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# MADRAS RECORD OFFICE.

Government of Madras.

*Public Works* DEPARTMENT.

|               |     |               |
|---------------|-----|---------------|
| G.O. No. 1784 | (N) | Press<br>Mis. |
| Dated 26-11-  |     | 1877.         |

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

26th November 1877, No. 1,784 W.

General.

Establishment.

Read the following paper:—

No. 220. Proceedings of the Board of Revenue, dated 30th October 1877,  
No. 4,875.

ABSTRACT.—*Public Works*—executed in Ganjam District during 1876-77.—  
Submitting to Government Collector's report on —.

No. 221. ORDER THEREON, 26th November 1877, No. 1,784 W.

COMMUNICATED to the District Engineer, Ganjam.

(True Extract.)

Colonel, R.E.,  
Secretary to Government, P.W.D.

To the District Engineer, Ganjam.  
" Chief Engineer for Irrigation.

Exd. S: T. Austin.

Spare Copies

No. 4,875.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 30th October 1877.

Read the following letters :—

From J. G. HORSFALL, Esq., Officiating Collector of Ganjam, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Chatterpore, 20th July 1877, No. 2,533 :—

I HAVE the honor to submit my report on the Public Works of this district for the official year 1876-77, together with the statements\* prescribed in the Board's Circular Memorandum, dated 7th December 1875, No. 2,044.

2. The total amount allotted for expenditure on Public Works under all heads, viz., Imperial, Provincial, and Local, was Rupees 3,06,886, of which Rupees 2,86,433 were spent, leaving a balance of Rupees 20,453 unexpended.

3. The following table exhibits the expenditure as compared with that of the preceding year, and with the grant for year under report :—

|              |                 | EXPENDITURE |             |                       | Grant for 1876-77. | Increase or Decrease as compared with the Grant. |
|--------------|-----------------|-------------|-------------|-----------------------|--------------------|--------------------------------------------------|
|              |                 | In 1875-76. | In 1876-77. | Increase or Decrease. |                    |                                                  |
|              |                 | RS.         | RS.         | RS.                   | RS.                | RS.                                              |
| Imperial ... | { New Works ... | 5,387       | 7,080       | + 1,693               | 7,103              | — 23                                             |
|              | { Repairs ...   | 44,538      | 61,076      | + 16,538              | 53,436             | + 7,640                                          |
|              | Total ...       | 49,925      | 68,156      | + 18,231              | 60,539             | + 7,617                                          |
| Provincial.  | { New Works ... | 24,090      | 45,235      | + 21,145              | 50,099             | — 4,864                                          |
|              | { Repairs ...   | 8,463       | 13,585      | + 5,122               | 13,436             | + 149                                            |
|              | Total ...       | 32,553      | 58,820      | + 26,267              | 63,535             | — 4,715                                          |
| Local ...    | { New Works ... | 54,551      | 59,759      | + 5,208               | 90,674             | — 30,915                                         |
|              | { Repairs ...   | 94,586      | 99,698      | + 5,112               | 92,138             | + 7,560                                          |
|              | Total ...       | 1,49,137    | 1,59,457    | + 10,320              | 1,82,812           | — 23,355                                         |
|              | Grand Total ... | 2,31,615    | 2,86,433    | + 54,818              | 3,06,886           | — 20,453                                         |

4. *Imperial, New Works.*—The sum of Rupees 7,080 shown as expenditure under "New Works," "Imperial," was expended under the following heads :—

|                             |                    | Allotment. | Expenditure. |
|-----------------------------|--------------------|------------|--------------|
|                             |                    | RS.        | RS.          |
| By Public Works Department. | { Irrigation ...   | 3,000      | 2,777        |
|                             | { Military ...     | 1,693      | 969          |
|                             | { Civil Buildings. | 1,640      | 1,654        |
| By Revenue Department...    | Salt Works ...     | 770        | 1,680        |
|                             | Total ...          | 7,103      | 7,080        |

5. *Irrigation*.—The particulars of irrigation works as given by the Public Works Department are as follows:—

|                                            | Number Estimated for. | Amount of Estimate. | Outlay. | Number completed. | Number incomplete and in progress. |
|--------------------------------------------|-----------------------|---------------------|---------|-------------------|------------------------------------|
| Tanks ... { Surplus weirs ...              | 1                     | Rs. 347             | Rs. 347 | 1                 | ...                                |
| ... { Sluices ...                          | 4                     | 699                 | 501     | 3                 | 1                                  |
| ... { Huts near head sluices ...           | 4                     | 80                  | 46      | 4                 | ...                                |
| Canals and Channels. { Surplus sluices ... | 4                     | 1,340               | 975     | 4                 | ...                                |
| ... { Aqueducts ...                        | 1                     | 470                 | 230     | ...               | 1                                  |
| ... { Bridges ...                          | 2                     | 690                 | 624     | 1                 | 1                                  |
| ... { Embankments ...                      | 1                     | ...                 | 54      | 1                 | ...                                |
| Total ...                                  | 17                    | 3,526               | 2,777   | 14                | 3                                  |

6. The short outlay against the allotment is stated to be owing partly to the non-payment within the year of the full amount due to contractors for the amount of the work completed and partly to the heavy rains in February and March which destroyed raw bricks, &c., made for certain works. The contractors, it is said, absented themselves owing to the prevalence of cholera.

7. No irrigation project of any great importance was constructed during the year, and nothing seems to have been done in regard to the reclamation of Gonju Tampara and Lakshmipur Tampara referred to in paragraph 6 of the report for 1875-76.

8. *Military*.—The outlay on Military New Works consisted of the two following items:—

|                                                                                     | Allotment. RS. | Expenditure. RS. |
|-------------------------------------------------------------------------------------|----------------|------------------|
| 1. Construction of Rifle Range for the use of the Native Infantry at Berhampore ... | 1,318          | 613              |
| 2. Latrine in the Military Hospital, Berhampore ...                                 | 375            | 356              |
| Total ...                                                                           | 1,693          | 969              |

9. The aggregate amount of the original and supplemental estimates sanctioned by Government for the work No. 1 is Rupees 2,987, of which Rupees 1,669 were spent in 1874-75 and 1875-76. The remaining sum, viz., Rupees 1,318, was allotted for expenditure during the year under notice, but the actual expenditure amounted to only Rupees 613, leaving a balance of Rupees 705 unutilized.

10. The short outlay is explained by the District Engineer to be owing to the continual and heavy rains and to the prevalence of cholera. It is stated that some of the arches of the tunnels constructed on the branch road forming part of the Rifle Range work have been washed away by the rains.

11. With regard to the progress of the work the District Engineer says that "earth-work of branch road and extension completed," gravel dug and "half of the quantity carted and one culvert completed except parapets, and the other half done."

12. The estimate for item No. 2 amounted to Rupees 375, the whole of which was allotted for expenditure during the year. The actual expenditure amounted to Rupees 356. The work is reported to have been nearly completed with the exception of a tank, which the District Engineer says "could not be got here."

