M.R.O. 1—20,002—12-8-65.

(1) Number of Pages 22

(2) Date of repair 9-10-68

(3) Initials of the Referencer

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. 2383 ~~Press~~
~~B.P. No.~~ Mis.

Dated 9-11-1875 196—.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 15th October, 1875.

No. 236. Read the following Proceedings of the Board of Revenue, dated 2nd September 1875, No. 2,167.

From R. DAVIDSON, Esq., Acting Collector of Ganjam, to L. E. STOKES, Esq., Acting Secretary to the Board of Revenue, dated Chicacole 29th June 1875, No. 1,522.

I HAVE the honor to report on the public works of this district for the past official year 1874-75.

2. The amount allotted for expenditure on public works from Imperial and Provincial grants during the year under report was Rupees 78,536, of which sum only Rupees 71,102 were spent under all the heads against Rupees 60,886 during the year 1873-74.

3. The subjoined comparative statement shows the actual expenditure during the years 1873-74 and 1874-75 with the budget allotment under each head :—

	Expenditure in 1873-74.	Expenditure in 1874-75.	Increase.	Decrease.	Budget Allotment for 1874-75.
NEW WORKS.	RS.	RS.	RS.	RS.	RS.
Irrigation	1,476	1,364	...	112	2,000
Communications	5,658	10,388	4,730	...	11,175
Buildings	28,873	15,783	...	13,090	23,609
REPAIRS.					
Irrigation	16,318	32,769	16,451	...	30,000
Communications	5,200	5,900	700	...	5,900
Buildings	2,861	4,898	2,038	...	5,852
Total ...	60,386	71,102	23,919	13,202	78,536

4. NEW WORKS—*Irrigation.*—During the year under report Rupees 1,364 were expended in the construction of weirs and sluices as shown below against Rupees 1,476 during the year 1873-74 :—

	RS.
Five waste weirs for tanks	1,222
Three do. for channels	69
One sluice for a tank...	50
One do. for a channel	23
Total ...	1,364

5. The short expenditure as compared with the budget grant is attributed to the rains during the latter part of the year 1874 in the Chicacole Taluq and to the channels for which the works were designed being full.

6. A sum of Rupees 181 was also expended in the survey of the two swamps called Gounju Tampara and Lakshmipuram Tampara in the Berhampore and Chicacole Taluqs respectively.

7. I beg to state that the highest floods in the Langulya and Vamsadhara rivers in October last were 17½ and 13 feet respectively.

8. The floods of the Langulya are said to have been the highest known for the last fifty years. They submerged a portion of the Chicacole town ening, as it now appears, in some measure, to an enormous bank of sand having been allowed to accumulate above the bridge, thus obstructing the free passage of water through some of the arches. Steps have been taken in anticipation of sanction to have the obstruction removed. The Municipality did all in its power to relieve those who suffered and to repair the damage done to the roads.

9. *Communications.*—The only works executed under this head during the year were the following exclusive of those shown under the head of "Maliah Works" at a cost of Rupees 10,000 :—

		Rs.
1. Construction of a canal from Chilka Lake to Ganjam end	... ...	213
2. Survey of a line proposed from Mojagada to Birkote	... ...	175
	Total ...	388

10. The Acting Principal Assistant Collector states: "Traffic on the Great Northern Trunk Road is much hindered by the want of a bridge between the northern and southern banks of the Vamsadhara river at Madapam (Byri is the general name of the crossing). The Local Fund Board cannot expect to be ever able to throw a bridge across the river over which traffic has to cross by a ferry for five or six months in the year. A good Irish bridge would be of great use for the rest of the year, and this is all that the Local Fund Board could possible attempt. It will be proposed at an early meeting. A bridge will, of course, be far better, but would cost probably one-and-a-half to two lakhs of rupees." Traffic is also hindered by want a bridge over the Rushikulya or Ganjam river in the principal division.

11. *Buildings.*—The following are the works both completed and in progress at the close of the year under report, civil works costing 500 Rupees and upwards each being distinguished from those the cost of which is less than that amount. The amount actually expended during the year on these works was Rupees 15,782 against an allotment of Rupees 23,609 :—

Names of Buildings.	Expenditure in 1874-75.	Expenditure in previous years.	Estimate.
CIVIL BUILDINGS COSTING RUPEES 500 AND UPWARDS EACH.	RS.	RS.	RS.
Completed.			
1. Deputy Tahsildar's Cutcherry at Sompetta (construction.)	2,011	3,928	6,420
2. Deputy Tahsildar's Cutcherry at Purshottapore	979	2,348	3,370
3. Sub-Jail at Aska (construction)	651	2,598	3,300
4. Do. at Surada (do.)	1,485	1,701	3,420
5. Do. at Teckally (do.)	919	2,381	3,300
6. Do. at Itchapore (additions and alterations) ...	386	255	641
7. District Munsif's Court-house at Teakally (improvements) ...	201	829	1,030

Proceedings of the Madras Government, Public Works Department,
15th October 1875.

