

# MADRAS RECORD OFFICE.

Government of Madras.

*Revenue* DEPARTMENT.

|                |                          |
|----------------|--------------------------|
| G.O. No. 1601. | Press<br><del>Mis.</del> |
| 3-4            |                          |
| Dated          | 1-9-191863               |

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,  
1st September 1863.*

No. 3. Read the following Proceedings of the Board of Revenue, dated 23rd July 1863,  
No. 4,541 :—

Read the following letter from R. E. MASTER, Esq., Officiating Director of Revenue Settlement, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, dated Madras, 31st March 1863, No. 385-33.

SIR,

Opening remarks.

1. In my letters of the 27th January last and 17th ultimo, Nos. 98 and 201, I reported briefly on the work accomplished by the several Settlement and Survey parties during the four quarters of the past year, in accordance with paragraph 14 of Government Order dated the 30th May 1862, No. 1,197. I have now the honor to submit a *resume* of the whole for the Settlement branch, and to forward a report from the Superintendent of Revenue Survey on the operations of his Department.

2. The new Settlement affects 387 villages out of 485, comprising the present Talook of Chidambaram. These were settled in Fasli 1271 at Rupees 5,08,015, or Rupees 14,563 below the demand of the previous Fasli (1270). The decrease is much smaller than was anticipated, and is likely to disappear altogether in the accounts of the current Fasli (1272).

3. The introduction of the new Settlement in the Western Delta Talooks of the Godavery District, which was partly carried out in 1861, was completed in the beginning of the year under report. As was to be expected, a considerable extent of land has been relinquished by the Ryots, and owing to the full assessment on that retained being in many cases only gradually imposed, the actual demand for Fasli 1272 is some Rupees 21,000 below the joint rents for Fasli 1271. Up to the end of the year, however, land assessed at Rupees 66,864 had been newly taken up, and the full assessment to be eventually imposed on the area now occupied is about Rupees 72,000 in excess of the joint rents for Fasli 1271. Numerous applications for waste lands for next Fasli have moreover been received, and I am sanguine that the accounts for Fasli 1273 will show a further large increase of revenue.

The Settlement of the Wynad Talook.

4. The orders of Government on Mr. Newill's proposal for the Settlement of the dry and wet lands in the Wynad Talook were passed on the 26th March 1862, and it was decided that the existing rates of assessment on paddy lands should remain unaltered, and that the dry lands should be assessed at Rupees 2 per Acre, the question of consolidating the jenm fee with the dry assessment being referred for the consideration of the Board.

5. The proposal for the revision of assessment in the Trichinopoly District, submitted in the Director's letter of the 20th April 1861, having been based partly on Survey, but principally on estimated areas, a report showing the financial result of the Settlement on correct areas, according to the rates prescribed in the Board's Proceedings dated the 5th April 1862, No. 2,234, was submitted on the 31st December last, and has since been forwarded to Government with the Board's Proceedings dated 3rd instant, No. 1,270. The Settlement Report on the Masulipatam portion of the Kistna District forwarded on the 12th October 1861, No. 1,517, had likewise been framed on estimated areas; and as the cultivated area has since been ascertained to be 32 per cent. in excess of the estimate, a report modifying the former proposals, and exhibiting the financial results based on true areas, was submitted on the 28th January 1863. The report on the Settlement of the Central and Eastern Deltas and upland Talooks in the Godavery District, transmitted on the 11th December 1861, No. 1,606, is under the Board's consideration.

6. With the approval\* of Government, as conveyed in the Board's Proceedings of the 4th ultimo, No. 683, the submission of the Settlement Report for the Salem District will be deferred till the possession of the true Survey areas enables me to frame reliable statements of financial results. A similar course will be followed with the Settlement Report for the Guntoor portion of the Kistna District.

Scene of operations during the year 1862.

7. The field operations in the Kistna and Salem Districts were brought to a close during the year, and the demarcation of Tinnevely was commenced. The work in the Wynad was stopped under the orders of Government dated the 21st October 1861, No. 2,015, but the demarcation of the Government lands has since been resumed under Government Order dated the 28th November last, No. 2,501. The other Districts under operation during the year were Nellore, Coimbatore and Kurnool.

Extent of work and expenditure incurred.

8. The out-turn of work in the several Districts, and the expenditure incurred during the year are given in detail in Appendix A, of which the following is an abstract. The results for the year 1861 are also exhibited in the abstract, in juxtaposition, for facility of comparison. In explanation of the area both demarcated and classified being less in 1862 than 1861, I may observe that field work was brought to a close in Salem at the beginning, and in the Kistna by the middle of last year, while the demarcation was not commenced in Tinnevely till June, and a fresh District has still to be assigned to the Kistna party. As regards classification, the Order of Government dated 7th December 1860, No. 2,334, prevented me from commencing it in any new District, and the

work was consequently confined to Kistna and Kurnool in addition to a small area in Trichinopoly and Salem.

| Names of Districts. | DEMARCATON.             |          |              |          |                               |           | CLASSIFICATION AND ASSESSMENT. |          |              |           |                               |           |
|---------------------|-------------------------|----------|--------------|----------|-------------------------------|-----------|--------------------------------|----------|--------------|-----------|-------------------------------|-----------|
|                     | Extent in square miles. |          | Expenditure. |          | Average cost per square mile. |           | Extent in square miles.        |          | Expenditure. |           | Average cost per square mile. |           |
|                     | 1862.                   | 1861.    | 1862.        | 1861.    | 1862.                         | 1861.     | 1862.                          | 1861.    | 1862.        | 1861.     | 1862.                         | 1861.     |
|                     | RS.                     | RS.      | RS.          | RS.      | RS. A. P.                     | RS. A. P. | RS.                            | RS.      | RS. A. P.    | RS. A. P. | RS. A. P.                     | RS. A. P. |
| Godavery ...        | 1,729.79                | 2,289.13 | 564          | 7,780    | 22 15 4                       | 21 0 11   | ...                            | ...      | 12,433       | 7,781     | ...                           | ...       |
| Nellore ...         | 1,445.93                | 1,887.69 | 39,713       | 41,056   | 24 8 7                        | 22 3 4    | ...                            | ...      | 38,166       | 40,689    | 25 8 1                        | 25 13 3   |
| Kistna ...          | 1,777.22                | 471.14   | 45,904       | 22,677   | 25 13 3                       | 2 1 1     | 1,496.48                       | 1,575.44 | 19,067       | ...       | 15 5 6                        | ...       |
| Kurnool ...         | 78.12                   | ...      | 2,792        | 760      | ...                           | ...       | 1,242.74                       | ...      | 32,448       | 417       | ...                           | ...       |
| Trichinopoly        | 17.86                   | 2,751.58 | 22,337       | 41,007   | 37 10 11                      | 14 14 5   | 58.59                          | 2,753.77 | 32,846       | 51,943    | ...                           | 18 13 9   |
| Salem ...           | 638.77                  | ...      | 24,070       | ...      | 36 0 11                       | ...       | 72.86                          | ...      | ...          | ...       | ...                           | ...       |
| Tinnevely...        | 1,084.87                | 294.02   | 38,809       | 26,546   | 106 3 2                       | 90 4 7    | ...                            | ...      | ...          | ...       | ...                           | ...       |
| Coimbatore.         | 73.40                   | 240.25   | 7,795        | 38,088   | ...                           | ...       | ...                            | ...      | ...          | ...       | ...                           | ...       |
| Wynad .....         | ...                     | ...      | ...          | 457      | ...                           | ...       | ...                            | ...      | 909          | 1,405     | ...                           | ...       |
| South Arcot.        | ...                     | ...      | ...          | ...      | ...                           | ...       | ...                            | ...      | ...          | ...       | ...                           | ...       |
| Total ...           | 6,845.96                | 7,933.81 | 2,17,466     | 2,20,292 | ...                           | ...       | 2,870.67                       | 4,329.21 | 1,35,869     | 1,02,235  | ...                           | ...       |

9. GODAVERY.—In the Godavery District, I was, as Deputy Director, engaged during the early part of the year in introducing the new Settlement in the Western Delta Talooks. On my transfer to Madras in March, it became necessary to provide for the charge of the office and for

the supervision of such Settlement operations as still remained to be carried out; and as the most economical arrangement, the office and establishment were placed under the charge of a trustworthy Inspector and Supervisor, who, acting under my immediate orders, has satisfactorily performed the duties required of him. As the Survey of the District was still in progress a small demarcation party was necessary, and was accordingly retained, being employed, when required, in correcting or restoring defective or injured demarcation, on the requisition of the Survey Department, in completing the boundaries of villages in which old boundary disputes remained unadjusted, and, when not required in the field, in the preparation of the Settlement Registers.

10. In numerous instances also lands which as being unlikely to be taken up for cultivation were not in the first instance assessed, have since been applied for, and taken up by the Ryots. Such lands have been demarcated, classified and assessed in the usual manner.

11. The delay in the settlement of certain boundary disputes of old standing, alluded to in paragraph 23 of Major Priestley's report, was, from a variety of causes, unavoidable, and it is not surprising, looking at the long interval which elapsed between demarcation and survey, that the lines cleared through jungles should in some places have become choked up.

12. In office, in addition to the duplicate copies of the Vernacular and English Registers for all the Government villages in the Western Delta Talooks, duplicate copies of the Vernacular Register for each of 330 villages in the Eastern and Central Delta Talooks were completed, the columns of assessment being left blank to be filled up hereafter. One copy of the English Register has also been completed for each of 425 villages. The expenditure entered against the District consists not only of the pay of the establishment employed on the work above detailed, but also of a portion of the Deputy Director's salary and of his Office Establishment with a due proportion of the charges of the Central Office. A considerable portion of the expenditure is properly debitable to the estimate of 5 Rupees per square mile for preparing Settlement Registers, though, in consequence of there being an ample margin in the amount provided for the ordinary establishments, I found it unnecessary to avail myself of the separate sanction. I am aware that the remainder, including the charges for superintendence and of the Central Office, swells the total expenditure hitherto incurred in the District, but this will not cause surprise, as I have sufficiently shown in my letter of the 30th April 1862, No. 571, submitting the revised estimates for the Departments, that the work in a District is not finished when the operations in the field are brought to a close, neither can the total outlay then be calculated. An establishment for introducing the Settlement, and for superintending the preparation of the Registers was absolutely essential, and a demarcation party could not be dispensed with as long as the survey operations were in progress. These duties have been performed as economically as possible.

13. NELLORE.—In Nellore 1,730 square miles were demarcated during the year 1862, against 2,289 square miles in the previous year. The decrease is partly owing to the Establishments which in 1861 were beyond the full strength, having been reduced in 1862 by the transfer of a demarcation party to Kurnool, and partly to the employment of a portion of the regular establishment in correcting defective demarcation, clearing lines through jungle and demarcation of these Talooks was at first made on the system in force in the Godavery District, according to which, all the Survey stations, with the exception of the trijunction and secondary masonry pillars, were fixed by the Survey Department, in pursuance of an arrangement made between the Deputy Superintendent of Revenue Survey and myself; whereas in other Districts all the Survey stations are fixed by the Demarcation Department. The servants employed in Nellore were transferred thither from the Godavery, and naturally worked on the system to which they had been accustomed, and it was not till several Talooks had been completed, that Mr. Rundall was made aware that he was not fulfilling the requirements of the Survey Department. It must also be noticed that a large tract of country operated upon in 1862 consisted of jungle, the clearing of lines through which occupied a considerable time.

14. The area returned as demarcated has been corrected, as far as practicable, by such data as the Survey Department were able to furnish. In the Government villages in the

Nellore Talook, the traverse areas were found greatly to exceed those entered in the Demarcation Returns. The cost per square mile, including the proportion of the Central Office charges, is Rupees 22-15-4 in the year 1862, against Rupees 21-11-0 in 1861. The increase is slight, considering that the party has worked at a reduced strength during the past year, and that its cost has been enhanced by the appointment of a Probationary Assistant.

15. KISTNA.—The out-turn of work in the Kistna District was 1,446 square miles of demarcation, and 1,496 square miles of classification. In both branches the area accomplished is less than in the previous year, but this is owing to the field work in the District having drawn to a close, and to the circumstance of the field parties having in 1861 worked through the whole year without any recess. In 1862 a double recess was taken, and the actual work in the field was limited to seven months. During this period, however, the work was carried on with vigor, and the average monthly out-turn exceeded that of the previous year. The Superintendent of Revenue Survey has expressed his approval of the manner in which the demarcation has been performed. In 488 villages, in which comparison has been possible, the traverse areas have been found to exceed the Curnums' areas by 18 per cent., and it has been therefore considered quite safe to correct the latter by the addition of 15 per cent.

16. The average cost of Demarcation in 1862 is Rupees 24-8-7, and of classification Rupees 25-8-8, or Rupees 50-0-8 for the two operations combined against Rupees 48-0-7 in the year 1861. The increase is sufficiently accounted for by the field work having been carried on during only seven months of the year, while the expenditure has been incurred for twelve months, the establishments having been employed during the remaining five months in recess duties, in the preparation of settlement Registers for the Masulipatam Division, and in the re-examination of classification.

17. KURNOOL.—In Kurnool, the operations both of demarcation and classification have been carried on with great vigor and success. The work was confined to the four Talooks of Kurnool proper, and was in the first instance limited to the area likely to come under the influence of the Irrigation Company's works. An area of 1,777 square miles has been demarcated, and 1,743 square miles classified at a cost per square mile of Rupees 26-12-1, and Rupees 15-5-6 respectively, or for both operations combined, Rupees 42-1-7. In 1861 no classification was accomplished, and but a small area demarcated at a high rate of cost, the establishments employed having been small, and the cost of superintendence large. In 30 villages in the Ramalkota Talook for which the traverse areas were received during the year, the excess of the Survey over the Curnums' areas has been ascertained to be 5 per cent., and this rate has been brought to account in calculating the cost per square mile.

18. The out-turn of work during the year, and especially during the last six months of it, is in excess of the estimated standard. I attribute this partly to the great exertions made by all the officers employed to push on the work in compliance with the known wishes of Government, and partly to the field establishments having worked through the whole year without any recess. Had the usual recess been taken, less work would have been accomplished, and its cost per square mile would have been greater. The double recess, which in the Kistna District was taken in 1862, will be taken by the Kurnool party in the current year, as soon as the field work has been brought to a close.

