176	13	3
Municipal maps	1,870	0	0

146. The expenditure is given in the margin, and the cost of lithography on village and estate maps is Rs. 8-10-1 per square mile, or Annas 6-6 per copy.

147. The extra establishment sanctioned in Government Order No. 2,114 of the 9th September 1867 has completed the District Map of Bellary.

148. The proof sheets of the Kistna District map, forwarded to the Collector in accordance with the Proceedings of the Board of Revenue No. 8,187 of the 5th November 1869, having been received with almost all the names of the village altered, the map had to be re-drawn. It will be completed by the end of July.

149. The expenditure incurred during the year is Rs. 1,199-5-1.

150. The total expenditure during the year, inclusive of furlough, pay, and allowances of officers on sick leave, is Rs. 6,42,221-5-6, or Rs. 57,778-10-6 short of the Budget grant for 1870-71. The explanation of this surplus, directed to be submitted in paragraph 16 of Government Order No. 418 of the 8th March 1871, is that, owing to the delay in the receipt of the order regarding Wynaad Survey, only Rs. 14,916 out of Rs. 30,020 were spent. A saving of Rs. 17,000 has been effected by the absence of certain officers on leave and by the death of Captain Graham, 1st Assistant Superintendent Revenue Survey in November last. Under the head Measurement allowance the full amount has not been expended for reasons stated in Government Order No. 151 of 20th January 1868. In the Chingleput District a smaller sum was spent than was allotted in the carriage of stones. Lastly, the saving under Central Office was made, with a view to provide funds for a fourth demarcation party recommended to be employed in the Bellary District.

	Rs.
Wynaad	15,000
Officer's pay and allowances	17,000
Measurement do.	5,000
Stones	15,000
Central Office	5,000

151. *General Remarks.*—The extent surveyed during the year is not as great as might be wished, but as a large amount of arrears of office-work has been brought up, the outturn may, on the whole, be considered fair.

152. Under the head Demarcation the progress of work is greater than that of any preceding year. The establishment is now in a healthy state. Thanks are due to Messrs. Beaumont and Cardozo for their zealous endeavours in bringing the villagers of the Chingleput and Berhampore Taluqs to an arrangement, by which the ryots themselves provide stones for the definition of their fields. By this a saving both to the ryots and Government is effected ; to the former in the diminution of cost of demarcation, and to the latter in the reduction of establishment which would otherwise be required to keep advance accounts, etc.

153. Major Hessey brings to notice the zeal and energy displayed by Captain Sargeaunt in the Wynaad and Nellambore Valley, and the satisfactory manner in which Captain Thompson performed his duties during Major Hessey's absence. Mr. Beaumont expresses his thanks to Captain Liardet, whose knowledge of the Vernaculars, tact, and temper, and dealing with the natives, make him a most valuable demarcation officer. Captain Cloete states that Mr. Merriman has throughout rendered valuable aid and continues to justify the opinion expressed in last annual report.

154. The under-mentioned Sub-Assistants are also favourably mentioned by the officers under whom they have served :—

Mr. J. Ross.
C. Rungacharry.
Mr. T. Quinless and
N. Kristna Row.

155. The Assistants in the Central Office, Mr. Starr and K. S. Ragvaacharrry, have displayed the same unwearied zeal and attention to their duties as they have hitherto done.

CHEPAUK,
3rd *August* 1871.

(Signed) F. J. B. PRIESTLEY, Colonel,
Superintendent of Revenue Survey.

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

ENCLOSURE No. [illegible] to Proceedings of the Madras Government, Revenue Department, dated 14th May 1872.

RETURN of Area surveyed and Cost incurred during the year 1870-71.

Names of Parties.	Extent measured in Square Miles.	Actual Expenditure during the year.	Estimated measurement Allowance.	Expenditure including estimated measurement Allowance.	Share of Central Office exclusive of Superintendent's Regimental Allowance.	Expenditure of each Party inclusive of share of Central Office.	CHARGEABLE TO GENERAL FUND. Regimental Allowance.	Measurers and Coolies.	Instalments issued.	Total chargeable to General Fund.	Total Expenditure including all Charges.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
No. 1 Coimbatore ...	588	63,476 15 1	2,000 0 0	65,476 15 1	3,260 1 4	68,737 0 5	17,127 12 10	... ...	2,005 1 6	19,132 14 4	87,869 14 9
,, 2 Karnool ...	665	60,733 14 8	1,000 0 0	61,733 14 8	3,260 1 4	64,994 0 0	4,469 0 5	1,265 1 2	464 4 6	6,198 6 1	71,192 6 1
,, 3 Cuddapah ...	126	61,633 15 8	1,000 0 0	62,633 15 8	3,260 1 4	65,953 0 0	6,295 0 4	... ...	221 7 11	6,516 8 3	72,470 9 3
,, 4 Tinnevelly ...	228	67,303 3 10	1,500 0 0	68,803 3 10	3,260 1 4	72,063 5 2	6,650 4 10	... ...	260 7 11	6,910 12 9	78,974 1 11
,, 5 Chingleput and Nellore...	1,773	61,846 0 2	2,000 0 0	63,846 0 2	3,260 1 4	67,106 1 6	4,205 1 9	... ...	1,076 14 3	5,282 0 0	72,388 1 6
,, 6 Ganjam ...	172	27,005 3 6	1,000 0 0	28,005 3 6	1,630 0 8	29,635 4 2	903 2 4	2,662 12 6	77 9 7	3,643 8 5	33,278 12 7
Salem ...	...	7,504 12 11	... ...	7,504 12 11	... ...	7,504 12 11	176 5 2	... ...	... ...	176 5 2	7,681 2 1
Bellary ...	...	265 0 6	... ...	265 0 6	... ...	265 0 6	... ...	... ...	... ...	... ...	265 0 6
Nilgiri ...	...	38,266 8 6	... ...	38,266 8 6	681 10 0	38,948 2 6	2,092 8 0	... ...	... ...	2,992 8 0	41,940 10 6
Wynaad and Nellamboor.	26	20,274 0 2	... ...	20,274 0 2	340 13 0	20,614 13 2	1,496 4 0	... ...	1,496 4 0	1,496 4 0	22,111 1 2
Shorvaroy Hills ...	0-27	30 2 9	... ...	30 2 9	... ...	30 2 9	... ...	... ...	... ...	... ...	30 2 9
	3,578·27	4,08,399 13 9	8,500 0 0	4,16,899 13 9	18,952 14 4	4,35,852 12 1	44,315 7 8	3,927 13 8	4,105 13 8	52,349 3 0	4,88,201 15 1

CHEPAUK,
3rd *August* 1871.