Names of Buildings.	Expenditure in 1874-75.	Expenditure in previous years.	Estimate.
	RS.	RS.	RS.
8. Anglo-Vernacular School at Chicacole (construction)	595	2,904	3,500
9. Police Station-house at Jagannadhaprasad (do.)	334	346	511
10. Do. at Bodogada (do.)	432	28	816
In Progress.			
11. Police Station-house at Berhampore (construction) ...	431	...	1,361
12. Hill Jail at Russelcondah (do.) ...	5,636	1,321	9,880
13. Night-latrines to the District Jail at Berhampore (construction.)	71	...	1,110
14. Dead-house in connection with the Police Hospital at Chetterpore (construction)	7	...	725
15. Tahsildar's Office at Berhampore (additions and alterations)	428	...	724
16. Sub-Magistrate's Cutcherry at Kimedy (improvements).	723	...	845
CIVIL BUILDINGS COSTING LESS THAN Rs. 500 EACH.			
Completed.			
17. Sub-Magistrate's Cutcherry at Purshottapore (construction of a verandah)	24	117	144
18. Sub-Magistrate's Cutcherry at Surada (additions and alterations)	244	...	292
19. Sub-Magistrate's Cutcherry at Aska (putting in a door with frame, &c., in a wall)	20	...	27
20. Well near the Sub-Magistrate's Office at Chicacole (covering)	22	...	22
In Progress.			
21. Subsidiary Jail at Chicacole (additions and alterations).	183	...	261
Total Expenditure on Civil Buildings ...	15,782		
MILITARY DEPARTMENT.			
22. Rifle Range for Native Infantry at Berhampore (construction in progress)	775	...	1,500
23. Armourer's Workshop for Native Infantry at Berhampore (construction in Progress)	493	...	563
MISCELLANEOUS PUBLIC IMPROVEMENTS.			
24. Store-shed at Calingapatam (construction in progress.)	3,143	...	3,770
25. Signaller's Room at do. (do. do.)	1,050	...	1,010
26. Well at do. (do. do.)	75	...	226

12. The works on which only a small portion of the allotment was spent are those numbered 11 to 15 and 23. The non-completion of Nos. 11, 14, 15, and 23 is attributed chiefly to the suspension during the working season of the Overseer who was in charge of them, and of Nos. 12 and 13 to the allotment having been made late in the year. A large number of the works in progress approached completion, while good progress was made with the others in general.

13. In his letter to the Director of Public Instruction, dated the 18th March last, No. 277, the Acting Inspector of Schools made the following remarks on the Teckally School-building :—"The school is a new building only recently

finished; but the contractor, if he has fulfilled the letter of the contract, has not done the work at all well. The roof leaks, and already is in need of repairs; it consists merely of tiles insecurely plastered together over thin bamboos. The verandahs are of no use, not being broad enough for to persons to walk abreast. Some of the pillars have cracks already, the doors and windows are badly finished, and the whole building as the appearance of having been run up at the least cost possible. Rupees 800 was the amount sanctioned." The Director of Public Instruction has passed the following proceedings thereon:—"It is to be remarked that Mr. Bowers proposed that the work should be given to a contractor who had made a tender, it being arranged that the Head Master and the District Munsif should watch progress, and that the Deputy Inspector should make a report on each visit of his to the locality. These arrangements were sanctioned by Government, and the contractor was paid after the submission of a completion report by Mr. Lever, the Range Officer, who certified, after personal inspection and measurement, that the work had been fully executed to the extent of the estimate in a substantial manner and of the best materials as provided for in the estimate."

14. The Acting Principal Assistant Collector's remarks in regard to the other buildings in the sub-division are given below:—

Store-shed at Calingapatam (Beach)—"After it had made considerable progress, the work had to be stopped, because the Public Works Department Subordinate in charge had omitted or forgotton to make foundations, and that almost all that had been built has been pulled down."

"My office-building, which was twice repaired in 1872-73, leaks in several places. It was in fact never really set right. The chunam-work in the corners of the several rooms is so bad that it always gives way when rain falls and needs mending; some of the pillars of the building also require attention.

"I have seen almost all of them (the public buildings), and am generally satisfied with them. I think it right, however, to call attention to the Police Station at Hiramandalam, which is in a state I can only characterize as disgraceful. The station-house was finished and handed over to the Police Department in July 1874. In March 1875 it presented all the appearance of a building ten years old. There were cracks in the back walls, and the entire floor had given way and in (certain) places had sunk several inches. I have heard that, when the building was reported to be ready and fit for use, Captain Eastall (the Assistant Superintendent of Police) went to inspect it, and reported it to the Superintendent as already out of order and showing cracks in the walls; that the Public Works Department Officer concerned heard this and sent in coolies who put matters to right; and that, when Captain Eastall's remarks were forwarded to him, he reported that the building was all right and not out of order, and that he wished Captain Eastall to be called on to withdraw his remarks about the building. Comment on this is needless. I have only to point out that Mr. Leggatt (the present Range Officer) is in no way responsible for the building or connected with the incident I have mentioned. The building was built when Mr. Leggatt's predecessor was in charge of the range. I did not see the station-house in July 1874, but its condition in March 1875 spoke volumes for the way in which it had been put up."

15. Repairs—*Irrigation.*—The amount spent on repairs to tanks, channels, and other irrigation works was Rupees 32,769 against an allotment of Rupees 30,000. The excess of nearly ten per cent. over the grant is, the District Engineer says, chiefly referrible to works having been undertaken on emergency to make good the damages caused by the heavy rains in October and November without regular appropriation in anticipation of sanction, and after appropriation from savings in other works and extra grants which, however, as it turned out, were not available.

16. In the principal division, which consists of the Berhampore and Gumsur Taluqs included in No. I. or Berhampore Range, repairs to 164 agricultural works have been made at a cost of Rupees 20,028, while Rupees 12,741 were spent in the sub-division, which consists of the Chicacole Taluq included in No. II. Range, on repairs to 125 works as detailed below:—

In the Principal Division.

		Rs.
1	Anicut (Weir)	28
6	Embankments	5,348
1	River regulation	361
17	Channels and distributaries	[illegible]
139	Reservoirs and tanks	11,296
164	Total.	Total ... 20,028

In the Sub-Division.

1	Anicut (Weir)	28
39	Channels and distributions	5,323
85	Reservoirs and tanks	7,390
125	Total.	Total ... 12,741
289	Grand total.	Grand total ... 32,769

17. *Communications.*—Besides the Maliah roads, the expenditure of which will more conveniently come under review in dealing with that portion of the report which is allotted to "Maliah Works," the only road to which repairs were executed from Imperial funds was the cantonment road at Berhampore at a cost of Rupees 120.

18. *Buildings.*—The amount expended on repairs to civil buildings during the year under report was Rupees 4,898 out of an allotment of Rupees 5,852.

19. The following buildings were repaired during the year:—

In the Principal Division.

Military Buildings at Berhampore.

