(1) Number of pages 40

(2) Date of repair 8-6-87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W DEPARTMENT

G.O. No. 724-W Press.
B.P. No. Mis.

Dated 6-3-1883 198 .

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 35.

READ—the following letter from G. T. WALCH, Esq., Officiating Superintending Engineer, First Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 22nd February 1883, No. 313 G.N.:—

I have the honor to forward, herewith, for the sanction of Government, a revised estimate, amounting to Rs. 5,128, together with a comparative statement, for "converting the terraced roof of the Tahsildar's Cutcherry at Russelkonda into tiled one and repairs to the building." The original estimate (Rs. 3,179) for the work was sanctioned in G.O., No. 272 W., dated 18th January 1878.

1 Abstract Estimate.
1 Comparative Statement.
2 Extracts.
1 Specification.
1 Report.

2. The reasons for the excess (Rs. 1,958) over the original estimate are stated in the comparative statement above quoted.

3. Of the excess, Rs. 925 * are due to work not in the original estimate at all, but which it is necessary or advisable to do whilst the "re-roofing" is being carried out, and the balance, Rs. 1,033, *plus* Rs. 22 for work provided for in original estimate but not wanted, gives the excess due to increased quantities and rates in connection with work which was provided for.

	Rs.
* Cut stone on verandah pillars	20
Pointing floor	94
New doors and windows	59
Repairs of old do.	88
Do. gate	7
Scaffolding	170
Sheds	60
Clearing site, &c.	80
Petty supervision	248
	775
Add deduction in original estimate for price of old materials not permitted by Examiner	150
	925

4. The chief items of this excess are Rs. 702-6-0 on *wood*-work, the rate for which was undoubtedly too small considering the competition there now is for timber and the difficulty of getting skilled labor at the place, and Rs. 141 on tarring wood-work, which it appears advisable to do thoroughly instead of to the extent only Rs. 5 as originally provided for.

5. As to some of the other increased rates, my opinions and the Divisional Officer's explanations are given in the accompanying extracts.

6. The iron-work, to the cost of which I took exception, was, it appears, chiefly done whilst the division was in charge of the officer who died at the end of last May, and to that unfortunate occurrence and the consequent changes in the charge of the division may in some measure be attributed the slowness of the work which has added to its cost, and under the circumstances I recommend the sanction of the revised estimate.

No. 36.

Order—dated 6th March 1883, No. 724 W., Public Works.

The revised estimate, amounting to Rs. 5,128, for converting the terraced roof of the Russellkonda Taluk Cutcherry into a tiled one, is sanctioned.

2. The excess of Rs. 1,958 over the original estimate for Rs. 3,170, sanctioned in G.O., No. 272 W., dated 16th January 1878, is explained in the Superintending Engineer's letter above recorded.

3. Funds have been provided for the completion of the work in the Provincial Budget for 1883-84, Item No. 12.

4. This sanction has been registered as Provincial No. 258 W. of 1882-83 and classified as Civil Buildings, Original Works. Provincial No. 252 B. of 1877-78 is cancelled.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, First Circle, with three Enclosures.
" Examiner, Public Works Accounts, with Abstract Estimate.
" Revenue Department.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1883] Madras.

PUBLIC WORKS.

Dated March, 6th.

Read. *Read.*

G.O., 6th March 1883, No. 724 W.

MARCH.
Nos. 35-36.

Taluk Cutcherry

A revised estimate for converting the terraced roof of the — at Russelikonda into a tiled one, sanctioned.

Proceedings of the Madras Government, Public Works Department,
20th November 1876 No. 3,069.

No. 315 Read the following Proceedings of the Board of Revenue, dated 2nd November 1876, No. 2,723 :—

Read the following letter from C. G. MASTER, Esq., Collector of Ganjam, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Aska, 26th August 1876, No. 2,209 :—

I have the honor to submit my report on the public works of this district for the past official year 1875-76, 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 2,85,907, of which Rupees 2,31,614 were spent, leaving a balance of Rupees 54,293 unexpended.

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

		Expenditure.			Grant for 1875-76.	Increase or Decrease as compared with the Grant.
		In 1874-75.	In 1875-76.	Increase or Decrease.		
		Rs.	Rs.	Rs.	Rs.	Rs.
Imperial	New Works	5,223	5,387	+ 164	5,950	— 563
	Repairs	41,584	44,238	+ 2,654	58,042	— 5,804
	Total	46,807	49,625	+ 2,818	63,992	— 6,367
Provincial	New Works	31,407	24,496	— 6,911	42,716	— 18,220
	Repairs	12,049	16,459	+ 4,410	18,959	— 2,500
	Total	43,456	40,955	— 2,501	61,675	— 20,720
Local	New Works	59,622	74,483	+ 14,861	74,743	— 260
	Repairs	81,430	91,586	+ 10,156	100,104	— 8,518
	Total	1,41,052	1,66,069	+ 25,017	1,74,847	— 8,778
	Grand Total	2,31,315	2,56,649	+ 25,334	3,00,514	— 43,865

4. IMPERIAL NEW WORKS.—The sum of Rupees 5,387 shown as expenditure under "New Works, Imperial" was expended under the following four heads :—

		Allotment. Rs.	Expenditure. Rs.
By Public Works Department	Irrigation	2,500	2,412
	Military	735	958
	Civil Buildings	585	316
By Revenue Department	Salt Works	1,143	1,701
	Total	4,958	5,387

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

—		Number estimated for.	Amount of Estimate.	Outlay.	Number completed.	Number incomplete * and in progress.
			Rs.	Rs.		
Tanks... ...	Sluices	3	510	422	2	
Channels ...	Huts near head sluices ...	8	160	113	4	4
	Surplus sluices or weirs ...	2	675	293	..	2
	Distribution sluices... ...	2	367	295	2	..
	Embankments or dykes ...	3	1,384	1319	2	1
	Total ...	18	3,096	2,442	11	7

* The allotment appears to have been fairly utilized under this head.

6. Little appears to have been done with regard to the reclaiming of the Gonju Tampara and Lakshmipuram Tampara referred to in paragraph 6 of the last year's report recorded in the Board's Proceedings, dated 2nd September 1875, No. 2,467. With regard to the former it is stated that a sum of Rupees 25 was expended in surveying; that the project has not yet been matured, but that all the data that are necessary to mature it have been collected. With regard to the latter project, the Acting Principal Assistant Collector states: "Nothing was done towards the reclamation of the Lakshmipuram Tampara alluded to in the last year's report. A Surveyor was employed on this project for a month, but was soon transferred to the Local Fund Establishment. Therefore the project is still incomplete." A sum of Rupees 1,000 seems to have been granted for surveying the channels under the Vamsadhara (Iyyer) River with the view of bringing them into regimen in accordance with Major Beckley's proposals for an anicut at Hiramandalam; but nothing was expended owing, it is said, to Surveyors not being obtainable.

7. Military.—The outlay on Military New Works consists of the following two items:—

	Allotment. Rs.	Expenditure. Rs.
1. Construction of a Rifle Range for the use of Native Infantry at Berhampore	725	894
2. Construction of Armourer's shop for the use of Native Infantry at Berhampore	...	64
Total ...	725	958

8. The estimate for the item (1) amounts to Rupees 1,500, of which Rupees 775 were expended in the year 1874-75 and Rupees 894 in the year under report. The expenditure exceeded both the estimate and the allotment for the year. The District Engineer states that a supplemental estimate has been submitted for the sanction of Government, and that the work has therefore been postponed. The range however is said to be now in use.

