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MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No. <u>2641</u>	Press <u>Mis.</u>
<u>75-76</u>	
Dated <u>4-11-</u>	<u>18 70.</u>

Not to be folded or roughly handled*SP*

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Proceedings of the Madras Government, Public Works Department,
4th November 1870.

No. 75. Read the following Proceedings of the Board of Revenue, dated 21st, September 1870, No. 5,816:—

Read the following letter from the Collector of Malabar, to the Acting Secretary to the Board of Revenue, dated Calicut, 19th August 1870, No. 301 A.

Communication—Repairs.

Repairs to Chettatodu, Multodu, Chemboti, Cheriapalam, and Edavalath bridges and roads in Wynaad Talook	RS.	A.	P.
...	140	14	0

Buildings—Repairs.

Monsoon repairs to public bungalow in Malabar	RS.	A.	P.
...	500	0	0
	640	14	0

I HAVE the honour to submit my report on the works executed from Imperial Funds during the official year 1869-70.

2. The subjoined statement shows the several sums expended under the heads of Irrigation, Communication, Building, and Miscellaneous, as contrast-

ed with the outlay in the preceding year:—

Items.	1868-69.	1869-70.	Increase.	Decrease.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
<i>Irrigation.</i>				
Repairs ...	1,140 9 10	2,746 1 5	1,605 7 7	.....
<i>Communication.</i>				
New ...	2,86,026 1 7	1,50,291 10 4	.....	1,35,731 7 3
Repairs ...	89,023 2 0	74,545 1	.....	14,478 0 9
<i>Buildings.</i>				
New ...	2,26,193 15 7	1,85,500 14 3	.....	40,693 1 4
Repairs ...	18,791 7 9	20,622 15 6	1,831 7 9	.....
Miscellaneous ...	114 0 0	892 13 6	778 13 6	.....
	6,21,289 4 9	4,34,509 8 3	4,215 12 10	1,90,905 9 4
Expenditure by Revenue Department ...	.....	640 14 0	.....	.....

3. IRRIGATION.—There are no irrigation works of any importance in this district, and the expenditure of Rupees 2,746 under this head relates only to the repairs of the Yenamakal and Veatil dams in the Ponany Talook.

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4th November 1870.*

4. COMMUNICATIONS.—On Communications there was an outlay of Rupees 2,24,978 principally on the works noted below :—

	Amount of Estimate.	EXPENDITURE			Total.	Balance of Estimate.
		Up to 1867-68.	In 1868-69.	In 1869-70.		
	RS.	RS.	RS.	RS.	RS.	RS.
Peria Ghaut new trace.	1,33,238	92,173	30,562	11,000	1,33,735	.....
New trace from Manantoddy to Coorg frontier	42,400	12,556	13,164	9,998	35,718	6,682
Tambracherry Ghaut...	2,79,367	1,35,988	83,258	31,567	2,50,813	28,554
Karkoor Ghaut	1,07,400	74,005	16,786	8,094	98,885	8,515
Road below Karkoor Ghaut from Mambat to Kundoti	90,230	35,891	36,127	14,876	86,894	3,336
Bridges over Cherupoya and Nelambur rivers on the road from Mambat to the foot of Karkoor Ghaut...	71,000	30,914	18,902	15,757	65,573	5,427
Improving portion of the road which lies between the foot of the Tambracherry Ghaut and Calicut...	17,500	.....	.....	10,085	10,085	7,415

An account of the number of miles of road on which work was done during the year will be furnished shortly.