		Rs.
1. Hospital 2. Barracks 3. Magazine		483
Post Office at—		
4. Berhampore		39
5. Chetterpere		10
6. Gopaulpore		9

		Rs.
7.	Aska	342
8.	Surada Sub-Magistrate's Cutcherry	165
9.	Sea Custom-house, Sonnapore	101
10.	District Engineer's Office, Chetterpore	317
11.	Range Office at Berhampore	29
12.	Public Works Department Sub-divisional Office at Russelcondah ...	100
13.	Police Office, Chetterpore	399
14.	Police Hospital at Chetterpore	51
15.	Hill Jail at Russelcondah	149
16.	Sub-jail at Chetterpore...	17
17.	Do. at Itchapur	164
18.	Zillah Court at Berhampore	448
19.	Zillah School at do.	90
20.	Taluq School at Russelcondah...	210
	In the Sub-division.	
21.	Range Office at Chicacole	200
22.	Tahsildar's Cutcherry at Chicacole	170
23.	Magistrate's Cutcherry at Kimedy	188
24.	Burial-ground at Kimedy	1
25.	Sea Customs Office at Calingapatam	84
26.	Taluq School, Raghunadhapore	115
27.	Post Office at Chicacole	140
28.	Do. at Kimedy	409

The rest of the grant was spent on house-rent to medical subordinates and on repairs to Maliah buildings.

20. Salt Works.—A sum of Rupees 12,496 was advanced for petty construction and repairs executed during the year under the supervision of the Salt Deputy Collector and debited in the treasury account to "9, Salt." Of this amount Rupees 8,677 were spent on the following sixteen large works and the rest on miscellaneous minor works :—

		Rs.
1. At Ganjam ...	1. Repairing the Bedabanda embankment ...	395
	2. Construction of draw-bridges	500
2. At Itchapore ...	3. Repairing channels	321
	4. Repairing the main channels dug around the pans on the eastern side	469
	5. Repairing the channel moat around the pans on the western side	436
	6. Constructing draw-bridges	500
3. At Nowpadah...	7. Repairing the approach to the platform ...	396
	8. Repairing certain embankments	455
	9. Do. Badijonnapur channel	497
	10. Do. river channel	487
	11. Do. tiled huts of constables	348
	12. Constructing the road leading to platform No. 4.	2,123
4. At Womeravilly.	13. Opening a bar of the sea and clearing Tippapara channel	170
	14. Repairing Tippapara embankment	347
	15. Repairing moats	438
	16. Constructing draw-bridges	500

21. Maliah Works.—The following remarks have been recorded by the Special Assistant Agent in regard to the expenditure of the advances made to him for the construction of Maliah works during the year under report :—

"(2.) The subjoined statement shows the sums allotted and expended on each description of work :—

Nature of Work.	Amount allotted.	Amount expended on each Work.	Total.	Balance remitted to Treasury.	Remarks.
New Buildings.	Rs.	Rs.	Rs.	Rs.	
Constructing Sub-jail and Sub-Magistrate's Cutcherry and Lock-up at Udigiri in Gumsur Maliahs.	368	368			
Do. do. do.	1,200	1,200			
Addition to house of Assistant Superintendent of Police at Baligudah.	500	500			
Market huts at Udigiri, Purnagur, Linepada, and Kalingia.	800	800	2,868		
Repairs of Buildings.					
Kalingia	...	10			
Birkote	...	20			
Udigiri	...	90			
Tentelegada	...	0			
Padanpada	...	10			
Guttingiah	...	10			
Raikia	...	40			
Tiangia	...	10			
Deegi	...	10			
Semenbadi	...	10			
Ruthingia	...	10			
Baligudah	...	120			
Sarungudah	...	10			
Kurtelli	...	10			
Nowgam	...	80			
Darumpore	...	10			
Jirpanee	...	10			
Chorakia	...	10			
Chendragiri	...	10			
Chendiput	...	10	500		
Repairing Roman Catholic Burial-ground at Russelcondah.	25	25	25		
New Roads.					
From Sunkershully to Rothaigia, from Durgapunga to Jilki, and from Laharsing to Antara Nullah.	5,000	5,000			
From Tentelegada Nullah to Arabolka.	4,000	4,000	9,000		
Ferry over the Mahasingi river ...	1,000	...	...	1,000	This sum is deposited in treasury pending sanction of Government for its transfer to other work.
Repairs of Roads.					
From Mahasingi to Kusadundi and from Udigiri to Kalingia.	5,200	5,200			
From Kalingia to Tentelegada Nullah.	700	700	5,900		
Total ...	19,293	...	18,293	1,000	

"(3.) *New Buildings.*—I have received two sums to complete the Sub-Jail and Sub-Magistrate's Cutcherry at Udiyaghiri in the Gumsur Maliahs—Rs. 368 + 1,200 = Rupees 1,568. The money has been expended as shown in the statement and the work completed.

"(4.) The addition to the house of Assistant Superintendent of Police at Baligudah has been made with the Rupees 500 granted for the purpose.

"(5.) The market at Udiyaghiri is finished, and those at Purnagur and Linepada are now nearly finished by the Bissoyes. Another was built at Kalingia instead of Raikia. The sanction was for one at Raikia; but my letter, No. 53, dated 9th March 1875, fully stated my reason for the change of location, and I asked you to be good enough to obtain the sanction of Government for it.

"(6.) *Repairs of Buildings.*—I have received the annual grant of Rupees 500 for this purpose. The money has been expended as shown in the statement on the Maliah bungalows. All the buildings are in good repair except the Assistant Agent's bungalow at Baliguda, which will be repaired before the monsoon if possible.

"(7.) The Roman Catholic burial-ground at Russelcondah is well repaired within the grant of Rupees 25.

"(8.) *New Roads.*—I have received the annual grant of Rupees 5,000 for this purpose. This has been spent in making twenty-eight miles good road with side ditches, &c., on the part cleared last year on the road from Baligudah to Udiyaghiri in Peddakimedy.

