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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No.	2637	Press
		Mis.
Dated	12-9-	18 64.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
12th September 1864.*

No. 221. Read the following Proceedings of the Madras Government in the Revenue Department;—

Recording Proceedings of the Board of Revenue submitting
the report of the Collector of Kistna on the operations of
the Department Public Works, in the District during
1863-64. } (Here enter 5th September 1864, No. 1,612.)

No. 222. ORDER THEREON, 12th September 1864, No. 2,637.

Ordered to be recorded.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,
Deputy Secretary to Government.

Exd. S. T. Augustin.

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*Proceedings of the Madras Government, Revenue Department,
5th September 1864.*

No. 63. Read the following Proceedings of the Board of Revenue, dated 19th August 1864, No. 5,332.

Read the following letter from G. THORNHILL, Esq., Collector of the Kistna District, dated Masulipatam, 30th July 1864, No. 152 :—

1. I have the honor to submit my report on the operations of the Department of Public Works for the official year 1863-64.

2. The total expenditure in the year under report, inclusive of advances (Rupees 7,708), was Rupees 3,62,417; the particulars of which are shown in the subjoined Statement, from which it will be seen that there was a net decrease of Rupees 72,491 as compared with the expenditure of the previous year :—

WORKS.	Expendi- ture in 1862-63.	Expendi- ture in 1863-64.	DIFFERENCE.		Estimate for 1863-64.
			Increase.	Decrease.	
NEW WORKS.	RS.	RS.	RS.	RS.	RS.
Irrigation	2,18,131	2,01,856	...	16,275	...
Communications... ..	36,368	6,681	...	29,687	...
Buildings	15,235	11,509	...	3,726	...
Total...	2,69,734	2,20,046	...	49,688	...
REPAIRS.					
Irrigation	1,04,612	1,08,016	3,404	...	...
Communications	22,870	22,952	82	...	...
Buildings	7,316	3,695	...	3,621	...
Total...	1,34,798	1,31,663	3,486	3,621	...
BOATS, BRIDGES, FERRIES.					
Salaries of Conservancy Esta- blishment... ..	18,064	...	...	18,064	...
Advances in addition	12,312	7,708	...	4,604	...
Total ...	30,376	7,708	...	22,668	...
Grand Total ...	4,34,908	3,62,417	3,486	75,977	4,52,192
Deduct Increase				3,486	...
Net Decrease				72,491	...

3. The new works of irrigation and improvements to old works, carried out during the year, resulted in an increase of 11,258 acres in the extent of land watered, and of Rupees 54,151 in the assessment, above the preceding year, as shown below :—

Faslis.	Land cultivated by means of Anicut irrigation.	Jumma bundy Sist.
	Acres.	Rupees.
1272	1,20,371	4,80,218
1273	1,31,629	5,34,369
Increase...	11,258	54,151

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

NEW WORKS.—Irrigation.

5. Rupees 6,059 were laid out on Ryves's channels and the subsidiary works in connection therewith, greatly to the benefit of the Gudiwadah Taluq.

6. In connection with the Masulipatam Canal, the following works were executed at an outlay set opposite to them amounting to Rupees 9,718. In the lower section of the Masulipatam Canal, two Lock Bridges, and the Tidal Lock and Calingulah have been completed; and the Canal was available throughout its entire length both for navigation and irrigation throughout the season, viz., from the beginning of June 1863, till the beginning of March 1864.

	RS.
Excavation of Canal from Pullair near Weyur to Canal Basin.	6,287
Akumarru Lock	2,595
Tidal Lock	337
Do. Calingulah	499
Total	9,718

7. Rupees 18,555 were expended in widening and improving the western bank channel from Vallabhapuram to tide water.

8. Rupees 52,641 were laid out on the Nizampatam Canal, and its branches as detailed below, and Rupees 32,223 in sloping down the banks of the main Channels for the first four miles from the southern flank of the Anicut, and enlarging the head of the main Channel from Seetanagaram to Duggiralah. These works have contributed largely to the increase of revenue in the Taluqs within the Guntoor Delta, and have rendered the Canal navigable to within two miles of Nizampatam. On the completion of the Tidal Lock, there will be uninterrupted navigation between the anicut and the sea at Nizampatam.