19. SALEM.—The field work in the Salem District was very nearly completed by the end of 1861, and the small out-turn exhibited in the present Returns represents the work in villages in progress, completed in the month of January 1862. The greater portion of the establishments, however, was employed during the first half-year in remedying the defects in the former demarcation, in clearing chain lines, erecting boundary pillars, completing the examination and revision of classification, and finally in closing the classification accounts on Curnums' areas. As the work above detailed cannot be tabulated in a convenient form, the average cost per square mile has not been given. I regret that serious and well-founded complaints have been made by the Survey Department regarding the demarcation of village boundaries in the plains, and of estates and properties on the Shevaroy Hills. Mr. Thomas, the Deputy Director, who had charge of, and

is responsible for the Salem Settlement operations, is now in England ; but Mr. Puckle, who succeeded him, attributes the faulty boundary demarcation to two causes, viz., first, the sacrifice of accuracy to expedition, villages having been entered as completed, as soon as the stations had been marked by pegs, and before any boundary pillars had been erected ; and second, the attempt to carry village boundary lines over rugged hills and through dense jungles, where the scanty population was physically unable to clear the chain lines or mark out the blocks of waste required of them, instead of excluding all such tracts and confining the demarcation to the cultivated area, and such a portion of waste as was likely to be taken up for cultivation. I am now in communication with Mr. Puckle and the Superintendent of Revenue Survey on the best means of rectifying the mistakes which have been committed.

20. TRICHINOPOLY.—In Trichinopoly, the Settlement Registers for 1,694 square miles were prepared during the year at a cost for extra establishments and Contingent charges of Rupees 8,100, or Rupees 4-12-4 per square mile. The whole of the District has now been registered with the exception of about 300 villages in Wodiarpolliem, where the Survey operations are still in progress. These will be taken up and completed as soon as the correct areas are received.

21. In the Woodiarpolliem Talook 50,000 Acres hitherto unsurveyed in detail, but which either have, or are now likely to be taken up for cultivation by the Ryots, were demarcated and classified during the year.

22. TINNEVELLY.—The demarcation of the Tinnevely District was commenced in June by Lieutenant Stuart, Assistant Director, under Mr. Puckle's general direction, and 638 square miles were accomplished by the end of the year, at a cost of Rupees 37-10-11 per square mile. The out-turn is somewhat below the estimated standard ; but the party was at first limited in strength, a number of hands having been employed in Salem, and it was not made up to its full complement before September. The monsoon was also unusually heavy and retarded operations in the river irrigated villages. The work was further impeded by the apathy of the Ryots, who could not, for some time, be made to understand the objects of the new Survey and Settlement, or the requirements of the Department. These obstacles have now been surmounted, and there is every reason to hope that more rapid progress will henceforth be made. The demarcation is reported to be very good (the marks, both of villages and fields being of stone), and is considered by Mr. Puckle to be the best that has yet been turned out by the southern party.

23. The Tinnevely and Tenkasy Talooks were completed within the year, and that of Ambasamoodram nearly so. It is calculated that by the end of May next, five irrigated Talooks, containing an area of 1,716 square miles, will be in readiness to be handed over to the Survey Department.

24. The boundaries of the villages now demarcated have been in many instances altered, as they were intermingled to such an extent that one village had often as many as six or eight outlying patches surrounded by the lands of adjoining villages. Numerous small villages of less than 100 Acres in extent have also been clubbed with others of a larger size. These alterations have been made with the concurrence of the Collector.

25. COIMBATORE.—The out-turn of work in Coimbatore is below the estimated standard though it very much exceeds the area accomplished during the preceding year. This party has from the first labored under great disadvantages, owing to its constant transfers from District to District, and on its final removal from the Wynad in the early part of 1862, the resignations were so numerous that the party had to be almost wholly re-organized. A further distant journey to Tinnevely was also at that time in prospect which added to the difficulty of obtaining efficient hands, who, in consequence, were but slowly and gradually entertained. The non-supply of a sufficient number of villages to the Survey Department is thus accounted for, but the badness of the demarcation in the villages handed over, is attributable in my opinion to want of energetic supervision, as well as to the inferiority of the subordinate agency available. Due notice has been taken of these short-comings, and I have reason to hope that the future work will show an improvement. There is a very great diminution in the cost of the demarcation, the amount having been Rupees 36-0-11 per square mile in the past year against Rupees 90-4-7 in 1861. This is

attributable in some measure to the mileage and extra batta allowed to the party during its stage in the Wynad having ceased to be drawn, but chiefly to the far larger area of work performed during the year.

26. WYNAD.—In Wynad by the end of March 1862, when effect was given to the orders of Government dated the 21st October 1861, No. 2,015, 73 square miles, comprising 37 European Coffee estates, 142 Native plantations, and 477 Government tracts, including forests, grass hills and paddy flats, had been demarcated at a cost of Rupees 7,795 or Rupees 106-3-2 per square mile. For the completion of the demarcation of the remaining Government forests, a small party was organized in the month of December last under Government Order dated the 28th November 1862, No. 2,501; but as the work was not commenced before the last week of the month, nothing was completed during the year, though three properties extending over an area of about 4,000 Acres were in progress at its close.

27. The annexed Statement shows the expenditure of the year compared with that of the previous one, and also with the sanctioned amount. The figures are given for each party, and include the Regimental allowances drawn by the Assistant Directors, and the expenditure for the construction of boundary pillars, the preparation of Settlement Registers, Contingent charges, &c. :—

| Districts.         | Sanctioned amount. | Actual expenditure in 1861. | Actual expenditure in 1862. | Difference between columns 2 and 4. | Difference between columns 3 and 4. |
|--------------------|--------------------|-----------------------------|-----------------------------|-------------------------------------|-------------------------------------|
| 1                  | 2                  | 3                           | 4                           | 5                                   | 6                                   |
|                    | RS.                | RS.                         | RS.                         | RS.                                 | RS.                                 |
| Godavery ...       | 81,887             | 11,157                      | 9,946                       | —39,906                             | —1,211                              |
| Nellore ...        |                    | 36,652                      | 32,035                      |                                     | —4,617                              |
| Kistna ...         | 83,287             | 64,995                      | 62,533                      | —20,754                             | —2,462                              |
| Kurnool ...        | 84,415             | 17,101                      | 54,032                      | —30,383                             | +36,931                             |
| Salem ...          |                    |                             | 49,510                      |                                     |                                     |
| Trichinopoly ...   | 98,767             | 78,376                      | 31,382                      | +3,560                              | +23,951                             |
| Tinnevely ...      |                    |                             | 21,435                      |                                     |                                     |
| Coimbatore ...     | 83,287             | 18,601                      | 30,839                      | —46,758                             | +12,238                             |
| Wynad ...          |                    | 28,418                      | 5,690                       |                                     | —22,728                             |
| Central Office ... | 70,416             | 67,227                      | 62,936                      | —7,480                              | —4,291                              |
|                    |                    |                             |                             | —1,45,281<br>+ 3,560                | + 73,120<br>— 35,309                |
| Total.....         | 5,02,059           | 3,22,527                    | 3,60,338                    | —1,41,721                           | + 37,811                            |
| South Arcot ...    | 5,489              | 1,861                       | 4,775                       |                                     |                                     |
|                    |                    | 1,862                       | 856                         |                                     |                                     |
|                    |                    |                             | 5,631                       | +14                                 | 2                                   |

The excess of expenditure in the Trichinopoly, Salem and Tinnevely party is attributable to the salaries of two Deputy Directors having been for some months debited to it after Mr. Puckle's return, and before Mr. Thomas' departure.

28. The number of boundary pillars constructed during the year in the several Districts is shown in detail in Statement B, in the Appendix. The marginal Abstract of the same is given in the following Table.

| Items.                                                                       | Total.  |
|------------------------------------------------------------------------------|---------|
| <b>VILLAGE BOUNDARIES.</b>                                                   |         |
| Villages... ..                                                               | 1,809   |
| Khandams or Sub-divisions ... ..                                             | 9,222   |
| Trijunction pillars ... ..                                                   | 4,731   |
| Secondary do. ... ..                                                         | 23,462  |
| Other marks on village boundaries...                                         | 65,256  |
| Marks on Khandams ... ..                                                     | 81,109  |
| <b>FIELD BOUNDARIES.</b>                                                     |         |
| Number of Villages ... ..                                                    | 1,308   |
| Villages divided into Khandams. { No. of villages<br>{ No. of Khan-<br>dams. | 1,049   |
| Number of fields marked. ..                                                  | 10,916  |
|                                                                              | 539,827 |

shown in detail in Statement B, in the Appendix. The marginal Abstract shows at one view the particulars under the several heads. In Nellore, single blocks of either granite or laterite have been extensively used. In the Kistna and Kurnool Districts, stones have been universally employed in the tracts demarcated during the year, and the survey stations on the boundary and Khaddams have been further distinguished and rendered more permanent by the stones being embedded in masonry. In Salem, Coimbatore and Tinnevely, both field and village boundary marks consist of upright stones, and will, I hope, in most instances be permanent.

29. The annexed Statement shows the number of villages in each District for which the Survey areas were received during the year :—

| Districts.      | Number of villages. | Extent in square miles. | Remarks |
|-----------------|---------------------|-------------------------|---------|
| 1. Godavery     | 214                 | Sq. Mls. 800            |         |
| 2. Kistna       | 497                 | 1,209                   |         |
| 3. Trichinopoly | 805                 | 1,694                   |         |
| 4. Salem        | 357                 | 1,700                   |         |

30. In the Wynad, the Survey areas for 65 European Coffee estates, 31 Native plantations, and 116 Government lands, chiefly paddy flats, were received during the year, and the Register are under preparation.

Sub-Division of fields.

31. Pending the orders of Government on my letter dated the 3rd April last, No. 425, submitted with the Board's in abeyance, or has progressed but slowly. In the Godavery District, the work is under suspension, except that in the Western Delta for Settlement purposes the Curnums' measurements have been accepted in Nellore, Kurnool, Tinnevely and Coimbatore it has not been commenced. In the Kistna District the measurements in 33 villages were completed during the year by the Curnums, and in 33 more were in progress at its close.

Settlement Registers.

32. In accordance with the wishes of Government expressed in paragraph 2 of their Proceedings of the 12th August 1862, No. 1,703, the use of inferior paper for the preparation of the Vernacular Settlement Registers has been abandoned, and arrangements will be made to have all the Registers well bound. Specimen copies are herewith forwarded for the inspection of the Board and Government. I propose that the Maps to accompany the English Registers, and the Vernacular copy for the use of the Tahsildar should be contained in a pocket attached to the book, and that the Maps to accompany the Vernacular Register for the use of the Curnum should be kept in a separate pocket like the one now forwarded, or else in a tin case. The three first named copies will be stowed away in large numbers in book-cases in the Board's, the Collector's and the Tahsildar's Offices, and reference will be facilitated by each Map being placed with the Register to which it belongs. The Curnum on the other hand will only have one Register and one Map to look after, and as the latter may often be required in the field without the former, it seems advisable to keep them separate. The cost of binding the Registers and mounting the Maps has been estimated for one Talook in the Godavery District at the following rate, for each village. The amount will vary according to the average size of the Maps, and the quantity of cloth consequently required for mounting them, but it is not likely to exceed Rupees 2-8-0 per village :—

|                                                         |     |    |    |
|---------------------------------------------------------|-----|----|----|
| Binding one book at 4 Annas                             | Rs. | A. | P. |
| Do. three do. with pocket at Annas 4-6                  | 0   | 4  | 0  |
| One separate pocket, or tin case at 2 Annas             | 0   | 13 | 6  |
| Mounting four Maps at an average of 4 Annas and 5 Pice. | 1   | 1  | 8  |
| Total per village                                       | 2   | 5  | 2  |

These rates must be considered very low, and can only be obtained by giving a wholesale contract to a respectable Madras firm. Attempts have been made to get the Registers bound at that done here, and the cost higher. It will be noticed that in the Registers now submitted words constantly recurring have been impressed by a stamp instead of being written. This plan of interstitial fields having still to be entered. They will be duly authenticated before they are handed over to the Collector.

Talook Maps.

33. The Talook Maps which accompany Major Priestley's report are very well executed, but in my opinion would look better if the titles, &c., were lithographed on a smaller scale.

34. In conclusion, it remains for me to notice that the Deputy Directors generally, and especially Messrs. R. K. Puckle and F. W. Morris have been indefatigable in the discharge of their important duties, while the Assistant Directors have generally given satisfaction. Among the latter I may mention Mr. Rundall, Major Smith and Lieutenant Stuart, who have respectively had charge of the Settlement operations in Nellore, Kurnool and Tinnevely, and Mr. Cox, who is very highly spoken of by the Deputy Director of his party.

ENCLOSURE No. 1.

APPENDIX A.