9. The estimate for Item 2 was Rupees 503, of which Rupees 495 were expended in 1874-75. A further sum of Rupees 64 appears to have been spent

without an allotment during the year under report. The District Engineer states that work has been stopped, and a supplemental estimate for certain additions submitted for the sanction of Government.

10. Civil Buildings.—The particulars of the item "Imperial Buildings" are as follows:—

	Allotment. Rs.	Expenditure. Rs.
1. Conversion of the old Sub-Magistrate's Cutcherry at Sompeta into a Post Office	335	316
2. Conversion of the left wing of the Sub-Jail at Hobapore into a Post Office	250	...
Total ...	585	316

The first work (1) is said to have been nearly completed, but the second one (2) was not taken up because the District Engineer states the Government Order allotting Rupees 250 for this work was received too late in the year. The estimate for this work amounts to Rupees 920.

11. Salt.—The sum of Rupees 1,701 shown under the head "Salt, New Works" was expended as follows:—

	Rs.
1. Construction of a Traders' shed at Ganjam	100
2. Do. do. at Berhapore	100
3. Do. do. at Nowpadah	100
4. Do. of 2 do. at Wonnevilly	200
5. Do. of four tatched sheds at Nowpadah	160
6. Sinking wells at Ganjam and Nowpadah	40
7. Digging a tank at Wonnevilly	200
8. Construction of gates to No. 12 Platform at Nowpadah	304
9. Purchase of wood for a boat	140
10. Construction of an enclosure for fish-curing and a shed for Police at Nowpadah...	248
11. Construction of a hutt for Police at Nowpadah	19
Total ...	1,701

Works Nos. 8, 10, and 11 have been completed and the rest are in progress.

As regards the excess expenditure over the allotment (viz., Rupees 1,701 against Rupees 1,148), the Salt Deputy Collector states that the amount "was inadvertently overdrawn by the Wonnevilly Salt Superintendent * * and since refunded." Properly speaking therefore the excess amount has not been really expended.

12. Imperial Repairs.—The expenditure on Imperial Repairs amounted to Rupees 44,538 against an allotment of Rupees 50,042 as particularized below:—

		Allotment. Rs.	Expenditure. Rs.
By Public Works Department ...	Irrigation ...	39,000	33,535
	Military ...	850	705
	Civil Buildings.	103	185
By Revenue Department, ...	Salt	10,000	10,053
	Total ..	50,042	44,538

13. Repairs, Irrigation.—The short outlay on the repairs of Irrigation Works as compared with the allotment is attributed to the late date of sanction for the allotment of funds for certain miscellaneous agricultural repairs. The works repaired consisted of—

	Rs.
6 Embankments costing	18,529
41 Channels and Distributaries	2,767
188 Reservoirs and Tanks	10,239
Total ...	33,535

14. Repairs of Embankments.—Of the expenditure of Rupees 13,529 on embankments, Rupees 6,566 were spent for emergent repairs to the Mahanadi embankment, and Rupees 1,059 for similar repairs to the Rushkooliya embankment, and the remaining Rupees 5,904 on petty repairs to certain minor embankments.

15. The Mahanadi embankment breached during the year under report, and the heavy freshes both in that and the Rushkooliya river caused considerable damage to the town and factory of Aska. The Mahanadi embankment is represented by Messrs. Minchin Brothers and Co. as a constant source of peril, and the Rushkooliya bed is fast filling up with sand to the detriment of the safety of the town. Endeavours to obtain a professional opinion as to what should best be done in the case of the Mahanadi embankment and to construct groynes to avert the threatened evils from the Rushkooliya have not yet been successful. The District Engineer, Mr. Harris, has lately promised to direct his early attention to the subject.

16. Repairs of Channels and of Tanks and Reservoirs.—Of the channels repaired, the principal one was the Byree river channel in the Chicacole Circle, on which a sum of Rupees 1,392 was expended during the year. The total expenditure, including that of the preceding year 1874-75 (viz., Rupees 1,727), amounts to Rs. 3,127 against an estimate of Rupees 3,119. The rest of the expenditure under this head as well as the whole of that under tanks, &c., appears to have been incurred on the repairs of certain works of minor importance. I have lately called upon the taluq officers to inspect the agricultural works (both new works and repairs) and to report whether they have been properly executed. If any thing of importance is brought to light it will be laid before the Board.

17. Repairs, Military.—Of the sum of Rupees 765 shown as expenditure on Military repairs, Rupees 158 were paid to the Berhampore Municipality for the repairs of the Cantonment road at Berhampore, which is stated to have been kept in good order. The remaining Rupees 607 were expended on the under-mentioned works. No reason is given by the District Engineer for the short outlay under this head, which however is comparatively small :—

	Rs.
Repairs to Magazine at Berhampore	5
Alterations to Military Buildings	214
Emergent repairs to Rifle Range	20
Repairs to Guard-room	69
Do. to Military Hospital at Berhampore	70
Do. to Store-room	3
Do. to Military Buildings	161
Do. to Arm-rack of Guard-room in the Hospital	5
Altering Arm-rack in the Store-room	21
Repairs to Powder Magazine	48
Total...	607

Proceedings of the Madras Government, Public Works Department,
20th November 1876. *No.* 3,039.

18. Repairs, Civil Buildings.—Of the expenditure (Rupees 185) shown under repairs of Civil Buildings a sum of Rupees 66 was for the repairs of the Post Offices at Gopalpore and Berhampore, the cost of the former being Rupees 19 and that of the latter Rupees 47. The remaining sum of Rupees 119 was spent for the repairs of boundary pillars at the ports of Soapore and Harveah (Rupees 75), and of the obelisk at Eavanapad (Rupees 44). The allotment (Rupees 192) appears to have been well nigh fully utilized.

19. Repairs, Salt.—The particulars of the repairs of salt works are as follows, according to the statement of Petty Construction and Repairs submitted by the Salt Deputy Collector :—

	Rs.
1. Repairs to Constables' huts at Ganjam	47
2. Special repairs to roads at the Ganjam pans	260
3. Annual repairs to do. do.	200
4. Do. to do. at Itchapore	400
5. Turfing road at Surla	156
6. Additional repairs to do.	300
7. Permanent and Temporary Police Constables' Huts at Itchapore ...	250
8. Annual repairs to roads at Nowpadah	455
9. Turfing roads at do.	110
10. Do. do. at Wemavilly	* 1,247
11. Repairs to Inspector's Bungalow at do.	50
12. Turfing roads at Wemavilly	† 599
13. Removing bunds of Bedabonda at Ganjam	6
14. Repairs to towers and fences at Ganjam	72
15. Do. to mats at do.	175
16. Do. to watch sheds at do.	513
17. Deepening and turfing the ditches at Nos. 1, 2, and 3 Platforms at Itchapore	146
18. Widening and sloping the channel around Platform No. 2 at Nowpadah	144
19. Repairs to a ditch and channel at Nowpadah	828
20. Do. to channels and embankments at do.	1,512
21. Do. to shed at Wemavilly	31
22. Do. to ditches and channels at do.	‡ 1,946
23. Turfing the ends of channels at No. 2 Platform at do.	52
24. Excavating channels and constructing two sluices at Mahchunder	§ 1,170
Total...	10,663

* Estimate ..... Rs. 1,243
† Do. 174
‡ Do. 1,439
§ Do. 1,070

The excess expenditure on Nos. 10, 12, 22, and 24 in the above list has been partly removed and the remainder will be accounted for. All the other works were executed within the estimate. I have lately seen the salt works at Ganjam and found them in good order.