Nizampatam Canal.

	RS.
1. Widening, &c., of Tungabudra Channel	12,634
2. Tidal Lock at Ullore	7,129
3. Lock and Calingulah in the Nizampatam Canal near Intur	842
4. Additional Lock in do. between Intur and Tidal Lock	9,389
5. Channel from Duggirala to Peda Ravooroo	1,233
6. Do. from Peda Ravoor to Nizampatam	1,548
7. Improving Duggirala Calingulah	3,369
8. Tunnel for Nuckavagu Drainage	3,548
9. Embanking Commamoor Channel	7,445
10. Extension of Commamoor Channel	2,064
11. Constructing a Calingulah across Nallavada	2,091
12. A Head Sluice of Cherukoor Tank	335
13. Do. Lock and Head Sluice of the western bank Channel near Ravendrapad	149
14. Irrigation Sluices	600
15. Calingulah across Lake Calva	214
Total	52,641

9. The widening of the head of the main Channel from the Anicut to Duggirala Lock was most necessary, as, prior to its enlargement, it was not equal to supplying the western bank Channel, and Commamoor Channel in addition to keeping the main Canal full.

Ullore High Level Canal.

10. Much progress was made in improving the drainage of the country intersected by this Canal at an expenditure of Rupees 16,507.

Recommendation.

11. The Board are already in possession of Colonel Anderson's very full and able report on the completion of the Anicut project, dated 6th January 1863, No. 143, with the Proceedings of Government approving of it; the works now in hand are all part of that general project which it will take many years to complete; no remarks therefore on the requirements of the District in that respect are needed. I would however point out that as the system of irrigation

* Dated 12th February 1864.

spreads, the communication by land from place to place becomes more difficult, and that greater facilities in the way of Bridges and Ferries are required. This will be the more felt in the delta of the Kistna; as it has been found necessary to restrict the number of navigation Channels very considerably.

Colonel Anderson's Report, paragraph 40.

12. Great improvements are, I believe, possible in the neighbourhood of the Collair Lake, but on that point I have already addressed the Board separately.

13. With regard to the inland Taluqs, I believe general attention to the preservation of existing works is all that is at present needed.

Communications.

Road from Bezorah to the Hyderabad frontier.

14. The total outlay under this head during the year under report was Rupees 6,680-13-4, of which Rupees 1,286-15-0 were expended on the road between Bezorah and Ibrampatam; from Hyderabad frontier to Ibrampatam, this road has been well made, and is well kept up. From Ibrampatam to Bezorah it is much improved, but no metalling has been allowed for the middle section of three or four miles owing to the expense; this is a fatal omission which I strongly urge may be rectified. I also very strongly recommend the construction of Bridges over the Mooneyar and Palar; communication is always impeded by these unbridged streams and sometimes, in heavy rain, quite stopped. Were these two rivers bridged the Moosey, in the Hyderabad country, would be the only stream between Masulipatam and Hyderabad without a bridge. The cost would be considerable, but the road is of high importance both in a Military and commercial point of view.

15. A maintenance allowance of Rupees 150 a mile is allowed for the road from Masulipatam to Bezorah; that sum has been judiciously spent, and the road has been improved; but the greater part of it is of black cotton soil, and a single day's heavy rain renders it impassable. This was severely felt by the 19th Regiment on its march from Hyderabad last month.

Trunk Road No. 6.

16. Rupees 4,262 were expended on the high Northern road from Seetanagaram to Guntoor, which is the only portion of the Trunk Road No. 6 on which money has been spent in this year; there is a large balance of the sanctioned estimate for this road still unexpended, and I trust it will be made a really good road, as it is of great importance. There is always however great difficulty in obtaining labour in that part of the country.

17. To the south of Guntoor, it has long been contemplated to change the line. This ought to be carried out at once, as, in the meantime, there is scarcely a trace of the high road from Madras to Calcutta for many miles. It has also been long contemplated to make some change in the line north of Bezorah, where it follows the same track as the high level Canal, and no money has consequently been allowed to be spent upon it. It is much needed as a fine weather road when the Canal is closed. I would also bring to notice the great want of a good road from Guntoor through Vinukonda to the Kurnool frontier. This is a main line of communication, and would also open up a great extent of Cotton country.