(Signed) F. J. B. PRIESTLEY, Colonel,
Superintendent of Revenue Survey.

ENCLOSURE No. 2.

STATEMENT showing the Extent of Demarcation Work performed by the Demarcation Parties, and the Expenditure incurred thereon for the official year 1870-71.

Districts.	Number of Villages completed.	Number of Villages in progress.	Actual Work in Sq. Miles.	Cost.			Share of Central Office.			Total.			Cost of Pillars.			Remarks.
				Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
No. I.—Demarcation ...	322	34	1,481·43	42,745	1	6	3,260	1	4	46,005	2	10	15,089	12	11	
,, II.— Do. ...	187	47	174·01	19,330	13	11	1,630	0	8	20,960	14	7	2,533	3	0	
,, III.— Do. ...	460	219	716·04	25,928	9	2	3,260	1	4	29,188	10	6	1,642	8	11	
Total...	969	300	2,371·48	88,004	8	7	8,150	3	4	96,154	11	11	19,265	8	10	

CHEPAUK,
3rd August 1871.

(Signed) F. J. B. PRIESTLEY, Colonel,
Superintendent of Revenue Survey.

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

ENCLOSURE No. 3.

STATEMENT of Expenditure of the Revenue Survey Lithographic Department for the year 1870-71.

Description of Maps lithographed.	Extent in Square Miles.	Expenditure.			Cost per Square Mile.			Remarks.
		Rs.	A.	P.	Rs.	A.	P.	
Village and Estate maps	1,581	13,637	0	11	8	10	1	
Taluq maps	7,652	2,698	9	4	0	5	8	
Hydrographic maps	1,300	176	13	3	0	2	2	
Municipal Division maps	19	1,870	0	0	98	6	9	
Total...	10,552	18,382	7	6	1	11	10	

CHEPAUK,
3rd August 1871.

(Signed) F. J. B. PRIESTLEY, Colonel,
Superintendent of Revenue Survey.

ENCLOSURE No. 4.

STATEMENT of Comparative Distances between Grand Trigonometrical Stations.

Districts.	Stations.	Distances. By Trigonometrical Survey.	Distances. By Revenue Survey.	Difference.	Error per Mile.
Kurnool. Cuddapah. Nellore. Chingleput. Tinnevelly.	From Siddanagut to Dhonecondah	53,706	53,586	— 120	11·80
	,, ,, to Koelcondah	97,366	97,360	— 6	0·32
	,, ,, to Ramavaram	87,018	86,873	— 145	8·79
	,, Gorelabode to Ganigapenta	86,978·0	86,900	— 78·0	4·73
	,, ,, to Chenroyancondah ...	129,326·9	129,259	— 67·9	2·78
	,, Ganigapenta to ,, ...	57,116·0	57,050	— 66·0	6·10
	,, Kanklecondah to ,, ...	183,471·0	183,506	+ 35·0	1·01
	,, ,, to Mullimcondah ...	101,375·4	101,366	— 9·4	0·49
	,, ,, to Annamalli	234,434·4	234,355	— 79·4	1·78
	,, Gundicotta to ,, ...	146,577·2	146,508	— 69·2	2·50
	,, Chenroyancondah to ,, ...	197,369·1	197,023	— 346·1	9·25
	,, ,, to Gundicotta ...	242,921·2	242,232	— 689·2	14·98
	,, Koorchade H. Pag. to Chendaloor H...	46,389·8	46,397·0	+ 7·2	0·82
	,, Meadarametla H. S. to ,, ...	135,564·0	135,106·0	— 458·0	17·84
	,, Lingamgoontlah H. S. to ,, ...	145,972·1	146,127·0	+ 154·9	5·61
	,, Rattamber to Chamber	93,848·0	93,822	— 26	1·46
	,, Kudankolam Observatory to G. T. S. β	15,058·6	15,030	— 28·6	10·03
	,, ,, ,, to ,, β	26,431·7	26,373	— 58·7	11·72
	,, ,, to Shanganeri Tower ...	16,098·6	16,041	— 57·6	18·89
	,, ,, to G. T. station and tower.	19,594·1	19,559	— 35·1	9·46
	,, ,, to G. T. station ϵ ...	27,239·5	27,169	— 70·5	13·66
	,, G. T. station ϵ to G. T. station β ...	16,610·9	16,595	— 15·9	5·05
	,, ,, to Shanganeri Tower ...	17,339·5	17,289	— 50·5	15·38
	,, ,, to G. T. station θ	16,368·0	16,333	— 35·0	11·29
	,, ,, to Rathapuram	24,752·6	24,708	— 44·6	9·51
	,, ,, to Paramespuram Tower.	16,705·9	16,652	— 53·9	17·04
	Shanganeri Tower to G. T. station β	17,746·1	17,707	— 39·1	11·63
	,, to G. T. station and Tower	17,904·5	17,874	— 30·5	8·99
	,, to G. T. station β ...	17,851·7	17,818	— 33·7	9·97

STATEMENT of Comparative Distances, etc.—(Concluded.)