STATEMENT showing the extent of DEMARCATION and CLASSIFICATION work performed by the several Settlement Parties and the expenditure incurred thereon, for the year 1862.

| TALOOKS.                       | No. of Villages completed. | No. of Villages in progress. | Ayakut or gross area in square miles. | Actual work in square miles. | Cost of field work. | Cost of superintendence. | Total. | Average cost per square mile on the Ayakut. | Remarks. |
|--------------------------------|----------------------------|------------------------------|---------------------------------------|------------------------------|---------------------|--------------------------|--------|---------------------------------------------|----------|
| GODAVERY PARTY.                |                            |                              |                                       |                              | RS.                 | RS.                      | RS.    | RS. A. P.                                   |          |
| Narsapur                       | ...                        | ...                          | ...                                   | ...                          | 7                   | 2                        | 9      | ...                                         |          |
| Tanuku                         | ...                        | ...                          | ...                                   | ...                          | 2                   | 1                        | 3      | ...                                         |          |
| Undi                           | ...                        | ...                          | ...                                   | ...                          | 33                  | 12                       | 50     | ...                                         |          |
| Nagaram                        | ...                        | ...                          | ...                                   | ...                          | 24                  | 8                        | 32     | ...                                         |          |
| Rali                           | ...                        | ...                          | ...                                   | ...                          | 19                  | 6                        | 25     | ...                                         |          |
| Ramachendrapur.                | ...                        | ...                          | ...                                   | ...                          | 14                  | 4                        | 18     | ...                                         |          |
| Kapavaram                      | ...                        | ...                          | ...                                   | ...                          | 36                  | 11                       | 47     | ...                                         |          |
| Tadimalla                      | ...                        | ...                          | ...                                   | ...                          | 50                  | 16                       | 66     | ...                                         |          |
| Pentapad                       | ...                        | ...                          | ...                                   | ...                          | 2                   | 1                        | 3      | ...                                         |          |
| Chintalapudi                   | ...                        | ...                          | ...                                   | ...                          | 159                 | 50                       | 209    | ...                                         |          |
| Kykalur                        | ...                        | ...                          | ...                                   | ...                          | 7                   | 2                        | 9      | ...                                         |          |
| Tiruvur                        | ...                        | ...                          | ...                                   | ...                          | 71                  | 22                       | 93     | ...                                         |          |
| Total                          | ...                        | ...                          | ...                                   | ...                          | 429                 | 135                      | 564    | ...                                         |          |
| Cost of Boundary pillars.      |                            |                              |                                       |                              | 53                  | ...                      | 53     | ...                                         |          |
|                                |                            |                              |                                       |                              | 482                 | 135                      | 617    | ...                                         |          |
| Classification and Assessment. |                            |                              |                                       |                              |                     |                          |        |                                             |          |
| Narsapur                       | ...                        | ...                          | ...                                   | ...                          | 947                 | 297                      | 1,244  | ...                                         |          |
| Tanuku                         | ...                        | ...                          | ...                                   | ...                          | 1,004               | 315                      | 1,319  | ...                                         |          |
| Undi                           | ...                        | ...                          | ...                                   | ...                          | 2,267               | 711                      | 2,978  | ...                                         |          |
| Nagaram                        | ...                        | ...                          | ...                                   | ...                          | 753                 | 236                      | 989    | ...                                         |          |
| Amalapur                       | ...                        | ...                          | ...                                   | ...                          | 1,281               | 402                      | 1,683  | ...                                         |          |
| Rali                           | ...                        | ...                          | ...                                   | ...                          | 628                 | 197                      | 825    | ...                                         |          |
| Ramachendrapur.                | ...                        | ...                          | ...                                   | ...                          | 658                 | 207                      | 865    | ...                                         |          |
| Bichavolu                      | ...                        | ...                          | ...                                   | ...                          | 417                 | 130                      | 547    | ...                                         |          |
| Kapavaram                      | ...                        | ...                          | ...                                   | ...                          | 358                 | 112                      | 470    | ...                                         |          |
| Rajahmundry                    | ...                        | ...                          | ...                                   | ...                          | 114                 | 36                       | 150    | ...                                         |          |
| Kottapalli                     | ...                        | ...                          | ...                                   | ...                          | 170                 | 53                       | 223    | ...                                         |          |
| Lingamparru                    | ...                        | ...                          | ...                                   | ...                          | 54                  | 17                       | 71     | ...                                         |          |
| Tadimalla                      | ...                        | ...                          | ...                                   | ...                          | 95                  | 30                       | 125    | ...                                         |          |
| Pentapad                       | ...                        | ...                          | ...                                   | ...                          | 554                 | 174                      | 728    | ...                                         |          |
| Peddapur                       | ...                        | ...                          | ...                                   | ...                          | 64                  | 20                       | 84     | ...                                         |          |
| Pittapur                       | ...                        | ...                          | ...                                   | ...                          | 5                   | 2                        | 7      | ...                                         |          |
| Cocanada                       | ...                        | ...                          | ...                                   | ...                          | 12                  | 4                        | 16     | ...                                         |          |
| Chintalapudi                   | ...                        | ...                          | ...                                   | ...                          | 69                  | 22                       | 91     | ...                                         |          |
| Relangi                        | ...                        | ...                          | ...                                   | ...                          | 14                  | 4                        | 18     | ...                                         |          |
| Total                          | ...                        | ...                          | ...                                   | ...                          | 9,464               | 2,969                    | 12,433 | ...                                         |          |
| NELLORE.                       |                            |                              |                                       |                              |                     |                          |        |                                             |          |
| Nellore                        | ...                        | ...                          | ...                                   | ...                          | 408                 | 128                      | 536    | ...                                         |          |
| Atmakur                        | ...                        | ...                          | ...                                   | ...                          | 672                 | 211                      | 883    | ...                                         |          |
| Rapur                          | ...                        | ...                          | ...                                   | ...                          | 3,527               | 1,106                    | 4,633  | ...                                         |          |
| Kavali                         | ...                        | ...                          | ...                                   | ...                          | 1,376               | 432                      | 1,808  | ...                                         |          |
| Gudur                          | ...                        | ...                          | ...                                   | ...                          | 31-41               | 16-12                    | 4,015  | ...                                         |          |
| Udayagiri                      | ...                        | ...                          | ...                                   | ...                          | 264-49              | 173-80                   | 3,833  | ...                                         |          |
| Kandukur                       | ...                        | ...                          | ...                                   | ...                          | 497-31              | 465-05                   | 10,582 | ...                                         |          |
| Kanigiri                       | ...                        | ...                          | ...                                   | ...                          | 318-42              | 275-13                   | 8,235  | ...                                         |          |
| Ongole                         | ...                        | ...                          | ...                                   | ...                          | 323-80              | 245-50                   | 5,188  | ...                                         |          |
| Total                          | 260                        | 260                          | 1,729-79                              | 1,440-40                     | 30,230              | 9,483                    | 39,713 | 22 15 4                                     |          |
| Cost of Boundary pillars.      |                            |                              |                                       |                              | 1,805               | ...                      | 1,805  | ...                                         |          |
|                                |                            |                              |                                       |                              | 32,035              | 9,483                    | 41,518 | ...                                         |          |

STATEMENT showing the extent of DEMARCATION and CLASSIFICATION work, &c.—(Continued)

| TALOOKS.                       |                               | No. of Villages completed. | No. of Villages in progress. | Ayakut or gross area in square miles. | Actual work in square miles. | Cost of field work. | Cost of superintendence. | Total  | Average cost per square mile on the Ayakut. | Remarks.                                                                                   |
|--------------------------------|-------------------------------|----------------------------|------------------------------|---------------------------------------|------------------------------|---------------------|--------------------------|--------|---------------------------------------------|--------------------------------------------------------------------------------------------|
| Demarcation.                   | KISTNA PARTY.                 |                            |                              |                                       |                              | RS.                 | RS.                      | RS.    | RS. A. P.                                   | This expenditure was incurred on account of revision of the previous year's work, &c., &c. |
|                                | Bapatla ... ..                | 1                          | ...                          | 1.42                                  | 1.42                         | 2,948               | 608                      | 3,556  | ...                                         |                                                                                            |
|                                | Palnad ... ..                 | 42                         | ...                          | 357.95                                | 159.68                       | 4,055               | 836                      | 4,891  | ...                                         |                                                                                            |
|                                | Krosur ... ..                 | 2                          | ...                          | 7.76                                  | 5.49                         | 10                  | 2                        | 12     | ...                                         |                                                                                            |
|                                | Rajapet ... ..                | 91                         | ...                          | 583.29                                | 527.09                       | 9,124               | 1,881                    | 11,005 | ...                                         |                                                                                            |
|                                | Vinukonda ... ..              | 51                         | ...                          | 495.51                                | 309.49                       | 8,982               | 1,852                    | 10,834 | ...                                         |                                                                                            |
|                                | Repalli ... ..                | ...                        | ...                          | ...                                   | ...                          | 2,921               | 602                      | 3,523  | ...                                         |                                                                                            |
|                                | Guntur ... ..                 | ...                        | ...                          | ...                                   | ...                          | 817                 | 168                      | 985    | ...                                         |                                                                                            |
|                                | Bander ... ..                 | ...                        | ...                          | ...                                   | ...                          | 22                  | 4                        | 26     | ...                                         |                                                                                            |
|                                | Bezawada ... ..               | ...                        | ...                          | ...                                   | ...                          | 25                  | 5                        | 30     | ...                                         |                                                                                            |
|                                | Nandigama ... ..              | ...                        | ...                          | ...                                   | ...                          | 153                 | 31                       | 184    | ...                                         |                                                                                            |
|                                | Ellore ... ..                 | ...                        | ...                          | ...                                   | ...                          | 348                 | 72                       | 420    | ...                                         |                                                                                            |
|                                | Jaggayapetta ... ..           | ...                        | ...                          | ...                                   | ...                          | 13                  | 3                        | 16     | ...                                         |                                                                                            |
|                                | Gudivada ... ..               | ...                        | ...                          | ...                                   | ...                          | ...                 | ...                      | ...    | ...                                         |                                                                                            |
| Divy ... ..                    | ...                           | ...                        | ...                          | ...                                   | ...                          | ...                 | ...                      | ...    |                                             |                                                                                            |
| Total...                       |                               | 187                        | ...                          | 1,445.93                              | 1,003.17                     | 29,418              | 6,064                    | 35,482 | 24 8 7                                      |                                                                                            |
|                                |                               | ...                        | ...                          | Cost of Boundary pillars.             |                              | 1,472               | ...                      | 1,472  | ...                                         |                                                                                            |
|                                |                               | ...                        | ...                          | ...                                   | ...                          | 30,890              | 6,064                    | 36,954 | ...                                         |                                                                                            |
|                                |                               |                            |                              |                                       |                              |                     |                          |        |                                             |                                                                                            |
| Classification and Assessment. | Bapatla ... ..                | 1                          | ...                          | 1.42                                  | 1.42                         | 2,249               | 473                      | 2,722  | ...                                         |                                                                                            |
|                                | Palnad ... ..                 | 52                         | ...                          | 408.50                                | 250.22                       | 4,296               | 885                      | 5,181  | ...                                         |                                                                                            |
|                                | Krosur ... ..                 | 2                          | ...                          | 7.76                                  | 6.20                         | 183                 | 37                       | 220    | ...                                         |                                                                                            |
|                                | Rajapet ... ..                | 91                         | ...                          | 583.29                                | 530.73                       | 8,802               | 1,814                    | 10,616 | ...                                         |                                                                                            |
|                                | Vinukonda ... ..              | 51                         | ...                          | 495.51                                | 308.41                       | 5,422               | 1,117                    | 6,539  | ...                                         |                                                                                            |
|                                | Repalli ... ..                | ...                        | ...                          | ...                                   | ...                          | 2,908               | 598                      | 3,506  | ...                                         |                                                                                            |
|                                | Guntur ... ..                 | ...                        | ...                          | ...                                   | ...                          | 1,694               | 350                      | 2,044  | ...                                         |                                                                                            |
|                                | Bander ... ..                 | ...                        | ...                          | ...                                   | ...                          | 880                 | 181                      | 1,061  | ...                                         |                                                                                            |
|                                | Bezawada ... ..               | ...                        | ...                          | ...                                   | ...                          | 1,024               | 208                      | 1,232  | ...                                         |                                                                                            |
|                                | Nandigama ... ..              | ...                        | ...                          | ...                                   | ...                          | 1,480               | 305                      | 1,785  | ...                                         |                                                                                            |
|                                | Jaggayapetta ... ..           | ...                        | ...                          | ...                                   | ...                          | 116                 | 24                       | 140    | ...                                         |                                                                                            |
|                                | Gudivada ... ..               | ...                        | ...                          | ...                                   | ...                          | 2,246               | 461                      | 2,707  | ...                                         |                                                                                            |
|                                | Divy ... ..                   | ...                        | ...                          | ...                                   | ...                          | 343                 | 70                       | 413    | ...                                         |                                                                                            |
|                                | Total...                      |                            | 197                          | ...                                   | 1,496.48                     | 1,096.98            | 31,643                   | 6,523  | 38,166                                      |                                                                                            |
|                                |                               |                            |                              |                                       |                              |                     |                          |        |                                             |                                                                                            |
| Demarcation.                   | KURNOOL.                      |                            |                              |                                       |                              |                     |                          |        |                                             |                                                                                            |
|                                | Ramalakota ... ..             | 51                         | ...                          | 194.16                                | 280.22                       | 10,482              | 2,519                    | 13,001 | ...                                         |                                                                                            |
|                                | Nandikotkur ... ..            | 93                         | ...                          | 610.88                                | 599.02                       | 13,429              | 3,227                    | 16,656 | ...                                         |                                                                                            |
|                                | Nandiyal ... ..               | 88                         | 3                            | 468.09                                | 450.82                       | 7,743               | 1,860                    | 9,603  | ...                                         |                                                                                            |
|                                | Sirwel ... ..                 | 62                         | 23                           | 504.09                                | 361.76                       | 5,357               | 1,287                    | 6,644  | ...                                         |                                                                                            |
|                                | Add Khandam demarcated ... .. | ...                        | ...                          | ...                                   | 70.59                        | ...                 | ...                      | ...    | ...                                         |                                                                                            |
| Total...                       |                               | 294                        | 26                           | 1,777.22                              | 1,762.41                     | 37,011              | 8,893                    | 45,904 | 25 13 3                                     |                                                                                            |
|                                |                               |                            |                              | Cost of boundary pillars.             |                              | 1,648               | ...                      | 1,648  | ...                                         |                                                                                            |
|                                |                               |                            |                              |                                       |                              | 38,659              | 8,893                    | 47,552 | ...                                         |                                                                                            |
|                                |                               |                            |                              |                                       |                              |                     |                          |        |                                             |                                                                                            |
| Classification and Assessment. | Ramalakota ... ..             | 8                          | ...                          | 43.63                                 | 44.66                        | 794                 | 191                      | 985    | ...                                         |                                                                                            |
|                                | Nandikotkur ... ..            | 34                         | 11                           | 254.69                                | 219.69                       | 2,301               | 552                      | 2,853  | ...                                         |                                                                                            |
|                                | Nandiyal ... ..               | 88                         | 3                            | 466.44                                | 451.06                       | 7,168               | 1,722                    | 8,890  | ...                                         |                                                                                            |
|                                | Sirwel ... ..                 | 62                         | 21                           | 477.98                                | 326.13                       | 5,110               | 1,229                    | 6,339  | ...                                         |                                                                                            |
|                                | Total...                      |                            | 192                          | 35                                    | 1,242.74                     | 1,041.54            | 15,373                   | 3,694  | 19,067                                      |                                                                                            |