"(9.) I have also received a special grant of Rupees 4,000 for making a road from Tentelegada Nullah to Boad frontier, and the road has been made with bridges up to Arabaka. There remains three and-a-half miles of road to join the frontier. I have requested in my letter, No. 58, dated 15th March 1875, that the maintenance grant for 1875-76 for this road be given me soon, and also a transfer of Rupees 1,000 sanctioned for the Nahasingi ferry be transferred to this work to enable me to complete the road before the rains.

"(10.) *Repairs of Roads.*—I have received two sums—one an annual grant of Rupees 5,200 and the other a grant of Rupees 700—for the road from the top of the Kalingia Ghaut to Tentelegadah Nullah: with the annual grant I have put in thorough order and bridged thirty miles of road from Mahasingi to Kussadandi, as this road has not been touched since every bridge was washed away in 1872, and with the other grant the seven miles of road has been repaired.

"(11.) *Ferry over the Mahasingi river.*—This work could not be done this year for want of workmen, and the sum has been deposited in the treasury without refunding it pending the sanction of Government solicited in letter, No. 58, of 15th March 1875, for its transfer to the new road from Tentelegada to the Boad frontier."

22. With reference to paragraph (4) of the above remarks, I beg to state that the Government in their Order, dated the 2nd April 1875, No. 757, Judicial Department, approved the erection of a market-hut at Kalingia instead of at Raikia as originally sanctioned.

23. For the transfer of Rupees 1,000 referred to in paragraphs 9 and 11 of the remarks, I have made an application to Government in my letter, No. 111, dated the 1st May last. The money is still under "Revenue Deposits," to which head it was originally credited by the Special Assistant Agent at the Gumsur Treasury.

24. With reference to the concluding portion of paragraph 1 of Government Order, dated the 2nd April last, No. 707, Financial Department, I beg to annex my remarks on the Local Fund Works of this district for the year under report:—

LOCAL FUNDS—CHETTERPORE CIRCLE.

25. *Allotment and utilization of funds.*—The amount allotted from Local Funds for new works and repairs during the year under report was Rupees 74,500, of which Rupees 25,377 were for new works and the rest for repairs.

26. The following table shows the sum allotted and expended under each head together with the amount which remained unutilized at the close of the year under report:—

—	Communications.			Buildings.			Sanitary and Miscellaneous.			Total.		
	Allotment.	Actual Expenditure.	Balance.	Allotment.	Actual Expenditure.	Balance.	Allotment.	Actual Expenditure.	Balance.	Allotment.	Actual Expenditure.	Balance.
	as.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
New Works	24,182	18,286	5,896	100	100	..	1,095	1,052	43	25,377	19,438	5,939
Repairs	47,540	46,401	1,139	1,083	1,070	13	500	301	199	49,123	47,772	1,351
Total ...	71,722	64,687	7,035	1,183	1,170	13	1,595	1,353	242	74,500	67,210	7,290

27. NEW WORKS—*Communications.*—Out of an allotment of Rupees 24,182, Rupees 18,286 were expended on the construction of works as detailed below:—

No.	Name of the Work.	Allotment.	Actual Expenditure.
		Rs.	Rs.
1	Road from Aska to Surla *viâ* Digupudi	3,400	2,28[illegible]
2	Deviation line on Ganjam and Aska road...	13,000	1[illegible]351
3	Road from Mandasa to Goppili	5,199	2[illegible]580
4	Construction of 6 feet tunnel on Gopaulpore road	650	489
5	Do. of two culverts on Trunk Road	368	382
6	Do. of do. on Aska and Russelcondah road *viâ* Ballipodra	266	266
7	Construction of a bye-road from the 24th mile of the Ballipodra road	99	99
8	Planting avenues	1,200	834
	Total ...	24,182	18,286

28. *No.* 1., *Aska and Surla Road.*—As already reported in paragraph 13 of the President's report on Local Funds for 1873-74, dated the 30th September 1874, this road was first reported to have been completed in all respects save bridging.

29. It was, however, found to have been so badly constructed that the Local Fund Board resolved to hand it back to the Public Works Department together with the balance of the estimate with a view to its being put in thorough order before the

Board would accept it. The District Engineer has again undertaken the execution of the work with the allotment of Rupees 3,400 and the upkeep allowance; but, from what I have lately seen of the road, much work still remains to be done. As it is essential that this important road, which leads direct from the Surla (Itchapur) salt-pans to the heart of Gumsur and the Kalingia Ghaut, should be bridged, the Local Fund Board have lately resolved to allot a sum of Rupees 12,215 towards the commencement of bridging it.

30. *Deviation-Line on Aska and Ganjam Road.*—Earthwork is reported to be very nearly completed throughout the whole length of the line;* three culverts have been built on the 5th and 6th miles and materials collected for the other masonry works. Originally an estimate was framed for building a masonry bridge on the Korakory river at a cost of Rupees 12,820. Subsequently it was decided in reference to G. O., dated 8th January 1875, No. 29, to throw an iron girder bridge† at the site where a masonry one had been proposed to be built and a revised plan and estimate for Rupees 22,800 was submitted for the sanction of Government with the President's letter, No. 280, dated 3rd May 1875. A sum of Rupees 2,839-12-9 was expended on such of the work of the bridge as may be equally necessary for either of the designs, *viz.*, masonry or a girder bridge. At a recent meeting the Local Fund Board resolved to complete the whole work during the current year if the plan and estimate be sanctioned in time, the necessary steps having been taken for securing an allotment of funds.

*I did not find this to be the case when I inspected it in the early part of this month; there was a good deal still to be done. In one place nothing at all had been done.
(Signed) R. DAVIDSON,
Acting President.

†This is proving a most disastrous work for the Local Fund Board. To a trifling nullah that could almost be crossed on a leaping pole five miles of made road have been abandoned and six miles of new circuitous road are being constructed at a most serious cost to the Local Fund Boards. Besides which the impediment to the salt traffic during these years has been great.
(Signed) R. DAVIDSON,
Acting President.