Districts.	Stations.	DISTANCES. By Trigonometrical Survey.	By Revenue Survey.	Difference.	Error per Mile.
Tinnevelly.—(*Concluded.*)	From G. T. station β to G. T. station and Tower	9,852·5	9,843	— 9·5	5·09
	,, ,, to Paramespuram Tower.	18,194·9	18,165	— 29·9	8·67
	,, ,, to Rathapuram	26,885·8	26,846	— 39·8	7·82
	G. T. station and Tower to Punnoe Observatory	18,680·6	18,646	— 34·6	9·77
	Paramespuram Tower to G. T. station θ ...	17,265·6	17,242	— 23·6	7·22
	,, to Rathapuram ...	15,304·5	15,320	+ 15·5	5·30
	,, to Shangameri Tower.	8,912·5	8,899	— 13·5	8·00
	Rathapuram to G. T. station θ	12,239·0	12,204	— 35·0	15·10
	G. T. station γ to Paramespuram Tower ...	17,820·0	17,775	— 45·0	13·33
	,, to G. T. station β	11,304·5	11,285	— 19·5	9·11
	,, to Rathapuram	19,076·6	19,031	— 45·6	12·62
	Coonatoor Hill to Tinnevelly Pagoda... ...	12,762·0	12,780	+ 18 0	7·45
	Talavotpotha to ,, ...	34,171·0	34,004	— 167·0	25·80
	Rettiaputty Hill to Kaniampotha	79,300·0	79,655	+ 355·0	23·64
	Tinnevelly Pagoda to Vullanad Hill	71,009·0	71,067	+ 68·0	4·31
	Kolanelloor to ,, ...	84,657·0	84,428	— 229·0	14·28
	Wottapadaram Pagoda to ,, ...	87,857·0	87,599	— 258·0	15·50
	,, Hill to Kolanelloor ...	14,996·0	14,974	— 22·0	7·74
	Mailpotam Hill to ,, ...	97,409·0	97,101	— 308·0	16·69
	Perioormalla to ,, ...	202,381·0	201,995	— 386·0	10·07
	Vellankota to ,, ...	136,402·0	135,920	— 482·0	18·66
	Polah Wodiar Hill to ,, ...	65,810·0	65,672	— 138·0	11·07
	Tuticorin Light-house to ,, ...	92,842·0	92,752	— 90·0	5·12
	,, to Vullanad Hill ...	115,769·0	115,641	— 128·0	5·84
	Shippiparac Pagoda to Kaulikotam Hill..	69,864·0	69,870	+ 6·0	0·45
	Shamalla to ,, ...	77,726·0	77,526	— 200·0	13·58
	Sankaranainarkovil Pagoda to ,, ...	44,874·0	44,749	— 125·0	14·70
	Perioormalla to ,, ...	42,722·0	42,633	— 89·0	11·00
	,, to Vellankota ,, ...	152,152·0	151,769	— 383·0	13·29
	,, to Sankaranainarkovil Pagoda.	18,486·0	18,401	— 85·0	24·26
	,, to Shamalla	70,689·0	70,474	— 215·0	16·05

CHETAUK,
3rd August 1871.

(Signed) F. J. B. PRIESTLEY, Colonel.
Superintendent of Revenue Survey.

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

ENCLOSURE *No. 5.*

Statement of Work remaining to be completed in Districts under Survey on the 1st April 1871.

Districts.	No. of Taluqs in the District.	No. of Taluqs completed.	No. of Taluqs under Survey.	EXTENT. No. of Villages.	EXTENT. Square Miles.	BOUNDARY TO BE SURVEYED. No. of Villages.	BOUNDARY TO BE SURVEYED. Square Miles.	FIELD TO BE MEASURED. No. of Villages.	FIELD TO BE MEASURED. Square Miles.	FIELD TO BE PLOTTED. No. of Villages.	FIELD TO BE PLOTTED. Square Miles.	TO BE DETAILED. No. of Villages.	TO BE DETAILED. Square Miles.	AREA TO BE SENT TO SUPERINTENDENT'S DEPARTMENT. No. of Villages.	AREA TO BE SENT TO SUPERINTENDENT'S DEPARTMENT. Square Miles.	MAPS TO BE SENT TO THE CENTRAL OFFICE. No. of Villages.	MAPS TO BE SENT TO THE CENTRAL OFFICE. Square Miles.
Salem	9	8	1	333	644·45	...	.....	...	.....	...	.....	3	2·90	3	2·90	3	2 90
Do. Zemindari ...	...	...	...	...	1,497·00	...	1,195·10	...	.....	...	.....	...	1,427·14	...	.....	...	1,497·00
No. 1 Coimbatore ...	11	1	5	978	3,414·17	24	202·89	64	671·48	83	749·93	280	1,601·66	141	1,086·17	670	2,815·56
,, 2 Kurnool	8	1	7	767	4,673·55	122	570·96	62	270·00	149	869·84	285	1,880·78	227	1,104·50	517	3,157·42
Do. Zemindari.	...	...	...	...	2,620·10	...	2,173·79	...	.....	...	.....	...	2,496·21	...	.....	...	2,620·10
,, 3 Cuddapah	11	...	7	815	3,082·36	88	508·76	86	426·70	301	683·54	576	2,080·43	382	1,645·86	815	3,082·36
,, 4 Tinnevelly ...	9	2	6	938	2,794·50	2	15·65	17	40·80	139	212 44	258	388·28	188	789·48	328	701·29
Do. Zemindari.	...	...	...	...	1,353·00	...	705·78	...	.....	...	.....	...	984·94	...	.....	...	1,041·99
,, 5 Chingleput ...	6	2	3	1,666	2,143·67	663	748·53	462	293·32	550	365·60	900	1,159·49	837	1,047·32	989	1,360·12
Nellore	...	...	...	...	4,990·12	...	.....	...	.....	...	.....	...	1,160 26	...	.....	...	1,716·29
,, 6 Ganjam	3	...	2	787	743·80	221	218·87	251	244·78	333	342 38	504	518·22	597	551·16	720	659·94
Total ...	57	14	31	6,284	27,956·72	1,120	6,340·33	942	1,947·08	1,555	3,223·73	2,806	13,700·31	2,375	6,227·39	4,042	18,684·97

CHETAUK,
3rd August 1871.

(Signed) F. J. B. PRIESTLEY, Colonel,
Superintendent of Revenue Survey.

THESE reports on the work of the Revenue Settlement and the Revenue Survey Departments during the year 1870-71 will be submitted for the information of Government.