STATEMENT showing the extent of DEMARCATION and CLASSIFICATION work, &c.—(Continued)

| TALOOKS.                       |                     | No. of Villages completed. | No. of Villages in progress. | Ayakut or gross area in square miles. | Actual work in square miles. | Cost of field work. | Cost of superintendence. | Total.  | Average cost per square mile on the Ayakut. | Remarks. |
|--------------------------------|---------------------|----------------------------|------------------------------|---------------------------------------|------------------------------|---------------------|--------------------------|---------|---------------------------------------------|----------|
|                                |                     |                            |                              |                                       |                              | RS.                 | RS.                      | RS.     | RS. A. P.                                   |          |
| Demarcation.                   | SALEM PARTY.        |                            |                              |                                       |                              |                     |                          |         |                                             |          |
|                                | Darmapuri           | 1                          | ..                           | 0.02                                  | 0.42                         | 1,029               | 127                      | 1,156   | .. .. .                                     |          |
|                                | Kistnagiri          | 18                         | ..                           | 1.69                                  | 1.69                         | 3,484               | 428                      | 3,912   | .. .. .                                     |          |
|                                | Denkancottah        | 2                          | ..                           | 16.15                                 | 2.50                         | 6,055               | 744                      | 6,799   | .. .. .                                     |          |
|                                | Tripatur            | ..                         | ..                           | ..                                    | ..                           | 1,264               | 155                      | 1,419   | .. .. .                                     |          |
|                                | Uttengiri           | ..                         | ..                           | ..                                    | ..                           | 5,091               | 626                      | 5,717   | .. .. .                                     |          |
|                                | Osoor               | ..                         | ..                           | ..                                    | ..                           | 1,430               | 176                      | 1,606   | .. .. .                                     |          |
|                                | Salem               | ..                         | ..                           | ..                                    | ..                           | 254                 | 31                       | 285     | .. .. .                                     |          |
|                                | Womalur             | ..                         | ..                           | ..                                    | ..                           | 343                 | 42                       | 385     | .. .. .                                     |          |
|                                | Senkagiri           | ..                         | ..                           | ..                                    | ..                           | 162                 | 20                       | 182     | .. .. .                                     |          |
|                                | Paramatti           | ..                         | ..                           | ..                                    | ..                           | 128                 | 16                       | 144     | .. .. .                                     |          |
|                                | Rasipuram           | ..                         | ..                           | ..                                    | ..                           | 58                  | 7                        | 65      | .. .. .                                     |          |
|                                | Namakal             | ..                         | ..                           | ..                                    | ..                           | 58                  | 7                        | 65      | .. .. .                                     |          |
|                                | Trichengode         | ..                         | ..                           | ..                                    | ..                           | 85                  | 10                       | 95      | .. .. .                                     |          |
|                                | Attur               | ..                         | ..                           | ..                                    | ..                           | ..                  | ..                       | ..      | .. .. .                                     |          |
| Shevaroy Hills                 | ..                  | ..                         | ..                           | ..                                    | 451                          | 56                  | 507                      | .. .. . |                                             |          |
| Total                          |                     | 21                         | ..                           | 17.86                                 | 4.61                         | 19,892              | 2,445                    | 22,337  | .. .. .                                     |          |
| Cost of Boundary pillars.      |                     |                            |                              |                                       |                              | 368                 | ..                       | 368     | .. .. .                                     |          |
|                                |                     |                            |                              |                                       |                              | 20,260              | 2,445                    | 22,705  | .. .. .                                     |          |
| Classification and Assessment. | Darmapuri           | 1                          | ..                           | 0.02                                  | 0.35                         | 1,575               | 194                      | 1,769   | .. .. .                                     |          |
|                                | Kistnagiri          | 19                         | ..                           | 2.45                                  | 1.61                         | 5,144               | 632                      | 5,776   | .. .. .                                     |          |
|                                | Denkancottah        | 12                         | ..                           | 70.39                                 | 7.95                         | 7,991               | 982                      | 8,973   | .. .. .                                     |          |
|                                | Tripatur            | ..                         | ..                           | ..                                    | ..                           | 1,024               | 126                      | 1,150   | .. .. .                                     |          |
|                                | Uttengiri           | ..                         | ..                           | ..                                    | ..                           | 4,436               | 545                      | 4,981   | .. .. .                                     |          |
|                                | Osoor               | ..                         | ..                           | ..                                    | ..                           | 2,303               | 283                      | 2,586   | .. .. .                                     |          |
|                                | Salem               | ..                         | ..                           | ..                                    | ..                           | 1,010               | 124                      | 1,134   | .. .. .                                     |          |
|                                | Womalur             | ..                         | ..                           | ..                                    | ..                           | 1,090               | 134                      | 1,224   | .. .. .                                     |          |
|                                | Senkagiri           | ..                         | ..                           | ..                                    | ..                           | 544                 | 67                       | 611     | .. .. .                                     |          |
|                                | Paramatti           | ..                         | ..                           | ..                                    | ..                           | 560                 | 69                       | 629     | .. .. .                                     |          |
|                                | Rasipuram           | ..                         | ..                           | ..                                    | ..                           | 671                 | 83                       | 754     | .. .. .                                     |          |
|                                | Namakal             | ..                         | ..                           | ..                                    | ..                           | 959                 | 118                      | 1,077   | .. .. .                                     |          |
|                                | Trichengode         | ..                         | ..                           | ..                                    | ..                           | 111                 | 14                       | 125     | .. .. .                                     |          |
|                                | Attur               | ..                         | ..                           | ..                                    | ..                           | 1,138               | 140                      | 1,278   | .. .. .                                     |          |
|                                | Shevaroy Hills      | ..                         | ..                           | ..                                    | ..                           | 694                 | 85                       | 779     | .. .. .                                     |          |
| Total                          |                     | 32                         | ..                           | 72.86                                 | 9.91                         | 29,250              | 3,596                    | 32,846  | .. .. .                                     |          |
| South Arcot                    |                     | ..                         | ..                           | ..                                    | ..                           | 856                 | 53                       | 909     | .. .. .                                     |          |
| Grand Total                    |                     | 32                         | ..                           | 72.86                                 | 9.91                         | 30,106              | 3,649                    | 33,755  | .. .. .                                     |          |
| Demarcation.<br>Trichinopoly.  | TRICHINOPOLY PARTY. |                            |                              |                                       |                              |                     |                          |         |                                             |          |
|                                | Arealur             | 54                         | ..                           | ..                                    | 18.12                        | ..                  | ..                       | ..      | .. .. .                                     |          |
|                                | Udiarpoliem         | 190                        | ..                           | ..                                    | 0.60                         | ..                  | ..                       | ..      | .. .. .                                     |          |
| Total                          |                     | 244                        | ..                           | ..                                    | 78.12                        | 1,311               | 1,481                    | 2,792   | .. .. .                                     |          |
| Demarcation.<br>Tinnevely.     |                     |                            |                              |                                       |                              |                     |                          |         |                                             |          |
|                                | Tinnevelly          | 141                        | ..                           | 304.08                                | 286.59                       | 11,153              | 1,371                    | 12,524  | .. .. .                                     |          |
|                                | Tenkasy             | 50                         | ..                           | 148.17                                | 140.86                       | 5,031               | 618                      | 5,649   | .. .. .                                     |          |
|                                | Ambasamudrum        | 46                         | ..                           | 186.52                                | 184.0                        | 5,251               | 646                      | 5,897   | .. .. .                                     |          |
| Total                          |                     | 237                        | ..                           | 638.77                                | 611.45                       | 21,435              | 2,635                    | 24,070  | 37 10 11                                    |          |

STATEMENT showing the extent of DEMARCATION and CLASSIFICATION work, &c.—(Concluded.)

| TALOOKS.                                        | No. of Villages completed. | No. of Villages in progress. | Ayakut or gross area in square miles. | Actual work in square miles. | Cost of field work. | Cost of superintendence. | Total.        | Average cost per square mile on the Ayakut. | Remarks. |
|-------------------------------------------------|----------------------------|------------------------------|---------------------------------------|------------------------------|---------------------|--------------------------|---------------|---------------------------------------------|----------|
| <b>Classification &amp; Asst. Trichinopoly.</b> |                            |                              |                                       |                              |                     |                          |               |                                             |          |
| Conad ...                                       | ...                        | ...                          | ...                                   | ...                          | ...                 | ...                      | ...           | ...                                         |          |
| Vetikotti ...                                   | ...                        | ...                          | ...                                   | ...                          | ...                 | ...                      | ...           | ...                                         |          |
| Lalgudi ...                                     | ...                        | ...                          | ...                                   | ...                          | ...                 | ...                      | ...           | ...                                         |          |
| Museri ...                                      | ...                        | ...                          | ...                                   | ...                          | ...                 | ...                      | ...           | ...                                         |          |
| Manapara ...                                    | ...                        | ...                          | ...                                   | ...                          | ...                 | ...                      | ...           | ...                                         |          |
| Arealore ...                                    | 54                         | ...                          | ...                                   | 13.59                        | ...                 | ...                      | ...           | ...                                         |          |
| Udiarpoliem ...                                 | 190                        | ...                          | ...                                   | 45.0                         | ...                 | ...                      | ...           | ...                                         |          |
| <b>Total ...</b>                                | <b>244</b>                 | <b>...</b>                   | <b>...</b>                            | <b>58.59</b>                 | <b>30,071</b>       | <b>2,377</b>             | <b>32,448</b> | <b>...</b>                                  |          |
| <b>Demarcation.</b>                             |                            |                              |                                       |                              |                     |                          |               |                                             |          |
| <b>Coimbatore Party.</b>                        |                            |                              |                                       |                              |                     |                          |               |                                             |          |
| Coimbatore ...                                  | 156                        | ...                          | 231.23                                | 279.28                       | 12,171              | 4,504                    | 16,675        | ...                                         |          |
| Palladam ...                                    | 179                        | 15                           | 757.71                                | 741.25                       | 14,891              | 5,510                    | 20,401        | ...                                         |          |
| Sattiyamangalum... ..                           | 6                          | 18                           | 95.93                                 | 44.46                        | 1,265               | 468                      | 1,733         | ...                                         |          |
| <b>Total ...</b>                                | <b>341</b>                 | <b>33</b>                    | <b>1,084.87</b>                       | <b>1,064.99</b>              | <b>28,327</b>       | <b>10,482</b>            | <b>38,809</b> | <b>86 0 11</b>                              |          |
| <b>Wynad</b> ...                                | <b>2</b>                   | <b>1</b>                     | <b>73.40</b>                          | <b>73.40</b>                 | <b>5,690</b>        | <b>2,105</b>             | <b>7,795</b>  | <b>106 3 2</b>                              |          |
|                                                 |                            |                              | Cost of Boundary pillars.             |                              | 2,512               | ...                      | 2,512         | ...                                         |          |
| <b>Grand Total ...</b>                          | <b>343</b>                 | <b>34</b>                    | <b>1,158.27</b>                       | <b>1,138.39</b>              | <b>36,529</b>       | <b>12,587</b>            | <b>49,116</b> | <b>...</b>                                  |          |

MADRAS,  
31st March 1863.

(Signed) R. E. MASTER,  
Offg. Dir. of Rev. Settlement.

ENCLOSURE No. 2.  
APPENDIX B.

STATEMENT showing the number and description of Boundary marks put up by the several SETTLEMENT PARTIES, for the year 1862.

| Items.                                                                | Nellore. | Kistna. | Kurnool. | Salem. | Tinnevely. | Coimbatore. | Total.   |
|-----------------------------------------------------------------------|----------|---------|----------|--------|------------|-------------|----------|
| <b>Village Boundaries.</b>                                            |          |         |          |        |            |             |          |
| Villages ...                                                          | 337      | 196     | 261      | 552    | 202        | 261         | 1,809    |
| Khandams or Sub-divisions ...                                         | 2,644    | 2,120   | 4,096    | 20     | 490        | 682         | 10,052   |
| Trijunction pillars ...                                               | 772      | 338     | 481      | 1,586  | 710        | 844         | 4,731    |
| Secondary do. ...                                                     | 1,758    | 3,513   | 6,130    | 4,441  | 1,229      | 6,391       | 23,462   |
| Other marks on Village boundaries ...                                 | 17,600   | 3,858   | 8,133    | 11,396 | 11,937     | 12,332      | 65,256   |
| Marks on Khandams ...                                                 | 43,203   | 10,014  | 17,874   | 276    | 5,405      | 5,037       | 81,809   |
| <b>Field Boundaries.</b>                                              |          |         |          |        |            |             |          |
| Number of Villages ...                                                | 228      | 187     | 294      | 21     | 237        | 341         | 1,308    |
| Villages divided into {<br>Number of Villages ...<br>Do. of Khandams. | 235      | 184     | 294      | .....  | 139        | 197         | 1,049    |
| Number of fields marked.                                              | 2,646    | 2,345   | 3,756    | .....  | 815        | 1,354       | 10,916   |
|                                                                       | 91,075   | 86,545  | 1,57,175 | 751    | 1,15,011   | 89,270      | 5,39,827 |

MADRAS,  
31st March 1863.

(Signed) R. E. MASTER,  
Offg. Dir. of Rev. Settlement.

ENCLOSURE No. 3.

REPORT ON SURVEY OPERATIONS DURING 1862.

Madras. Kistna.  
Salem. Coimbatore.  
Shervaroy Hills. Nellore.  
Godavery. Trichinopoly.  
Kurnool. Malabar (Wynad).

1. During the past year Survey operations have been carried on in the localities named in the margin. The first eight mentioned are those which form part of the scheme of the general Revenue Survey of the Presidency. To Trichinopoly it was found necessary to detach men to measure the large amount of land brought under cultivation since the close of the original Revenue Survey. In Wynad the remaining Coffee estates and lands belonging to Government were taken in hand.

2. *Madras Town Survey, Black Town Division.*—I have to report the termination of the Survey of this Division under Mr. Revenue Surveyor Plumbe. With the exception of about 200 holdings, which have not yet been arranged in his book by the Registrar, all have been plotted and numbered. The

year's work comprises 2,915 holdings, and 47 streets, and is enclosed in three minor traverses containing 261 Acres.

3. Of the 10,926 holdings within Black Town, only about 2,000 remain for computation and comparison with the Cutcherry accounts. This may be accomplished in about a month early in March.

4. The expenditure for this division is Rupees 3,820-10-0.

5. *Tondivoaid Division.*—This division of Madras was commenced by Acting Revenue Surveyor Mr. Cooke in April 1861, since which date 3,197

holdings, covering an area of 2,782-11 Acres have been measured and entered in the Register, and 3,079 have been plotted. Of the above the past year's work comprises 2,390 holdings, containing 917-6 acres, of which all but a few have been plotted.

6. The Survey of the Division may be terminated in about four months, there being only 500 holdings unmeasured. The chief work now remaining will be performed in office.

7. The expenditure amounts to Rupees 2,612.

8. The completion of the test applied to the Survey of the Divisions, commenced prior to the superintendence being placed in my hands, was reported to the Secretary Revenue Board 26th June 1862, and recorded in Proceedings of Government, 9th September 1862, No. 1,920.