31. *3rd Work, Mandasa Road.*—The work was commenced during the year under report and Rupees 2,580 spent thereon. Earthwork on the first two miles nearly completed, while the work on third and fourth miles is in progress.

32. *Works numbered* 4, 5, *and* 6.—The other works were completed within the budget allotment with the exception of No. 5, on which a sum of Rupees 14 was expended in excess of the allotment.

33. *Planting Avenues.*—Cuttings were planted along parts of some of the roads, but as a rule they have formed a costly failure.

34. *Buildings.*—A sum of Rupees 100 was expended during the year under report for the construction of a school-house at Sompeta. The estimate of the work is for Rupees 460. The estimate was sanctioned in 1868, and the work was then commenced with the aid of the local subscription supported by a grant from the Jalantra estate; but, the subscription not having been fully realized, the work was stopped for some time. In the year under report the Local Fund Board sanctioned an allotment of Rupees 100 for expenditure on this work, and it is being executed by the Revenue Department. Walls have been raised and materials are being collected. A further sum of Rupees 100 has been provided in the current year's Local Fund Budget for the same purpose.

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

No.	Name of the Work.	Estimate.	Actuals.
		Rs.	Rs.
1	Clearing and improving Ganjam Town	1,000	866
2	Constructing a road round the Chetterpore Tank	...	101
3	Do. a culvert on Sonnapore Road	95	85
		1,095	1,052

36. *Clearing and improving Ganjam Town.*—The amount estimated for this purpose is Rupees 13,000, of which Rupees 12,640 were expended up to the end of the last official year. The whole work is said to have been completed, though the accounts are not settled. I have inspected these works, and it remains to be seen whether much of the excavated soil will not be washed into the drains again owing to the way it has been thrown up near the edges.

37. *Constructing a Road round the Chetterpore Tank.*—Rupees 101 were expended without a sanctioned estimate and allotment of funds. The subject is under the consideration of the Local Fund Board with reference to the Board's Proceedings, dated 4th May 1875, Miscellaneous No. 3,775.

38. *Constructing a Culvert on Sonnapore Road.*—Work completed, though the accounts have not been settled.

39. REPAIRS—*Communications.*—The following roads were maintained during the year:—

No.	Name of the Road.	Allotment.	Expenditure.
		Rs.	Rs.
		13,223	13,221
1	Trunk Road from Madras to Bengal Frontier	1,600	1,600
2	Road from Purshottapore to Gopaulpore	4,000	3,441
3	Do. Aska to Ganjam	3,900	3,900
4	Do. Aska to Itchapore	5,680	5,680
5	Do. Gopaulpore to Aska	6,500	6,502
6	Do. Aska to Kalingia Ghaut	2,900	2,900
7	Do. Aska to Pippalapónka	1,700	1,700
8	Do. Ballipodra to Kurcholly	3,640	3,640
9	Do. Aska to Russelcondah *via* Ballipodra	450	450
10	Branch Road from Trunk Road to Sonnapore	650	650
11	Loop Lines at Berhampore	900	900
12	Branch Lines from Trunk Road to Barwah	300	300
13	Loop Lines at Chetterpore	726	431
14	Branch Lines at Ganjam	370	370
15	Road from Russelcondah to Kullada	200	200
16	Branch Lines at Aska	36	36
17	Repairing sheds on Aska and Ganjam Road	65	65
18	Repairing Rest Sheds at Vishnuchekram, Surada and Mojagada.	700	415
19	Special repairs to Wooden Bridge on the Road from Jagannadhapore to Purshottapore.		
	Total ...	47,540	46,491

40. *Trunk Road.*—This road sustained some damage in consequence of hea rains in October 187[illegible], and the traffic was heavy. That part of the Trunk Ro leading from Ganjam to Rumbah is in a very bad state of repair. I have repeated brought its condition to the notice of the District Engineer.

41. The following roads also sustained some damages by the heavy rains October 1874 :—

1. Road from Aska to Ganjam.
2. Do. Gopaulpore to Aska.
3. Do. Aska to Kalingia Ghaut.
4. Do. Aska to Russelcondah.
5. Branch lines at Ganjam.

The other roads are said to be in good order.

42. *Buildings.*—Out of an allotment of Rupees 1,083 a sum of Rupees 1,07 was expended for the repairs of the following buildings :—

No.	Names.	Allotment.	Actual Expenditure.
		RS.	RS.
1	Repairs to the Travellers' Bungalow at Injilly	135	135
2	Do. do. do. at Itchapore	281	281
3	Do. do. do. at Cunchilly	250	250
4	Do. do. do. at Haripore...	372	372
5	Do. Chuttrum at Chetterpore	45	32
	Total ...	1,083	1,070

43. Repairs of works numbered 1, 3, 4 and 5 were executed to the amount of estimates and they are in good order. The estimate for the repairs of the Itchapore bungalow amounts to Rupees 1,179, while the allotment for the year under report was only Rupees 281. This sum was expended in purchasing materials. The bungalow will be put in order during the current year after the promised amount (*vide* G. O., dated 12th February 1875, No. 304) has been placed at the disposal of the Public Works Department. Meanwhile when I inspected it last week I found the roof off and the monsoon set in.

44. *Sanitary and Miscellaneous.*—The only work under this head in the Chetterpore Circle is the maintenance of the drainage work at Ganjam. The actual expenditure on this work was Rupees 301 against an allotment of Rupees 500.

45. The Board will find from the statement given in paragraph 26 that a sum of Rupees 7,290 remained unutilized out of an allotment of Rupees 74,500, of which Rupees 5,939 are against the allotment of Rupees 25,377 for new works, and Rs. 1,351 against an allotment of Rupees 49,123 for repairs.