2. SETTLEMENT DEPARTMENT.—As regards districts into which new settlements have been lately introduced, it appears that there has been a satisfactory increase in the northern part of Kistna where the "Soudoo" panic has subsided, and a slight increase in Chellumbrum. The returns for Kurnool, Trichinopoly, and Godavery have not been received. The Director proposes to submit remarks on prices hereafter. They will be found to be far below those of the previous year.

	Rs.
Fasli 1278	6,48,696
,, 1279	7,39,676
,, 1280	8,05,202

	Rs.
Fasli 1278	5,20,911
,, 1279	5,19,768
,, 1280	5,23,488

3. Settlement Reports on Pattecondah, Guntoor, a part of Chingleput, and Tinnevelly are before Government, and those for six taluqs of Nellore and four taluqs of Cuddapah are being prepared by the Director. In the last Report it was stated that the Nellore Settlement scheme was nearly ready, and the delay that has taken place is to be regretted. It is very desirable that some of the schemes now before Government should be dealt with soon, in order that the department may have sufficient work. At present charges for supervision are high when compared with work done.

4. Demarcation and Classification were carried on in Cuddapah and Tinnevelly; classification was completed in Nellore and two taluqs of Chingleput, the new settlement was introduced into part of Salem, and survey areas were introduced, *i.e.*, entered in puttahs, in three taluqs of Coimbatore. Work of less extensive character was also done in Godavery, Kistna and Trichinopoly.

5. It is to be lamented that budget necessities have prevented classification in Coimbatore where Mr. Goodrich's supervision would have been available.

Demarcation.	Miles.	Cost. Rs.
1869-70	1,098	67,051
1870-71	951	71,622
Classification.		
1869-70	2,203	1,46,380
1870-71	1,055	1,88,508

6. There was a falling off in the extent of demarcation and classification which is satisfactorily accounted for. Besides the numbers given in the margin 1,320 square miles were re-examined by the party introducing the new settlement in Salem.

7. Six hundred thousand marks were set up in Kurnool and Cuddapah, of which five hundred and eighty thousand were field marks, costing on the average 2 Annas and 3 Pies each. The number of the field marks seems to be enormous in proportion to the area, but the Director states that this is in accordance with the wishes of the Cuddapah ryots.

8. The actual expenditure of the year was Rs. 2,77,557, which is Rs. 22,000 more than was spent in 1869-70, and Rs. 47,043 less than the budget grant. This "saving" resulted from the postponement of the introduction of the Guntoor Settlement and the unexpected delay in getting survey areas in Coimbatore.

9. SURVEY DEPARTMENT.—Surveying was carried on in—

Coimbatore.	Ganjam.
Kurnool.	Salem.
Cuddapah.	Bellary.
Tinnevelly.	Nilgiris.
Chingleput.	Wynaad.
Nellore.	Nellumboor.

Shervaroy Hills.

10. *Coimbatore.*—Operations were in progress in six taluqs. Sattimangalam and Coimbatore were nearly finished. The total expenditure was Rs. 86,333.

11. *Salem.*—Parties were deputed from Coimbatore to survey mootahs in Namcul, and examine measurements in Ahtur.

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

12. *Kurnool.*—The work has been very scattered, and the outturn is not great. In Markapur the boundary and field survey is nearly finished. The boundary of Banganapilly, left undemarcated by the Settlement, the line which divides Cumbum from Nellore and a part of the boundary between Kurnool and Bellary were demarcated. Most of this work was done in mountainous tracts. Four taluq maps on the one inch scale were prepared. Four hundred and forty-six square miles were topographically surveyed. The expenditure was Rs. 64,662.

13. *Bellary.*—It being expected that Bellary would be the next district demarcated, Adoni was examined by the Kurnool party.

14. *Cuddapah.*—Work was in progress in seven taluqs. No taluqs is as yet finished, the reason being that taluq and hill boundaries and excluded cultivation have to be demarcated and surveyed, and that the course of irrigation canals has been altered. One hundred and fifty-six square miles have been topographically surveyed. The expenditure has been Rs. 66,448.

15. *Tinnevelly.*—Tenkasi and Tinnevelly are completed, and the maps are being lithographed. In the other seven taluqs good progress has been made. The Chokampatti and Utamalai Zemindaris have been surveyed and mapped. The expenditure was Rs. 72,147.

16. *Chingleput.*—Ponnery and Trivellore are nearly finished, and work is in progress in Conjeveram and Chingleput. The expenditure was Rs. 56,600.

17. *Nellore.*—Zemindaris have been demarcated topographically, and the boundary line between Nellore, Kistna, and Kurnool has been demarcated.

18. *Ganjam.*—A topographical survey was in progress in Purlah Kimedy, and work was done in Chicacole and Berhampore. The expenditure was Rs. 29,668.

19. *Nilgiris.*—The department was at work demarcating Government reserves, forest blocks, estates, puttah lands, town lots, etc., and on special surveys required by the Commissioner, maps of 92 estates, blocks, etc., were sent to the Central Office. The expenditure was Rs. 41,259.

20. *Nellamboor.*—Rs. 6,854 was spent in demarcating and surveying 11·13 square miles of Government forest and teak plantations.

21. *Shervaroys, Cumbum, and Goodalore.*—Two properties were surveyed on the Shervaroys and Cumbum, and Goodalore were examined preparatory to commencing the survey.

22. *Wynaad.*—15·07 square miles of estates were demarcated and surveyed. The expenditure incurred was Rs. 14,917.

23. DEMARCATION was in progress in Conjeveram, Chingleput, Berhampore, Coimbatore, and Salem. Polur, Calastry and Vencataghery were permanently demarcated. All Zemindari tracts in Trichengode, Salem, and Uttengherry were finished. The actual work is given as 2,371·48 square miles, and the cost as Rs. 88,005.

24. CENTRAL OFFICE.—329 manuscript copies of maps were made. Copies of 947 village and estate maps, 12 taluq maps, the Hydrographic maps of the Central and Eastern Deltas of Godavery, and six Division maps of the town of Madras were printed by the Lithographic Press. The District Map of Bellary has been completed, and that of Kistna was to be finished by the end of July. The total cost of the Central Office was Rs. 37,608.