5. BUILDINGS.—In the construction and repair of buildings Rupees 2,06,624 were expended. The outlay under each department is shown in the subjoined statement :—

Description.	New Works.			Repair.			Total.		
	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.
Military buildings	46,472	11	0	16,882	6	9	63,355	1	9
Revenue do.	40,851	2	0	3,740	8	9	1,42,763	12	0
Judicial do.	95,792	1	3						
Ecclesiastical do.	2,855	0	0						
Total...	1,85,500	14	3	20,622	15	6	2,06,123	13	9
Expenditure by the Revenue Department				500	0	0	500	0	0
Total...	1,85,500	14	3	21,122	15	6	2,06,623	13	9

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4th November 1870.*

6. The following are the works on which the largest expenditure was incurred during the year under report :—

	Amount of Estimate.	EXPENDITURE			Total.	Balance of Estimate.
		Up to 1867-68.	In 1868-69.	In 1869-70.		
	RS.	RS.	RS.	RS.	RS.	RS.
Central Jail at Cannanore	3,27,000	92,696	89,704	57,260	2,39,660	87,340
Workshops for the European Infantry at Cannanore	14,300	.....	.....	9,780	9,780	4,520
Talook Cutcherry at Tellicherry	30,000	.....	11,017	11,484	22,501	7,499
New District Jail at Calicut	85,900	56,047	24,379	5,780	86,206	.....
Lunatic Asylum at Calicut	31,000	.....	9,938	12,612	21,550	8,450
Talook Cutcherry at Manjeri	25,000	.....	2,625	10,701	13,326	11,674

It will be seen that the outlay on public works during the year has been very limited. This, as the Board are aware, was owing to financial difficulties, work on most important and urgent projects having been suspended. Hence, the state of the public works has not materially improved since the date of the last report, and the remarks made therein apply with more, less force to many of the works notwithstanding the lapse of one year.

7. I shall now briefly notice the state of the several works.

8. *Coast Road No. XX.*—Beyond the usual repairs to the roadway, nothing has been done on this road during the year. The Mooriat and the Mahé bridges are reported to be in a dangerous state, and the wooden piles of the Elatur and Koodakadavu bridges have not been re-placed. The state of this road will never be satisfactory till iron screw-pile bridges are erected, but I doubt whether funds to the extent required will be forthcoming for some time to come. It should be borne in mind that Rupees 7,700 are annually contributed from the District Road Fund for the up-keep of this road.

9. The Board are aware that all the three ghauts* are open for traffic, and tolls are being collected at the ghaut heads.

The Peria Ghaut is reported to be complete. The road below to Cannanore is in good order. A bridge at Mambam where the road crosses the Anjerakandy river is much required. The roadway above to Manantoddy and Mysore is not equally good. The gradients, it would appear, are very steep in many places. Considerable work has been done on the road between Manantoddy and Mysore. From this road at about the seventh mile from Manantoddy branches off the road to Coorg. It is reported to be opened and bridged to the frontier.

10. The road from Cannanore to Coorg is not in good order. It requires metalling throughout, and its gradients have to be improved in several places. There is a temporary suspension of traffic on this road from Coorg, owing to the Irity bridge below Perambady Ghaut having given way during the year. The Coorg

authorities will no doubt soon re-build it, and it is hoped that, with the allotment for the road proposed in Board's Proceedings, dated 4th instant, No. 5,173, good work will be done on it before the close of the current year.

11. On the Tambracherry Ghaut Rupees 31,567 only were expended against Rupees 83,258 of the previous year.

In January 1870 work was stopped as per Government Order, dated 29th December 1869, No. 4,015. This is much to be regretted. During the last coffee season, however, considerable cart traffic passed over the ghaut to Calicut.

12. The road below to Calicut is in good order, and that above to Lackadie and Sultan's Battery to the frontier has been greatly improved. The road is open throughout, and some very good bridges have been built, especially one over the Koonooth river, which is nearly completed.

13. On the road from Tambracherry *via* Teriote to Manantoddy there are temporary bridges which require frequent repairs. An iron pontoon raft is being constructed over the Manantoddy river. This will complete the communication from Manantoddy to Panamaram, the road having been diverted so as to make the five miles out of Manantoddy common to both roads. The road is now made up to Panamaram. From Panamaram to Sultan's Battery it is merely a jungle track, only petty repairs having been executed during the year.