13. *Civil Buildings*.—The particulars of the item "Imperial Buildings" are as follow:—

|                                                                                   | Allotment. RS. | Expenditure. RS. |
|-----------------------------------------------------------------------------------|----------------|------------------|
| 1. Converting the old Sub-Magistrate's Cutcherry at Sompetta into Post Office ... | ...            | 24               |
| 2. Converting the left wing of Subsidiary Jail at Itchapore into Post Office ...  | 1,150          | 1,140            |
| 3. Additions to Post Office at Berhampore ...                                     | 490            | 490              |
| Total ...                                                                         | 1,640          | 1,654            |

14. The first was an incomplete work and continued on by the District Engineer in anticipation of an allotment during the year at the special request of the Postmaster-General who "promised to allot funds on the 1st July 1877." The amount of the estimate for this work was Rupees 450, of which Rupees 316 during 1875-76 and Rupees 24 the close of the year under report, viz., Rupees 316 during 1875-76 and Rupees 24 in the year under report. The work is still incomplete owing, it is said, to the late receipt of the Government Order ordering the work to be completed. The second and third items have been completed without exceeding the estimates and allotments.

15. "*Salt*."—The sum of Rupees 1,680 shown under the head "Salt New Works" was expended as follows:—

|                                                                          | Expenditure. RS. |
|--------------------------------------------------------------------------|------------------|
| 1. Building a boat for the use of the Salt Department at Ganjam ...      | 460              |
| 2. Construction of a shed for the use of the Sub-Inspector, Ganjam ...   | 40               |
| 3. Constructing a shed for the use of the Sub-Inspector at Itchapore ... | 40               |
| 4. Do. do. do. Nowpada ...                                               | 40               |
| 5. Do. do. do. Womerwilly ...                                            | 100              |
| 6. Do. traders' shed at Nowpada ...                                      | 960              |
| 7. Draw-bridges at Ganjam and Womerwilly ...                             | ...              |
| Total ...                                                                | 1,680            |

16. Works Nos. 2, 3, and 7 have been completed and the rest were in progress.

17. It will be seen from the above list that a sum of Rupees 910 was expended in excess of the budget allotment (Rupees 770) shown in paragraph 4. The excess was met from savings in the grants made for repairs.

18. *Imperial Repairs*.—The expenditure on Imperial Repairs was as follows:—

|                                                 | Allotment. RS. | Actuals. RS. |
|-------------------------------------------------|----------------|--------------|
| By Department of Public Works. { Irrigation ... | 39,000         | 48,761       |
| ... { Military ...                              | 2,850          | 1,654        |
| ... { Civil Buildings ...                       | 386            | 372          |
| By Revenue Department... Salt ...               | 11,200         | 10,289       |
| Total ...                                       | 53,436         | 61,076       |

19. *Repairs, Irrigation*.—The excess expenditure on the repairs of irrigation works as compared with the allotment has been reported to be principally due to the extraordinary clearance of the heads of the river channels and restoration of banks necessitated by the floods of last October. It has been added that "otherwise there would have been great loss of the 'Sarwa' or principal paddy crop over the richest and most productive land." The works repaired consisted of—

| No.                                | RS.    |
|------------------------------------|--------|
| 1 Anicut ...                       | 658    |
| 7 Embankments or dykes ...         | 19,603 |
| 51 Channels and distributaries ... | 17,526 |
| 106 Reservoirs and tanks ...       | 10,974 |
| Total ...                          | 48,761 |

20. *Repairs of Anicuts.*—The anicut repaired was that across the Godahallo river at Injelly. The actual expenditure on this work exceeded the allotment by a small sum of Rupees 77.

21. *Embankments and Dykes.*—Of the expenditure of Rupees 19,603 on embankments and dykes, Rupees 15,679 were spent for special and emergent repairs to the Mahanaddy embankments, Rupees 2,939 for similar repairs to Rushikulya embankment, and the remaining Rupees 985 for petty repairs to several minor works.

22. *Channels and Distributaries.*—The following are the main channels repaired:—

|                                           | Expenditure.<br>RS. |
|-------------------------------------------|---------------------|
| 1. Byree main channel of Vamsadhara river | 2,106               |
| 2. Wadada do. of do.                      | 1,683               |
| 3. Purushottapore do. of do.              | 735                 |
| 4. Dusi main Channel of Langulya river    | 810                 |
| 5. Hiradhara channel of Rushikulya river  | 920                 |
| Total                                     | 6,255               |

23. The rest of the expenditure (Rupees 11,271) under this head was incurred on the repairs of works of minor importance, the expenditure on each of which did not exceed Rupees 500.

24. *Reservoirs and Tanks.*—The only work of importance under this head was the Dolabillo Tampara at Purushottamapore in the Berhampore Taluq, on which Rupees 538 were spent. The remaining works were minor tanks, &c.

25. *Military Repairs.*—Of the sum of Rupees 1,654 shown as expenditure under this head, Rupees 146 were expended for the repairs of the cantonment road at Berhampore. The work was executed by the Berhampore Municipal Commissioners, to whom the grant was paid. The road was kept in good order. The remaining sum of Rupees 1,508 was spent in repairing Military Buildings at Berhampore.

26. The short outlay as compared with the allotment is attributed to heavy rains, to prevalence of cholera, and to changes in Overseers.

27. *Repairs, Civil Buildings.*—The following Civil Buildings were repaired during the year:—

|                            | Expenditure.<br>RS. |
|----------------------------|---------------------|
| 1. Post Office at Sompetta | 110                 |
| 2. Do. at Berhampore       | 195                 |
| 3. Do. at Aska             | 48                  |
| 4. Do. at Gopaulpore       | 19                  |
| Total                      | 372                 |

The allotment (Rupees 386) was nearly utilized.

28. *Repairs, Salt.*—The particulars of the repairs of salt works as per statement of Petty construction and repairs submitted by the Salt Deputy Collector are as follow:—

|                                             | RS.    |
|---------------------------------------------|--------|
| Repairs of roads                            | 2,640  |
| Do. of Constables' huts                     | 567    |
| Do. of channels, tanks, trenches, and moats | 4,961  |
| Do. of platforms, sheds, and watch-tours    | 2,046  |
| Do. of Salt Cutcherries                     | 75     |
| Total                                       | 10,289 |

29. All these works were executed within the estimate and within the allotments. There was a sum of Rupees 911 short expended on repairs as compared with the allotment, but this was utilized in the execution of New Works—vide paragraph 15 supra.

30. *Provincial New Works.*—The details of expenditure of Rupees 45,235 on Provincial New Works are as follows:—

|                               | Estimate.<br>RS. | Expenditure.<br>RS. | Allotment.<br>RS. | Expenditure<br>RS. |
|-------------------------------|------------------|---------------------|-------------------|--------------------|
| By Department of Public Works | 17,400           | 17,234              | 13,529            | 10,560             |
| By Other Agency               | 17,500           | 16,000              | 1,670             | 1,441              |
| Total                         | 34,900           | 33,234              | *31,900           | 33,234             |
|                               |                  |                     | Total             | 50,099             |
|                               |                  |                     |                   | 45,235             |