20. Provincial New Works.—The details of the expenditure of Rupees 24,090 on Provincial New Works are as follows :—

	Allotment.	Expenditure.			Allotment.	Expenditure.
	Rs.	Rs.			Rs.	Rs.
* By Department of Public Works	16,000	15,356	By D. P. W.	Buildings ...	9,578	8,330
By Special Assistant Agent	16,400	—		Miscellaneous P. Improvements ...	232	205
	32,400	15,356			9,810	8,535
				Communications ...	32,400*	15,555*
				Total ...	42,210	24,090

21. Provincial Buildings.—The short outlay as compared with allotment on Provincial New Buildings has been ascribed to the giving up as unnecessary of a sum of Rupees 285 out of an allotment of Rupees 2,024 made for the Hill Jail at Rasselkondah, and to the non-utilization of the allotment of Rupees 1,000 made for the construction of a school-house at Parashettapore. As regards the former work (Hill Jail at Rasselkondah) the District Engineer states that the work has been completed according to the estimate sanctioned by Government, but that "the Inspector-General of Jails has found certain faults with the new building which will have to be corrected out of the savings effected." These "faults" have necessitated the doing twice over of work which should have been performed properly at first. Alterations are still in progress. As for the school-house at Parashettapore the District Engineer states that "it is not known at whose request the amount was provided in the Budget" for this work, and that "the Director, to whom the question was referred, stated that there is no prospect of a school building being built there." He also adds that "this was brought to the notice of the Examiner in the Monthly Appropriation Return and of Government in a communication and in the statement of savings and demands," but that "no notice was taken." The Director of Public Instruction desired to know whether the inhabitants of Parashettapore would subscribe any sum for the construction of a school-house, and my Senior Assistant promised to submit definite information on the subject. The Director's reference has therefore yet to be replied to from this office. It is however scarcely probable that any subscriptions would be raised for the purpose.

22. The following are the particulars of the expenditure of Rupees 8,535:—

	Rs.
1. Construction of a Deputy Tahsildar and Sub-Magistrate's Cutcherry at Sompeta	88
2. Additions and alterations to the Tahsildar's Cutcherry at Bernampore	321
3. Construction of Registrar's Office attached to the Tahsildar's Cutcherry at Berhampore	863
4. Improvements to Sub-Magistrate's Cutcherry at Ramely	309
5. Addition of a verandah to the Sub-Magistrate's Cutcherry at Purushottapore	90
6. Platform for keeping the records in the compound of the Tahsildar's Cutcherry at Berhampore	32
7. Putting in a door, &c., to the Treasury-room at Ganjam	86
8. Putting in a door in the verandah of the Sub-Magistrate's Cutcherry at Aska	58
9. Construction of a Subsidiary Jail at Purushottapore	7
10. Additions and alterations to sub-jail at Chatterpore	28
11. Do. do. do. at Chicacole	19
12. Construction of a Police Station-house at Berhampore	172
13. Do. of do. at Pudamari	1,093
14. Alterations to Police Station-house at Haripore	692
15. Construction of a dead-house attached to Police Hospital at Chatterpore...	81
16. Construction of Hill Jail at Rasselkondah	858
17. Do. of a latrine at the Zillah School, Berhampore	1,039
18. Do. of a store-shed at Calingapatam	843

Miscellaneous Public Improvements.

	Rs.
19. Construction of a Signaller's room at Calingapatam	56
20. Sinking a well at do.	149
Total...	8,535

Items 1, 2, 4, 8, 9, 11, 12, 15, 16, 18, 19, and 20 were works commenced in the preceding years and continued on in this. Works 1, 6, 8, 9, 10, 15 and 20 are reported to have been finished and Nos. 7 and 13 to be nearly complete. No. 2 is stopped and a supplemental estimate stated to have been submitted to Government. The superstructure is said to have been raised and wood-work to roof to be in progress. As to No. 3 it is stated that the grant of Rupees 770 has been fully worked up, superstructure raised, and doors and windows fixed. No. 4 is reported to have been completed except the floor, for asphalting which an estimate has been submitted. As to No. 5 it is only remarked that the expenditure has been ordered to be recovered. It is not stated why. No. 11 is said to have been completed except plastering to the coping of compound wall on the east. No. 12 has been stopped and a supplemental estimate for Rupees 330 submitted to Government for sanction. No. 14 is reported to have been completed with the exception of the entrance door which is said to have been rejected. The substitution of a proper one is said to have been ordered. As to No. 16, *vide* paragraph 21 *supra*. As regards No. 17 it is stated that a revised estimate has been submitted to Government for sanction, and that the latrine has been completed. The outlay on No. 18 is short of the grant in consequence, it is said, of the Government Order re-allotting a sum of Rupees 585 having been received just at the close of the year. No. 19 is said to have been nearly completed; and it is added that "the sanctioned revised estimate being received too late in the year it could not be completed."

23. Provincial Communications.—The whole of the sum of Rupees 15,555 shown as expenditure on Provincial Communications was expended in the excavation of the Chilka Canal, the allotment for which was Rupees 16,000. The original estimate for this work was Rupees 1,41,370, of which Rupees 1,10,764 has been spent up to the close of the year under report. The canal has been excavated to the third step inclusive, and the fourth and last step was commenced in February 1876. The canal is now made use of for the carriage of Ganjam salt to the north, and some paddy boats are also coming in from Pooree and Cuttack.

24. The rest of the allotment, viz., Rupees 16,400, for Provincial Communications appertains to Maliah works under the charge of the Special Assistant Agent, and was not utilized under circumstances detailed in G.O., dated 1st June 1876, No. 1,000, Financial Department.

25. Provincial Repairs.—The expenditure on Provincial Repairs is made up of the following:—

	Allotment. Rs.	Expenditure. Rs.
Buildings	6,890*	6,663*
By Special Assist. Agent —Communications ...	7,000	1,800
Total ...	13,890	8,463

	Allotment. Rs.	Expenditure. Rs.
* By Public Works Department	5,090	4,863
By Special Assistant Agent ...	1,800	1,800
Total ...	6,890	6,663

26. The Department of Public Works repaired the following buildings :—

	Rs.
1. Tahsildar's Cutcherry at Russelcondah	799
2. Sub-Magistrate's Cutcherry at Itchapore	127
3. Do. do. at Berhampore	121
4. Sub-Jail at Itchapore	126
5. Do. at Chetterpore	228
6. District Engineer's Office at Chetterpore	11
7. Sub-Divisional Office at Russelcondah	25
8. Range Office at Berhampore	176
9. Do. at Chicacole	174
10. Overseer's Office at Itchapore	57
11. Department of Public Works Bungalow at Ganjam	59
12. Sea Custom-house at Ganjam	110
13. Burial-ground at Ganjam	12
14. Cemetery at Itchapore	31
15. Grave-yard at Berhampore	48
16. Deputy Collector's Office at Chetterpore	23
17. Collector's Office at Chetterpore	9
18. Sub-Magistrate's Cutcherry at Purushottapore	167
19. Grave-yards near Bazar at Berhampore	79
20. Protestant Church at Chicacole	132
21. Sea Custom-house at Poondy	49
22. Sub-Magistrate's Cutcherry at Narasannapeta	89
23. Do. do. at Raghunadhapore	183
24. Principal Assistant Collector's Cutcherry at Chicacole	129
25. Travellers' Bungalow at Itchapore	599
26. Zillah School at Berhampore 27. School-house at Russelcondah	391
28. Do. at Raghunadhapore	6
29. Police Station-house at Hiramandalam	6
30. Do. Office at Chetterpore	13
31. Do. Hospital at do.	192
32. Do. do. at Aska	59
33. Do. Station-house at Injilly	18
	4,442
House-rent of Medical Subordinates	421
Total amount of repairs executed by D. P. W.	4,863

With regard to No. 1 in the above list, Mr. Davidson has left this remark, viz., "the building was in a deplorable state when I saw it in January last." I have lately inspected this remarkable building which has been under repair for years past, though it was only built a short time back. Owing to defects in the timber it has been necessary to support the roof of the main building by massive pillars down the centre of the principal rooms and to add a pillar on either side of *each* pillar in the verandahs. The Cutcherry has always leaked and is full of white ants from top to bottom. It is never likely to give satisfaction to builders or occupants. As to No. 16 all that was done was to put up sixteen temporary wooden supports to keep the building from coming down. This was a mere temporary expedient and extensive repairs are still necessary. The grant for No. 24 appears to have been Rupees 160, while the expenditure was as shown above Rupees 123, and as the Acting Principal Assistant Collector says no explanation is given as to why the grant for this work was not fully utilized. The repairs in Nos. 13 and 18 have been satisfactorily executed. I am not at present able to make any remarks with regard to the other works named, nor did the District Engineer make any.

