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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2784	Press Mis.
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Dated 26 - 9 - 18 64	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
26th September 1864.*

No. 540. Read the following Proceedings of the Board of Revenue, dated 13th September 1864, No. 5,991.

Read the following letter from G. L. MORRIS, Esq., Collector of South Canara, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, dated Mangalore, 29th August 1864, No. 150 :—

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

2. The expenditure of the year under report, as compared with that of the previous year, is given below ; and shows an increase of Rupees 11,087 in new communications ; but a decrease of Rupees 22,955 in new buildings. There is also the slight decrease of Rupees 2,600 in repairs to communications and buildings :—

	Expenditure of 1862-63.	Expenditure of 1863-64.	Increase.	Decrease.	Estimate of 1864-65 inclu- sive of grants from the Reserve Fund.
	RS.	RS.	RS.	RS.	RS.
NEW WORKS.					
Communications. ...	26,187	37,274	11,087		47,274
Buildings... ..	29,603	6,648		22,955	5,220
	55,790	43,922	11,087	22,955	52,494
REPAIRS.					
Communications. ...	37,393	35,684		1,709	42,100
Buildings... ..	6,787	5,896		891	6,000
	44,180	41,580		2,600	48,100
	99,970	85,502	11,087	25,555	1,00,594
Net decrease... ..				14,468	

3. I shall now enumerate the several works carried out during the year, with the progress made as regards each of them, and their present condition, &c.

1. NEW WORKS.—COMMUNICATIONS.—*Improving the Manjerabad Ghaut and the road between Siradi and the frontier of the District.*—The total estimate for this work has amounted to Rupees 9,022, out of which Rupees 4,431 have been expended up to the end of last year, the sum spent during the year under report being Rupees 3,519. Fever was prevalent among the coolies in March and April, and thus the whole amount available was not made use of. A new estimate for opening the road out to a minimum width of six yards has been sanctioned, and it is hoped that this will be completed by the end of December next.

2. *Unmetalled road from Pane-Mangalore to Neleskwer via Vittal and Hosdrug.*—Rupees 15,300 were entered in the Budget for this work for the year under report, and Rupees 14,084 were expended. In the previous year Rupees 9,841 were spent out of a sum of Rupees 10,000, sanctioned for that year. The total expenditure has therefore been Rupees 23,925 out of a sanction of Rupees 34,660. Twenty-four and a half miles of this road have been made to a width varying from four to six yards, and two bridges have been also completed. It is not yet made much use of; and will not be, I imagine, till it is finished.

3. *Travellers' Bungalow at Siradi.*—The estimate amounts to Rupees 2,420, and Rupees 1,154 have been expended in completing the foundations and collecting the materials required for raising the building. This work will be pushed on during the present year.