25. The whole expenditure in the department was Rs. 6,42,221, or Rs. 36,743 more than in 1869-70 and Rs. 57,779 less than the Budget grant. The chief cause of this "saving" was the lapse of time before the order regarding the Wynaad survey was received.

No. 192F. Proceedings of the Board of Revenue, dated 2nd November 1871, No. 4,588.

Read the following letter from G. BANBURY, Esq., Acting Director of Revenue Settlement, to the Acting Secretary to the Board of Revenue, dated Palmanair, 30th September 1871, No. 1,951-56 :—

WITH reference to paragraph 3 of my letter dated 22nd July last, I have the honour now to submit the results of the late settlements for the past year in those districts, the returns for

which had not been furnished when my letter was despatched, and also to send in the usual statement of the prices ruling during the past fasli in those provinces, or parts of provinces, with which this department has had to deal. I would request the Board's attention to the financial statements of the districts now submitted, as these subsequent results of the new settlement are in reality the test and touchstone of the correctness of the lately introduced measures.

2. TRICHINOPOLY.—The accompanying figures show that the revenue of the past fasli exhibits a decrease of Rs. 1,21,185 when compared with that of the year previous to the new settlement being introduced. It may be remembered that the reduction then made was estimated at Rs. 3,88,056, so that in seven years Rs. 2,66,871 have been recouped : —

Taluqs.	Beriz of Fasli 1273 previous to the new Settlement.	Beriz of Fasli 1280.	Difference.
	RS.	RS.	RS.
Trichinopoly	5,25,493	4,58,179	— 67,314
Moosery	3,30,389	3,28,468	— 1,921
Kulittalay...	2,15,851	1,92,142	— 23,709
Perambalore	3,12,803	2,82,336	— 30,467
Woodiarpoliem	2,34,869	2,37,095	+ 2,226
Total...	16,19,405	14,98,220	—1,21,185

When the taluqs are looked at individually it will be seen that in the dry taluq of Oodiarpoliem alone has any increase resulted as yet from the new rates. In Trichinopoly and Kulittalay, which are the " wet" taluqs, there is still a decrease which can hardly be expected to disappear for some time to come, unless a considerable extension is made to the present irrigation system. As population and cultivation increase the present deficit throughout the province at large will no doubt be made good, and eventually there may be an excess of Rs. 50,000 or so above the revenues of the year anterior to the settlement. The Board may remember that the proposals regarding this settlement were not sanctioned until after considerable discussion and much difference of opinion had been expressed thereupon. The figures for comparison have been lately furnished from the Collector's Office at Trichinopoly, and must therefore be deemed the best data obtainable.

3. As regards the past fasli and that previous thereto, it will be seen that the revenue exhibits a falling off of Rs. 18,191 ; but this can be satisfactorily accounted for by the season being less favourable, and owing to the examinations, which were made on an extensive scale, increasing the revenue of 1279 by bringing to account items which included in some cases the dues of the previous two faslis :—

Taluqs.	Beriz of Fasli 1279.	Beriz of Fesli 1280.	Difference.
	RS.	RS.	RS.
Trichinopoly	4,57,322	4,58,179	+ 857
Moosery	3,31,173	3,28,468	— 2,705
Kulittalay...	1,90,719	1,92,141	+ 1,422
Perambaloor	2,97,221	2,82,336	—14,885
Woodiarpoliem	2,39,975	2,37,095	— 2,880
Total...	15,16,410	14,98,219	—18,191

Proceedings of the Madras Government, Revenue Department,
14th May 1872.

4. GODAVERY.—The aspect of this district is far more satisfactory, and shows an increase of Rs. 2,07,550 for the past year when compared with that previous to the introduction of any portion of Mr. Master's settlement in this province. It will also be seen from the accompanying statement that the beriz of the past fasli is Rs. 52,854 above that of the previous revenue year :—

Faslis.	Beriz.
	RS.
Beriz of Fasli 1271 previous to the new settlement	20,54,721
Beriz of Fasli 1279	22,09,387
,, of ,, 1280	22,62,271
Increase of Fasli 1280 over Fasli 1271...	+2,07,550
Increase of Fasli 1280 over Fasli 1279...	+52,884

5. KURNOOL.—The four settled taluqs of this district show better during the past year as may be thus seen :—

Taluqs.	Beriz of Fasli 1273 previous to the new Settlement.	Beriz of Fasli 1279.	Beriz of Fasli 1280.	Difference, Columns 2 and 4.	Difference, Columns 3 and 4.
1	2	3	4	5	6
	RS.	RS.	RS.	RS.	RS.
Ramalkota	1,65,096	1,67,042	1,71,397	+ 6,301	+ 4,355
Nandikotkur	1,94,178	2,01,680	2,06,015	+ 11,837	+ 4,335
Nandial	20,126	11,87,590	1,89,314	—11,947	+ 1,724
Sirwell	1,68,929	1,56,252	1,58,317	—10,612	+ 2,065
Total...	7,29,464	7,12,564	7,25,043	— 4,421	+ 12,479

The increase over the previous year including all items is Rs. 12,479 ; but there is still a deficit of Rs. 4,421 to be made good, in order to bring up the beriz to what it was previous to the settlement being introduced. It will be noted that whilst Ramalkottah and Nandikotkur each show an enhancement since the new rates came into force, Nandial and Sirwell exhibit a decrease : this is apparently owing to the reduction which took place when the old high consolidated wet rates were changed to dry assessment *plus* a water cha[illegible] Rs. 4. The revenue then foregone on the wet lands cannot, in most instances, be made good by extended cultivation, as the irrigation remains the same as ever, and will not permit a larger area than heretofore being brought under wet culture.