31. The following are the particulars of expenditure on New Civil Buildings.

|                                                                                                  | Allotment.<br>RS. | Actuals.<br>RS. |
|--------------------------------------------------------------------------------------------------|-------------------|-----------------|
| 1. Additional buildings for the Registrar's Office at Berhampore                                 | 760               | 1,324           |
| 2. Improvements to District Court, Berhampore                                                    | 260               | 246             |
| 3. Additions and alterations to Tahsildar's Cutcherry, Berhampore                                | 923               | 1,540           |
| 4. Additional rooms to Deputy Tahsildar's Cutcherry, Purushottapore                              | 760               | 547             |
| 5. Fitting stands in the Tahsildar's Cutcherry at Berhampore                                     | 12                | 180             |
| 6. Putting in a door, &c., in the Treasury room at Ganjam                                        | ...               | 2               |
| 7. Improvements to Sub-Magistrate's Cutcherry at Purla Kemidy                                    | ...               | 32              |
| 8. Additions to the Sea Customs Office, Gopaulpore                                               | ...               | 79              |
| 9. Construction of a store shed at Calingapatam                                                  | ...               | 265             |
| 10. Converting the terraced roof of the Jail's quarters of the Berhampore Jail into a tiled roof | 300               | 46              |
| 11. Construction of a night latrine to the Zillah Jail, Berhampore                               | 787               | 173             |
| 12. Providing asphalt floor to the rooms and verandah of the Sub-jail at Purla Kemidy            | 128               | 228             |
| 13. Additions and alterations to the Sub-jail, Chicacole                                         | 984               | 1               |
| 14. Hill Jail, Russelcondah                                                                      | 330               | 888             |
| 15. Construction of a Police Station-house at Berhampore                                         | 194               | 171             |
| 16. Do. of do. at Pudanari                                                                       | ...               | 39              |
| 17. Do. of do. at Haripore                                                                       | 579               | 579             |
| 18. Do. of do. at Panditgam                                                                      | 80                | 389             |
| 19. Do. of do. at Guradi                                                                         | 573               | 573             |
| 20. Improvements to Police Hospital, Russelcondah                                                | 5,000             | 1,975           |
| 21. Additions to the Zillah School, Berhampore                                                   | ...               | ...             |
| 22. Converting the terraced roof of the Zillah Jail Hospital into a tiled one                    | 980               | 896             |
| 23. Construction of five rest sheds at Udayagiri and Ramagiri, &c.                               | 200               | 200             |
| Total                                                                                            | 13,529            | 10,560          |

32. On the whole the expenditure under this head was within the allotment. But the expenditure on the works Nos. 1, 3, 5, and 12 largely exceeded the allotment; works Nos. 6, 7, 8, 9, and 13 appear to have been undertaken without an allotment. The reason assigned in each case is the emergency of buildings required for use. It is further stated that a sum of Rupees 2,600 was surrendered from the allotment made for the Chilka canal\* under the impression that it would be transferred to the works in question. No such transfer, however, seems to have been made. The works in question have all been completed. The non-utilization of the full allotments on the works Nos. 4 and 11 is attributed to heavy rains during the working season which destroyed raw bricks and to the prevalence of cholera preventing the completion of these works. The allotments for Nos. 10 and 21 were not utilized owing, it is stated, to certain objections raised by the Jailkeeper, Berhampore, and the Head Master, Zillah.

\* Vide paragraph 35.

School, Berhampore, respectively, to the original estimates. Supplemental estimates were submitted in consequence for sanction. Works Nos. 2, 14, 15, 17, 18, 20, and 23 were completed within the allotments, and the remaining works, viz., 16, 19, and 22 were in progress. The expenditure on No. 19 was far short of the allotment, but no explanation has been given. No. 23 was executed by the Senior Assistant Agent and the rest by Public Works Department.

33. *Miscellaneous Public Improvements*.—The only work undertaken under this head was the fixing of a lantern on the top of the Calingapatam obelisk. The estimate for the work was Rupees 1,670, the whole of which was allotted for expenditure during the year under report; Rupees 1,417 were spent; the light has been exhibited. The balance of the estimate is said to be required for iron angle, for which an indent had been made to the Public Works Stores, Madras.

34. *Communications*.—Out of the sum of Rupees 34,300 allotted under this head Rupees 33,234 were expended.

35. The following were the works executed:—

|                                                                                                           | Allotment.<br>RS. | Expenditure.<br>RS. |
|-----------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| 1. Construction of a canal from Chilka Lake to Ganjam ...                                                 | 17,400            | 17,234              |
| 2. Clearing and smoothening the road from Baliguda to Udayagiri ...                                       | 2,500             | 2,500               |
| 3. Platform masonry bridge on road between Baliguda and Udayagiri ...                                     | 4,600             | 4,600               |
| 4. Platform masonry bridge on main road to the road frontier ...                                          | 2,000             | 2,000               |
| 5. Do. do. on Tentuliguda road ...                                                                        | 500               | 500                 |
| 6. Turning road from Tentuliguda to Possara by new ghaut ...                                              | 2,020             | 2,020               |
| 7. Formation of road from Tentuliguda to Linipada ...                                                     | 1,600             | 100                 |
| 8. Completion of two miles of road on Bond frontier ...                                                   | 500               | 500                 |
| 9. Construction of a ferry boat at Mahasingi River ...                                                    | 580               | 580                 |
| 10. Do. do. bridge at Mahasingi ...                                                                       | 760               | 760                 |
| 11. Cleaning and forming the Military road from the limits of Serungado via Navagado and Khojiripadro ... | 1,600             | 1,600               |
| 12. Do. to road from Chilliguda to Ramagiri ...                                                           | 120               | 120                 |
| 13. Do. from Ramagiri to Bedro ...                                                                        | 300               | 300                 |
| 14. Do. from Chilliguda to Igrapalli ...                                                                  | 420               | 420                 |
| Total ...                                                                                                 | 34,300            | 33,234              |

36. The estimate for the first work (construction of a canal from Chilka Lake to Ganjam) was Rupees 1,41,370, of which Rupees 1,10,764 were expended up to the end of 1875-76. The original allotment for the work during the year under report was Rupees 20,000, of which Rupees 2,600 were surrendered. The allotment was thus reduced to Rupees 17,400, of which Rupees 17,234 were spent. It is stated that 93,969 cubic yards of earth-work were done towards excavating first, second, and third steps, the progress of the work at the fourth step having been retarded by the high level of water in the lake. The other works enumerated were in the Maliahs and executed by the Special and Senior Assistant Agents. The allotments were made by the Agent out of the grants (Rupees 23,100\*) sanctioned by Government in their Order, No. 402, dated 25th February 1876, Financial Department, and were fully expended.

37. Sixty-nine miles of the line from Baliguda to Udayagiri (No. 2) was cleared, and the Special Assistant Agent reports that the money has been expended in a satisfactory manner. The other works are in progress.