9. *No. 1 Survey Party Salem.*—This party was placed under Mr. W. Beaumont, 1st Assistant Superintendent, on Captain Pratt, Deputy Superintendent Revenue Survey, obtaining leave on sick Certificate to England (19th October 1861), and he has had charge of it since that date.

10. In consequence of the desire of the authorities that Survey records should be promptly handed over to the Settlement 40 Ameens only were employed in the field, and the office establishment in some degree strengthened.

11. Field work was commenced on the 2nd January, and has been carried on in the Talooks enumerated in the margin. The first named was commenced in 1861 and completed in 1862; the next one commenced in 1861 is also completed (except one village); the three following were commenced during the year under report, and are still in progress. In the last mentioned Talooks of Trichinopoly the land lately brought under cultivation has been measured.

12. During the season of 1862 the 40 Ameens have measured as fields an area of 1,119-90 square miles at a cost of Rupees 74,461-2-5\* or Rupees 66-7-9 per square mile.

\* From this sum is excluded Rupees 316-3-2 expended in plotting and correcting minor measurements of 1861.

13. When it is considered that during the first six months not only the demarcation fields but also their Sub-divisions were measured by the Ameens, the out-turn must be pronounced creditable.

14. The Survey of village boundaries has not, I regret to say, kept pace with the field work, and though the ordinary staff of Surveyors was considerably increased, the out-turn has fallen short of the area measured by Ameens. For this the following reasons may be assigned:—

Cause.

1st. The very imperfect demarcation of village boundaries and estates.

2nd. The difficult nature of the country.

15. The existence of the former cause has been repeatedly made known to me, and duly reported to the Director Revenue Settlement. The country under survey during 1862 in the Salem District being rugged jungly, and generally unhealthy, presents formidable obstacles to accurate work; fever in a severe form was more particularly prevalent in the Ootangherry Talook.

Office work.  
Talook maps.

16. Correct field areas of nearly 1,600 square miles have been furnished to the Settlement Department, and of more than that extent of country have been completed. Village Maps have been sent to the Central Office to be lithographed. Two Talook Maps have also been completed.

17. *Shevaroy Hills.*—At the close of January, I was induced by the representations of the Deputy Superintendent to visit the Shevaroy Hills, and finding the demarcation extremely defective, I felt it my duty to report to the Director Revenue Settlement the impossibility of carrying on the survey of lands handed over in the manner they were by the Demarcation Department;

Demarcation defective.

No new surveys undertaken between January and August.

Obstacles.

no new Surveys were therefore commenced after February, in order to permit of a revision of the demarcation. In August operations were resumed, but have been, I regret to say, impeded by the necessity that has been found to exist of verifying the entries in the demarcation sketches. With the concurrence of the Director of Revenue Settlement an arrangement has been made by which this verification is performed by a Survey Officer at the expense of the Demarcation Department. From the causes necessarily been small, viz., Acres 8,646.4 (square miles 13.51). The expenditure amounts to Rupees 2,421-5-0, Rupees 179-3-6 per square mile, and Annas 4, Pice 5 per Acre.

Arrangement to overcome them.

Out-turn  
Expenditure.

Climate unhealthy.

\* Rajahmundry.  
Yernagoodiam.  
Ellore.

Field Work.

Area to be traversed in excess of that measured by Ameens.

Surveyor, and the transfer of Mr. Wright, 1st Assistant Superintendent, to the charge of No. 3 party in February, also contributed to delay the professional Survey.

21. The total area surveyed during the year is 572.44 square miles, and the expenditure Rupees 61,170-2-11, or Rupees 106-13-7 per square mile.

Out-turn.  
Expenditure.

\* 796.1 exactly.

22. The correct field areas of 800\* square miles have been furnished the Settlement Department. Village Maps representing 580 square miles, and the Talook Maps of Nursapur, Tanuku and Undi have been forwarded to the Central Office.

23. Major Crewe, reports that work was carried on during 1862 under generally unfavorable circumstances, viz., in the field; the non-clearance of boundaries, and the prevalence of fever in the Talooks under survey. To this also may be added the inconvenience and some delay caused by three long unsettled boundary disputes. In Office, the discharge in February for want of funds of a temporary establishment by which the services of many valuable men were lost, and would not return to the party when under orders for Kurnool.

DETACHMENT TO KURNOL.

5 Head Surveyors.  
3 Deputy do.  
25 Ameens.  
31 Gumasthas.  
5 Computers.  
9 Draughtsmen.  
2 Peons.  
80 Total

24. To Kurnool by the order of the Superintendent two detachments were despatched, the first in May, and the second in July, the aggregate strength of which was 80 men of all ranks.

25. In looking at the cost per mile of the year's work in the Godavery District, it must be remembered that a certain portion of the expenditure should be charged to Kurnool for superintendence, the detachment of No. 2 working there having been under the orders of the Deputy Superintendent of the party.

26. *No. 2 Survey party, Kurnool.*—In communication with the Director Revenue Settlement, it was arranged that No. 2 Survey Party should be gradually transferred from the Godavery to Kurnool as work was completed in the former District, and an Assistant Superintendent, Lieutenant Pavy, was sent there from Guntoor in March to examine and report on the demarcation, to engage any competent persons met with, and to make all necessary preparations for field work.

Field work.

Out-turn.

Expenditure.

Government in their Order 30th May, having directed that immediate steps should be taken for the prosecution of the survey, work was commenced in the Ramulkotta Talook in June on the arrival of a detachment from the Godavery District.

27. The total extent surveyed is 442.09 square miles, the expenditure Rupees 10,847-9-1, or Rupees 44-14-3 per square mile.

Instructions have been issued to the Officer in charge to direct his attention in the first instance towards the completion of the Survey of those villages containing land likely to come under the influence of the work of the Irrigation Company.

Land to be irrigated first taken in hand.

28. Lieutenant Pavy was compelled by illness caused by exposure to obtain emergent sick leave, and has proceeded to England for the restoration of his health. As a temporary measure Head Surveyor Fraser was appointed an Acting Sub-Assistant, and placed in charge till relieved by Mr. J. Wright, Acting Deputy Superintendent, from Guntoor.

Officers in charge of the party.

29. With very trifling exceptions the demarcation has been found effective. The time passed on the journey from Rajahmundry by the men destined for Kurnool has been the chief drawback. The large establishments and liberal pay given by the Irrigation

Demarcation good.

Company create a difficulty in procuring and retaining the services of those men of the Department in receipt of small salaries more especially measurers;

Difficulties encountered.

this and the attacks of illness, from which many have been sufferers, are the minor difficulties met with.

30. Taking the work of No. 2 party as a whole it stands thus:—Out-turn square miles 1,014.53, cost Rupees 81,017-12-0, or Rupees 79-13-9 per mile, a rate, which though it exceeds that of the other parties may still be deemed satisfactory, all drawbacks considered.

Out-turn.

Expenditure.

31. No. 3 Survey party, Kistna.—On the departure of Captain Pratt on sick leave, his Senior Assistant Mr. Dunsford, was placed in temporary charge, and relieved by Captain Hessey on 17th October 1861. Captain Hessey's health having also failed, he was compelled

to return to England to regain it, and was re-placed on the 3rd March by Mr. Wright, 1st Assistant Superintendent, who remained in charge till the 24th November 1862, when his services being required at Kurnool he was transferred to that station, and Major Crewe took his place as Deputy Superintendent of No. 3, having in addition the supervision of the closing operations in the Godavery District.

32. Field measurement in the Kistna District commenced on the 4th January in the Guntoor Talook, of which a portion had been measured the previous season, and proceeded during the year to the other Talooks named in the margin. On the completion of the last named in November field work was suspended for the recess. The Surveyors were also employed in the Nundigama and Krosur Talooks.

Field works.

Guntoor.  
Rapalli.  
Dachipulli, Division of Palnad.

Nundigama and Krosur.

Out-turn.

Expenditure.

33. The approximate out-turn of this party is 1,174.09 square miles, the expenditure Rupees 78,825-9-4, or Rupees 67-2-0 per square mile.

34. Field areas of 126 square miles were supplied to the Settlement Department, and village Maps representing 274 square miles have been received in the Central Office. No Talook Maps have as yet been completed by this party.

35. The small amount of work exhibited under these heads is due, first, to a re-examination of the records of the Gudivada and Bander Talooks handed over to the Settlement Department having been found requisite, numerous errors having been detected in them; second, the omission on the part of the Officer in charge at the time of Survey to complete the topographical details of the same two Talooks. Operations to repair this neglect, however, have been for some time in progress.

Cause.

36. The demarcation in this District has been found as complete as could be expected.

Demarcation good.  
Season favorable.

The season has on the whole been favorable, but in the Palnad the Sub-Assistant, two Surveyors, and several Ameens have been prostrated by jungle fever from the effects of which they are still suffering.

37. No. 4. Survey party, Coimbatore.—From the 1st January to the 15th April a small detachment of this party, consisting of 14 Ameens and other ranks in proportion under an Assistant Superintendent (Lieutenant Wynch), was alone employed in Coimbatore, the remainder being engaged in Wynad.

Only a small detachment at first employed.

Date of head quarters return.

38. - On the latter date the head quarters under Captain Barber with his Assistants, Lieutenant Shortt and Mr. Gordon, returned to Coimbatore where they have since remained.

Out-turn.  
Coimbatore.  
Palnadum.  
Expenditure.

39. The extent of country surveyed in the two Talooks on which they were employed is square miles 570.48, at a cost of Rupees 38,233-3-8, or Rupees 67-0-3 per square mile.

40. To this must be added the sum of Rupees 2,116-9-3, expended on completing the records of the Razeput Talook in the office of No. 1 party. As explained in last year's Report credit was taken in 1860 by the Officer then in charge of No. 4 for the whole Talook, the area of which cannot therefore be again admitted in the return of work. The addition of this sum raises the amount debited to No. 4 to Rupees 40,349-12-11, and the cost per mile to Rupees 70-11-10.

Additional charge for records of Razeput, surveyed in 1860.

Cost per mile.

Field establishment not supplied with work, and not raised to full strength.

41. It was not even found possible to keep at work the field establishment though far under the sanctioned scale, still less to raise it to the full strength as had been intended. In order therefore to make use of some men, whose services it was undesirable to lose, they were temporarily transferred to No. 1. party for employment in the Udiarpolliem Talook, of Trichinopoly where they were working at the close of the year.

Defective demarcation.

42. The very defective demarcation and the short supply of work to the Survey has been duly reported to the Director Revenue Settlement. All circumstances considered the out-turn, though small, has been effected at a rate lower than might have been expected.

Working season.

43. Wynad.—The working season of 1862 in Wynad was of three and a half months' duration and ended on the 15th April, by which date attacks of fever had become frequent.

Out-turn.  
Expenditure.  
Cost enhanced by bad demarcation.

44. The extent of country surveyed was 42.34 square miles, and the expenditure 17,725-8-5, or Rupees 418-10-1 per square mile. Captain Barber reports that the out-turn has been much diminished, and the cost consequently enhanced by bad demarcation.

Office work.

45. The Maps of the year's work have been completed and lodged in the Central Office, and the information required by the Settlement Department furnished to it.

Nellore.  
Atmakur.

Rapur.  
Goodoor.

Field work.

46. No. 5. Survey party, Nellore.—In the Nellore District, four\* Talooks have been under Survey. Nellore was completed early in the year. Atmakur and Rapoor subsequently (the former with the exception of one village, the latter except three) Goodoor was commenced late in the season.

Out-turn.

47. One hundred and thirty-five Villages containing 966 square miles have been completed during the year by Ameens, and boundary Surveys to a still larger extent have been made by the Surveyors. The work of computation, and the preparation of Maps has also made good progress considering the inexperience of the greater part of the men employed.

Office work.

Demarcation in Nellore Talook not durable.

48. The Nellore Talook not having been demarcated with stone, a great many of the marks have disappeared, and hence Mr. Puckle reports much difficulty in making corrections. The non-clearance of boundary

Boundary demarcation insufficient in Atmakoor Talook, but fields well marked.

The fields, however, were marked with stone, and in general well defined. To Rapoor the same remarks regarding boundary and field demarcation apply except, that every exertion has been made to correct it; this operation, however, has caused considerable delay to the Survey.

Season favorable.

49. The season has on the whole been favorable to Survey operations.

Expenditure.

50. The expenditure for the year has been Rupees 61,558-11-10. This on 966-71 square miles gives Rupees 63-7-6 as the cost per mile.

Out-turn during the year.  
Cost.

| Rs.   | A. | P. |               |
|-------|----|----|---------------|
| 8,268 | 9  | 5  | Village Maps. |
| 523   | 12 | 7  | Talook do.    |
| 8,792 | 6  | 0  | Total.        |
| 9,012 | 0  | 0  | Sanction.     |
| 219   | 10 | 0  | Unexpended.   |

Proceedings Madras Government, dated 23rd March 1862, No. 563.

|                | 1860.         | 1861.         | 1862.         |
|----------------|---------------|---------------|---------------|
| On-turn.       | Square miles. | Square miles. | Square miles. |
| Square miles.  | 1,191-4       | 2,659.        |               |
| Cost per mile. | Rs. 6-3-9.    | Rs. 3-1-9.    |               |
|                | Rs. 12-9-7.   |               |               |

Specimen Maps.

it will be observed that the desire of Government to have the village boundaries distinctly defined has been carried out. It is almost feared that an error in the opposite extreme has been committed, as the dotted lines marking the boundary of villages are now so strong as almost to disfigure the Map.

Employment.  
Perambaloor. Museri.  
Narsapur. Trichinopoly.  
Tanuku.

Expenditure.

57. The expenditure including the Military pay and Civil salary of the Superintendent, the purchase of Instruments, and all contingent charges is Rupees 29,364-6-11. This sum distributed over the total number of square miles (4,901-56) surveyed during the year comes to Rupees 5-15-10 per mile.

General Review.

58. The extent of country surveyed in the Ryotwary Districts amounts to 4,845-71 square miles, and the general average rate rather less than Rupees 69 per mile; to this Rupees 6 per mile being added as the share of Central Office and Instruments, &c. it is raised 75-3 per mile.

Out-turn less than estimated.

Cause.

Cost per mile less than expected.

That the average cost in Ryotwary Districts has been nearly Rupees 8 per mile less than the estimate is satisfactory. Even including the Surveys on the Shevaroy Hills and Wynad Rupees 78 per mile is the amount reached, or Rupees 5 less than anticipated.

Test of Survey operations by comparison with Great Trigonometrical Survey.

Maximum error.

Nellore four Great Trigonometrical Survey stations have been connected with the Revenue Survey, the maximum error being 8 feet, and the minimum 3-98 per mile.

