

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 2610

Press
~~Mis.~~

475-476

Dated: 26th October 1865.

Not to be folded or roughly handled*Shree*
25/10/65

*Proceedings of the Madras Government, Revenue Department,
25th October 1865.*

No. 475. Read the following Proceedings of the Madras Government in the
Public Works Department:—

Passing orders on the Report from the Collector
of Kistna on the operations of Public Works } (Here enter 20th October 1865, No. 3,128.)
in the District during 1864-65.

No. 476. ORDER THEREON, 25th October 1865, No. 2,610.

Miscellaneous

Ordered to be recorded.

(True Extract.)

(Signed) J. GROSE,
Acting Under Secretary to Government.

Exd. S. T. Augustin.

Proceedings of the Madras Government, Public Works Department,
20th October 1865.

No. 470. Read the following Proceedings of the Board of Revenue, dated 29th September 1865, No. 6,128:—

Read the following letter from the Collector of the Kistna District, to the Acting Secretary to the Board of Revenue, dated Masulipatam, 11th August 1865, No. 131.

1. I have the honor to submit my report on the operations of the Public Works in this District, during the official year 1864-65.

2. The total expenditure in the year under report, inclusive of advances, was Rupees 4,24,781-15-10.

3. The subjoined abstract shows the particulars of the expenditure compared with the results of the previous year, from which it will be seen that there was a net increase of Rupees 62,365 over the expenditure of the previous year:—

Works.	Expenditure in 1863-64.	Expenditure in 1864-65.	DIFFERENCE.		Estimate for 1864-65.
			Increase.	Decrease.	
NEW WORKS.	RS.	RS.	RS.	RS.	RS.
Irrigation	2,01,856	1,68,446	...	33,410	
Communications	7,251	32,577	25,326	...	
Buildings	10,939	7,074	...	3,865	
Total...	2,20,046	2,08,097	25,326	37,275	
REPAIRS.					
Irrigation	1,08,016	1,62,551	54,535	...	
Communications	21,982	41,535	19,553	...	
Buildings	3,695	6,945	3,250	...	
Total...	1,33,693	2,11,031	77,338	...	
BOATS.					
Bridges	970	1,492	522	...	
Ferries	7,708	4,162	...	3,546	
Advances in addition.					
Total...	8,678	5,654	522	3,546	
Grand Total...	3,62,417	4,24,782	1,03,186	40,821	4,25,263
Deduct Decrease			40,821		
Net Increase...			62,365		

4. The new works of irrigation and improvements to old works resulted in an increase of 5,151 acres in the extent of land watered, and of Rupees 49,174 in the assessment above the preceding year, as shown in the margin.

Year.	Land cultivated by means of Anicut irrigation.	Jamabundy Sist. Rupees.
1273...	131,629	5,34,369
1274...	136,780	5,83,543
Increase...	5,151	49,174

5. I beg to subjoin notes of some of the most important works classed under their respective heads.

NEW WORKS.—IRRIGATION. The total outlay under this head during the year was Rupees 1,68,446.

The works executed all form part of the Kistna Anicut Project already sanctioned and approved.

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Poollair Canal.

1. Embanking channel from Poollair along Polrauzoodoo and its continuation to the Comalair swamp	Rs. 1,237
2. Excavating a branch channel from Polrauzoodoo at Gurajah to Cheguruootah	2,712
3. Excavating a channel from Poollair at the head of Polrauzoodoo to Buntumilly	8,018
4. Constructing a lock at the head of proposed channel from Poollair to Buntumilly	5,654
5. Do. a calingulah do do	3,808
6. Do. four calingulahs across Poollair between the head of Polrauzoodoo for regulating the supply to Poollair and Tolechieria cut	1,442
7. Do. lock at Pamurroo at the head of a channel leading from Poollair to Masulipatam canal	127
8. Constructing an irrigation canal from Poollair to Pamurroo to irrigate the lands from Ryves' branch channel to Gudivada	3,393
9. Constructing a head sluice to Butter Codoo and excavating a channel from Poollair to Chutturum	553
	<u>26,942</u>

6. Of the above sum, Rupees 26,942-8-8 were laid out in widening the lower portion of the Poollair channel, and executing other subsidiary works in connection therewith, as enumerated in the margin.

7. Rupees 25,020 were expended in widening the western branch channel from Vullabhapuram to tide-water. Fair progress has been made both in the main channel and in the side channels.

The sluices at Vellatur and Kollur have also been completed.