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1. **BRIDGE WORKS.**—ON THE MANJERABAD ROAD.—*Bridge at Gombutta.*—The estimate was Rupees 2,800. Of this sum Rupees 1,917 were spent last year, and Rupees 273 this year, completing the work for Rupees 2,220.
2. *Bridge on the 14th mile.*—The original estimate was Rupees 1,840, and Rupees 1,592 have been expended this year. The original estimate was raised, but the exact amount is not known in this office. The work has all been completed with the exception of the finishing of the approaches.
3. *Bridge near the frontier, No. I.*—The estimate was Rupees 770, and the work was commenced and completed for Rupees 727.
4. *Bridge near the frontier, No. II.*—The estimate was Rupees 970, and the work was commenced this year, and finished for 974 Rupees.
5. *Bridge near the frontier, No. III.*—The estimate was Rupees 1,750, and Rupees 721 have been spent during the year in completing the foundations to the head of the spring of the arch, and in collecting materials.
6. *Bridge near the frontier, No. IV.*—The estimate was Rupees 875, but only Rupees 119 have been expended in collecting materials.
7. *Bridge near the frontier on the 17th mile.*—The estimate was Rupees 1,840, of which Rupees 139 were spent last year, and Rupees 201 this year. Materials only have been collected for this bridge, but nothing else has been done from the difficulty experienced in obtaining labourers.
8. *Bridge at Kadanbala.*—This bridge was destroyed by the high floods in June 1863, and a fresh plan and estimate for Rupees 6,139 having been obtained, the piers and abutments were raised about ten feet above the bed of the river, and a good deal of materials collected at an expenditure of Rupees 1,923, during the year under report.
9. *Wooden Platform for Kajekar Bridge.*—The estimate was Rupees 750, and the work has been nearly completed for Rupees 713 during the year under report, all that remains to be done being a little planking.
10. *Bridge near Uppinangadi.*—The estimate was Rupees 410, out of which Rupees 361 were spent last year, and Rupees 75 this year, the work being completed.
It will thus be perceived that out of the ten Bridges which were sanctioned on the Manjerabad road, six are now complete, and four are in progress.
1. *Bridge over Mani Halla near Birtwal on the Charmadi road.*—The estimate was Rupees 4,120, of which Rupees 212 were expended last year, and Rupees 1,961 in the year under report. The work is progressing favorably, a large amount of laterite in chunam having been raised.
2. *Bridge over the Beltangadi Nullah on the Charmadi road.*—The estimate was Rupees 8,550. The work was commenced in January last, and four out of five piers have been raised as well as timber p aid for, Rupees 4,120 having been spent.
3. *Bridge over Mundaji Nullah on the Charmadi road.*—The estimate was Rupees 8,220, but only Rupees 2,726 have been expended. The foundations of three piers have been completed but not much else has been done.
4. *Bridge near Nidagul Nullah on the same road.*—The estimate was Rupees 11,830, and Rupees 2,480 have been expended during the year under report in raising the western abutments, and laying the foundation of some of the piers.
As regards the above four bridges on the Charmadi road, nothing can be said to have been completed, and they are only in progress. The works are large and the prevalence of fever in March and April, made their execution an arduous undertaking.

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1. **BUILDINGS.**—**REVENUE.**—*Completion of the Taluq Cutcherry at Uppinangadi.*—Rupees 1,680 expended during the year, and the work completed at a cost of Rupees 8,200.
2. *Completion of the Taluq Cutcherry at Udipi.*—Rupees 1,191 expended during the year, and the work completed at a cost of Rupees 6,161.
3. **POLICE.**—*Police Station House at Mangalore.*—Commenced and completed during the year at a cost of Rupees 1,847.
4. *Nine Police Station Houses and Huts.*—completed during the year. The amount expended during the year under report is Rupees 785.
5. **GENERAL.**—*Completion of the enclosure to the Engineer's Yard and Workshop at Mangalore.*—The estimate was Rupees 1,367, of which Rupees 762 were spent last year, and Rupees 312 this year. The work has been completed.
6. **MARINE.**—*Extension of the Quay at Mangalore.*—The estimated work completed. Amount spent Rupees 1,244.
All the aforesaid buildings having been completed, the Cutcheries and Police Station houses have been occupied, and are now made use of. The Cutcheries have been pretty well built on the whole, but they have an unfinished appearance owing to the walls not having been carefully white-washed or painted.
1. **REPAIRS.**—*Trunk Road No. II to Mercara.*—The allowance was Rupees 6,600, and the whole of it has been spent. This road is bridged throughout, and on easy gradients. It suffered much from the heavy rains in 1863, but is quite practicable for wheeled traffic. A large quantity of metal has been collected along its whole length, which will be laid at the close of the present monsoon.
2. *Manjerabad Ghaut Trunk Road No. III.*—The allowance was Rupees 3,000, of which Rupees 2,991 have been expended during the year under report. The first section of this road from Mangalore to Uppinangadi is bridged throughout, as far as the Charmadi river, and is in good order. The next portion from Uppinangadi to Siradi is in tolerable order with the exception of some rough places; and is quite practicable for carts. The only obstruction to traffic in the monsoon is the Cadambala river over which a bridge is now being built for the fourth time. The great fault of this road which can now be hardly altered, is that the gradients in places were at first laid out much steeper than they need have been. From Siradi to the frontier, the old road is certainly in a very bad state, and the gradients here and there very steep: but new traces have been made by the Assistant Engineer, and when these are completed, the gradients will not be more than one in nineteen. Fever was very prevalent in this locality for some months in the year under report, and as much progress as could have been desired, was not therefore made.
3. *Halidi Road Circuit.*—The allowance was Rupees 10,180, and Rupees 10,229 have been expended. It is in pretty good order, and in addition to ordinary repairs, three bridges have been built, and a fourth has been very nearly completed.
4. *Mani road junction with Road No. III.*—The allowance is Rupees 1,000, and Rupees 997 were expended. This road is in very good order, and the money has been well laid out.
5. *Puttur junction road.*—The allowance is Rupees 200, of which Rupees 199 have been expended. This road is in fair order, and quite good enough for the traffic, which is not heavy.
6. *Mangalore streets.*—The allowance is Rupees 300, of which Rupees 283 have been spent. The streets on the whole are in good order.
7. **UNMETALLED.**—*Charmadi Ghaut and road.*—The allowance is Rupees 4,000, the whole of which has been spent.
This road is now quite practicable in the dry weather, and when the bridges now sanctioned are completed, it will be passable in all seasons. The chief work done during the year, was widening the Ghaut out to its width of six yards. The traffic was curtailed much last season,