27. The Special Assistant Agent expended Rupees 1,800 on the repairs of the following buildings in the Maliahs :—

	Rs.
1. Assistant Agent's Office	500
2. Maliah Sub-Magistrate's Cutcherries and Sub-Jails	600
3. Police Assistant Superintendent's House	200
4. Bungalows in the Maliahs, twenty in number	500
Total...	1,800

These buildings have all been kept in order.

28. Provincial Repairs—Communications.—The Special Assistant Agent received from Department of Public Works and expended a sum of Rupees 1,800 for the annual repairs of the ghaut road from Kalingia to Boad frontier, but the remaining sum of Rupees 5,200 was not utilized under circumstances detailed in Government Order referred to in paragraph 24 *supra*.

29. Local Funds—New Works.—The particulars of the expenditure on New Works from Local Funds are as follows :—

		Allotment. Rs.	Expenditure. Rs.
Communications.			
By Public Works Department	Chetterpore Circle	32,751	27,106
	Chicacole "	37,129	23,563
	Total...	69,880	50,269
Educational.			
By Revenue Department	Chetterpore Circle	100	100
	Chicacole "	...	...
	Total...	100	100
Sanitary and Miscellaneous.			
By Public Works Department	Chetterpore Circle	1,774	1,439
	Chicacole "	1,389	1,143
Sanitary and Miscellaneous.			
By Revenue Department	Chetterpore Circle	...	...
	Chicacole "	1,800	1,800
	Total...	4,763	4,182
	Grand Total...	74,743	54,551

30. Communications.—The following is the list of Communications on which the sum of Rupees 50,269 was spent :—

Chetterpore Circle.

	Allotment.	Actuals.
	Rs.	Rs.
1. Road from a point on Aska and Surada line to Surla Platform	2,280	1,182
2. Deviation line on Aska and Ganjam road	18,805	18,139
3. Road from a point beyond the bridge on Mahendra Tanaya river to Goppili *via* Maudasa. (Part lying in the Chetterpore Circle)	5,000	4,640
4. Planting avenues on Road sides	366	1,685
5. Construction of Trunk Road. (Part lying in the Chetterpore Circle)	2,000	525
6. Construction of a ferry boat at Pattupore on Aska and Surla Road	430	200
7. Widening the approaches of Rushkooliya River Bridge.	341	191
8. Lengthening the side apay or retaining walls of the Rushkooliya River Bridge...	569	430
9. Construction of a bridge in the 59th Mile of Kalingia road	2,960	659
Total ..	32,751	27,709

Chicacole Circle.

1. Road from a point beyond the bridge on Mahendra Tanaya river to Goppili *via* Maudasa., (Part lying in the Chicacole Circle)	2,000	884
2. Planting avenues on road sides	3,000	2,662
3. Construction of Trunk Road. (Improving the sandy portions at Madapam and Nowpadah)	5,000	2,527
4. Construction of road from Chicacole to Mafuzbunder ...	9,000	5,614
5. Branch road to Srikoormam	2,000	2,135
6. Converting timber bridges into masonry ones on Tenbore road	100	104
7. Improvements to Chintada and Gara Road	4,077	3,030
8. Construction of tunnels on road from Jagannadhapore to Jirjangi	878	877
9. Completing the bridge across Medagantula gedda on Palakonda road	660	510
10. Construction of groynes in the Langulya river, Chicacole	2,955	2,303
11. Construction of a road to join Mafuzbunder road *via* Arasavilly	2,000	901
12. Construction of a skew bridge across Malala gedda on Pata Chicacole road	632	260
13. Construction of a road from Pedda Jaganadhapore to Pattupore	778	336
14. Improvements to tunnels in the 2*nd* Mile of Calingapatam road	175	139
15. Construction of earthen platforms on sides of roads for depositing materials	2,704	223
	37,120	22,562
Grand Total of two Circles...	69,880	50,269

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CHETTERPORE CIRCLE—(1.) *Aska and Surla Road.*—The estimated amount for this work including the provision made for compensation for land taken up is Rupees 1,12,225. The actual expenditure up to the end of 1874-75 was Rupees 99,699. The total expenditure including that for the year under report (Rupees 1,182) amounts to Rupees 1,00,881. The work is reported to be nearly completed. The Range Officer reports that the short outlay is due to changes among Overseers. An emergent estimate for certain repairs, amounting to Rupees 1,395, was lately sent in for sanction, but the Local Fund Board declined to pass it for want of sufficient explanation. Mr. Davidson* lent the following remark with regard to this road:—

"This is the road for which Lieutenant Lever submitted an emergent estimate for Rupees 1,390 and odd, which Mr. Minchin and I inspected and found no work of any emergency to be done—*Vide* correspondence† about it".

* A sum of Rupees 822 was however expended out of the above emergent estimate of Rupees 1,395 in anticipation of the sanction of the Local Fund Board who sanctioned it at a recent meeting.

† Mr. Davidson's letter to Board, dated 3rd May 1876, No. 1,243, recorded in G.O., dated 23rd June 1876, No. 1,560, Public Works Department.

(2.) *Deviation line on Aska and Ganjam Road.*—The original estimate for this work is Rupees 24,650. The actual expenditure up to the end of the year under report amounts to Rupees 53,976. It is stated that the original estimate has been fully worked out, but that the work has not yet been completed. A supplemental estimate, amounting to the enormous sum of Rupees 13,300, has lately been submitted by the District Engineer to cover certain defects in the original estimate, and the Local Fund Board had no alternative but to pass it in order to have this very important communication completed at an early date. The Local Fund Board's resolution on the subject has been submitted with a separate letter.

(3.) *Road from a point beyond the Bridge on Mahendra Tanaya River to Goppili via Maudasa.*—The estimate for this work is Rupees 53,000. The actual expenditure up to the end of the year under report amounts to Rupees 7,170. The allotment appears to have been nearly expended. Earthwork to the extent of eight miles was completed and jungle cut to the extent of eleven miles. Materials for masonry work are being collected.

(4.) *Planting Avenues on Road sides.*—The actual expenditure during the year under report was Rupees 1,685 against an allotment of Rupees 366. The expenditure thus exceeded the allotment, but no additional allotment was sanctioned by the Local Fund Board for the purpose in consequence of a total failure of the avenue plantation in the Circle. Mr. Davidson has remarked that the expenditure on avenues in the Chetterpore Circle was "almost total waste of money *** owing to inefficient work and supervision. Lieutenant Lever has allowed the nurseries which Mr. Leggatt opened out to die, and there is consequently no reserve of growing trees."