Minimum error.

Coimbatore computations not yet available.

up to, but the main circuit not having been completed the computation of distances from station to station by the Revenue Survey records has not yet been sent to the Central Office for examination and comparison. Three points have been joined to the Revenue Survey in Guntoor, but their true sites have evidently not been found, the discrepancy in each case amounting to several thousand feet. A fresh search has been ordered and an exact description of the stations furnished to the Officer in charge. In Kurnool operations have not sufficiently advanced to permit of the test being applied.

In Guntoor G. T. Survey stations not identified.

Survey not sufficiently advanced in Kurnool for test to be applied.

Working of Act XXVIII of 1860.

62. The cases taken cognizance of under Act XXVIII of 1860 in all number 260, but in most instances fines to a small amount were inflicted. Those above 10 Rupees only number 24, viz., 20 in the Salem, one in the Coimbatore, and three in the Nellore Districts. The highest fine levied amounts to Rupees 20.

Error in Talook accounts.

latter in the old Guntoor Districts. A statement of general approximate error accompanies.

64. The exposure necessitated by the nature of the Survey duties has apparently been the cause of no less than three out of sixteen Officers of the Department being absent on Medical Certificate in England at the close of 1862. One (Captain Pratt, not finding his health sufficiently restored at the termination of his leave) has resigned his appointment.

65. I have received as heretofore the zealous assistance and support of the Officers in charge of District establishments, and have great pleasure in making favorable mention of the exertions of the following Officers and subordinates: Lieutenant Shortt, Mr. Cardozo, Lieutenant Pavy, Mr. Stans (my Office Assistant), Mr. Frazer (who acted as Sub-Assistant), Mr. Vittul Rao Manager of the Office of No. 1 Party. Of one Assistant Superintendent I regret to say an unfavorable report has been received.

\* The expenditure in Column 7 is calculated on the items of the original Estimate.  
 + Of the 3,971-10-6, only Rupees 193-9-10 were disbursed in 1869 for the purchase  
 † Value of Instruments in store (Rupees 204-14-2, cost of Instruments purchased in

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

ENCLOSURE 2 in No. 3.

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

ENCLOSURE 3 in No. 3.

ENCLOSURE 3 in No. 3.

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

ENCLOSURE 4 in No. 3.

ENCLOSURE 4 in No. 3.

(Signed) F. J. B. PRIESTLEY, Major,  
Superintendent Revenue Surveys

(Signed) F. J. B. PRIESTLEY, Major,  
Superintendent Revenue Surveys

1. Ordered that the above letter be submitted for the information of Government.
2. The Board will briefly notice the state of the operations of the Departments, and their results in the year 1862 under report.

3. SETTLEMENT DEPARTMENT, SOUTH ARCOT.—The revised assessment of the present Chedumbrum Talook of South Arcot (comprising the old Talooks of Chidumbrum and Manargudi) was in actual operation in the past Fasli 1271 (A. D. 1861-62). The aggregate amount of the Settlement for the year was Rupees 14,563 below the demand of the previous Fasli 1270.

It will be remembered that the decrease calculated by Mr. Newill to result in comparison with the Settlement of Fasli 1266 (a very favorable year), after deducting the temporary and ordinary remissions, was Rupees 93,358, so that by far the larger portion of the estimated loss has already been recovered, and Mr. Master anticipates that it will have altogether disappeared in Fasli 1272.

5. The amount with which Mr. Newell instituted a comparison was Rupees 5,11,394, without deducting the remissions, amounting to Rupees 86,341, exclusive of the Road Fund assignment. The Settlement for Fasli 1271 was Rupees 5,08,015, including the demand for the Road Fund, as the Board understand.

6. **GODAVEY DISTRICT.**—The new assessment has been completely introduced in the Western Delta of the Godavery District; and the *full* assessment on the area under occupation, after considerable relinquishments of land, is about Rupees 72,000 in excess of the Joint Rents for Fasli 1271.

7. As however the full assessment is to be only gradually imposed, the actual result of the Settlement for the year is about Rupees 21,000 below those rents. Up to the end of the year 1862, land assessed at Rupees 66,864 had been newly taken up; and numerous applications have been received for waste land to be occupied from the next ensuing Fasil.

8. The foregoing constitute the actual results obtained by the application of the revised assessment to the Survey areas as finally corrected. In the remaining Districts the operations are still more or less incomplete.

9. WYNAD.—Mr. Master refers to the orders of Government for the assessment of the Wynad dated 26th March 1862, No. 660, Revenue Department, as leaving the Rice land assessment untouched, and fixing that on the Dry lands at Rupees 2 per Acre. The Board, however, observe that a modification of the rate for Dry lands of inferior quality was proposed by the Collector in his letters dated 6th December 1862, and 1st May 1863, and was recommended to Government by the Board in their Proceedings dated 16th December 1862, No. 8,205, 13th May 1863, No. 2,876, these papers are still before Government. Copy of these papers will be furnished to Mr. Master for his information.

10. TRICHINOPOLY.—The modified proposals for the Trichinopoly assessment are now before Government.

11. KISTNA DISTRICT.—Those in modification of the proposals for the assessment of the Masulipatam portion of the Kistna District already submitted to Government are now under the Board's consideration.

12. **GODAVERY DISTRICT.**—The *original* proposals for the assessment of the Eastern Delta and upland Talooks of the Godavery District have been for some time before the Board, but in view of the results in other Districts of applying the tentative rates to the corrected Survey areas, the Board will defer the submission of the papers to Government, until they have received from Mr. Master a further report on this part of the operations.

13. In the remaining Districts to which the operations of the Department may extend, the submission of the proposals for the assessment will be deferred until the Settlement Officers are in possession of the accurate areas to be assessed, which course has been approved by Government.

14. The other Districts in which operations were being carried on in the year under report are the Kistna District, Salem, the Wynad portion of Malabar (so far as Demarcation and Survey of Government lands is concerned), Nellore, Coimbatore, and Kurnool.

15. The Abstract Statement in paragraph 8 of Mr. Master's letter shows in brief the work done and its cost.

16. The total work and cost are shown below in comparison with 1861:—

| <i>Demarcation.</i>                   |             |
|---------------------------------------|-------------|
| 1861.                                 |             |
| Total extent.                         | Total cost. |
| Sq. Miles.                            | Rs.         |
| 7,934                                 | 2,20,292    |
| 1862.                                 |             |
| Sq. Miles.                            | Rs.         |
| 6,846                                 | 2,17,466    |
| <i>Classification and Assessment.</i> |             |
| 1861.                                 |             |
| Sq. Miles.                            | Rs.         |
| 4,329                                 | 1,02,235    |
| 1862.                                 |             |
| Sq. Miles.                            | Rs.         |
| 2,870                                 | 1,35,869    |

17. The average on the total is not calculated, as the inclusion of the cost of the assessing operations necessarily enhances the charge, while it cannot be distributed on the area with any useful result, until the whole work is complete in a District.

18. In the Godavery District the introduction of the Settlement into the Western Delta was in progress partly under Mr. Master's direct supervision, and subsequently on his assuming charge of the Director's Office by a subordinate under his immediate orders.

19. Some demarcation work was performed, and much progress was made with the Registers in English and Vernacular for the whole District.

20. In Nellore good progress was made in the Demarcation, and field work is there still going on. The out-turn from causes stated was somewhat less than in the previous year. The cost of Demarcation per square mile, including the proportion of the head quarters Office charges, rose from Rupees 21-11-0 to Rupees 22-15-4, the reduced strength of the party, and the appointment of a Probationary Assistant accounting for the increase.

21. In the Kistna District the out-turn of field work was less than in the previous year, owing to the completion of this portion of the operations. The preparation of Field Registers, and the checking of classification were also carried on.

22. The average cost of Demarcation and Classification for the year was Rupees 50-0-8, as against Rupees 43-0-7 in the previous year, which excess is accounted for by the charge for the whole year being distributed over seven months' field work. The value of the Office work in the other five months is of course really included in it.

23. In Kurnool special efforts were made to secure despatch in connection with the operations of the Irrigation Company, and with much success.

24. An area of 1,777 square miles was demarcated, and 1,213 square miles classified at an aggregate cost of Rupees 42-1-7 for both operations.

25. In this District the excess of the survey areas of cultivated or occupied land over the Curnums' returns is only 5 per cent. while in the Kistna District an excess of 18 per cent. was found. The area from which this result in Kurnool was obtained is as yet a very limited one.

26. In Salem the original field work was completed in January 1862, but the greater part of the Establishment was employed for a considerable portion of the year in correcting defects in former work, and in revising and closing the Classification. The very defective character of the Demarcation on the Shevaroy's has already come under the notice of Government. This is now in course of correction.

27. In Trichinopoly the registration was completed (except in Woodiarpoliem where the Survey is still in progress) so far as is possible in anticipation of the Government decision on the rates.

|     | P.     | R.S. | Share of<br>Central Office |
|-----|--------|------|----------------------------|
| 7   | 4,255  | 5    |                            |
| 2   | 2,127  |      |                            |
| 11  | 2,127  |      |                            |
| 5   | 4,255  |      |                            |
| 5   | 2,836  |      |                            |
| 6   | 4,255  |      |                            |
| 6   | 19,856 |      |                            |
| 4   | 1,418  |      |                            |
| 6   | ...    |      |                            |
| ... | ...    |      |                            |
| ... | ...    |      |                            |
| 7   | 21,275 |      |                            |

28. The charge on this account has been Rupees 4-12-4 per square mile.
29. In Tinnevely work was commenced, and good progress made, considering the difficulties always experienced at starting in a new field. The character of the work is unusually good. It was estimated that by the end of May 1863 five irrigated Talooks, containing an area of 1,716 square miles, would be ready for Survey.
30. In Coimbatore the quantity of work performed and its cost showed a marked improvement over the preceding year; but the quality was still unsatisfactory. This party has labored under great disadvantages from the first, owing to the uncertainty that has attended its operations, and which has greatly enhanced the expense of the work.
31. In Wynad the work is peculiar, and the operations were in suspense from March to December. It is now again in progress.
32. The whole cost of the Settlement operations for the year was Rupees 3,60,338, being Rupees 37,811 in excess of the previous year, but Rupees 1,41,721 less than the estimate for 1862.
33. The specimen Registers, submitted by Mr. Master, are very satisfactory, and the cost of binding them and mounting the maps is exceedingly small. The Board fully approve of the system of contract adopted by Mr. Master.
34. His remarks on the conduct of his subordinates will be brought to the special notice of Government.
35. The Board have themselves had occasion to remark the intelligent and earnest interest in their work manifested by Messrs. Puckle and Morris.
36. **SURVEY DEPARTMENT.**—The Survey operations were carried on in 1862, in the Districts noted below:—
- |                                     |                |
|-------------------------------------|----------------|
| Madras Town. ....                   | Special party. |
| Salem                               |                |
| Including Shervaroy Hills. } ... .. | Party No. 1.   |
| Trichinopoly. } ... ..              |                |
| Godavery. } ... ..                  | Party No. 2.   |
| Kurnool. } ... ..                   |                |
| Kistna ... ..                       | Party No. 3.   |
| Wynad. } ... ..                     | Party No. 4.   |
| Coimbatore. } ... ..                |                |
| Nellore ... ..                      | Party No. 5.   |
37. The work in the Presidency Town is altogether exceptional in its character.
38. The Survey work of the Black Town division was completed, and the final computation was estimated to be finished in March 1863.
39. The Survey of the Tondiwad division would, it was expected, be completed in June 1863.
40. In the Districts Survey Party No. 1, under Mr. W. Beaumont measured *as fields* an area of 1,120 square miles in Trichinopoly and Salem Districts, at a cost of Rupees 66-7-9 per square mile, and 13½ square mile on the Shervaroys at the rate of Rupees 179-3-6 per square mile, or Annas 4½ per Acre.
41. Correct fields areas for 1,600 square miles were furnished to the Settlement Department, and progress was made with the Village and Talook Maps,
42. The party suffered much from sickness.
43. The Board concur with Major Priestley in thinking the out-turn of work on the whole creditable and satisfactory.
44. The loss of time and heavy expenditure on the Shervaroys was caused by the imperfect and incorrect demarcation which has already been noticed.
45. Party No. 2 was employed under Major Crewe and Lieutenant Pavy in the Godavery and Kurnool Districts.
46. The field work in the former District was completed or nearly so.