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46. The sum of Rupees 5,939, which remained unutilized out of the allotment made for new works, belongs to the following works :—

	RS.
1. Road from Aska to Itchapore	1,115
2. Deviation line on Aska and Ganjam road	1,649
3. Mandasa and Goppili road	2,619
4. Planting avenues	366
5. Construction of six feet tunnel on Gopaulpore road	[illegible]51
6. Clearing and improving Ganjam town	134
7. Construction of a culvert on Sonnapore road	[illegible]0
	6,054
Deduct amounts expended in excess of the allotments ...	115
Balance ...	5,939

47. The cause for short expenditure on these works is that in the case of all the works, except Mandasa road, portions of payments were not made before the close of the year though the work was done. A sum of Rupees 2,619 was left unutilized from the allotment made for Mandasa road. This, the District Engineer says, was in consequence of the difficulty of obtaining labor.

48. The following are the particulars of repairs of works on which Rupees 1,351 shown in the table annexed to paragraph 26 were left unutilized :—

	RS.
1. Repairs to road from Aska to Ganjam	559
2. Branch lines at Ganjam	295
3. Special repairs to wooden bridges on the road from Jagannadapore to Purshottapore	285
4. Maintenance of drainage work at Ganjam	199
5. Repairs to the Chuttrum at Chetterpore	13
Total	1,351

49. The cause of not having utilized the full allotments is explained by the District Engineer as follows :—

In the case of the works Nos. 1 and 2, the late date on which sanction of funds was received. Timber required for the third work was not procurable during the year under report.

LOCAL FUNDS—CHICACOLE CIRCLE.

50. *Allotment and utilization of Funds.*—The amount allotted from Local Funds for new works and repairs during the year under report was Rupees 55,098, of which Rupees 16,396 were for new works and the rest for repairs.

51. The following table exhibits the funds allotted and expended under each head, together with the amount which remained unutilized at the close of the year under report :—

	Communications.			Buildings.			Sanitary and Miscellaneous.			Total.		
	Allotment.	Actual Expenditure.	Balance.	Allotment.	Actual Expenditure.	Balance.	Allotment.	Actual Expenditure.	Balance.	Allotment.	Actual Expenditure.	Balance.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
New Works...	15,747	12,124	3,623	...	...	...	650	578	72	16,397	12,702	3,695
Repairs ...	35,376	29,858	5,518	1,347	1,122	225	2,029	1,138	891	38,752	32,118	6,634
Total...	51,123	41,982	9,141	1,347	1,122	225	2,679	1,716	963	55,149	44,820	10,329

52. New Works—*Communications.*—Out of an allotment of Rupees 15,747, Rupees 12,124 were expended on the construction and improvement of roads, &c., as detailed below :—

No.	Name of Work.	Allotment.	Actual Expenditure.
		Rs.	Rs.
1	Road from Nowpadah to Vizagapatam frontier *via* Jagannadhapore.	2,810	1,219
2	Improving the road from Chicacole to Palcondah...	1,000	1,125
3	Converting five timber bridges on Trunk Road into masonry ones.	5,000	4,899
4	Do. do. on Malapetta road into do. ...	153	152
5	Do. do. on Tembur road into do. ...	474	374
6	Improving road from Chintada to Gara	1,600	987
7	Constructing a culvert on the road from Narasannapeta to Calingapatam.	468	362
8	Improving bridge across the Calingapatam road	115	105
9	Constructing tunnels on the road from Bommaly to Raghunadhapore.	620	308
10	Constructing seventeen tunnels on Jagannadhapore road ...	1,337	1,108
11	Completing bridge across Medagentulagedda on Palcondah road...	670	70
12	Nursery at Chicacole...	1,500	1,415
	Total...	15,747	12,124

53. *Repairing Road from Nowpadah to Vizagapatam Frontier.*—The estimate for this work is Rupees 8,770, of which Rupees 1,219 were expended during the year under report, while the total amount expended thereon from its commencement has been Rupees 5,995, leaving a sum of Rupees 2,775, which the Range Officer states is not required to be expended, as the road is said to be in good order. He remarks that any further expenditure on this road according to the estimate "would be simply a waste of money." He is further of opinion that "the improvement is quite unnecessary inasmuch as the road surface being in excellent order," and that the sum of Rupees 5,995 already expended on this road was unnecessarily wasted.

54. *Improving the Road from Chicacole to Palcondah.*—The estimate for the improvement of this road is Rupees 6,936, out of which Rupees 4,594 were expended up to the end of March 1875; but the Range Officer thinks that the improvement is unnecessary, and the work has therefore been stopped.

55. *Converting five Timber Bridges on Trunk Road No. 6 into Masonry ...*—The estimated amount for this work is Rupees 10,250, of which Rupees 4,058 were spent up to the end of the previous year, and Rupees 4,899 during the year under report. The total amount thus expended on this work has been Rupees 8,957, and the work was reported to be completed. The saving on the estimate is, therefore, Rupees 1,293.

56. *Conversion of Timber Bridges on Malapeta Road.*—The work has been completed within the amount of both the allotment and the estimate.

57. *Conversion of Timber Bridges on Tembur Road.*—Out of the amount of estimate, *viz.*, Rupees 474, Rupees 374 were expended during the year under report, leaving a balance of Rupees 100 to be expended during 1875-76. The District Engineer says that 533 cubic yards of gravel were dug and carted, but I fail to understand why so large a quantity of gravel was considered necessary in converting timber into masonry bridges.

58. *Improving Chintada and Gara Road.*—A sum of Rupees 986 was expended in collecting materials against an allotment of Rupees 1,600 and against an estimate of Rupees 3,430.

59. *Constructing a Culvert on Road from Narasannapeta to Calingapatam.*—Work completed.

60. *Improving the Bridge across the Calingapatam Road.*—Work completed.

61. *Construction of Tunnels on the Road from Bommaly to Raghunahapore.*—The estimate for the construction of two culverts on this road is Rupees 620, of which one was completed at a cost of Rupees 308 and the allotment for the second relinquished.

62. *Construction of seventeen Tunnels on the Road from Jagannadhapore to Jirjangi.*—A sum of Rupees 1,108 was expended out of an estimate of Rupees 2,337. Seven tunnels were completed and four more are in progress.