8. Rupees 38,107 were expended in constructing the Commamoor channel from the twenty-eighth mile from the head to the road leading from Inkollu to Chinna Ganjam with subsidiary works, seven and a half miles of this have been completed, while three and a half miles were dug to one yard in depth, the rest being in progress, and materials collected for masonry works. On the completion of this channel, a very large increase of wet cultivation may be expected in the Baupetlah Taluk.

9. A channel has been excavated at an outlay of Rupees 8,443 for the supply of drinking water to Masulipatam from Ankoomarroo lock to Sultanagrum bridge. This was rendered necessary by the cyclone, and was constructed on emergency. Without it, the inhabitants of the town would have been without fresh water to drink.

Tanks.

1. Improving and cleaning Moonnangy drainage and constructing under tunnel	Rs. 3,880
2. Constructing escape calingulah near Nursoyapa-lem	1,998
3. Do. Poottypaud	1,202
4. Excavating a drainage for conveying surplus and drainage water from lands about to be reclaimed from bed of Sandole tank	857
5. Enlarging the drainage channel from the road leading from Gudivada to Polrauzoodoo	833
6. Excavating a drainage channel in Masulipatam	719
7. Do. do. between Sultanagrum and tunnel under Masulipatam Canal	1,573
8. Re-constructing a tunnel under Masulipatam Canal near Sultanagrum	5,501
	<u>16,563</u>

COMMUNICATIONS.

32,577; of which, Rupees 8,477 were expended on metalled roads, and Rupees 1,752 in commencing to excavate a navigable canal from Masulipatam to the Salt Cotaur at Munganapooddy; this work, I regret to say, has since been stopped for want of funds.

BRIDGES.

13. Rupees 5,588 were expended in constructing a masonry bridge across Commamoor channel on the road from Guntoor to Baupetlah, and Rupees 9,055 for

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re-constructing the Sultanagrum bridge near Masulipatam on the road to Bezoarah, which was entirely destroyed by the storm of the 1st November last.

BUILDINGS.

14. Under this head, Rupees 7,074 were expended during the year, of which Rupees 2,999 were laid out in enlarging salt platform No. 7 at Chinna Ganjam, and Rupees 2,976 in making certain improvements to the Judicial buildings, such as Taluk Cutcherries and Police huts, &c.

REPAIRS.—IRRIGATION.

15. The expenditure on repairs of irrigation works was Rupees 1,62,551, of which Rupees 1,16,504 were for repairing irrigation canals; Rupees 38,656 for repairing tanks; Rupees 3,717 on dykes; and Rupees 8,673 on drainages. Repairs this year were unusually heavy owing to the damage done by the cyclone, and the very high rates at which every thing at that time had to be paid for.

COMMUNICATIONS.

16. Under this head, Rs. 41,535 were expended during the year, of which Rupees 17,364 were laid out on metalled roads, viz., Rupees 10,875 on repairs to seventy-two and a half miles of made road from Ibrampatam to the Nizam's frontier, and Rupees 4,062 on Trunk road No. 7 between Copperapaud and Nakrikul, the remainder on some other roads.

Unmetalled roads.

17. The road to Hyderabad between Masulipatam and Bezoarah has been repaired at an expenditure of Rupees 5,359, and the cause-way leading from the Fort to the Basin at Masulipatam at an expense of Rupees 12,031.

BRIDGES.

1. Temporary road-way over breach of Sultanagrum bridge	Rs. 1,391
2. Repairing Sultanagrum bridge	494
3. Repairing Pettah gate road-way over Fort ditch	86
4. Repairing Chintagootapalem bridge	48
5. Repairing Chinnapuram do.	45
	<u>2,014</u>

Accommodation for Travellers.

BUILDINGS.

19. Under this head, Rupees 2,167 were spent on repairs executed to the Travellers' Bungalows.

20. Some of the Revenue and Judicial buildings were repaired at a cost of Rupees 6,945. Sundry repairs to certain Military buildings were also executed.

GENERAL REMARKS AND RECOMMENDATION.

21. The past year has been altogether exceptional owing to the cyclone of the 1st of November. The destruction of works caused by it was so great that since its occurrence, the energies of the Officers of the Department Public Works have been chiefly directed towards repairing them, and this will account for the decrease in the sums spent on new works, and the increase under the head of "Repairs."

22. The completion and perfection of the Anicut Project has been steadily kept in view, and all the works of irrigation constructed in the delta form parts of the sanctioned scheme.