6. PRICES OF STAPLE GRAINS COMPARED WITH COMMUTATION RATES.—In furnishing the account comparing the prices of the standard grains during the past Fasli with the commutation rates fixed for each district, I must remark that the former have been framed in exactly the same manner as the latter were framed when submitted with the several reports for the sanction of Government. Thus the quotations for the past Fasli are those of wholesale transactions, or, in other words, represent the prices which the ryot obtains from the merchant or broker. The quotations show that during the past year the ryots have had nothing whatever to complain of on

the score of prices ; but at present it seems doubtful whether they will be equally well off in this respect during the current Fasli :—

Particulars.	Godavery.		Kistna.		South Arcot.		Trichinopoly.		Kurnool.	
	Commutation price per Garce.	Average price of past year framed in accordance with settlement procedure for this district.	Commutation price per Garce.	Average price of past year framed in accordance with settlement procedure for this district.	Commutation price per Garce.	Average price of past year framed in accordance with settlement procedure for this district.	Commutation price per Garce.	Average price of past year framed in accordance with settlement procedure for this district.	Commutation price per Garce.	Average price of past year framed in accordance with settlement procedure for this district.
1	2	3	4	5	6	7	8	9	10	11
	Rs.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.
Paddy, 1st and 2nd sort ...	72	97 0 0	90	140 0 0	72 0 0	108 0 0	66 10 8	106 0 0	100	179 0 0
Cholum ...	84	118 0 0	95	191 0 0	116 10 8	111 0 0	100 0 0	102 0 0	105	177 0 0
Cumboo ...	60	96 0 0	70	176 0 0	93 5 4	112 0 0	83 5 4	94 0 0	...	.....
Raggy ...	60	109 0 0	...	.....	93 5 4	111 0 0	83 5 4	95 0 0	...	.....
Varagu ...	...	.....	...	.....	51 13 8	96 0 0	50 0 0	70 0 0	60	116 0 0

* Masulipatam portion only.

Submitted for the information of Government in continuation of Board's Proceedings No. 4,001, dated 18th September 1871.

2. The Acting Director in this letter forwards his annual report for 1870-71 on the districts marginally noted, the accounts from which had not been received when the Board reviewed his report dated 22nd July last.

Kurnool.
Trichinopoly.
Godavery.

3. It is observed that *Trichinopoly* has in seven years recovered Rs. 2,66,871 of the Rs. 3,88,056 estimated as the reduction that would accompany the new settlement. The Acting Director anticipates that an excess of Rs. 50,000 over the former amount will in due course be shown. But part of this increase is due to the recent discoveries of concealed cultivation, and cannot therefore be looked upon as a direct result of the settlement operations ; and as prices, though low, did not (except in one case) touch the commutation rate adopted, it might be assumed that the settlement was unnecessarily light. But the Acting Director himself (paragraph 5) evidently anticipates a still further reduction in prices during the current year, and it is perhaps too soon to pass any final opinion on the merits of the settlement anywhere.

One thing is clear, that prices have not reached any permanently high range as was at one time commonly supposed, so that moderation in assessment is still very desirable to counteract the disastrous effects of excessive, even though temporary, depression.

4. The *Godavery* continues to flourish. Last year's land-revenue proper* was upwards of half a lakh above that of the preceding year, and more than two lakhs over that of Fasli 1271, the season before the introduction of the new settlement. With regard to this, again, it should be remembered that much of the increase must be due to the expenditure of capital on irrigation works, so that a comparison drawn between the settlements of the Godavery and Trichinopoly

* Exclusive of water-rate in Inams, etc.

would be entirely delusive without very much more detailed information than is to be found in these papers. Speaking generally, it may safely be asserted that there has been a much greater extension of irrigation by new works in the Godavery than in Trichinopoly.

5. In *Kurnool*, where four taluqs only have been settled, the collections nearly equal those made in the last year of the old rates ; but the increase is entirely in the dry taluqs, and is owing to extended cultivation, whilst the irrigated taluqs of Sirwel and Nundial (though their revenues are gradually improving), do not pay nearly so much as in the year before the settlement was made. This loss is owing, as the Acting Director points out, to the introduction of a water-rate in lieu of the old consolidated rates of assessment, and the loss on many of the actual works affected is *permanent*, because the water available will not admit of increased cultivation.

6. Prices were in most cases considerably in advance of the commutation rates, but are now likely to fall. Mr. Banbury's remarks on prices apply to South Arcot and the Masulipatam portion of the Kistna District, as well as to the districts now specially reported on ; in fact, to all the districts where the new settlement is in full operation.

No. 192G. Order thereon, 14th May 1872, No. 798C.

Land Revenue.

In reviewing the Annual Report of the Director of Revenue Settlement it is usual to commence by comparing the land-revenue demand of the Fasli referred to in the Report with that of preceding years ; the object being to ascertain how and to what extent the introduction of the new settlement has affected financial prospects and the prosperity of the ryot. The Report for 1870-71 is satisfactory in this respect. The annexed statement compares the revenue of the Fasli preceding the settlement with that of Faslis 1279 and 1280 in the districts or portions of districts to which settlement has been extended :—

Districts.	Settled Demand for the Year.		
	Fasli preceding Revision.	Fasli 1279.	Fasli 1280.
	Rs.	Rs.	Rs.
Chellumbrum Taluq of South Arcot	*5,20,605 *(1270)	5,19,763	5,23,488
Trichinopoly	16,19,405 *(1273)	15,24,782	14,98,220
Masulipatam portion of the Kistna District ...	5,79,350 *(1275)	7,59,777	8,05,202
Kurnool (four taluqs)	7,29,464 *(1273)	7,12,564	7,25,043
Settled taluqs of the Godavery District	20,54,721 *(1271)	22,09,387	22,62,271

* Number of Fasli preceding Settlement.