38. *Provincial Repairs*.—The expenditure on Provincial repairs is made up of the following:—

|                                                                  | Allotment.<br>RS. | Expenditure.<br>RS. |
|------------------------------------------------------------------|-------------------|---------------------|
| * Civil Buildings ...                                            | 9,261             | 9,530               |
| Miscellaneous Public Improvements by Public Works Department ... | 275               | 155                 |
| Communications of Other Agency ...                               | 3,900             | 3,900               |
| Total ...                                                        | 13,436            | 13,585              |

39. *Civil Buildings*.—The Public Works Department repaired the following buildings at a cost of Rupees 7,700 against an allotment of Rupees 7,261:—

|                                                                                      | RS.   |
|--------------------------------------------------------------------------------------|-------|
| 1. Repairs to District Court, Berhampore ...                                         | 300   |
| 2. Do. to District Munsif's Court, Berhampore ...                                    | 189   |
| 3. Do. to do. do. Aska ...                                                           | 100   |
| 4. Do. to do. do. Raghannadhapore ...                                                | 358   |
| 5. Do. to Collector's Cutcherry, Chatterpore ...                                     | 2,146 |
| 6. Do. to do. do. ...                                                                | 31    |
| 7. Do. to Principal Assistant Collector's Cutcherry, Chicacole ...                   | 505   |
| 8. Do. to Tahsildar's Cutcherry, Russelcondah ...                                    | 337   |
| 9. Do. to Sub-Magistrate's Cutcherry, Itchapore ...                                  | 20    |
| 10. Do. to do. do. ...                                                               | 105   |
| 11. Do. to do. do. Purushottapore ...                                                | 78    |
| 12. Do. to do. do. Berhampore ...                                                    | 221   |
| 13. Do. to do. do. Surada ...                                                        | 75    |
| 14. Do. to do. do. Aska ...                                                          | 27    |
| 15. Do. to do. do. Raghannadhapore ...                                               | 85    |
| 16. Do. to Sea Customs House, Gopulpore ...                                          | 10    |
| 17. Do. to Special Assistant Agent's Cutcherry, Russelcondah ...                     | 284   |
| 18. Emergent repairs to do. do. ...                                                  | 116   |
| 19. Do. to Police Office, Chatterpore ...                                            | 17    |
| 20. Lightning conductor attached to Police Magazine, Russelcondah ...                | 1     |
| 21. Do. do. to Station-house at Gangupore ...                                        | 20    |
| 22. Do. do. at Bodagudah ...                                                         | 62    |
| 23. Do. do. Itchapore ...                                                            | 262   |
| 24. Repairs to Station-house at Varanasy ...                                         | 95    |
| 25. Do. do. at Calingapatam ...                                                      | 20    |
| 26. Do. to do. do. at Narasannapetta ...                                             | 62    |
| 27. Do. to do. do. at Chicacole ...                                                  | 449   |
| 28. Do. to Police Hospital, Russelcondah ...                                         | 653   |
| 29. Do. to District Jail, Berhampore ...                                             | 87    |
| 30. Do. to Cook-room and latrine of Jailers' quarters of Zillah Jail, Berhampore ... | 21    |
| 31. Tarring the latrine attached to the Sub-jail, Kemidy ...                         | 1     |
| 32. Repairs to District Engineer's Office, Chatterpore ...                           | 287   |
| 33. Do. to Public Works Bungalow, Ganjam ...                                         | 37    |
| 34. Do. to Overseer's Office, Itchapore ...                                          | 34    |
| 35. Do. to Taluq School-house at Chicacole ...                                       | 84    |
| 36. Do. to do. do. at Raghannadhapore ...                                            | 74    |
| 37. Do. to Protestant Church, Chicacole ...                                          | 90    |
| 38. Do. to compound wall of the Roman Catholic Burial-ground, Russelcondah ...       | 7     |
| 39. White-washing compound wall of Protestant Burial-ground at Russelcondah ...      | 15    |
| 40. Do. cemetery at Chicacole ...                                                    | 9     |
| 41. Do. do. at Kemidy ...                                                            | 19    |
| Quit-rent for the Range Office sites and house-rent to Medical Subordinates ...      | 410   |
| Total ...                                                                            | 7,803 |
| Deduct Refunds ...                                                                   | 103   |
| Net ...                                                                              | 7,700 |

40. The expenditure on works Nos. 4, 5, 7, 12, 15, 19, 27, 28, and 32 exceeded the allotments made, while works Nos. 3, 6, and 35 were executed without any allotment. This, the District Engineer reports, was owing to the urgency of repairs required. The other repairs were executed within the allotments made. Nothing is reported with regard to the state of the repairs executed or the condition of the buildings.

41. The following Maliah buildings were repaired by the Special and Senior Assistant Agent at a cost of Rupees 1,830, against a grant of Rupees 2,000, which is made up of the allotments aggregating Rupees 1,800 made by the Agent out of the grant (Rupees 23,400) sanctioned by Government in G.O., dated 25th February 1876, No. 402, Financial Department, and of Rupees 200 transferred from the Police Department on account of the repairs of the Baliguda Magistrate's house with reference to paragraph 7 of G.O., dated 12th October 1876, No. 2,180, Judicial Department:—

|                                                                | RS.   |
|----------------------------------------------------------------|-------|
| 1. Repairs of hill bungalows ... ..                            | 500   |
| 2. Special Assistant Agent's house... ..                       | 500   |
| 3. Market sheds... ..                                          | 200   |
| 4. Baliguda Sub-jail ... ..                                    | 200   |
| 5. Do. Magistrate's house ... ..                               | 200   |
| 6. Udayagiri Sub-jail ... ..                                   | 200   |
| 7. Repairs to Ramagiri Magistrate's Office and Sub-jail ... .. | 30    |
| Total ...                                                      | 1,830 |

42. The allotments made for the first six works were fully utilized. Out of an allotment of Rupees 200 made for the seventh work, only Rupees 30 were spent by the Special Assistant Agent, and the remaining Rupees 170 given up as not required. The Special Assistant Agent reports that "all the buildings and bungalows are in good order."

43. *Miscellaneous Public Improvements.*—The following are the repairs under this head:—

|                                                            | RS. |
|------------------------------------------------------------|-----|
| 1. Repair to boundary pillar at Sonnapore and Barwa ... .. | 115 |
| 2. Repairs to Barwa Sea Customs Office ... ..              | 30  |
| 3. Repairs to Sea Customs House, Gopulpore ... ..          | 10  |
| Total ...                                                  | 155 |

On the whole the expenditure is within the allotment.

44. *Communications.*—The whole of the amount expended under this head was for the repairs of the following Maliah roads under the Special Assistant Agent:—

|                                                                    | Allotment. | Expenditure. |
|--------------------------------------------------------------------|------------|--------------|
|                                                                    | RS.        | RS.          |
| 1. Road between Baliguda and Udayagiri ... ..                      | 1,000      | 1,000        |
| 2. Maintenance of road between Baliguda and Iobarnasingi... ..     | 2,300      | 2,300        |
| 3. Repairs to road from Udayagiri to Baliguda via Kusadundy ... .. | 600        | 600          |
| Total ...                                                          | 3,900      | 3,900        |

45. The allotments in question were made by the Agent out of the grant (Rupees 23,400) sanctioned by Government in their Order, dated 25th February 1876, No. 402, Financial Department, and they have been fully utilized.