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23. The chief difficulty that Engineer Officers have to contend with, in carrying out the great plan of operation, is the accumulation of silt in the channels, by a careful attention to the slopes of the channels, and by separating as far as possible the channels for navigation from those purely for irrigation purposes; this evil has been somewhat mitigated.

24. As, however, every year adds to the numbers of miles of channels in use it becomes a serious question how these clearances are to be eventually provided for.

25. At present all but the very smallest channels are cleared by the Department of Public Works, and already the work is almost more than the Officers can, efficiently supervise.

26. It will be necessary to throw the burden of clearing the minor channels on the Ryots, but it will be a matter of some difficulty to frame rules by which the labour may be fairly and equitably distributed amongst the different villages, and it will require some consideration to determine how they shall be remunerated for their labour.

27. The Superintending Engineer and some of his more experienced Range Officers are giving their attention to this subject, and I hope before long that some feasible plan may suggest itself.

28. In my Report of last year I ventured to suggest the necessity of metal-ling the road between Bezoarah and Ibrampatam. I am happy to report that a sum of money has been sanctioned for that work, and that it is now in progress. I would again bring to notice the need of bridges over the Moonair and Palair rivers on the Bezoarah and Hyderabad road. The importance of keeping up a good road between Hyderabad and the nearest sea port is obvious.

29. The high level canal between Ellore and Bezoarah is destitute of bridges for a distance of thirty miles, and traffic is impeded.

The Superintending Engineer is about to submit plans for one at Kasarapelly, and another at Perikeed, which I trust may be approved.

30. The gradual reclamation of the Collair lake is also engaging that Officer's attention.

31. Several works, which were sanctioned shortly after the cyclone, have been discontinued for want of funds. I trust means may be found for their continuance another year.

32. I would more especially specify the canal from the basin to Mungana-pooddy salt pans as a canal for carrying salt, as a means of supplying the coast villages with fresh water for drinking, and as a protection to the town from inun-dation, this work is alike necessary.

33. The road from Masulipatam to Sullapilly, with which was combined a system of drainage from the town, and of embankment to protect the town, and the navigable canal from the floods, both of the Kistna and the sea on the south side, is also a most valuable project.

This work, as in the case of the last mentioned work, was commenced and afterwards abandoned. I trust it may be again taken in hand.

34. The question of increasing the supply of water from the Kistna in the channels is also one of great importance. In the month of October there is generally a great cry for water: the demand for water to bring the rice crop to perfec-

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tion is generally beyond the supply, and unless rain falls seasonably, there is always risk of a vast loss of crops. To remedy this a rough stone dam has yearly been placed on the top of the anicut, and with very good effect, but it is not suffi-cient, and it will be necessary in future to provide for the want in some more permanent manner.

1. Submitted for the information of Government. Under the extraordinary circumstances of the year, the Report is decidedly satisfactory. The remarks of the Collector in paragraphs 24 to 27 of his letter are, however, deserving of grave consideration, and the Board would request the special attention of Government to Mr. Thornhill's requests in paragraphs 31 to 33.

2. The Collector's remarks on the wants of the great north road, which appeared in his Report for the previous year, have not apparently received the atten-tion they deserved, though the road between Masulipatam and Bezoarah has been metalled. Mr. Thornhill's observations in paragraphs 28 and 29 of his present letter also merit attention.

(A true Copy and Extract.)

(Signed) R. A. DALYELL,

Acting Secretary.

No. 471.

ORDER THEREON, 20th October 1865, No. 3,128.

ESTABLISHMENT, No. 42.

1. Communicated to the Superintending Engineer of the 2nd Division.

2. Referring to paragraphs 24 to 27 of the Collector's letter, the Government will be glad to learn that arrangements have been made with the Ryots for their clearing out all the minor channels throughout the Delta on payment for their labor.

3. The Superintending Engineer will bring forward in his ensuing Budget such of the works referred to in paragraphs 31 to 33, as he may consider it desir-able to prosecute during the next official year.

4. The difficulty of supplying water to the annually increasing extent of land brought into cultivation under the Bezoarah anicut must necessarily continue till the channels are sufficiently enlarged.

5. The Government can find no mention in Mr. Thornhill's report of the Great North Road alluded to in paragraph 2 of the Board's Proceedings, nor do they gather from the report that the road from Masulipatam to Bezoarah has been metalled as stated by the Board.

(True Extract.)

Colonel, R. E.,

Secretary to Government.

To the Revenue Department.

" Board of Revenue.

" Superintending Engineer, 2nd Division.

Exd. T. O'Connor.