14. Very little work has been done on the roads from Panamaram to Kalpetta and from Kalpetta to Sultan's Battery.

15. On the Karkur Ghaut Rupees 8,094 were expended during the year. The road below *via* Edakarra to Mamba is still under construction. The track is good, and the roadway is in fair order. The bridges over the Cherupoya and Nelambur rivers have not made much progress, Rupees 15,757 only having been expended during the year. This is greatly to be regretted, as the utility of the road for bringing down the coffee crop of South Wynaad is seriously impaired. But little progress has likewise been made on the road from Mambat to Kundoti, only Rupees 14,875 having been expended and work stopped.

16. On the road above from Karkur Ghaut to Gudalur and from Gudalur to Tippacaudoo the progress made was equally unsatisfactory, only Rupees 720-9-3 having been expended on the former and Rupees 3,790 on the latter.

17. The high road from Calicut to Palghaut is in good order. The Cootlan gadi bridge is not yet completed. Rupees 5,914 were expended on it during the year. The necessity for re-constructing the bridge at Mamali has been repeatedly brought to notice.

As this now forms a section of the Karkur Ghaut road, it is the more essential that the bridge should be undertaken.

18. MISCELLANEOUS.—On the Central Jail at Cannanore Rupees 57,260 were expended during the year. The District Jail at Calicut has been completed, and is at present occupied. A portion of the compound wall fell down lately, and has since been re-built.

19. The Pier work at this station is making steady progress under the management of Mr. Maylor, and will, it is hoped, be completed during the current year.

The materials were landed just before the beginning of the monsoon, and a third of the length has been completed, the work having been carried on regardless of weather.

20. Work on the Subsidiary Jails at the stations noted in the margin has made but little progress, it having been suspended under the recent orders. The unfinished state of the works, and the damage caused by the stoppage of work on them, have been represented, but without effect. I may mention, in parti-

Chowghaut.	Angadipuram.
Pudiengadi.	Cherpulcherry.
Palghaut.	Ponany.
Alatur.	Badagerra.
Cochin.	Quilandy.
	Tiruvangady.

cular, the Subsidiary Jail at Chowghaut, which only required a roof to be placed over it, the rest of the work having been completed.

21. The Talook Cutcherry at Manjeri is still left incomplete; at Tellicherry, for want of some 7,000 Rupees, the Talook Cutcherry now building cannot be occupied. The inconvenience resulting from the Tahsildar being stationed some 3 miles away from Tellicherry, and the saving that will be effected in the cost of establishment by the Tahsildar's removal to the town, have been brought to notice in my letter, dated 4th June last, No. 207, and it is hoped that the necessary funds to complete this building will be provided at an early date.

22. The want of a Lunatic Asylum at Calicut is greatly felt, and Rupees 8,450 are required to complete the building on which work was commenced two years ago. I trust it will be completed and occupied during the current year.

23. The necessity for providing speedy accommodation for the Deputy Collector's and Tahsildar's Cutcheries in Wynaad has repeatedly been brought forward.

24. The above are the most urgent wants of the district in regard to public works. Other works of comparatively small importance have also been treated of in former reports, but as there is little prospect of their being taken in hand before another year, I hope to refer to them in my next report.

ENCLOSURE No. 1.—Statement.

This report on the public works of Malabar for the year 1869-70 will be submitted for the information of Government.

	RS.	
Expenditure 1868-69 ...	6,21,289	
Do. 1869-70 ...	4,34,600	
	Decrease...	1,87,689

2. There occurred a large falling off in expenditure as compared with the previous year chiefly in Communication (new) Rupees 1,35,734 and Buildings (new) Rupees 40,693.

3. IRRIGATION.—Rupees 2,716 were expended on repair of the Yenamakal and Veatil dams. There are no public works of irrigation in Malabar.