47. An area of 572½ square miles was surveyed at an average cost of Rupees 106-13-7 per square mile. Field areas to the extent of 800 square miles were furnished to the Settlement Department.
48. Village Maps representing an area of 580 square miles, and the maps of three Talooks were forwarded to the Central Office to be lithographed.
49. The detachments in Kurnool commenced field work in June and surveyed within the year 442 square miles at an average cost of Rupees 44-14-3 per square mile.
50. The whole field work of this Party No. 2, was an out-turn of 1,014½ square miles, at an average cost of Rupees 79-13-9 per mile, which, considering the drawbacks to which it was exposed, may be considered good.
51. The Party No. 3, was employed in the Kistna District under Captain Hessey, Mr. Wright, and Major Crewe. The out-turn of field work was 1,174 square miles, at an average cost of Rupees 67-2-0 per mile. The party suffered in health.
52. Field areas to the extent of 126 square miles were supplied to the Settlement Department, and village maps representing 274 square miles were sent to the Central Office.
53. Party No. 4, under Captain Barber and Lieutenant Wynch was employed in Coimbatore and the Wynad.
54. In the former District 570½ square miles were surveyed at a cost as adjusted of Rupees 70-11-10 per mile, and in the Wynad 42½ square miles were completed at a cost of Rupees 418-10-1 per mile.
55. The maps of the year's work were completed and sent to the Central Office.
56. In Nellore Party No. 5 under Mr. Puckle of the Survey Department completed the field survey of 966 square miles, to which must be added a considerable extent of boundary surveys. The average cost per mile was Rupees 63-7-6.
57. The demarcation except on the Shervaroys, in Coimbatore, in the Wynad, and in part of Nellore, appears to have satisfied the Survey Department.
58. The Lithographic Press turned out 41,312 copies of 1,291 Village Maps, comprizing an area of 2,659 square miles at a cost of Rupees 3-1-9 per mile, in addition to two Talook Maps, of which specimens are submitted.
59. The improvement in the rate of progress and cost as shown below is very creditable:—
- |                         | 1860.      | 1861.      | 1862.     |
|-------------------------|------------|------------|-----------|
| Area mapped.....        | M 487-7    | M. 1,191-4 | M. 2,659  |
| Cost per square mile... | Rs. 12 9 7 | Rs. 6 3 9  | Rs. 3 1 9 |
60. The Board consider the execution of the Talooks Maps very creditable, but they concur with Mr. Master in thinking the elaboration of the titles excessive, and it appears to them that the delineation of fields is far too minute and marked; such minuteness constitutes a positive evil when carried to the present extent. The names of villages and the details of irrigation works are greatly obscured by this net work of minute lines, the drawing of which must involve much labor and expense of time, while the object in view is equally attained by the coloring.
61. The general results in the Survey Department may here be summed up.
62. The total cost of the Central Office was Rupees 29,364, being at the rate of Rupees 5-15-10 on the whole areas surveyed, viz., 4,901½ square miles.
63. In Ryotwary Districts 4,845 square miles were surveyed at an average cost of Rupees 69 per mile, or of Rupees 75 per mile, inclusive of the share of the Central Office charge.
64. The estimate of work and cost for the year had been 6,000 square miles, and Rupees 83 per mile. Circumstances have diminished the out-turn, but even including the exceptional cost of the Shervaroy and Wynad Survey, the average cost is only Rupees 78 per mile, or Rupees 5 per mile below the estimate. The result of connecting the Revenue Survey work with the Trigonometrical Survey is that in Salem District out of 12 stations the maximum error per mile is feet 18-69, and the minimum feet 2-26. In Nellore four stations have been connected showing a maximum error of 8 feet, and a minimum of feet 3-93 per mile. The Board consider that this result is highly creditable to the Department.

demarcation

65. The error in the District accounts of areas detected by Survey ranges from a deficiency of 63 per cent. in the Godavary District, to an excess of 24 per cent. found in the Kistna. The average error is a deficiency as shown below :—

|          |     |     |     |     |             |
|----------|-----|-----|-----|-----|-------------|
| Salem    | ... | ... | ... | ... | 8 per cent. |
| Godavery | ... | ... | ... | ... | 37 "        |
| Kurnool  | ... | ... | ... | ... | 13 "        |
| Kistna   | ... | ... | ... | ... | 4 "         |
| Nellore  | ... | ... | ... | ... | 14 "        |

66. It must be borne in mind that these are the errors detected by comparing the recorded extent of *whole villages*, or even tracts *larger than villages* with the Survey areas of the same, while the error recorded by the Settlement Department is in the areas of *cultivated or occupied land only*.

67. Major Priestley's testimony to the zealous and efficient services of his Assistants and subordinates generally is very satisfactory.

68. The Board regret to observe that these services have been purchased at a considerable sacrifice of health in many instances.

69. In concluding their remarks the Board desire to renew their acknowledgments of the zealous and valuable service for which the State is indebted to Mr. Master and Major Priestley in their respective capacities.

No. 4. ORDER THEREON, 1st September 1863, No. 1,601.

1. With these Proceedings the Board of Revenue submit the Reports of the Officiating Director of Revenue Settlement and the Superintendent of Revenue Survey on the progress of work in their respective Departments in 1862. The Government will first notice the work accomplished by the Settlement Department.

2. In the Godavery District little work had to be done during the year. A small party of Demarcators was retained, in consequence of the Survey being still in progress, to correct or restore the previous demarcation, and other similar work. The Office Establishment was engaged in preparing village Registers, in English and the Vernacular. The total expenditure was Rupees 564 under the head of Demarcation, and Rupees 12,433 under that of Classification and Assessment.

3. In Nellore the area demarcated was 1,730 square miles, or square miles 1,559 less than in the previous year. This decrease was owing partly to the transfer of a portion of the Establishment to Kurnool, where it was of great importance to expedite operations, and partly to the employment of a part of the Establishment in correcting demarcation, clearing lines through the jungle, and marking Theodolite stations for the Survey, which latter duty had been left unperformed, because it had devolved on the Survey Department in the Godavery District. The Government do not understand, nor is it explained, why this omission was not sooner discovered and rectified. It is also stated that a considerable part of the country demarcated in 1862 consisted of jungle, the clearing of lines through which occupied much time, but this the Government would have supposed, would have been counterbalanced by the smaller number of fields to be marked out. The total expenditure was Rupees 39,713, or at the rate of nearly 23 Rupees per mile against 21½ in the previous year.

4. In the Kistna District 1,446 square miles were demarcated and 1,496 classified, at an average cost of 24½ for the former and 25½ for the latter operation. In the previous year the charge was 22 for the former and 25½ for the latter. The increase in demarcation is owing to the party having been employed on field work for only seven months, the remainder of the year

5. In Kurnool the work has been pushed on with rapidity. The demarcation extended over 1,777 miles at a cost of Rupees 25-13-3 per square mile, and 1,213 square miles were classi-

|  | P.  | RS.    | A.  | Share of<br>Central Office |
|--|-----|--------|-----|----------------------------|
|  | 7   | 4,255  | 0   | 5                          |
|  | 2   | 2,127  | 8   |                            |
|  | 11  | 2,127  | 8   |                            |
|  | 5   | 4,255  | 0   |                            |
|  | 5   | 2,836  | 10  |                            |
|  | 6   | 4,255  | 0   |                            |
|  | 6   | 19,856 | 11  |                            |
|  | 4   | 1,418  | 5   |                            |
|  | 6   | ...    | ... |                            |
|  | ... | ...    | ... |                            |
|  | 7   | 21,275 | 0   |                            |

ried at a cost of Rupees 15-5-6 per mile. The field Establishments worked throughout the year without any recess.

6. In Salem the field work had been nearly completed at the end of 1861. The demarcation in this District appears to have been particularly defective, and the greater portion of the expenditure incurred seems to have been owing to this cause. Mr. Thomas, the Deputy Director in charge, is absent in England and cannot at present be called to account, but his subordinates must be held responsible for their share of this waste of time and money. They must, the Government presume, have known how to demarcate properly, and though the Deputy is responsible in the first instance, his subordinates cannot be allowed to escape. Mr. Master will report the names of the parties and the degree in which they should be held answerable. Not only has there been a large expenditure, owing to their misconduct; in the Settlement Department, but the survey charge on the Shevaroy hills, from the same cause aggregated nearly Rupees 180 per square mile.

7. In Trichinopoly a fresh tract of 50,000 Acres was demarcated and classified to meet increase in cultivation, Rupees 8,100 were spent in preparing Registers, &c. The scheme of settlement for this District is now under the consideration of Government.

8. In Tinnevely demarcation only is in progress, and 638 square miles have been finished at a cost of nearly 33 Rupees per square mile. The outturn is smaller and the cost higher than the standard, but the party was not made up to its full strength till September. The work is now progressing well.

9. In Coimbatore the work, though better than last year, is still under the mark; 1,035 square miles were demarcated at a cost of 36 Rupees per mile, whereas last year the cost was Rupees 90. The demarcation, however, is reported inferior owing, in Mr. Master's opinion, "to want of energetic supervision as well as to the inferiority of the subordinate agency available." The Government request the names of the officers to whose neglect of duty this result is owing and what punishment has been inflicted on them. Demarcation is extremely simple in its character, and the only way to put an effectual stop to these frequent complaints of defective demarcation is to dispense with the services of those who perform it. As matters stand Government are paying officers for doing their work badly, pay others to correct that bad work, and incur further expense when the survey takes up that work, besides losing valuable time.

10. In Wynad a very small party was employed to bring operations to a close.

11. The total expenditure of the year was Rupees 3,65,969 or Rupees 40,000 beyond that of 1861. Owing to the inclusion of assessment charges a comparison of work and expense cannot be fairly made, but in the Districts where this can be done, the expense per mile is in three instances (Kurnool, Coimbatore and Wynad) considerably less than in 1861.

|                               |                 |
|-------------------------------|-----------------|
| • Village boundaries. ... ..  | 1,85,589        |
| Field <sup>1</sup> do. ... .. | 5,53,100        |
| Total...                      | <u>7,38,689</u> |

13. The Registers and Maps submitted are well executed and are approved.

14. The result of the settlement in the Western Delta of the Godavery and in the Mangargoody and Chellumbrum Talooks of South Arcot is satisfactory. In the former District the settlement of Fasli 1272 was only Rupees 21,000 below the joint rents of the previous year, and this result is owing to the new rates being only gradually imposed. It was to be expected that the Ryots when left free by the abolition of joint rents to retain only such lands as they really wished to occupy, should give up much of what, practically, they were obliged to hold, but it is satisfactory to find that the full assessment, of the lands retained and which will speedily be realized amounts to Rupees 72,000 beyond the joint rents of Fasli 1271, and that numerous applications for waste have been received.

15. In the two South Arcot Talooks, the revised settlement of Fasli 1271 was only Rupees 14,563 below the demand of the previous year, and this loss is believed to have been already made good.

16. The Government desire a special report in full detail on these two settlements for transmission to the Home Government. It should be specially noted how far the rates have proved fair and correct, how the Ryots at large regard them, and whether they can now be safely declared permanent.

17. The settlement of the Trichinopoly District, as already remarked, is now under the consideration of Government.

**Kistna District.**

\* Godavery District, Central and Eastern Delta Talooks.

18. The settlements of the Districts marginally\* noted are reserved by the Board until the receipt of the correct survey arrears enable them to judge of the bearing of the new rates.

19. The Kurnool Settlement Report is the Government hope now in course of active preparation.

20. The survey operations in the several Districts will now be noticed.

21. The survey of the Presidency Town is exceptional in its character, and is unconnected with the scheme of the general Revenue Survey of the Presidency. The survey of the Black Town Division has been almost completed, and that of the Tondiamoodoo Division would, it was expected, be completed by June last. The number of holdings surveyed in the year in both the Divisions was 5,305 comprising 1,178 Acres, and the total cost of the work amounted to Rupees 6,433.

22. The Salem party measured as fields 1,120 square miles both in Trichinopoly and Salem Districts at a cost of Rupees 74,461 or Rupees 67½ per square mile. The survey of village boundaries has not kept pace with the field work in consequence of the defective demarcation and the difficult nature of the country; the former has already received notice in paragraph 6. The area surveyed on the Shevaroyis was only 13½ square miles at a cost of Rupees 2,421, or Rupees 179 per square mile. This small progress and large expenditure are also attributed to the extremely defective demarcation.

Rajahmundry.  
Yernagoodiem.  
Ellora.

23. The Godavery party resumed their work in that District in the Talooks (noted in the margin) which still remained unsurveyed and almost completed the field measure-  
the boundary Survey.

ments by the end of April; but the boundary Surveyors worked until the close of the year. The total area surveyed during the year was 573 square miles, and the expenditure amounted to Rupees 61,170 or Rupees 107 per square mile. A portion of the expenditure should be charged to Kurnool for superintendence. The portion of the Godavery party transferred to Kurnool commenced their work in June and surveyed 442 square miles at a cost of Rupees 19,847, or Rupees 45 per square mile. The total outturn of the work of this party was 1,015 square miles; the cost amounted to Rupees 81,018 or Rupees 80 per mile, which the Superintendent considers moderate considering the time lost on the journey from Rajahmundry to Kurnool and ill health from which many of the party suffered.

24. The Kistna party surveyed 1,174 square miles at a cost of Rupees 78,826 or Rupees 67 per square mile. The field areas of only 126 square miles were supplied to the Settlement Department, and village Maps, representing 274 square miles, were sent to the Central Office, no Talook Maps having yet been completed. This small amount of work is attributed to the numerous errors in the records of the Gudivada and Bunder Talooks handed over to the Settlement Department, and to the omission on the part of the Officer in charge at the time of survey to complete the topographical details of the same two Talooks. Major Priestley will be called upon to report the names of the officers who are responsible for the errors alluded to and for the neglect of duty in the case of the topographical surveys.

| Share of<br>Central Office | P.  | RS.    | A.  |
|----------------------------|-----|--------|-----|
|                            | 5   |        |     |
|                            | 7   | 4,255  | 0   |
|                            | 2   | 2,127  | 8   |
|                            | 11  | 2,127  | 8   |
|                            | 5   | 4,255  | 0   |
|                            | 5   | 2,836  | 10  |
|                            | 6   | 4,255  | 0   |
|                            | 6   | 19,856 | 11  |
|                            | 4   | 1,418  | 5   |
|                            | 6   | ...    | ... |
|                            | ... | ...    | ... |
|                            | 7   | 21,275 | 0   |

25. The Coimbatore party did not remove to Coimbatore from Wynad till the middle of April with the exception of a small detachment consisting of 14 Amins and other ranks in proportion. They surveyed 570 square miles at a cost of Rupees 38,233, or Rupees 67 per square mile, exclusive of the sum of Rupees 2,117 spent for completing the records of the Razepoor Talook in the Office of No. 1 party. Both together will raise the total cost to Rupees 40,350, and the rate per mile to Rupees 71. The amount of work performed by this party is considered by Major Priestley reasonable, because the demarcation was very defective and the supply of work to the Survey Department was not sufficient. These shortcomings have already received notice in paragraph 9.

26. The Coimbatore party worked in Wynad up to 15th April only, as by that date attacks of fever had become frequent. During this time 42 square miles were surveyed at a cost of Rupees 17,726 or Rupees 419 per square mile. The small outturn and the large cost are attributed to bad demarcation, but no explanation on the subject is given in Mr. Master's Report.

27. The Nellore party surveyed 966 square miles at a cost of Rupees 61,559 or Rupees 63 per square mile. The Survey in this District also is stated to have been retarded by defective demarcation. Mr. Master will state why the Nellore Talook was not demarcated with stone. From paragraph 8 of his letter to Board, dated 31st March 1863, No. 385-33, this material appears to be easily procurable in that District.

28. The amount of the work performed by the Lithographic Press and the moderate cost thereof are satisfactory. The Government have already expressed their approval of the Maps. The remarks made by the Board in paragraph 60 of their Proceedings are, however, worthy of the attention of the Lithographic Department.

29. The total extent of land surveyed in 1832, exclusive of the exceptional cases, of the Presidency Town, the Wynad and the Shevaroy's was 4,845 square miles. The total cost amounted to Rupees 3,65,103 or Rupees 75-5-6 inclusive of the Central Office and the general charges. Including Wynad and Shevaroy's the rate per mile was 79-7-9 against Rupees 92-14-2 in 1861.

30. The Government notice with pleasure the good mention made of the exertions of the officers (with one exception) employed both in the Survey and Settlement Departments. The Superintendent of Survey will be requested to report the name of the Assistant Superintendent of whom an unfavorable report is stated to have been received and furnish a copy of that report with his remarks.