(5.) *Construction of Trunk Road.*—The estimate for remaking the portion of the Trunk Road in the Chetterpore Circle is Rupees 1,25,000. The actual expenditure amounted to Rupees 523 against an allotment of Rupees 2,000. The short outlay is due to the late date on which the work was ordered to be commenced. Materials are in course of collection.

(6.) *Construction of a Ferry Boat at Pattupore on Aska and Surla Road.*—The work is stated to be nearly completed, and nothing is said as to the amount left unexpended.

(7.) *Widening the approach of Rushikooliya River Bridge.*—Earthwork has been finished, approaches widened, bushes cleared, and banks levelled. Turfing remains to be done, and this it is stated is deferred until the rains set in.

(8.) *Lengthening the side splay or retaining walls of the Rushikooliya River Bridge.*—The work is nearly completed and the allotment almost spent.

(9.) *Construction of a bridge on 59th Mile of Kalingia Road.*—The current year's allotment for this work is Rupees 1,500 against the estimate of Rupees 2,000. The expenditure amounts to Rupees 659. The District Engineer gives no reason for the short outlay, but it is apparently owing to the late date on which funds were allotted. Foundations have been nearly excavated and materials collected.

CHICACOLE CIRCLE.—(1.) *Road from a point beyond the bridge on Madras-Tanaya River to Goppili via Mandasa.*—The actual expenditure on this part of the road which lies in the Chicacole Circle is Rupees 534 against an allotment of Rupees 2,000. It is remarked by the District Engineer that the short outlay is due to low rates provided for earthwork in the estimate, to labor having had to be brought from a distance of fifteen miles or more, and to the hilly and feverish nature of the country through which the line runs. With regard to the progress of the work two culverts of 2 feet span have been built, and materials collected for a bridge of 9 feet span.

(2.) *Planting avenues on Road sides.*—The actual expenditure during the year under report was Rupees 2,963 against an allotment of Rupees 3,000. The nurseries and avenues in this Circle are thriving and in good order. Four new nurseries at Nizambad, Raghunadhapore, Gopalpore, and Pata Teekally have been opened in addition to Chicacole, Narsannapeta Gara, Hiramandalam, and Kassibugga; and 11,379 plants were issued from all nurseries to be planted on the sides of different roads in the Circle.

(3.) *Construction of Trunk Road.*—The estimate for improving the sandy portions of the road at Madapam and Nowpadah is Rupees 23,400. The actual expenditure during the year under report amounted to Rupees 2,527 against an allotment of Rupees 5,000. The short outlay is said to be on account of the very late date on which the work was ordered to be commenced. Three culverts of 2 vents 9, 6, and 3' span were built and materials collected.

(4.) *Construction of Road from Chicacole to Mafuzhunder.*—The estimate for this work is Rupees 9,630. The whole amount was placed at the disposal of the Public Works Department to complete the work during the year under report. The actual expenditure amounted to Rupees 5,614, and the balance of Rupees 4,016 was left unexpended, chiefly with a view to admit of the earthwork getting settled by the rains. The District Engineer says that earthwork to the full extent of the line has been completed and that a few masonry works were built.

(5.) *Branch Road to Srikoormam.*—The actual expenditure on the road is Rs. 2,135 against the allotment of Rupees 2,300. The whole amount of the estimate, viz., Rupees 2,300, was placed at the disposal of Public Works Department to complete the work during the year under report. The road has been formed and gravelled to the full extent, a masonry culvert of 6 feet span built, and one old culvert repaired. The gravel requires watering and rolling which will with advantage be done in the rains. No water was, it is said, to be had along the line.

(6.) *Converting Timber Bridges into Masonry ones on Tembore Road.*—These works have been completed.

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(7.) *Improvements to Chintada and Gara Road.*—The estimated amount of this work is Rupees 5,663, of which Rupees 987 were spent in 1874-75. The balance of the estimate, viz., Rupees 4,677, was allotted during the year under report, and the actual expenditure was Rupees 3,050. The short outlay is stated to be owing to the difficulty of procuring bandies to cart metal. It is stated that work in the 11th, 9th, 8th and 7th miles of road has been fully completed; that 1,072 running yards in 6th mile, 370 running yards in 5th mile, and 710 running yards in 4th mile have been completed, and that the rest is in progress.

(8.) *Construction of Road from Jeypauk-pore to Serjapi.*—The estimate for this work is Rupees 2,337, of which Rupees 1,108 were spent in 1874-75. The actual expenditure during the year under report is Rupees 877. The work is completed with the exception of three culverts, which, it is stated, are not required. The balance of the estimate is therefore saved.

(9.) *Completing the Bridge across Mulagondala gedda on Palacondah Road.*—The work has been finished except turfing the side slopes and the gravelling of the road. The allotment has been nearly spent.

(10.) *Construction of groynes in the Languliya River, Chicacole.*—The estimated amount of this work is Rupees 2,955, of which Rupees 2,303 were spent during the year under report. It is stated that a groyne of large boulder stones 350 feet in length, 40 feet broad at the bottom, and 20 feet broad at the top has been raised to a height of about 7 feet; and that an earthen groyne protected by palm trees at intervals of about 5 to 6 feet span was now being thrown up 1,500 feet [illegible] the first mentioned groyne. No explanation is given for the short expenditure.

(11.) *Construction of a Road to join Mafuzhunder Road vid Arasavilly.*—The estimate for this work is Rupees 2,200, of which Rupees 901 were spent. Earthwork has been completed for the whole length of the line, and some culverts were built and materials collected. The short outlay is stated to be due to the difficulty of obtaining bandies and to cattle disease.

(12.) *Construction of stone bridge across Mulala gedda on Pata Chicacole Road.*—The estimate for this work is Rupees 903. The work was completed at a cost of Rs. 632.

(13.) *Road from Peddi-Jogunadhapore to Pathapore.*—A sum of Rupees 356 was spent during the year under report out of an estimate of Rupees 778. The masonry work of a platform bridge has been built and materials are being carted for other works. Earthwork to a length of 300 yards has been completed. The short outlay is attributed to want of bricklayers.

(14.) *Improvements to Tunnels in the 2nd Mile of Calingapatam Road.*—The actual expenditure on this work was Rupees 139 against an estimate and allotment of Rupees 175. The work was completed, and the rest of the amount, viz., Rupees 38, saved.

(15.) *Construction of earthen Platforms on the sides of roads for depositing materials.*—Out of an allotment of Rupees 2,704, Rupees 292 were spent during the year. The short outlay is due to the very late date on which funds were allotted.

31. EDUCATIONAL.—The sum of Rupees 100 shown against this head is for the construction of a school-house at Sompeta in the Chettapore Circle. The original estimate for this work was Rupees 400, and the actual expenditure up to the end of

the year under notice is Rupees 330. The work has been completed and the building is now in use. This work was executed by the Revenue Department.