4. COMMUNICATION.—The Peria Pass, etc., was completed during the year, and is, on the whole, favourably reported on (paragraph 9). A bridge is urgently wanted at Anjerakandy between its foot and Cannanore, and improvement of the

section between the head of the ghaut and Manantoddy is much needed. The lines east of Manantoddy to Mysore and Coorg have been improved, and the latter is bridged throughout.

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5. The Tambracherry Ghaut has cost Rupees 2,50,813, and Rupees 23,554 are wanted to complete it. Considerable coffee cart traffic passed down the unfinished ghaut during the year. The road from Calicut to the foot is in good order. That from the top to Sultan's Battery has been improved, and that to Manantoddy via Teriote is fairly passable.

6. The Karkur Pass has cost Rupees 98,835, and Rupees 8,815 remains to complete the estimate. It is opened for traffic, but the Edakarra and Mambat section of the road from the foot is in an incomplete state, which much impedes traffic, and the bridges over the Cherupoya and Nelambur rivers should be proceeded with without delay; the balance is not large. From the head of the ghaut to Tippacaudoo, the line is bad, and funds are required.

	Estimate.	Expenditure.	Balance.
Estimate	1,07,400		
Road	RS. 90,230	RS. 86,894	RS. 3,336
Two bridges ...	71,000	65,573	5,427

7. The coast road and the western road to Palghaut are reported to be in working order. But several bridges on the former required to be renewed with screw-pile structures, and the Collector urges the construction of a bridge at Mamali where both the western line and the Karkur Pass line cross the river.

8. The great Military road from Cannanore to Coorg is in bad order, and traffic is impeded by the fall of the Irity bridge (Coorg). This serious matter is one for the consideration of Government.

Buildings.	Estimate.	Expenditure.	Balance.
Central Jail, Cannanore	RS. 3,27,000	RS. 2,39,660	RS. 8,71,540
District Jail, Calicut	85,900	86,206	...

9. The Central Jail at Cannanore progresses, and the District Jail at Calicut has been completed.

10. The Pier makes good progress.

11. The Collector notices (paragraph 20) eleven Subsidiary Jails lying in an incomplete state, and specially desires to complete the roof of that at Chowghaut. It is very desirable that funds should be allotted.

	Estimate.	Expenditure.	Balance.
Manjeri	RS. 25,000	RS. 13,326	RS. 11,674
Tellicherry	30,000	22,501	7,499

Estimate	RS. 31,000
Expended	22,550
To complete	8,450

12. The Talook Catcherries of Manjeri and Tellicherry should be completed without delay. Considerable saving on establishment is delayed, and much inconvenience is caused by the non-completion of the latter.

13. The Collector urges the completion of the Lunatic Asylum at Calicut.

*Proceedings of the Madras Government, Public Works Department,
4th November 1870.*

O. 76. ORDER THEREON, 4th November 1870, No. 2,641.

ESTABLISHMENT, No. 10.

COMMUNICATED to the Superintending Engineer of the 7th Division.

(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R.E.,
Secretary to Government.

to the Acting Superintending Engineer, 7th Division.

With an order
26/11/70 Rtd 22

PROCEEDINGS 21ST SEPTEMBER 1870, No. 5,816.

Received 30th Sept^r/70- Encl. 1

SEPTEMBER.
No. 5,816.

Public Works—in Malabar District, executed from Imperial Funds during 1869-70,—Collectors report on, submitted to Government, with remarks.

No 2641-4 Towns
With an oval

Oct 70 Ret 22

C/23876
Govt. of 1870: 311115.

PUBLIC WORKS.

To the *Superintending Engineer*
of the *Division*

Dated

Encl /

Recd.

G. O. 4th August, No 2644.

No. 75-76
Public Works. Mr. Mr. B^d of
Revenue on the *Revenue Report*
on the progress of Public Works
in the Malabar District for
1869/70, Com^d to the *Superintendent*
of the *Division* -