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owing to some heavy works being in progress on the Mysore side, and which are now completed. This road was first widened for cart traffic in the season 1862-63, and in the approaching season it ought to be fully opened, but like all new ghauts, the work is reported as being continually delayed by the slips that occur each monsoon until the earth gets settled.

The surface of the road is still very rough in places, but is being improved as fast as the supply of labor and the maintenance allowance will permit.

8. *Road from Karkal to Mangalore.*—Rupees 3,296 were spent during the year under report out of the discretionary allowance of Rupees 10,000. The soil of the road is good, and it is in fair order, but not practicable for carts throughout, in consequence of some of the nullahs wanting bridging.

9. *Road from Mudbidri to Beltangadi.*—Rupees 2,022 were spent out of the aforesaid discretionary allowance of Rupees 10,000 during the year under report. About six miles of this road have been opened out to four and six yards in width, but much more will require to be done to render it quite practicable for wheeled conveyances.

10. *Road from Beltangadi to Uppinangadi.*—Rupees 1,994 were spent out of the discretionary allowance. Rather more than four miles of new road has been opened out to four yards width at the above cost, leaving about six miles more to be finished; but the last three miles of this on the Beltangadi side is naturally level, and is even now used by carts.

11. *Road from Kasergode to Jalsar.*—Rupees 1,649 were expended out of the discretionary allowance, but as the gradients are too steep for loaded bandies, much of the work will have to be done over again.

BUILDINGS.

	Accommodation for travellers...	Expended Rs.	
Military...	...	1,309	These consist of the ordinary monsoon repairs, and do not call for any particular remark.
Revenue	...	1,198	
General	...	3,481	
Ecclesiastical	...	138	
Judicial	...	81	
		998	

Ordered to be submitted for the information of Government. As a progress report it is satisfactory, but the Collector should have stated how far the expenditure was commensurate with the available Budget provision, and in future reports, he will not limit himself to noticing works in progress. Work which is needed but has not been undertaken should be prominently noticed, and the Collector should annually report his opinion of the position and requirements of his District as regards public works, and especially roads and communications. On the present occasion he has omitted all mention of the Coloor and Agoombi Ghauts.

(A true Copy and Extract.)

(Signed) W. HUDLESTON, Secretary.

No. 541.

ORDER THEREON, 26th September 1864, No. 2,784.

Communicated to the Superintending Engineer, 7th Division.

(True Extract.)

(Signed) J. H. M. SHAW STEWART, Major, R. E.,

Deputy Secretary to Government.

To the Superintending Engineer, 7th Division.
,, Board of Revenue.

Exd. S. T. Augustin.

PM 18th 1864 (4)
 No. of Jan. 1864
 No. 24063

Proc: of the Board of Rec.

Dated 73 }
 Dec 15 } Sept 1864
 Recd 15 }

No 5991

Submitting for
 information, report
 of the J. L. of South
 Carolina on the operations
 of the S. R. R. Dec 15 for
 the year 1863/64

Nov 27 84 - 26th Sept 1864

With an order -

Nov 27 84

Sept 1864 }
 26th Sept 1864 }

Sept 1864 }
 26th Sept 1864 }

To the Supt. General
 of the Division of
 the S. R. R. of South
 Carolina

No 87

Oct 27th 1864