46. The Special Assistant Agent reports that all the repairs were thoroughly executed.

47. *Local Funds, New Works.*—The particulars of expenditure on new works from Local Funds are as follow:—

|                                                         | Allotment. | Expenditure. |
|---------------------------------------------------------|------------|--------------|
|                                                         | RS.        | RS.          |
| <i>Communications.</i>                                  |            |              |
| By Public Works Department. { Chetterpore Circle ... .. | 50,006     | 33,520       |
| { Chicacole Circle ... ..                               | 28,691     | 14,754       |
|                                                         | 78,697     | 48,274       |
| By Revenue Department ... Chetterpore Circle... ..      | 330        | 330          |
| Total Communications ...                                | 79,027     | 48,604       |
| <i>Educational.</i>                                     |            |              |
| By Revenue Department ... { Chetterpore Circle ... ..   | 195        | 195          |
| { Chicacole Circle .. ..                                | ...        | ...          |
|                                                         | 195        | 195          |
| <i>Sanitary and Miscellaneous.</i>                      |            |              |
| By Public Works Department. { Chetterpore Circle ... .. | 5,519      | 6,862        |
| { Chicacole Circle ... ..                               | 5,933      | 4,098        |
| Total ...                                               | 11,452     | 10,960       |
| Grand Total ...                                         | 90,674     | 59,759       |

48. *Communications.*—The following were the communications on which the sum of Rupees 48,604 was spent:—

|                                                                                                | Allotment. | Actuals. |
|------------------------------------------------------------------------------------------------|------------|----------|
|                                                                                                | RS.        | RS.      |
| <i>Chetterpore Circle.</i>                                                                     |            |          |
| 1. Road from a point on Aska and Surada line to Surla platform ... ..                          | 1,200      | 1,172    |
| 2. Constructing a bridge over Korakore Nulla and deviation line on Aska and Ganjam road ... .. | 13,954     | 10,378   |
| 3. Construction of road from Trunk road to Goppili via Mandasa ... ..                          | 10,000     | 9,712    |
| 4. Widening the approaches of Rushikulya river bridge..                                        | 150        | 149      |
| 5. Lengthening the side splay or retaining walls of the Rushikulya river bridge ... ..         | 13         | 13       |
| 6. Construction of a bridge on Kalingia road ... ..                                            | 1,400      | 2,226    |
| 7. Construction of a culvert on Aska and Berhampore road                                       | 11,159     | 321      |
| 8. Reformation of Trunk road... ..                                                             | ...        | 9,236    |
| 9. Surveying the Biridi road ... ..                                                            | ...        | 52       |
| 10. Constructing a bridge over Woostya Nulla in the 25th mile of Balipadra road ... ..         | 4,730      | 113      |
| 11. Improvements to fords in the Gumsur and Aska Taluqs.                                       | 150        | 88       |
| 12. Widening the Trunk road No. 6 at Chetterpore ... ..                                        | 330        | 330      |
| 13. Construction of a ferry boat at Pattupore... ..                                            | 250        | 60       |
| 14. Do. of two bridges on Aska and Surla road.                                                 | 7,000      | ...      |
| Total ...                                                                                      | 50,336     | 33,850   |
| <i>Chicacole Circle.</i>                                                                       |            |          |
| 15. Improving the sandy portions of Trunk road No. 6, near Madapam and Nowpada ... ..          | 8,400      | 6,042    |
| 16. Road from Chicacole to Mafuzbunder ... ..                                                  | 2,000      | 995      |
| 17. Improvements to Chintada and Gara road ... ..                                              | 1,627      | 1,623    |
| 18. Completing the bridge across Medagantula Gadda on Paleonda road ... ..                     | 81         | 81       |
| 19. Platforms on Local Fund roads ... ..                                                       | 2,482      | 121      |
| 20. Reforming the 13th and 14th miles of Calingapatam road ... ..                              | 2,270      | 999      |
| 21. Construction of masonry tunnels on Trunk road ... ..                                       | ...        | 319      |
| 22. Do. on Chintada and Gara road ... ..                                                       | 360        | 359      |
| 23. Road from Trunk road to Goppili via Mandasa ... ..                                         | 2,990      | 438      |
| 24. Branch road to Mokhalingam from Tekkali to Hira-mandalam road ... ..                       | 2,000      | 1,214    |

|                                                                                   | Alloiment.<br>Rs. | Actuals.<br>Rs. |
|-----------------------------------------------------------------------------------|-------------------|-----------------|
| 25. Road from Calingapatam road to join Mafuzbunder Road<br>via Arasavilly ... .. | 1,299             | 1,145           |
| 26. Road from Srikurmam to Chicacole and Calingapatam<br>road ... ..              | 165               | 200             |
| 27. Road from Pedda Jagannadhapore to Pattupore ... ..                            | 422               | 419             |
| 28. Tunnels in the 8th mile of Trunk Road ... ..                                  | 170               | 167             |
| 29. Tunnels in the 2nd mile of Calingapatam road ... ..                           | 115               | 115             |
| 30. Constructing masonry works on Calingapatam road ... ..                        | ...               | 517             |
| 31. Construction of village roads... ..                                           | 4,000             | ...             |
| 32. Petty works ... ..                                                            | 310               | ...             |
| Total ...                                                                         | 28,691            | 14,754          |
| Grand Total ...                                                                   | 79,027            | 48,604          |

49. CHETTERPORE CIRCLE.—(1.) *Aska and Surla Road*.—The estimated amount for this work, including the provision made for compensation for land taken up, was Rupees 1,12,225. The actual expenditure from its commencement, excluding the amount paid for compensation, was Rupees 1,02,053. The actual amount paid by the Revenue Department as compensation for lands taken up for this road is Rupees 3,473. The total amount expended on this road thus amounted to Rupees 1,05,526. The road has been reported to have been completed.

50. *Constructing a bridge over Karakori Nulla and Deviation Line on Aska and Ganjam Road*.—The original estimate for this work was Rupees 34,650, of which Rupees 33,996 were spent up to the end of 1875-76—*vide* paragraph 30 of the Public Works Report for 1875-76, recorded in G.O., dated 20th November 1876, No. 3,089, Public Works Department. The balance of Rupees 654 was sanctioned in the list of incomplete works for expenditure in the year under report—*vide* Board's Proceedings, No. 2,495, of 3rd October 1876. In the meantime a supplemental estimate, amounting to Rupees 13,300, was submitted and sanctioned, and the following appropriation of funds was sanctioned: Rupees 2,133 from the Road Fund reserve, Rupees 6,406 from the General Fund Balance, and Rupees 4,761 from the savings in the allotments—*vide* (1) G.O., of 13th February 1877, No. 540, Financial Department, and the Board's Proceedings thereon, dated 20th March 1877, No. 1,257; (2) Board's Proceedings, dated 21st April 1877, Miscellaneous No. 5,869; and (3) Board's Proceedings, dated 19th June 1877, Miscellaneous No. 8,813. The total allotment for the work during the year under report thus amounted to Rupees 13,954, of which Rupees 10,378 were expended. It will thus be seen that the full amount of appropriations was not utilized, nor was the work completed. The District Engineer attributed this to the difficulty of obtaining labor. The bridge is stated to have been completed with the exception of turving the approaches, which, it is said, could not be done during the hot weather. It has been reported that all the minor masonry works have been completed according to the estimate, that earth-work of the road has also been completed to the whole length, metalling and gravelling to the extent of  $4\frac{1}{2}$  miles, and that materials were being collected for the remaining work.

51. *Construction of road from Mandasa to Goppili*.—This road lies partly in the Chetterpore Circle and partly in the Chicacole Circle (*vide* Nos. 3 and 23 in the list above). The estimate for the whole road amounts to Rupees 53,000, of which Rupees 48,010 appertains to the portion lying in the Chetterpore Circle. The total amount of expenditure on this work in the Chetterpore Circle from its commencement up to the end of the year under report was Rupees 16,734. The allotment for the year under report almost expended, and the progress made is reported as follows:—

“Earth-work up to the 8th mile done; gravel to the full extent ready in 3rd, 4th, and 5th miles; metal collected in 1st, 2nd, and 3rd miles, and 300 cubic yards carted to road sides, also 300 cubic yards of gravel dug in those miles; one bridge of 15 feet span completed and eighty of 20 feet span completed except arches; one tunnel of 6 feet span and nine of 3 span completed.”