In the cases of the Masulipatam division of the Kistna District and Kurnool the amounts entered as the demand for Fasli 1279 in the Report for 1869-70 differ materially from those in the Report now under review. The Government learn that this is due, in the case of the Kistna District, to the water-rate in certain taluqs not having been included in the accounts of Fasli 1279, and, in the case of Kurnool, to the second crop assessment and "Tirvajasti," which, at the close of Fasli 1279, were not clearly ascertainable, having been omitted in the accounts of that Fasli. The last Fasli showed an enhanced land-revenue demand in all the districts referred to, except Trichinopoly, where the comparative decline must, in great part, be ascribed to the inclusion in

the revenue of 1279 of items which formed part of the dues of the two previous Faslis, and the evasion of which was brought to light by special investigation. The returns from the Kistna District are very satisfactory, indicating, as they do, that the heavy relinquishments of land in Fasli 1278 were not due to permanent and valid causes of discontent.

2. The statement exhibiting the "prices of staple grains compared with commutation rates," contained in paragraph 6 of Mr. Banbury's letter dated 30th September, shows that only in one* instance does the commutation rate exceed the average wholesale selling price in the settled districts.

* That of Cholum in South Arcot.

3. During the year under review operations have been carried on in the Kistna, Kurnool, Cuddapah, Nellore, Chingleput, and Salem Districts. The Acting Director has omitted in the Appendices to his Report to enter the average cost per square mile of demarcation and classification, except in the cases of Cuddapah and Chingleput. This is explained by the fact that field-work proper was performed in the Cuddapah and Chingleput Districts alone. In the other districts named above the *bona fide* field-work has been finished, and the outlay during the year under review was incurred principally under items incidental to the introduction of the settlement, such as the preparation of Land Registers and other settlement details, the measurement of minor holdings, and working up financial results. Such expenditure as was due to demarcation and classification was incurred on isolated tracts on which cultivation had been extended or which, from various causes, had been excluded from the original demarcation and classification. Where the average cost is given, *i.e.*, for the Cuddapah and Chingleput Districts, it is struck on the "Ayacut area" (column 5), and not upon the "actual work" (column 6); the former comprising hills and other tracts demarcated in block and waste land similarly classed; while the "actual work" refers only to the area dealt with in detail.

4. In paragraph 6 of his Report the Acting Director gives the results of the year under review in an abstract form as compared with those of the preceding year, but, for the reason stated in the preceding paragraph, it is impossible to institute a fair comparison of the work performed by the different parties, except in the cases of Cuddapah and Chingleput. The average cost per square mile of "classification" did not differ much in these two districts; having been Rs. 62-14-10 (against Rs. 50-7-3 in 1869-70) in Cuddapah and Rs. 63- -8 in Chingleput. In Cuddapah the average cost per square mile of demarcation was Rs. 57-7-1 against Rs. 50-1-1 in 1869-70. In Chingleput no demarcation was performed. The "average cost per square mile" given under demarcation for the Cuddapah District is *prima facie* incorrect, owing to the non-inclusion in the dividend of the "cost of boundary pillars," which is, of course, included in the expenditure. This omission is owing to the fact that the item in question was not considered when the estimate for the department was framed; it having been originally intended that the cost of the pillars should be recovered from the ryots.

5. The total expenditure (Rs. 2,77,557) exceeds that in 1869-70 by Rs. 41,971. The extent in square miles, of land demarcated (taking the ayacut area in the case of Cuddapah) was 951, against 1,098 in 1869-70, and of land classified 1,055 against 2,203. The falling off has chiefly occurred in the districts of Nellore and Cuddapah, and its causes are explained by the Acting Director. The Government are glad to receive so satisfactory a report regarding the character of the demarcation marks set up by the Settlement Department. That portion of Mr. Banbury's Report which relates to future operations need not be noticed here, as it embodies proposals which either have been or will be separately dealt with.

6. *Survey.*—Survey operations during the year under review were conducted in the districts of Coimbatore, Kurnool, Cuddapah, Tinnevelly, Chingleput, and Nellore, Ganjam, the Nilgiris, and Malabar, and to a minor extent in Salem and Bellary. The total expenditure during the year is stated by the Superintendent at Rs. 6,42,221-5-6, or Rs. 57,778-10-6 short of

the budget-estimate, and Rs. 36,743 mo
of expenditure are accounted for in the
the Central Office :—

Item

Total expenditure on survey pro
Demarcation .....
Cost of pillars .....
Lithographing maps.....

leaving an expenditure of Rs. 20,216-10-
of officers on leave.

7. An aggregate area of 2,371·48 sq
the head of demarcation. The total cost, i
Demarcation work was conducted in the di
Nellore.

8. The Government have to thank M
vision exercised by them throughout the ye
performed their work, which, in some c
creditable manner.

(T

To the Board of Revenue.
,, the Acting Director of Reven
,, the Superintendent of Revenu

Exd. F. R. Bantleman.

Revenue Dept.

No 798-6

Proceedings of the Madras Govt.

Under date the 14th ~~January~~ May 1872

Read the following Pro. of the Board of Revenue

Submitting Reports on operations of Revenue Settlement and Revenue Survey Departments during 1870-71 } H. E. 18 Sept. 1871, No 4001.

Reporting on Rev: Settlement operations in Godavery, Kurnool and Trichinopoly Districts during 1870-71. } H. E. 2 Nov. 1871, No 4568.

In reviewing the annual report of the Director of Revenue Settlement, it is usual to commence by comparing the land revenue demand of the Fusly refered to in the report with that of preceding years: the object being to ascertain how and to what extent the introduction of the new settlement has

affected

affected financial prospects and the prosperity of the ryot. The report for 1870-71 is satisfactory in this respect.

The annexed statement compares the Revenue of the Fusly preceding the settlement with that of Fuslies 1279 and 1280 in the Districts or portions of districts to which settlement has been extended.

District	Settled demand for the year		
	Fusly preceding Revision	Fusly 1279.	Fusly 1280.
	Rs.	Rs.	Rs.
Chellumbrum Taluq of S. Arcot	*5,20,605 *(1270)	5,19,768.	5,23,488.
Trichinopoly	16,19,405 *(1273)	15,24,782.	14,98,220.
Masulipatam - portion of the Kistna Dt.	7,9,350 *(1275)	7,59,777.	805,202.
Kurnool (four Talugs)	729,464 *(1273)	7,12,564.	7,25,043.
Settled Talugs of the Godavery Dt.	20,54,721 *(1271)	22,09,387.	22,62,271.