63. *Completing the Bridge across Medagentulagedda on Palcondah Road.*—Rupees 670, and Rupees 70 were expended during the year against an estimate of Rupees 670, and the work is in progress.

64. *Nurseries and Avenue Plantations.*—Out of an allotment of Rupees 1,500 made by the Local Fund Board, Rupees 1,415 were expended during the year under report. Five nurseries were maintained in the following villages :—

1. At Chicacole.
2. „ Narasannapeta.
3. „ Gara.
4. At Hiramandalam.
5. „ Casibugga.

Plants and cuttings have been planted along 140 miles of different roads.

65. *Sanitary and Miscellaneous.*—The following were the works executed under this head :—

	Estimate.	Actuals.
	Rs.	Rs.
1. Draining the town of Calingapatam	600	530
2. Constructing a Cook-room for the Travellers' Bungalow at Narasannapeta	50	48
Total...	650	578

63. *Draining the Town of Calingapatam.*—The work is in progress, 450 cubic yards of earthwork having been done.

67. *Constructing a Cook-room for the Travellers' Bungalow at Narasannapeta.*—Work completed.

68. REPAIRS—*Communications.*—The following roads were maintained during the year :—

No.	Name of Work.	Allotment.	Expenditure.
		RS.	RS.
1	Trunk Road from Chicacole to Casibugga...	7,500	6,632
2	Road from Chintada to Gara	1,200	1,200
3	Do. from Chicacole to Calingapatam	1,731	1,731
4	Do. from do. to Palcondah...	1,250	1,249
5	Do. from Nowpadah to Vizagapatam frontier	1,800	1,773
6	Do. from Alikam to Hiramandalam	2,050	2,050
7	Do. from Tekkalipatam to Poondi	1,000	818
8	Do. from Narasannapeta to Kimedy boundary	800	800
9	Do. from do. to Calingapatam	700	690
10	Do. from Tekkaly to Kimedy boundary *viâ* Malapeta... ...	600	592
11	Do. from Nowpadah to Kimedy boundary	900	892
12	Do. from Bommaly to Raghunadhapore...	910	563
13	South approach to Chicacole bridge	130	130
14	Do. Kimedy boundary to Kimedy *viâ* Sarvakota	2,050	2,042
15	Do. from Kimedy boundary to Kimedy *viâ* Malapeta... ...	1,350	1,318
16	Road from Battili to Hiramandalam	2,800	2,512
17	Do. from Tekkaly boundary to Hiramandalam...	1,700	1,159
18	Do. from Kimedy to junction of Battili	1,560	1,554
19	Do. from the junction of the Varanasi and Kimedy road to the boundary of Palcondah	1,050	804
20	Do. from Malapeta bridge over Mahendra Tanya river to the boundary of Tekkaly	1,000	494
21	Repairs to Ferry boat at Suravaram	400	55
22	Do. to do. at Madapam		85
23	Do. to do. at Bhagirathipur		59
24	Do. to do. at Baleru		23
25	Emergent repairs to the bridge across Langulya river at Chicacole.	2,000	517
26	Repairing Neelagedda bridge on Palcondah road...	570	...
27	Do. Puliparty bridge on Palcondah road	325	116
	Total ...	35,276	29,858

69. *Trunk Road.*—Side ridges have been put up to the extent of eleven miles. This road is said to be in fair order, with the exception of sandy portions between Pata Tekkaly and Nowpadah.

70. *Branch Lines.*—All the branch lines, with the exception of those mentioned below, are reported to be in good order :—

1. Road from Alikam to Hiramandalam.
2. Do. from Chintada to Gara.
3. Do. from Chicacole to Calingapatam.
4. Do. from Battili to Nowpadah *viâ* Purla Kimedy.

71. *Buildings.*—Out of the allotment of Rupees 1,347 a sum of Rupees 1,122 was expended for the repairs of the following buildings :—

No.	Name of Work.	Estimate.	Expenditure.
		RS.	RS.
1	Repairs to the Travellers' Rungalow at Pata Tekkaly	365	34
		375	27
2	Do. to do. at Casibugga	466	340
3	Do. to do. at Gopaulpore	28	28
4	Do. to do. at Narasannapeta... ...	113	35
5	Do. to the Civil Dispensary at Kimedy...		
	Total ...	1,347	1,122

72. The first four works are completed and are reported to be in good order, and the fifth is in progress.

73. *Sanitary and Miscellaneous.*—The following works were repaired during the year under report under this head :—

No.	Name of Work.	Allotment.	Expenditure.
		RS.	RS.
1	Tank at Garabanda	444	...
2	Repairing Suryagundam tank at Arsavilly.	1,115	785
3	Repairs to Goodam tank at Kallepilli ..	330	213
4	Amount spent on wells in excess of Rupees 300 advanced for Famine Relief Works	140	140
	Total ...	2,029	1,138

74. The Board will find from the statement given in paragraph 51 that Rupees 3,695 remained unutilized out of an allotment of Rupees 16,397 made for new works and Rupees 6,634 out of that made for repairs, *viz.*, Rupees 38,752.

75. The sum of Rupees 3,695 which remained unutilized on new works belongs to the following items :—

	RS.
1. Road from Nowpadah to Vizagapatam frontier *via* Jagannadhapore.	1,591
2. Converting timber bridges into masonry ones on the road from Jirjanji to Jagannadhapore	101c
3. Constructing a tunnel on the road from Bommaly to Raghunadhapore	312c
4. Improving Chintada and Gara road	613
5. Completing the bridge across Medagentala gedda	600
6. Converting timber bridges into masonry ones on Tembur road ...	100
7. Constructing a culvert on the road from Narasannapeta to Calingapatam	106c
8. Constructing seventeen tunnels on Jagannadhapore road	229
9. Petty savings	168
	3,820
Deduct the amount expended over the allotment ...	125
Balance ...	3,695

76. The reason for not having utilized the allotments in full is due to the following causes:—

1st Work.—The first work was stopped on the report of the Range Officer to the effect that no improvement was required as the road was in a good state.