52. *Widening the approaches of the Rushikulya River Bridge; lengthening the side splay or retaining walls of the Rushikulya Bridge*.—The allotment sanctioned for these works were fully utilized. Nothing is said by the District Engineer as to the progress of the work; it appears, however, that a greater part of the work was done during 1875-76, and the rest completed during the year under report.

53. *Construction of a Bridge over Calingia Road*.—The whole expenditure on this work up to the end of the year under report, including the amount expended in 1875-76, amounted to Rupees 2,885 against Rupees 2,900 of the original estimate. The work, is said to be still incomplete. The District Engineer states that he means to send a revised estimate for the work, as the site of the bridge had to be changed, and rock was met with in excavating foundations, &c. With regard to the excess expenditure over the allotment during the year under report—*vide* Revenue Board's Proceedings, dated 27th April 1877, Miscellaneous No. 6,231, requesting the Controller of Public Works Accounts to admit the charge. This work was again before the Local Fund Board at their last Meeting, and further information was called for from the District Engineer.

54. *Construction of Culverts on Aska and Berhampore Road*.—The estimate for this work, amounting to Rupees 326, was sanctioned in 1875-76, and the full amount allotted during that year (*vide* Board's Proceedings, dated 6th August 1875, Miscellaneous No. 7,079). The allotment was not, however, utilized in that year, and the work was completed during the year under report without any allotment being made.

55. *Reformation of Trunk Road*.—The short outlay on the work as compared with the allotment is stated to be owing to the work not having been commenced by the Public Works Department till the 15th September 1876. It was once contemplated by the Chetterpore Local Fund Board to give out this work on contract, but the proposal was ultimately abandoned. The Public Works Department then took it up. The work done consists of the collection of gravel. The original allotment for this work was Rupees 15,920, of which Rupees 4,761 have been transferred to item No. 2 agreeably to Board's Proceedings quoted in paragraph 49. The allotment has thus been reduced to Rupees 11,159.

56. *Surveying the Biridi Road*.—The Local Fund Board wished to ascertain whether it would be practicable to construct a road from Biridi to a point on the Aska and Ganjam road. The survey was, therefore, made at the Local Fund Board's request. The Local Fund Board has, however, since abandoned the idea of making a road here at present owing chiefly to want of funds. The Local Fund Board allotted a sum of Rupees 100 in 1875-76 for this survey, but it was not spent in that year, and the expenditure has been incurred without an allotment being made.

57. *Construction of a Bridge over Woostya Nulla*.—The District Engineer states that “the short outlay on this work is owing to there being water in the bed of the Nulla up to the end of February 1877 and to the prevalence of cholera.”

58. (1). *Improvements to fords in Gumsar and Aska Taluqs*. (2). *Widening the Trunk Road at Chetterpore*.—Nothing has been said by the District Engineer with regard to these works. The first was sanctioned by the Local Fund Board on an emergent estimate being submitted by the District Engineer, and was executed by the Public Works Department. “The second work was executed by the Revenue Department, and the allotment has been fully utilized. The part of the Trunk road in Chetterpore has been widened, metalled, and gravelled.”

59. *Construction of a ferry boat at Pattupore*.—The District Engineer states that this will be ready in time for the monsoon.

60. The sum of Rupees 7,000 allotted for bridging the streams on Aska and Surla Road was surrendered (*vide* Board's Proceedings, dated 12th October 1876, No. 2,564).

61. CHICACOLE CIRCLE.—*Improving the sandy portions of Trunk Road near Madapam and Narpada*.—The unexpended balance of the allotment of this work as well as of works Nos. 16, 19, 20, 23, and 24 in the above list was transferred

by the Circle Board to certain works of a more emergent character which were necessitated by the heavy damage caused by the cyclone of October 1876 (*vide* Board's Proceedings, dated 26th April 1877, No. 1,928, and paragraph 2 of Mr. Master's letter therein recorded). The transfers require to be formally sanctioned by Government. It is stated that four masonry works of different dimensions were constructed. Earth-work to the extent of 5 miles 4 furlongs, turfing 1 mile 4 furlongs, and metaling and gravelling to the extent of 4 furlongs were completed; 4,591 cubic yards of metal and 217 cubic yards of gravel were collected.

62. *Road from Chicacole to Mufuzbunder.*—Eight culverts and five bridges of different dimensions were completed besides earth-work and turfing to the extent of 4 miles and 2½ furlongs.

63. *Improvements to Chintala and Gara Road.*—The allotment has been almost fully utilized and the work reported to be completed.

64. *Completing the Bridge across Medagentula Gadda on Palconda Road.*—The estimate for this work was Rupees 670, of which Rupees 589 were spent during 1875-76, and the remaining amount, Rupees 81, was allotted and spent during the year under report. The work is completed.

65. *Platforms on Local Fund Roads.*—Platforms have been thrown out in 20 miles for the deposit of material; the short expenditure is explained in paragraph 5 *supra*.

66. *Reforming the 13th and 14th miles of Calingapatam Road.*—The 14th mile was reformed with metal and gravel, and the rest of the allotment given up for other works, paragraph 60.

67. *Construction of Masonry Tunnels on Trunk Road.*—The estimate for this work, which amounts to Rupees 2,835, was not sanctioned by the Local Fund Board, nor was any allotment made for the work. The Executive Engineer's explanation is that the work was put on hand to some inconvenience to traffic. Two tunnels were built in the 14th and 17th miles of the road.

68. *Construction of Masonry Tunnels on Chintala and Gara Road.*—This was completed within the allotment grant.

69. *Road from Trunk Road to Goppili vii Mandasa.*—Three tunnels of different dimensions were completed besides earth-work to the extent of three-quarter mile, and 200 yards of road metalled and gravelled. The short outlay is explained in paragraph 60.

70. *Branch Road to Mokhalingem from Tekkali and Hiramandalam Road.*—Earth-work to the extent of 4 miles was completed and 3,393 running yards of the road were turfed. For short outlay—*vide* paragraph 60.

71. *Road from Calingapatam Road to join Mufuzbunder Road vii Arasavelly.*—The allotment appears to have been fairly utilized. Earth-work and turfing to the extent of 1 mile, 1 furlong, and 90 running yards was completed, three-quarter mile of the road was metalled and gravelled, and two cutverts were completed.

72. Works from 26 to 29 were completed and work No. 30 was still in progress. The estimate for the latter is Rupees 1,313, of which Rupees 517 were spent during the year under report. It was constructed in anticipation of allotment of funds which has since been made by the Local Fund Board, but which has yet to be formally sanctioned by Government—*vide* Board's Proceedings, dated 26th April 1877, No. 1,928.

73. *Educational.*—The sum of Rupees 195 shown against this head was the expenditure incurred in constructing a school at Sompetta. The expenditure up to the end of the year under notice is Rupees 525 against an estimate of Rupees 460. The cause of excess of expenditure over estimate is the work having been left for a long time half finished. The work was originally undertaken from funds raised by subscription which, however, proved insufficient for the purpose. Eventually the Local Fund Board took up the work which was completed previous to the year under report, and the building is now in use.