* number of Fusly preceding Settlement.

In

In the cases of the Masulipatam division of the Kistna district and Kurnool, the amounts entered as the demand for Fusly 1279 in the report for 1869-70 differ materially from those in the report now under review. The Govt. learn that this is due in the case of the Kistna to the water-rate in certain Talugs not having been included in the accounts of Fusly 1279, and in the case of Kurnool, to the second crop assessment and "Jirayat," which, at the close of Fusly 1279, were not clearly ascertainable having been omitted in the accounts of that Fusly. The last Fusly showed an enhanced land

revenue

revenue demand in all the districts referred to except Pulchimpoly, where the comparative decline must, in great part, be ascribed to the inclusion in the revenue of 1279, of items which formed part of the dues of the two previous fasslies, and the evasion of which was brought to light by special investigation. The returns from the Kistna district are very satisfactory indicating as they do that the heavy relinquishments of land in Fasly 1278 were not due to permanent and valid causes of discontent.

The

2. The statement exhibiting the "Prices of staple "grains compared with "commutation rates," contained in para 6 of Mr. Banbury's letter dated 30th September, shews that only in one instance does the commutation rate exceed the average wholesale selling price in the settled districts.

* that of Cholum in South Arcot.

3. During the year under review operations have been carried on in the Kistna, Kurnool, Cuddapah, Nellore, Chingleput, and Salem districts. The Acting

Director

Directs has omitted in
the Appendices to his
report to enter the average
cost per square mile of
demarcation and classifi-
-cation except in the cases
of Cuddapah and Chingle-
-put. This is explained
by the fact that field-work
proper was performed in
the Cuddapah and Chin-
-gleput districts alone.
In the other districts named
above the bona fide field
work has been finished
and the outlay during
the year under review
was incurred princi-
-pally under items
incidental to the
introduction of the
Settlement.

Settlement such as the
preparation of Land Register
and other settlement details
the measurement of minor
holdings and working up
financial results. Such
expenditure as was due to
demarcation and classifica-
-tion was incurred on isolated
tracts on which cultivation
had been extended or which
from various causes had
been excluded from the
original demarcation and
classification. Where the
average cost is given - i.e.
for the Cuddapah and
Chingleput districts, it is
struck on the "~~adjacent~~ Assessment
area" (col: 5) and not upon
the "actual work" (col: 6) -
the former comprising Hills &
other tracts demarcated in
block & waste land similarly
classed.

classed. While the "actual work" refers only to the area dealt with in detail.

4. In para 6 of his report the Dy: Director gives the results of the year under review in an abstract form as compared with those of the preceding year, but for the reason stated in the preceding para it is impossible to institute a fair comparison of the work performed by the different parties except in the cases of Cuddapah & Chingleput. The average cost per sq: mile of "classification" did not differ much in these two districts: having been Rs. 62 " 14 " 10 (against Rs. 50 " 7 " 3 in 1869-70) in Cuddapah, and Rs. 63 " 12 " 8 in Chingleput. In Cuddapah the average cost per sq: mile of demarcation was Rs. 157 " 7 " 1 against Rs. 50 " 1 " 1 in 1869-70. In Chingleput no demarcation was performed.

The "average cost per Square mile" given under demarcation, for the Cuddapah District, is, prima facie, incorrect, owing to the non-inclusion, in the dividend, of the "cost of boundary pillars," which is, of course, included in the Expenditure. This omission is owing to the fact that the item in question was not considered when the Estimate for the Department was framed: it having

having been
originally intended
that the cost of the
pillars should be
recovered from
the ryots

5. The total
expenditure (Rs 277,557)
exceeds that in 1869-70
by Rs 41,971. The extent,
in Sq: miles, of land
demarcated (taking
the ayacut area in
the case of Cuddapah)
was 951
against

against 1098 in 1869-70, and of
land classified 1055 against
2203. The falling off has
chiefly occurred in the District
of Nellore Cuddapah, and
its causes are explained by
the Acting Director. The
Govt are glad to receive so
satisfactory a report regarding
the character of the demar-
cation marks set up by
the Settlement Department.
That portion of Mr Bantony's
report which relates to
future operations need not
be noticed here, as it
embodies proposals which
either have been, or will
be, separately dealt with.
6. Survey. Survey operations
~~have~~ during the year under
review, ~~have~~ been confined
in the Districts of Combatore,
Kurnool, Cuddapah, Tinnevelly,
Chingleput & Nellore, Ganjam,
the Neilgherries, and Malabar,
and

and, to a minor extent, in Salem and Bellary. The total expenditure during the year is stated by the Superintendent at Rs 642,221-5-6, or Rs 57,778-10-6 short of the Budget Estimate, and Rs 36,743 more than the expenditure in 1869-70. The following items of expenditure are accounted for in the report, including rateable debits on account of the cost of the Central Office -

Item	Expenditure
Total Expenditure on Survey proper	Rs 488,201-15-1
Demarcation "	96,154-11-11
Cost of Pillars "	19,265-8-10
Lithographing maps "	18,382-7-6
Total	Rs 622,004-11-4

leaving an expenditure of Rs 20,216-10-2 unaccounted, which ~~probably includes~~ possibly comprises the ~~Allowances~~ allowances of officers on leave.

7. The area surveyed in aggregate is 2371.48 sq: miles

represents the work actually performed under the head of demarcation. The total cost, including that of boundary pillars, was Rs 115,420-4-9 - Demarcation work was commenced in the Districts of Chingleput, Ganjam, Coimbatore, Salem, and Nellore

8. ~~In conclusion~~, the Govt. have to thank Mr Bantony and Lt. Priestley for the active supervision exercised by them throughout the year. The Officers of both Departments appear to have performed their work, which in some cases has been of a very trying nature, in a highly creditable manner.

The L.B.

14 Board of Revenue Despatch 27 May 72
13. Asst. Dir: of Rev Settlt
13. Supt. of Revenue Survey

Rev Letter
Survey Operations
Season 1870-71

798.C. Rev.Dt.
14 Mar 1872