(Signed) J. D. SIM

(Signed) J. D. SIM,  
Secretary to Government.

Proceedings of the Madras Government  
Under date the 1<sup>st</sup> August 1863.

Read the following Pro-  
ceedings of the Board of Revenue

Submitting, with the Board  
remarks, the Reports from the Di-  
rector of Revenue Settlement & Super-  
intendent of Revenue Survey on the  
operations of their Departments for  
the year 1862.

(Here enter 23<sup>rd</sup> July 1863 &c.  
1541)

With these Proceedings  
the Board of Revenue submit  
the reports of the Officiating Di-  
rector of Revenue Settlement and  
the Superintendent of Revenue  
Survey on the progress of work in  
their respective Departments.  
The Gov<sup>t</sup> will first notice the  
work accomplished by the Set-  
tlement Department.

In the Godavery District  
little work had to be done du-  
ring the year. A small party of  
demarcation

JP

|                    |   |     |            |             |           |            |
|--------------------|---|-----|------------|-------------|-----------|------------|
| Share<br>Central O | 5 | RS. | 7 4,255 0  | 6 19,856 11 | 4 1,418 5 | 7 21,975 0 |
|                    |   | P.  | 2 2,127 8  |             | 6         |            |
|                    |   |     | 11 2,127 8 |             |           |            |
|                    |   |     | 5 4,255 0  |             |           |            |
|                    |   |     | 5 2,836 10 |             |           |            |
|                    |   |     | 6 4,255 0  |             |           |            |

Demarcation was retained, in consequence of the survey being still in progress, to correct or restore the previous demarcation and other similar work. The ~~Office~~ <sup>Office</sup> ~~Establishment~~ <sup>Establishment</sup> was ~~engaged in preparing village Registers, in English and the Vernacular.~~ The total expenditure was Rs 564, under the head of Demarcation & Rs 124,33 under that of Classification and assessment.

3 In Kellore the area demarcated was 1730 Sq. M. or <sup>sq</sup> 1559 less than in the previous year. This decrease was owing partly to the transfer of a portion of the Establishment to Hurnool, where it was of great importance to ~~the~~ <sup>the</sup> operations, and partly to the employment of a part of

of the Establishment in erecting demarcation, clearing lines through jungle, and marking theodolite stations for the survey - which latter duty had been left unperformed because it had devolved on the Survey Department in the Godavery District. The Govt did not understand, nor is it explained, why this omission was not sooner discovered and rectified. It is also stated that a considerable part of the country demarcated in 1862 consisted of jungle, the clearing of lines through which occupied much time - but this the Government would have supported would have been counterbalanced by the smaller number of fields to be marked out. I

1st expenditure was  
£4,347 13 or at the rate of  
nearly 23 £ per mile - as  
against 20½ in the previous year.

In the Huelva District  
116 sq miles were demarcated  
and 1196 classified at an average  
cost of 21½ for the former & 25½ for  
the latter operation. In the previous  
year the charge was 22 for the for-  
mer & 25¾ for the latter. The in-  
crease in demarcation is owing  
to the party having been em-  
ployed on field work for only  
7 months - the remainder  
of the year being occupied in  
the preparation of registers &c.

In Hurnool the  
work has been pushed on  
with rapidity. The de-  
marcation extended  
to 1777 miles at an  
cost

cost of £12 25.3 per sq  
and 1243 sq. m. were clas-  
sified at a cost of £15.5  
per mile. The field ex-  
penditure, worked thro-  
out the year without a  
cess.

In Salin the field  
work had been nearly  
completed at the end of  
1881. The Demarcation in  
this District appears to  
have been particularly  
defective and the greater  
portion of the expenditure  
incurred seems to have  
been owing to this cause.  
Mr. Thomas, the Deputy  
Director in charge, is ab-  
sent in England and  
cannot at present be called  
to account - but his Su-  
-ordinate

Subordinates must be held responsible for their share of this waste of time and money. They must, by the Gov<sup>t</sup> pressure, have known how to demarcate properly and though the Deputy is responsible in the first instance, his Subordinates cannot be allowed to escape. The Master will report the names of the parties and the degree in which they should be held answerable. Not only has there been a large expenditure, owing to their misconduct, in the Settlement Department, but also on the Shevaroy Hills, every charge, ~~has been~~ in the same case aggregated early Rs 150 per S. Tr.

7. In Trichinopoly a tract of 5000 acres was demarcated and classified to meet increase in cultivation. ~~Under the head of Land Reclamation and Settlement~~ Rs. 8000 - were spent in preparing registers. The scheme of settlement for this District is now under the consideration of Government.

8. In Tinnevely District demarcation, only is in progress and 638 square miles have been finished at a cost of nearly 38 Rupees per S. Tr. The out-turn is smaller and the cost higher than the standard, but the party

Party was not made  
up to its full strength  
till September. The  
work is now progress-  
ing well.

3. In Coimbatore the  
work, though better  
than last year, is still  
under the mark  
1085 Square miles were  
demarked at a cost  
of 36 Rs per mile,  
whereas last year the  
cost was Rs 90. The  
demarkations however  
is reported inferior  
owing, in Mr. Master's  
opinion, to want of energetic  
supervision as  
well as to the inferiority of  
the subordinate agency  
available. The Govt

request the names  
of

of the officers to whom  
neglect of duty thus  
is owing and what pen-  
alment, has been in-  
flicted on them. Demar-  
cation is extremely sim-  
ple in its character  
and the only way to put  
an effectual stop to  
those frequent complaints  
of defective demarcation  
is to dispense with the  
services of those who per-  
form it. As matters  
stand Govt are paying  
Officers for doing their  
work badly - pay others  
to correct that bad work  
and incur further ex-  
pense when the survey  
takes up that work. It  
is also losing valuable  
time.

In Wyquad a very small party was employed to bring operations to a close.

The total expenditure of the year was Rs. 3,65,964 or Rupees 16,000 beyond that of 1861. Owing to the inclusion of cesses, much charges a comparison of work and expense cannot be fairly made but in the Districts where this can be done, the expense

expense per mile is in 3 instances (Munrool, Coimbatore and Wyquad) considerably less than in 1861.

12 The number of Boundary marks put up during the year was 7,38,589.

The Government would impress on the Director of Settlement the great importance

\* Village Boundaries 185,580  
Field Boundaries 553,100  
Total 7,38,589

116 The result of  
the Settlement in the  
Western Delta of the  
Godavary and in the  
Manavgoddy and  
Chellumbur  
Talooks

of

the lands retained  
and which will speedily  
be realised <sup>amounts to</sup> Rs. 72,000  
beyond the joint rents  
of 1271 and that  
numerous applications  
for waste have been  
received.

15. In the two S. Prost.  
Talooks, the revised settle-  
ment of 1271 was only  
Rs. 14,563 below the demand of  
the previous year and  
this loss is believed to have  
been already made good.

16. The Govt. desire  
special report in full  
to ail on these 2 settlements  
for

for transmission to the  
Home Dept. It should be  
specially noted how far  
the rates ~~are~~ <sup>have</sup> proved fair  
and correct. How the ryots  
at large regard them.  
and whether they can  
now be safely declared  
permanent.

17. The Settlement  
of the Trichinopoly  
District, as already re-  
marked, is now under  
the consideration of  
Government.

\* Do & every Dist. Central & Eastern Delta  
Talugs.

Thetua District

18. The Settlements  
of the Districts marginally  
noted are reserved by  
the Board until the re-  
ceipt of the correct  
survey areas enable  
them to judge of the  
bearing of the new rate.

19. The Kurnool  
settlement

settlement report is the  
Government hope now in  
course of active prepara-  
tion.

20 The survey opera-  
tion in the several dis-  
tricts will now be noticed.

21 The survey of the  
Presidency Town is excep-  
tional in its character  
and is unconnected  
with the scheme of the  
general Revenue Survey  
of the Presidency. The  
survey of the Black Town  
Division has been almost  
completed and that of the  
Tondiaroodoo Division  
would, it was expected,  
be completed by June last.  
The number of holdings  
surveyed in the year  
in both the Divisions  
was 5305 comprising

\* The survey of Village bound-  
aries has not kept pace  
with the field work in con-  
sequence of the defective de-  
marcation and the diffi-  
cult nature of the country,  
the former has already  
received notice in para 6.

Rajahmundry.  
Gernagoodem.  
Ellore.

1178 acres and the total  
cost of the work amount-  
ed to Rupees 6433.

22 The Talent party  
measured as fields 1120  
square miles both in  
Tondiaroodoo and Salem  
Districts at a cost of  
Rs 7456 or Rupees 6 1/2  
per square mile. \* The  
area surveyed on the  
Saveroy was only 13 1/2  
square miles at a cost  
of Rs 2421 or Rs 179 per  
square mile. This small  
progress and large ex-  
penditure are also attrib-  
uted to the extremely  
defective demarcation.

23 The Godavery  
party resumed their  
work in that District  
in the Taluk (noted  
in the Margin) which still  
remained

indicated surveyed  
and almost completed  
the field measurements  
by the end of April,  
but the boundary surveyors  
worked until the close  
of the year. The total  
area surveyed during  
the year was 573 square  
miles and the expense  
estimated amounted to  
Rs. 6,170 or Rs. 107 per  
square mile. A portion  
of the expenditure should be  
charged to Kurnool  
for Superintendence.  
The portion of the Goida  
survey party transferred  
to Kurnool commenced  
their work in June &  
surveyed 442 square  
miles at a cost of Rs.  
2,867 or Rs. 45 per square  
mile. The total out-turn  
of

of the work of this party  
was 1015 square miles, the  
cost amounted to Rs. 8,1078 or  
Rs. 80 per mile which the  
Superintendent considers  
moderate considering the  
time lost on the journey  
from Rajahmundry to  
Kurnool and ill health from  
which many of the party suf-  
fered. The Mistia party  
surveyed 1174 square miles  
at a cost of Rs. 7,826 or Rs. 67 per square  
mile the field area of only 126 square  
miles were supplied to the  
Settlement Dept. and Village  
Maps representing 274  
square miles were sent  
to the Central Office, as  
Tahsil Maps having yet  
been completed. This  
small amount of work  
is attributed to the  
numerous errors in the  
records of the Goida

and Bunder Taluqs handed  
to the Settlement Dept.  
and to the omission on  
the part of the officer in  
charge at the time of survey  
to complete the topog-  
raphical details of the same  
two Taluqs. Major Priestley  
will be called upon to  
report the names of the  
officers who are respon-  
sible <sup>for</sup> the errors alluded  
to and for the neglect  
of duty in the case of the  
topographical surveys.

25. The Coimbatore  
party did not resume to  
Coimbatore from Wynad  
till the middle of April -  
with the exception of a  
small detachment con-  
sisting of the Amies and  
other parties in proportion.  
They surveyed 570 square  
miles

miles at a cost of Rs. 38,335  
~~28~~ or Rs. 67 per square  
mile exclusive of the sum  
of Rs. 2117 spent for com-  
pleting the records of  
the Nagpore Taluq in  
the office of Mr. party.  
Both together will raise  
the total cost to Rs. 40,850  
and the rate per mile  
to Rs. 71. The amount of  
work performed by this  
party is considered by  
Major Priestley reasonable  
because the demarcation  
was very defective and  
the supply of work to the  
Survey Department was  
not sufficient. These  
shortcomings have already  
received notice in para 9.

26. The Coimbatore  
party worked in Wynad  
up to 15<sup>th</sup> April only, as  
by

by that date attacks of  
fever had become frequent.  
During this time 42  
square miles were sur-  
veyed at a cost of \$16,  
1726 or \$16.419 per square  
mile. The small outturn  
and the large cost are  
attributed to bad de-  
marcations, but no ex-  
planation on the subject  
is given in Mr. Master's  
report.

27 The Nelson party  
surveyed 966 square miles  
at a cost of \$16,559 or  
\$16.63 per square mile.  
The Survey in this District  
also is stated to have  
been retarded by defective  
demarkation. Mr. Master  
will, ~~in submitting the~~  
~~information called for~~  
~~in para 3 state why the~~  
Nelson

More Valug will find the  
marked with a line. In  
para 8 of his letter to Board  
dated 31<sup>st</sup> March 1863, \$355.00  
this material appears  
to be easily procurable  
in that District.

28 The amount of the  
work performed by the  
Lithographic Press and  
the moderate cost thereof  
are satisfactory. The Board  
have already expressed  
their approval of the maps.  
The remarks made by  
the Board in para 6 of  
their Progs. are however  
worthy of the attention of  
the Lithographic Depart.

29 The total extent  
of land surveyed in 1862  
exclusive of the exceptional  
cases, of the Presidency  
Survey, the Wyand and  
the

the Shewaroy was 481504  
miles. The total cost  
amounted to Rs 365,103 or  
Rs 75-5-6 inclusive of  
the Central Office and the  
general charges. Including  
Wynaad and Shewaroy  
the rate per mile was  
79-7-9 against Rupees  
92-14-2 in 1861.

30 The Govt. noted  
with pleasure the good  
mention made of the exertions  
of the Officers (with one ex-  
ception) employed both in the  
Survey and Settlement Depart.  
The Superintendent of Sur.  
will be requested to report  
the name of the Assistant  
Superintendent of whom  
an unfavorable report is  
stated to have been received  
and furnish a copy of that  
report with his remarks.

J. P. S.

55 1/2  
5  
14 Copies to the Commr. 5  
Board of Revenue with 3 Plans & 30 Maps  
13 up to the Rev. Settlement  
10 Supd. of Rev. Survey

the India  
minutes. In  
annual

465-705

201-72--

1718/12 18-70

17-8-94

16/11/94

16-2-95

Pro. No. 97-98

7-12-60

246-249

21-10-61

223-224

3-3-62

417-418

28-3-62

540-541

30-5-62

110-111

8-8-62

130-131

12-8-62

137-138

9-9-62

347-348

28-11-62

Mis Pro. No. 17

10-2-63

7

7-3-63

Current No. 10347

3472 of 1862

560 + 1128 of 1863.

N 344-

28 Aug 763 R224

1862 depart.  
of Govt for September

N. 1601.

of the Madras Govt  
for September 1863.

Pro of the B of Revenue  
September 763 C. 2168  
the Office of the  
5 Sept 63 C. 2207 in No. 111  
from the Office of the  
of 18th Feb 764 C. 1142

Settlement and  
survey reports for 186  
reviewed.

Pro of the B of Revenue  
C. 1607 in No.  
Pro B of Revenue 22nd August 64  
C. 12250