74. *Sanitary and Miscellaneous.*—The following are the works executed under this head:—

|                                                                                                    | Allotment.<br>RS. | Actual's<br>RS. |
|----------------------------------------------------------------------------------------------------|-------------------|-----------------|
| <i>Chetterpore Circle.</i>                                                                         |                   |                 |
| 1. Filling a pond to the south of the Sub-Magistrate's Cut-cherry, Purushottapore ... ..           | 21                | 21              |
| 2. Planting avenues on road sides ... ..                                                           | 2,000             | 2,000           |
| 3. Clearing rubbish from the Chetterpore tank and bund constructing a road with two sluices ... .. | 32                | 32              |
| 4. Raising approaches to the drainage sluice at Russelcondah                                       | 78                | 78              |
| 5. Cutting a channel in the Rushikulya river at Aska and constructing temporary groynes ... ..     | ...               | 1,482           |
| 6. Converting a rest-house at Mojahgada into a Travellers' Bungalow ... ..                         | 388               | 249             |
| 6½. Purchase of a Travellers' Bungalow at Gopaulpore ... ..                                        | 3,000             | 3,000           |
| Total ...                                                                                          | 5,519             | 6,862           |

|                                                   |        |        |
|---------------------------------------------------|--------|--------|
| <i>Chicacole Circle.</i>                          |        |        |
| 7. Avenues on Local Fund Roads ... ..             | 2,000  | 2,000  |
| 8. Groynes in Langulya river ... ..               | 652    | 72     |
| 9. Boury at Narasannapetta ... ..                 | 209    | 101    |
| 9. Boury at Narasannapetta ... ..                 | 660    | 659    |
| 10. Travellers' Bungalow at Narasannapetta ... .. | 1,412  | 770    |
| 11. Construction of rest sheds ... ..             | 1,000  | 496    |
| 12. Construction of Traveller's sheds ... ..      | ...    | ...    |
| Total ...                                         | 5,933  | 4,098  |
| Grand Total ...                                   | 11,452 | 10,960 |

75. Of the twelve works in the above list six, viz., Nos. 1, 3, 4, 5, 8, and 10 were completed. No. 6 was in progress. Of the rest sheds and travellers' sheds included in Nos. 11 and 12, one was completed and five were nearly so, and the rest (eight in number) appear to be in progress; and materials for the others (eight in number) were in course of collection. No reason has been assigned for the short outlay as compared with the allotment. Avenue plantations (2) and (7) in the list are said to be in good condition; 9,015 trees were planted during the year under report on road sides and in the nurseries in the Chetterpore Circle. A sum of Rupees 1,482 was, as will be seen, spent on item No. 5 without an allotment. For explanation of this item—*vide* G.O., dated 10th February 1877, No. 502. The purchase of Travellers' Bungalow at Gopaulpore (No. 6½) has been effected—*vide* Board's Proceedings, dated 20th November 1876, No. 2,894.

76. *Local Fund Repairs.*—The particulars of expenditure on repairs from Local Funds are as follow:—

|                                                        | Allotment.<br>RS. | Expenditure.<br>RS. |
|--------------------------------------------------------|-------------------|---------------------|
| <i>Communications.</i>                                 |                   |                     |
| By Public Works Department ... {Chetterpore Circle ... | 50,436            | 48,372              |
| ... {Chicacole Circle ...                              | 40,350            | 50,035              |
| Total ...                                              | 90,786            | 98,407              |
| <i>Sanitary and Miscellaneous.</i>                     |                   |                     |
| By Public Works Department. {Chetterpore Circle ...    | 762               | 828                 |
| ... {Chicacole do. ...                                 | 590               | 463                 |
| Total ...                                              | 1,352             | 1,291               |
| Grand Total ...                                        | 92,138            | 99,698              |

77. *Communications.*—The following are the works repaired during the year under report:—

|                                                                                  | Maintenance Grant. | Extra Grant. | Total. | Actuals. |
|----------------------------------------------------------------------------------|--------------------|--------------|--------|----------|
| <i>Chitterpore Circle.</i>                                                       | RS.                | RS.          | RS.    | RS.      |
| 1. Great Northern Trunk Road ...                                                 | 13,050             | 2,365        | 15,415 | 14,673   |
| 2. Road from Purushottapore to Gopaulpore...                                     | 1,600              | 333          | 1,933  | 1,698    |
| 3. Do. from Aska to Ganjam via Purushottapore ...                                | 3,000              | 984          | 3,984  | 3,974    |
| 4. Road from Aska to Sonnapore ...                                               | 4,500              | 929          | 5,429  | 4,531    |
| 5. Do. from Gopaulpore to Kallingia ...                                          | 11,180             | 649          | 11,829 | 11,852   |
| 6. Do. from Aska to Pippaloponka...                                              | 3,000              | 198          | 3,198  | 3,198    |
| 7. Do. from do. to Korcholli via Ballipadra ...                                  | 2,700              | 266          | 2,966  | 2,878    |
| 8. Road from Ballipadra to Russelcondah ...                                      | 1,650              | ...          | 1,650  | 1,648    |
| 9. Loop lines at Berhampore ...                                                  | 500                | ...          | 500    | 501      |
| 10. Branch lines from Trunk Road No. 6 to the Port of Barwa ...                  | 900                | 368          | 1,268  | 1,268    |
| 11. Loop lines at Chitterpore ...                                                | 300                | ...          | 300    | 300      |
| 12. Branch lines at Ganjam ...                                                   | 450                | ...          | 450    | 450      |
| 13. Road from Russelcondah to Kulladah ...                                       | 400                | ...          | 400    | 400      |
| 14. Branch line at Aska ...                                                      | 200                | ...          | 200    | 182      |
| 15. Repairs to bridge across Godahallo River at Injelly ...                      | ...                | 544          | 544    | 519      |
| 16. Removing sand from the Port at Gopaulpore ...                                | 300                | ...          | 300    | 300      |
| Total ...                                                                        | 43,730             | 6,706        | 50,436 | 48,372   |
| <i>Chicacole Circle.</i>                                                         |                    |              |        |          |
| 17. Trunk Road ...                                                               | 8,750              | ...          | 8,750  | 9,478    |
| 18. Road from Chintada to Gara ...                                               | 1,500              | ...          | 1,500  | 1,496    |
| 19. Do. from Chicacole to Calingapatam ...                                       | 2,430              | 70           | 2,500  | 2,496    |
| 20. Do. from do. to Paleonda ...                                                 | 1,560              | 287          | 1,847  | 1,847    |
| 21. Do. from Jarjanti to Jagannadhapore ...                                      | 1,800              | 160          | 1,960  | 3,015    |
| 22. Do. from Alikam to Battili ...                                               | 6,060              | ...          | 6,060  | 2,572    |
| 23. Do. from Calingapatam to Paleonda via Narsannapetta and Sarwakota ...        | 4,440              | 22           | 4,462  | 7,255    |
| 24. Road from Nowpada to Kemidy via Malapeta ...                                 | 3,190              | 281          | 3,471  | 4,308    |
| 25. Road from Tekkali Raghannadhapore to Hiramandalum via Temboor ...            | 2,590              | 78           | 2,668  | 3,178    |
| 26. Road from Poody to Varanasy via Purla Kemidy ...                             | 3,950              | ...          | 3,950  | 2,323    |
| 27. Road from Addubhangi on Varanasy road to Addubhangi on Paleonda boundary ... | 1,400              | ...          | 1,400  | 3,560    |
| 28. Road from Bommali to Raghannadhapore ...                                     | 460                | ...          | 460    | 1,526    |
| 29. South approach road to Chicacole bridge ...                                  | 180                | ...          | 180    | 463      |
| 30. Branch road to Srikurmam from Chicacole to Calingapatam ...                  | 130                | ...          | 130    | 322      |
| 31. Road from Pata Chicacole to Mafuzbunder ...                                  | ...                | ...          | ...    | 124      |
| 32. Repairs to Chicacole bridge ...                                              | ...                | 452          | 452    | 615      |
| 33. Miscellaneous Repairs ...                                                    | 560                | ...          | 560    | 293      |
| Total ...                                                                        | 39,000             | 1,350        | 40,350 | 803      |
| Grand Total ...                                                                  | 82,730             | 8,056        | 90,786 | 50,035   |