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

		Abstract Rs.	Actuals Rs.
	Chetterpore Circle.		
1.	Clearing and improving the Cantam Town	350	274
2.	Construction of a culvert on Sompore Road	10	10
3.	Filling a pond near the Sub-Magistrate's Cutchery, Purushottapore	250	182
4.	Construction of a drainage sluice at Russelcondah	700	700
5.	Clearing all rubbish from Chetterpore Tank bund and constructing a road with two sluices	100	39
6.	Alterations to the Police Hospital at Aska to allow of the road in the Aska town being widened	140	120
7.	Raising approaches to the drainage sluice, Russelcondah ...	144	60
	Total ...	1,774	1,439
	Chicacole Circle.		
8.	Draining the town of Calingapatam	70	61
9.	Construction of stone steps to Suryagundam Tank, Arasavilly	220	122
10.	Sinking a well at Narsannapeta	200	60
11.	Construction of a rest-shed at Hiramandalam	120	107
12.	Do. of four travellers' sheds	1,060	1,060
	Total ...	2,380	2,748
	Grand Total ...	4,763	4,187

Out of twelve works entered in the above list, eleven numbered from 1 to 3 and 5 to 9 and 11 and 12, were completed. With regard to the 10th work—*Sinking a well at Narsannapeta*—a sum of Rupees 60 were spent out of an estimate of Rupees 200, and the work had to be stopped in consequence of rock being found and water springs struck at a depth of 8 feet. Work No. 4—*Construction of a drainage sluice at Russelcondah*—was completed, but Mr. Davidson remarks that it has been built "in a wrong place and will probably flood the town." The Local Fund Board have lately called the attention of the District Engineer to this matter. The people complain that its erection is detrimental in several ways, and I fear that additional expenditure will be necessary to undo the mischief which it is likely to cause. It is admitted on all hands to be a mistake.

33. Local Funds—Repairs.—The particulars of expenditure on repairs from Local Funds are as follows:—

		Abstract. Rs.	Expenditure. Rs.
	Communications.		
By Public Works Department.	Chetterpore Circle ...	63,105	59,652
	Chicacole ,, ...	35,760	34,833
	Total ...	98,865	94,485
	Sanitary and Miscellaneous.		
By Public Works Department.	Chetterpore Circle ...	200	168
	Chicacole ,, ...	1,089	933
	Total ...	1,289	1,101
	Grand Total ...	1,00,154	95,586

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34. Communications.—The following is the list of works on which repairs were executed during the year under report:—

		Maintenance Grant.	Extra Grant.	Total.	Actuals.
		Rs.	Rs.	Rs.	Rs.
	Chetterpore Circle.				
1.	Great Northern Trunk Road	13,050	3,610	16,660	15,014
2.	Road from Purushottapore to Gopalpore *viâ* Jagannadhapore	1,600	197	1,797	1,810
3.	Road from Aska to Ganjam *viâ* Purushottapore	3,000	4,544	7,544	6,558
4.	Road from Aska to Sompore. (This includes what is called Aska and Surla Road	4,500	620	5,120	5,002
5.	Road from Gopalpore to Kalingia *viâ* Parlampore and Aska	12,000	3,050	15,050	14,401
6.	Road from Aska to Pippalapenka *viâ* Surla	2,300	1,694	3,994	3,994
7.	Road from Aska to Kevelly *viâ* Bellipadra	2,700	654	3,354	3,364
8.	Road from Bellipadra to Russelcondah ...	1,000	1,501	2,501	2,501
9.	Loop-line at Parlampore	500	95	595	606
10.	Branch Road from Trunk Road No. 6 to the town of Berrah	500	600	1,100	1,131
11.	Log-sheds at Parlampore	300	...	300	301
12.	Do. do. at Ganjam	300	295	595	596
13.	Road from Russelcondah to Kollada ...	470	...	570	369
14.	Branch Road at Aska	200	271	471	472
15.	Emergent repairs to bridge over Bellapore river	...	440	440	440
16.	Repairs to bridge over Godeballow River at Jolly	...	340	340	396
17.	Repairs to Bankeallow River bridge and to Tippasee Nala (channel)	...	228	228	225
	Miscellaneous	...	940	940	864
	Total ...	43,970	19,135	63,105	59,652
	Chicacole Circle.				
17½.	Trunk Road	7,500	...	7,500	7,179
18.	Road from Chintada to Gara	1,200	...	1,200	1,200
19.	Do. from Chicacole to Calingapatam ...	1,620	...	1,620	1,614
20.	Do. from do. to Palakonda	1,200	...	1,200	1,195
21.	Do. from Jirjangi to Jagannadhapore ...	1,800	...	1,800	1,771
22.	Do. from Attiem to Hiramandalam ...	2,050	...	2,050	2,049
23.	Do. from Tockalpatnam to Poondy ...	1,000	...	1,000	1,000
24.	Do. from Narsannapeta to Kimedy boundary	800	...	800	704
25.	Road from Narsannapeta to Calingapatam.	700	...	700	653
26.	Do. from Teckally to Kimedy boundary *viâ* Malapeta	600	...	600	600
27.	Road from Nowpadah to Kimedy boundary *viâ* Teckally towards Pembore	900	...	900	900
28.	Road from Bommaly to Raghunadhapore..	910	...	910	825
29.	South approach road to Chicacole Bridge...	130	...	130	120
30.	Road from Kimedy to Kimedy boundary *viâ* Sarvakota	2,050	...	2,050	2,049
31.	Road from Kimedy to Kimedy boundary *viâ* Malapeta	1,350	...	1,350	1,350

	Maintenance Grant.	Extra Grant.	Total.	Actuals.
	Rs.	Rs.	Rs.	Rs.
Chicacole Circle—(Continued).				
32. Road from Teekally boundary to Hiramandalam	1,770	...	1,770	1,760
33. Road from Buttily to Hiramandalam ...	2,800	...	2,800	2,806
34. Do. from Addubhangi on Vamasi Road to Addubhangi on Palakonda boundary...	1,400	...	1,400	1,393
35. Road from Kimedy to Buttily Road ...	1,950	...	1,950	1,944
36. Do. from Mukhapatti Bridge over Mahendra Tanaya river to the boundary of Tekalipatnam	1,000	...	1,000	980
37. Emergent repairs to Chicacole Bridge ...	...	1,183	1,183	1,004
Miscellaneous works	...	1,797	1,797	1,252
Total ...	32,780	2,980	35,760	33,859
Grand Total ...	73,774	23,143	96,917	83,193

With the exception of the roads hereunder mentioned all the roads are reported to be in good order:—

(1.) *Portion of the Trunk Road in the Chicacole Circle.*—The maintenance grant for this road is Rupees 13,950 and an extra grant of Rupees 3,610 was sanctioned for emergent repairs, thus making the total amount of Rupees 16,560 for the repairs. The actual expenditure is Rupees 15,014. With regard to this road the District Engineer made the following remark:—"The whole road maintained; the portion from 41st mile to 48th mile, 12 inches to 1 inches, and Ganjam limit to frontier, are in bad order owing to their having been severely damaged by rains in September and not being and the heavy traffic". Upon this Mr. Davidson has made the following remark: "That is not the correct reason. The disgraceful state is owing to neglect, shoddy work, bad management, and almost total absence of intelligent supervision."

(3.) *Road from Aska to Ganjam.*—With regard to this road, the District Engineer remarked that it is maintained in order throughout the year. Mr. Davidson remarks:—"Not so." "I found it occasionally in very bad order in parts."

(5.) *Road from Gopaulpore to Kalingia.*—Mr. Davidson remarks that the road is in bad order in many parts.

(7.) *Road from Aska to Korchelly.*—With regard to this road the District Engineer has remarked thus:—"Road maintained in fair order but the road has been much cut up by the very heavy traffic on the road. Estimates for improving the road are being prepared." On the contrary, Mr. Davidson has remarked that "the traffic is not very heavy. Had the road been properly made and repaired no extra expenditure will be necessary."

(14.) *Branch lines at Aska.*—The District Engineer remarked that the road was maintained in fair order. Mr. Minchin, a Member of the Local Fund Board, however, in one of his communications mentions that the road is simply disgraceful. This road as well as the branch lines at Ganjam, Chetterpore, and the road through Gopaulpore were transferred to "Other Agency" during the current year.