4th Work.—The full allotment provided for this work was not utilized owing to the inexperience of the Overseer who had received fresh from College.

5th Work.—This work was not commenced owing to the late date of allotment.

6th Work.—The cause of not expending the entire amount of allotment on this work was owing to the difficulty said to have been experienced in procuring labor.

8th Work.—The cause for leaving a balance unutilized on this work was the inexperience of the Overseer.

The other works have been completed.

77. The following are the particulars of the repairs of works on which Rupees 6,535 shown in the table annexed to paragraph 51 were left unutilized:—

		Rs.
1.	Repairs of Trunk Road from Chicacole to Cotturugga	869
2.	Do. road from Nowpadah to Vizagapatam frontier	27
3.	Do. do. from Tekkalipatam to Poondy	182
4.	Do. do. from Narasannapeta to Cotturupalam	10
5.	Do. do. from Bommaly to Raghunathapoke	347
6.	Do. do. from Kimedy boundary to Kimedy *via* Malapeta ...	32
7.	Do. do. from Baitili to Hiramandalam	288
8.	Do. do. from Tekkaly boundary to Hiramandalam	541
9.	Do. do. from the junction of Varanasi and Kimedy to Palcondah	246
10.	Do. do. from Matiapalli bridge over Mahendra Tanya river to the boundary of Tekkaly	506
11.	Emergent repairs to the bridge across Langulya river at Chicacole.	1,483
12.	Repairing of Neelagedda bridge on Palcondah road	570
13.	Do Puliparti bridge on Palcondah road	209
14.	Do. Suryagundam tank at Arsavilly	330
15.	Painting doors, &c., of the Kimedy Dispensary	78
16.	Repairs to Gudem tank at Kallepally	117
17.	Do. of Ferry boats	188
18.	Do. to tank at Garabanda	444
19.	Petty savings	168
	Total ..	6,535

78. The cause of not having utilized the full allotments is explained by the District Engineer as follows:—

In the case of works numbered 11, 12, 13, and 16, the late date on which sanction was received, and non-payment of the value of materials collected for Nos. 8, 9, and 10. Work numbered 14 was not executed in consequence of the bed of the tank having been under water. Work 16 was not completed in consequence, it is said, of there being "no way for driving the water from the centre of the tank." The full amounts allotted do not appear to have been needed in the case of the remaining works.

Submitted for the information of Government.

2. The expenditure from Imperial and Provincial Funds during the year under report amounted to Rupees 71,702 out of an allotment of Rupees 78,536, or 90·5 per cent. as compared with the expenditure of Rupees 60,386 (not Rupees

60,886 as stated in the present report) against an allotment of Rupees 65,092, or 91 per cent. in the previous year. The allotment prescribed in the Board's Circular Memorandum, dated 4th October 1875, No. 1,678, would have exceeded the report.

3. The outlay on communications was almost entirely confined to bridges executed under the superintendence of the Special Assistant Agent, Rupees 9,000 were expended on new roads, and Rupees 5,000 on repairs. The allotment for new buildings amounted to Rupees 23,609, of which only Rupees 15,783 were utilized. The short expenditure is explained to be due partly to the suspension of an Overseer in charge of some of the works and to the allotment of funds for others too late in the year. The principal item was the Hill Jail at Russelcondah.

4. The Board beg to call the attention of Government to the remarks at paragraphs 13 and 14 of the Collector's report on the very unsatisfactory manner in which the following works were executed:—

(1.) Construction of Tekkaly school building executed by contract, but certified by the Range Officer to have been improperly carried out.

(2.) Construction of a store executed at Collegepatam, the foundations having been forgotten by the Department Public Works subordinate in charge.

(3.) Repairs to the Principal Assistant Collector's office.

(4.) Construction of the Police station at Hiramandalam, completed in July. 1874 and stated to require repair in March 1875.

5. The outlay on repairs to irrigation works amounted to Rupees 32,769, the allotment having been exceeded by Rupees 2,769 owing to emergent works having been rendered necessary by the heavy rains in October and November.

6. The expenditure on salt works under the supervision of the Salt Deputy Collector amounted to Rupees 12,496, principally on repair to embankments, approaches, and channels.

7. The total amount of the allotments for new works and repairs from Local Funds in the two Circles was Rupees 1,29,649, of which Rupees 1,12,030 or 86 per cent. were utilized. The explanations of the short outlay appear to be satisfactory, but the want of attention to the Collector's representations in regard to the trunk road alluded to in paragraph 40 seems to call for explanation.

8. With reference to paragraph 30 the Board observe that the Government have in their Order of the 30th July 1875, No. 1,576, refused to sanction the plan and estimate for an iron girder viaduct.

(A true Copy and Extract.)

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

No. 237. Order thereon, 15th October 1875, No. 2,943.

ESTABLISHMENT, No. 15.

Communicated to the District Engineer, Ganjam, for report on the subject of the works referred to in paragraphs 4, and 7 of the Revenue Board's Proceedings.

2. Inquiry will be made in the Financial Department as to the prospects of bridges over the Vamsadhara river at Madapam (Byri) and over the Rooshkulie or

Proceedings of the Madras Government, Public Works Department,
15th October 1875.

Ganjam river being tolled remuneratively, so that the sanction for a loan to carry them out might be obtained from the Government of India.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the District Engineer, Ganjam.
„ Financial Department.
„ Board of Revenue.
„ Chief Engineer for Irrigation.
„ Revenue Department.

Exd. W. J. Lewis.
Spare Copies

Revenue 1875 Depte

№ 4318

Govt of {1875} Madras.

PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
GANJAM,
&c., &c., &c.

Dated October 15th.

Issued

Recd. Novr 5th Encl.

G. O., 15th October 1875, No. 2,943.

Ex Misc

OCTOBER.

Nos. 236 237

Public Works executed in the Ganjam District during 1874-75.—Passing orders on Proceedings of the Board of Revenue submitting, with remarks, the report of the Collector on —.

№ 2383

Ledgd

9 Novr/75