78. Almost all the roads in the district suffered a great deal by the heavy rains in October. Extra grants were consequently necessitated to put them in order. Six

arches of the Chicacole river bridge came down. With the exceptions hereunder mentioned all the roads have since been restored to order. The roads in the Chicacole Circle, though injured by far to a greater extent, were properly restored to the sacrifice of certain new works.

79. *Trunk Road, portion in the Chittore Circle.*—The following is the remark of the District Engineer with regard to this road:—"The road maintained in good order throughout the year; 23rd, 24th, 25th, 26th, and 27th miles of the Trunk Road (North) are in bad order, and for reforming them materials are being collected. The road from Berhampore to Itchapore, 27th and 28th miles, are in bad order." The Principal and Senior Assistant, however, states that the road is in anything but good order from Berhampore southward.

80. *Road from Aska to Ganjam.*—The District Engineer says that the road was maintained in good order with the exception of 11th, 16th, 17th, 25th, 26th, 27th, and 28th miles which were damaged by the heavy rains in October. Necessary funds were however, placed at the disposal of the Public Works Department to repair the road but not fully utilized owing to the late date of (March) the receipt of sanction for allotment.

81. *Road from Purushottapore to Gopaulpore.*—This road was slightly injured by the rains of October 1876, and necessary steps were taken for its repair.

82. *Road from Aska to Karcholli.*—This was much injured by heavy rains and by heavy traffic. It is under the consideration of the Local Fund Board to reform the road.

83. *Road from Ballipadra to Russelcondah.*—This was much damaged by the heavy rains of last year in 2nd, 3rd, 11th, 14th, and 15th miles; an emergent estimate was passed by the Local Fund Board. The repairs, however, were not completed within the year.

84. *Road from Allikam to Battili.*—The whole length of the line was kept in good order excepting the portion between Battili and Kotturu.

85. The expenditure on works Nos. 17, 19, 20, 21, 22, 27, 28, 29, 31, and 33 appears in excess of the allotment as the allotments subsequently sanctioned by the Local Fund Board, vide paragraph 60, have not yet been formally sanctioned by Government.

86. *Sanitary and Miscellaneous.*—A sum of Rupees 1,291 was expended during the year under report under the head Sanitary and Miscellaneous out of an allotment of Rupees 1,352. The following is the list of works repaired during the year:—

|                                                           | Allotment. | Actuals. |
|-----------------------------------------------------------|------------|----------|
| <i>Chitterpore Circle.</i>                                | RS.        | RS.      |
| 1. Repairs to rest sheds ...                              | 266        | 244      |
| 2. Do. to Travellers' Bungalow at Injelly with a shed ... | 52         | 52       |
| 3. Do. do. at Itchapore ...                               | 21         | 34       |
| 4. Do. do. at Cunchilly ...                               | 43         | 28       |
| 5. Do. do. at Haripore ...                                | 30         | 22       |
| 6. Maintaining the drainage work at Ganjam ...            | 300        | 255      |
| 7. Repairing Tripasur Nulla at Aska ...                   | 50         | 50       |
| 8. Mejjagada Travellers' Bungalow ...                     | ...        | 143      |
| Total ...                                                 | 762        | 828      |
| <i>Chicacole Circle.</i>                                  |            |          |
| 9. Patruni tank at Sarvakota ...                          | 457        | 390      |
| 10. Garabanda Patruni tank ...                            | 89         | 42       |
| 11. Civil Dispensary, Kemidy ...                          | 44         | 19       |
| 12. Travellers' Bungalow Narsannapetta ...                | ...        | 12       |
| Total ...                                                 | 590        | 463      |
| Grand Total ...                                           | 1,352      | 1,291    |

Works Nos. 1, 2, 5, 7, 10, and 12 were completed. Item No. 11 completed except painting. The other works are in progress.

From J. G. HORSFALL, Esq., Officiating Collector of Ganjam, to H. E. STOKES, Esq., Secretary to the Board of Revenue, dated Chatterpore, 26th October 1877, No. 3,591.

I HAVE the honor to forward herewith the statements\* called for in Board's official memorandum, No. 1,539, dated

- \* 1. Statement showing the progress of the Public Works in the Ganjam District for the official year 1876-77.
  - 2. List of works in progress in the Ganjam District for the official year 1876-77.
- 19th ultimo, and to state that the delay in the submission of these statements is owing to the necessary particulars having been received from the District Engineer only on the 19th instant.

ENCLOSURES Nos. 1 and 2. - Statements.

SUBMITTED for the information of Government.

2. The report shows considerable improvement in the matter of utilization of funds as compared with the results of the previous year, the percentage of outlay to total grants under all heads in 1876-77 having been 93 per cent. against 81 per cent. in 1875-76. Under the head of Imperial the grant was exceeded and Provincial Funds were almost fully utilized, but the expenditure from Local Funds under New Works was only 66 per cent. of the allotment. The short outlay appears to have been due to the difficulty of procuring labor owing to the prevalence of cholera and to the postponement of some works budgeted for. No remarks appear to be called for on the particular works in progress; the report is, however, much too detailed; a more general review of the requirements of the district and the manner in which the expenditure of the year has conducted to meet them is what is required.

(True Copies and Extract.)

To the Secretary to Government, Public Works Department,  
with two original statements to be returned.  
the Collector of Ganjam.  
Copy to the Secretary to Government, Revenue Department.

Sub-Secretary.

Recd 15 B 28  
14-12-77

D. F. Ganjam.

D. F. Ganjam with 1/11 B 2 Pro.  
C. E. Ganjam

RECEIVED, 30th OCTOBER 1877, No. 4,875.

MADRAS.

1877.

Board of Revenue

13-12-77

Received

OCTOBER.

No. 4,875.

Public Works—executed in Ganjam District during 1876-77.—Submitting to Government Collector's report on—

Recd 3/12 1877

Encl.

Recd 20 November 1877

4626: hns/pj JB Br 220

*Ch 1916*

Subl. of (1877) ~~1877~~

PUBLIC WORKS.

To

*Mr H. L. Gangan*

Dated

Issued

Recd.

Encl.

G. O., 26. Nov 1877, No. 1784W

221

Nov. 220-221

Public Works in Gangan

Dr. Prop Board of Revenue  
Submitting Collectors report  
with progress of — during  
1876-77. Curried to the D. Engr.

*Entrusted to*