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(17½.) *Portion of the Trunk Road in the Chicacole Circle.*—The following is the remark of the Range Officer:—"The whole length of the line except Madapam and Nowpadah sandy portion has been kept throughout the year: 770 cubic yards of metal and 1,050 cubic yards of gravel remaining at side of road at the end of the year. The avenue trees all along 48 miles maintained, and 6,050 plants are now thriving, and the breaches caused by late floods have been repaired. Owing to the difficulty in obtaining carts to cart material, a balance of Rupees 321-6-9 remained unexpended." With regard to avenue plantations, Mr. Grahame does not agree with the above remark, and has made the following observations:—"This I deny. For many miles avenue seedlings and cuttings have been put down, and *many* have died and been replaced. There is scarcely a tree along the sandy track north of Nowpadah and near Byree; forty would be much nearer the truth than forty-eight. The road is in good order, and the damage done by the rains in September has been made good. In several places along this road rocks crop up which ought to be removed. I have more than once spoken with the Range Officer on the subject."

(18.) *Road from Chintada to Gara.*—The District Engineer remarked that "eleven miles were kept in fair order throughout the year." The Vice-President, Local Fund Board, Chicacole Circle, remarks as follows:—"This road was under repair for a good while in the year, and moreover was closed to traffic (between Great Trunk Road and Gara) for some time. It is therefore an abuse of language to say that the full length of the line, eleven miles, was kept in fair order throughout the year."

(23.) *Road from Tekalipatnam to Poondy.*—The District Engineer remarked that the full length has been maintained and kept in fair order throughout the year. Mr. Grahame however remarks as follows:—"Not so. When I passed over this road in March it was just possible to pass at one place. I admit that the road was greatly damaged by the floods in September 1875, but the damage was not repaired as promptly as it ought to have been and as was done on the Great Trunk Road. I think a special grant ought to have been applied for by Range Officer. Instead of doing this he used maintenance allowance for repairs, and has lately submitted an emergent estimate for work done some months ago as well as for some not yet done. The road has since September been almost impassable, and even now a wheeled vehicle can only just pass at one spot. Two other places badly breached have been properly repaired, and had funds been applied for the whole road might now be in good working order."

(31.) *Road from Kimedy boundary to Kimedy via Mukhapatti.*—With the exception of two or three miles of this road, between 10th and 13th milestones, the road is said to be in fair order. Mr. Grahame, the Vice-President, has made the following remark:—"I have several times called attention to two or three miles of this road between the 10th and 13th milestones with no effect. Nothing has been done to that part of the road since I first called attention to it over two years ago."

(33.) *Road from Buttili to Hiramandalam.*—With regard to this road, Mr. Grahame remarked that "there is scarcely an Irish bridge on this road which is not badly in want of repair and over which great care is not necessary when driving a springed vehicle." "Parts of road are in very good order, more especially the portion between Pedda Dimili and Hiramandalam."

(36.) *Road from Maliapatti Bridge over Mahendra Tanaya River to the boundary of Teekalipatnam.*—Mr. Grahame remarks that a portion of the road is in middling order, and the road down the ghaut near Teekalipatnam is full of rocks.

35. Sanitary and Miscellaneous.—A sum of Rupees 1,101 was expended during the year under report under the head "Sanitary and Miscellaneous, Repairs" out of an allotment of Rupees 1,289 for the purpose.

	Allotment.	Actuals.
Chatterpore Circle.	Rs.	Rs.
1. Repairs to the travellers' shed at Injilly	85	74
2. Do. do. at Itekapore	115	94
	200	168
Chicacole Circle.		
3. Painting doors and whitewashing the Civil Dispensary at Kimedy	77	34
4. Repairing a well on the 6th mile of Calingapatam Road ...	53	38
5. Do. the tank at Garubanda	440	355
6. Do. Suryagundam tank at Amasavilly	220	221
7. Turfing do. do. do.	23	23
8. Repairing Gudem Tank at Kallepalli	117	117
9. Do. Travellers' Bungalow at Narsannapeta ...	41	30
10. Do. Cholera shed attached to Dispensary at Kimedy ...	23	23
	1,089	933
Total of two Circles ...	1,289	1,101

36. With the exception of Works Nos. 2, 3, and 5 all the works have been completed; No. 3 could not be completed for want of paint, and No. 5 owing to a large quantity of water in the bed of the tank.

Enclosures Nos. 1 and 2.—Statements.

In the foregoing letter, the Collector reports upon the progress of Public Works in the district during 1875-76. The total expenditure upon *New Works* by the Public Works Department and Other Agency combined was only 68·9 per cent. of the total allotment. It is, however, due to the professional department to notice that the proportion of expenditure to allotment by its officers amounted to 78·5 per cent., but even so the outlay is below what it ought to have been. In extenuation of the apparent remissness of the Revenue Department in this respect, the Collector refers to Mr. Davidson's letter, recorded in G.O., dated 1st June 1876, No. 1,000, Financial Department, in which the short expenditure is attributed to "an unfortunate chapter of accidents." Upon *Repairs* the proportion of expenditure to allotment was by the Public Works Department 92·2 per cent. and by the Revenue Department 74·3 per cent.

2. In paragraph 6 the Collector states that little appears to have been done towards reclaiming the swamps known as Gonju Tamparu and Lakshmipuram Tamparu; regarding the former however "data have been collected."

3. To the late date at which the allotments were made is attributed the short outlay on "Irrigation Repairs."

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4. Referring to paragraph 15 of the report, the Board observe that the matter of the Aska protective works has very lately engaged the attention of Government.

Ftg. G.O., dated 23rd June 1876, No. 1,569, Public Works Department.

5. The salt works at Ganjam are said to be in good order.

6. The Hill Jail at Russelcondah is reported to have been completed according to the estimate sanctioned by Government. Nevertheless, the Inspector-General of Jails would appear to be dissatisfied with the work and has ordered alterations which are now in progress. The Board are unable to reconcile the assertion that the work has been carried out in accordance with the sanctioned estimate (which term is presumed to include specification) with the circumstance that alterations are being made by direction of the Inspector-General who it is supposed must have approved the original plans. It seems impossible that Colonel Tennant should order to be altered what has been approved by Government; it may be however the "faults" are of a trivial nature to the correction of which the term "alteration" is scarcely applicable.

7. The Tahsildar's Cutcherry at Russelcondah is described by Mr. Davidson as being in a "deplorable" condition (paragraph 27), and, as it appears that each pillar of the verandah requires to be held up by a pillar on each side of it, the expression can hardly be regarded as exaggerated.

8. In the Chatterpore Circle an estimate for the deviation on the Aska and Ganjam road, which was originally intended to cover all the work required, has proved insufficient and has been followed by a supplemental estimate for Rupees 12,360, being more than one-third of the amount of the original one.

9. Upon the whole the execution of Public Works in Ganjam during the year under review cannot be regarded altogether with satisfaction. The Board hope to receive a more favorable report at the close of the current year.

(A true Copy and Extract.)

(Signed) C. A. GAITON,
Acting Sub-Secretary.

No. 316. Order thereon, 20th November 1876, No. 3,089.

ESTABLISHMENT, No. 18.

The subject of the work done to the Hill Jail at Russelcondah was disposed of in G.O., No. 2,600 of 27th September; which will now be communicated to the Board of Revenue through the Revenue Department.

2. The District Engineer will report in detail on the Taluq Cutcherry at Russelcondah, illustrating its condition by plans, and estimating for such renovations as may be required.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the District Engineer, Ganjam.
Revenue Department.

Extract from a letter No 4256 dt 4th December 1882 from the Superintending Engineer 1st Circle to the Executive Engineer Ganjam Division.