Want of a road from Guntoor to the Kurnool frontier.

Coast road south of Masulipatam.

Buildings.

18. The coast road from Masulipatam southwards to the Kistna is also much needed, and is more than a mere local line; at present it is quite unmade.

19. The expenditure under this head in the year under report was Rupees 11,509. Of this sum, I beg to observe that Rupees 2,460 were laid out on the construction of the Civil Dispensary at Masulipatam. A Sea Custom House was constructed at Nizampatam at an outlay of Rupees 1,148. A Salt Cutcherry and platform at Mangalapudi were built at an expense of Rupees 2,031. The remainder was laid out on the construction and improvements of the buildings

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5th September 1864.

in the several Departments noted below. New Cutcherries in some Taluqs and improvements to others are urgently required:—

	RS.
Military Department...	342
Revenue do.	2,289
Ecclesiastical do.	329
Judicial do.	3,669

REPAIRS:—Irrigation.

20. The expenditure on repairs of irrigation works amounted to Rupees 1,07,770, of which the principal works are shown below. A sum of Rupees 5,074 was provided for rebuilding a portion of the Anicut front wall, to the length of about twenty yards, owing to a subsidence of the foundations occasioned by the river having taken a set in a new direction. The large outlay on the other works in the delta was for removing silt from the Channels, and for closing breaches in the embankment of the Kistna river, and other Channels. The Tanks in the high land Taluqs were also repaired as usual.

	RS.
1. Anicut at Bezorah ...	12,498
2. Masulipatam Canal and minor branches.	19,782
3. Ellore Canal ...	8,268
4. Ryves's Channel ...	1,376
5. Pullair... ..	9,493
6. Nizampatam Canal ...	12,615
7. Western bank Channel ...	6,143
8. Commamoor do. ...	8,243
	78,418
Tank and Drainages ...	28,983

Total ... 1,07,401

Communications.

21. I beg to note below the communications which were repaired from the maintenance allowance:—

	RS.
Repairing 33 miles of made road from Ibrampatam to Nizam's frontier...	4,950
Do. 17 miles of do. from Navabpetta...	2,550
Do. 14 miles of do. from do.	2,100
Do. Trunk Road No. 7 ...	2,944
Do. Hyderabad road between Masulipatam and Bezorah ...	6,817

Trunk Road No. 7.

22. Four drains were constructed on Trunk Road No. 7 between Nakarikallu and Copperapad at a cost of Rupees 519. The small sum assigned to this road has been spent in different places where it was most needed. A much larger allotment might with advantage have been laid out on it, as it is a line of importance, and ought to be kept in good order.

Salt Roads.

23. The salt roads from Arugollu to Buntoomilly and from Inkollu to Cadavacooroo were chiefly constructed out of "Local Funds," and have been noticed under that head in this year's report. They are properly speaking Imperial works, but when they were commenced in the year 1861-62, there were no Imperial Funds available, and as Local Funds were tolerably abundant at the time, these roads were made from them. I trust however that the sums so expended will now be re-imbursed to the "Local Funds," which are quite inadequate to meet even the "local" demands of this District.

Buildings.

24. Some of the revenue buildings were repaired at a cost of Rupees 250.

Proceedings of the Madras Government, Revenue Department, 5
5th September 1864.

1. Ordered to be submitted for the information of Government.
2. The results of the year's labours must be admitted to be satisfactory, but the condition of the roads is evidently deplorable, and the Board submit for consideration the larger portion of the District Budget provision might well be allotted for their improvement.
3. The Board are confident that Colonel Anderson will make the best possible use of all available funds.

No. 64.

ORDER THEREON, 5th September 1864, No. 1,612.

Miscellaneous.

Ordered to be recorded.

(True Extract.)

Deputy Secretary to Government.

To the Board of Revenue.

„ the Department Public Works.

Exd. T. O'Connor.

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