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13

× × ×

1. Iron work for Trusses ——— The original rate 4 as per lb was surely ample such work in the Berhampore Workshops including 20 percentage is only 3 as 4 thousand lb of good iron can be purchased in Aska or Berhampore at but little over rupee the lb in the rough.

× × ×

6. The price put down for scaffolding is very high considering the moderate height of the building, and that very rough materials might have been used for it and these sold and re-used. The Examiner orders about 2/3rds of old materials evidently refers only to materials recovered from the old work.

× × ×

8. Daily Supervision ——— If the work had been done with even moderate expedition this ought not to have amounted to more than Rupees at the most/ details required for this item.

Comp'd by
DT

Offg. Supg. Engineer
1st Circle

Extract from a letter No. 1393 of 24th December 1882 from the Executive Engineer Ganjam Division to the Supt Engineer 1st Circle.

14

1 Iron work for Tanks. The accounts in the beginning were not kept very distinctly and therefore had to be recast as much as practicable for the revised estimate. The rates put down therein are those that have been obtained by the said recast. Rs 125-5-9 was found to have been spent on this item which gives the rate of 5 annas nearly a th as put down in the revised estimate.

6 Scaffolding. The first accounts for wood work gave a rate of Rs 1-15-6 per cubic foot which rather startled me but I found on examination of the wood on the spot that many pieces of the earlier cuts were used up for the scaffolding and in the sheds. I have therefore charged their value at ½ R a cubic foot to the scaffolding and sheds and reduced the wood work rate

rate to Rs 1-11-- as put down in the revised estimate.

× × ×

8. Petty supervision Coolie on Rs 20 per mensem and two watchmen have been employed although it was not provided with rigorously Rs 144 has already been expended

× × ×

I have &c
(Sd) S. Cubroyadhair
Asst Engr in ch: Ranjoot

(True Extract)

Illegible

Offg Supt Engr 1st Circle

Compared
DS

Public Works Department, 1882.

Current No. 1282
Letter No. 573 dt 13
Dated the 22nd Dec 83
From the Supt Engr 1st Circle

Note of Remarks.

1. The accompanying estimate, Rs 5128 is for substituting a detail &c for that amongst the papers connected with the accepted estimate, and exceeds the original estimate Rs 3170 (sanctioned in G.O. No 272 dt 18th Jan 78) by Rs 1958.

2. Of the excess, Rs 1958 Rs 702 are due to an increase in both rate for wood work & wood work; Rs 141 to carriage of wood work; Rs 170 to scaffolding; Rs 248 to petty supervision; & acct of other deviations, Rs 100, in part each. The above Rs 150 had been subtracted from the original estimate as being required for the Executive Engr's office, but the Executive Engr has objected as in wrong form

need in consequence the amount has been included in the demi for repairing direction.

3. No plans or costing of the intended work has been submitted, nor does the revised estimate bear the countersignature of the collector of the District.

2nd March/83

C3/19

No revised estimate is apparently here to provide for any change in the design &c

C.

P. W. Secretarial.

C. No. 1982

1st/2

Note by Budget Section.

Work

Remarks and References.

Converting the house of the Taluklar Cutchery at Ravelcondah into Libe one and repairs to the building

Fund Provincial

Service Head Civil Buildings

Departmental Head Burgess Hunter

Amount of Estimate ... ... Rs. 5178

Expenditure in previous year ... ... ,, —

Allotment in current year ... ... ,, 3170

Balance required to complete ... ... ,, 1968

Total Rs...

Note of available funds.

The present revised estimate is in excess of the Budget allotment for R. 3170 included in Bo. No. 272 dated 15th March 83 by R. 1958. R. 3170 are provided for the ends the Provincial Budget for 1882-83 and R. 2330 entered in the Provincial Budget for the year 83 to 12. Not knowing what the outlay in the end year will be, provision in next year's Budget may be made to cover

Budget Clerk.

83

Note by Budget Section.

No. 513 G/L

FROM, THE SUPERINTENDING ENGINEER

FIRST CIRCLE. 1229/17

TO, THE CHIEF ENGINEER

~~FOR IRRIGATION.~~ & Ex. Department

DOWLAISHWERAM, 27 February 1883

Secy. 2900

SIR,

I have the honor to forward herewith for the sanction of Government a revised estimate amounting to Rs. 2718 together with a comparative statement for "converting the tank bed of the Vellaikal Cattanay at Rajakonda into three crops" The original estimate (Rs. 3170) for the work was sanctioned in G.O. No. 272 M. dated 18th January 1878.

2. The reasons for the excess (Rs. 1958) over the original estimate stated in the Comparative statement above quoted.

3. Of the excess Rs. 925 are due to work not in the original estimate at all but which it is necessary or advisable to do whilst the "removal" is being carried out, and

Cutting on Verandah Pillars	89
Painting floor	94
New doors & windows	59
Repairs old do	35
" Gate	7
Scaffolding	170
Glass	60
Clearing site &c.	60
Petty Supervision	248
	772
Add deduction on the original estimate for	153

the balance Rs 1000 provide for work provided for in original estimate but not wanted given the excess due to increased quantities and rates in connection with work which was provided for.

4- The chief items of this saving are Rs 702-6-0 on earth work, the rate for which was unadvisedly made considering the comparatively near lie for timber and the difficulty of getting skilled labor at the place, and Rs 141 on flooring and work which it appears advisable to do thoroughly instead of to the extent only Rs 5 as originally provided for.

5- As to some of the other items which my opinion & the Divisional Officer's explanation are given in the accompanying extracts.

6 The iron work is the cost of which I took exception was it appears chiefly done whilst the Division was in charge of the officer who died at the end of last May & to that unfortunate occurrence & the consequent changes in the charge of the Division may in some measure be attributed the slowness of the work which has added to its cost, & under the circumstances I recommend the sanction of the revised estimate.

I have the honor to be,
Sir,
Your most obedient Servt

[illegible]
Offg Supt Engr 1st Circle

From
The Supg Engineer
1st Circle

To The Chief Engineer
P.W.D.
Madras

Letter
Dated 22nd February 1878
Received [illegible]

No 573 Gdgs.
Executive Engr
Recd letter Tahsildar
Cuttehery etc- Commencing
the terrace protection
into tile drain & repairing
the Lacca- Received Estimate
(Rs 5128) for the same &
a Conservancy Statement
for February Progress

Rec'd 23rd February 1878

Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT,

Read the following

From the Superintending
Engineer Trichinopoly } No 573 Gdgs dated 22nd Feby 1878

The receipt of
estimate amounting to
Rs 5128 for executing
the terrace protection
the Chinnalem Lacka
Tahsildar Cutcherry into
a tile drain & repairing

2. The receipt of
duplicate upon the
Register estimate for
Rs 3170 sanctioned
in G.O No 272 dated
16th January 1878 in
exchange for the
Superintending Engineer's
letter above recorded

A No 209- 20-2-78
Ce. No 419- 23-2-78
A No 272- 16-1-78- Rep

3 Fund do have been
provided for the Comple-
tion of the work in the
Provincial Budget
for 1883-84, Sketch no 2.

4. This sanction
has been registered
in Provincial Ledger
no 1882-83 and debited
to Civil Building
Repair Works. Original
at p. 258 B of 1877-78
is cancelled.

Sd/- S S

Asst
5/3/83

5
The Supdg Engr 2nd Grade
with 3 enclosures
Asst Engr 1st Grade with
abstract estimate
Revenue Department
(Genl)

Cabinet of Historical Drawings
PUBLIC WORKS

Value Estimate

of proposed estimate for
covering the Concrete
roof of the — at
Queensland mine
Red one Vancouver