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(2) Date of repair.....

(3) Initials of the Reference.....

MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No.	9	Press
		Mis.
Dated	4-1-1866	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
4th January 1864.*

No. 18. Read the following Proceedings of the Board of Revenue, dated 9th December 1863, No. 7,751:—

Read the following letter from J. W. B. DYKES, Esq., Collector of Nellore, to W. HUDLESTON, Esq., Secretary to the Board of Revenue, dated 18th November 1863, No. 391.

SIR,

1. I have the honor to report on the progress of Public Works in this District in 1862-63.

2. The total expenditure was a lac and seventy-thousand in round numbers; and, of this sum, half or eighty-five thousand went to Irrigation, half to communication and buildings.

3. Buildings represent some nine-thousand Rupees; of which again half was paid out to the Superintendent of Police for Police huts, and need not further be referred to here; whilst the balance was for a Police Station, a Church Chancel, &c., and buildings for the Salt Department, an item, that, if salt stores are found necessary, will before long assume very different proportions.

4. In communications we have been making progress. As regards Musunuru nothing was done, save passing an Order in the Central Office, that there shall be an iron bridge; and, as regards Manubole, another bad break in the great coast road, matters were similarly I believe at a dead lock. But otherwise the coast road is in good order with very trifling exception from the Mannair to the salt-water creek* at the south-west corner of the Pulicat lake; and the assistance thus given to traffic is invaluable.

* 130 miles.

5. The cause-ways that have been built where bridges were washed away meet fully our requirements, bid fair to last, and I would strongly recommend should be adopted instead of an iron bridge over what will be dry land for the greater part of the year,† and over what much of it might be made dry land‡ were a cause-way skilfully managed.

† Musunuru.

‡ The creek referred to, in the preceding paragraph, and known as the Punugadu back-water.

6. The new works on communications amount altogether to Rupees 35,700, of which Rupees 9,400 were expended on the coast road, Rupees 15,400 on cross cotton roads, and Rupees 10,700 on the Guduru and Dugarazupatnam road.

7. As "cross cotton roads," I refer to, first, the Cumbum, Ongole, and Kottapatnam; secondly, the Dorenal, Nellore, and Krishnapatnam roads.

8. I was up at Ongole last September, and regret I cannot altogether agree in the propriety of the course pursued in respect to the Cumbum, Ongole, and Kottapatnam road.

9. Our great difficulty in respect to the Cumbum, Ongole, and Kottapatnam road is the coast swamp. If Cotton from Cumbum and the westward is not taken to the coast, if it is taken down the coast road, river after river has to be crossed; if it is taken to Kottapatnam, there is the port, there are the agents ready to ship; and the only difficulty in the way is the swamp, which I would therefore have taken in hand first. It has been taken in hand last. Again, as to

the way it is being taken in hand, I beg to refer the Board to my report§ on the Local Funds, paragraph 8, and state that not only was

the bridge being built of broken bricks, when I was there, but it seems to me even if the bricks were whole, the bridge when built cannot stand for our monsoon. Half a mile of water way cannot be discharged by six arches, thirteen feet space and six feet from the ground to the crown of the arch. If there were a good strong flooring perhaps the bridge might stand a light fall, for there is a cause-way that will come into play when the water rises six feet. But there is not even a flooring provided for in the Estimate, I was informed by the Overseer in charge. The first set of the current on the black cotton soil on which the bridge is built will scoop a channel and wash the whole concern away; and whether as regards postponing the swamp to the last, or the course pursued now it is at last taken in hand, the prospects of the cotton trade, so far as the Kottapatnam swamp is concerned, are not encouraging.

§ Recorded in Board's Proceedings, dated 5th November 1863, No. 7,042.

*Proceedings of the Madras Government, Public Works Department,
4th January 1864.*

10. As regards the Dorenal, Nellore, and Krishnapatnam road, it is the same thing. We are landed in the Krishnapatnam swamp when a couple of miles more would put the cotton on boardship, and were the East Coast Canal extended to Krishnapatnam, would reduce the cost of a hundred miles of carriage by the difference between the cost of canal, carriage, and roads.

11. All the bandies break bulk at Nellore, the extension of the East Coast Canal to Krishnapatnam would secure every bale of cotton being sent by water, would save maintenance allowance on the trunk road, and would give the Cuddapah carts carriage to the water edge instead of their going down for Salt to Krishnapatnam empty as at present.

12. On the Dorenal, Nellore, and Krishnapatnam line, progress has been made westward; and in the last few months the line has been traced to the Ghauts along the water shed instead of through the Mahimalur rice lands as originally designed. I hope there is a fair prospect of the progress being continued; and whether as regards continuing to this place the metalled road that now stops on the Cuddapah boundary, or making the road through the swamp to the Krishnapatnam back-water, or joining the Krishnapatnam back-water to Madras by eighteen miles of easy Coast Canal, in no way could the public money be expended with more advantage to the Ryots, the Government, the Cotton trade, and the Salt Department.

13. The effect that would be produced on our Salt sales by return bandies from Krishnapatnam would be equally felt at Kottapatnam, which is within a mile or so of Padarti, our largest Salt Division; and in thus prominently bringing forward the salt interests, I beg to state, it is the interests of the consumers, I advocate. They pay for the carriage, at least those who can afford to buy; and those who can't, who eat earth Salt now, would find their interests had been included when the return carts from the coast, sooner than come back empty, had brought down the price of Salt to what they could probably afford.

14. The Guduru and Dugarazupatnam road has also been making progress. From our Local Fund grant I showed no expenditure to speak of. From the Imperial Funds Rupees 10,700 have been laid out; and this year the line should be opened throughout.

15. Repairs of Communications or Maintenance allowance represent an expenditure of Rupees 39,500, which has been much needed to meet the greatly increased traffic.

16. And before leaving the subject of Communications, on which it has been seen our expenditure has been Rupees 75,200, I beg to state, that, should the Board think fit to recommend the measure, nothing would give me more pleasure than to render on these Imperial lines the assistance the Board considered, I should be able to give on local roads. There has been long talk about extending the Coast Canal to Krishnapatnam. Plans have been made. If the line were marked out, I would undertake to get it dug. It runs through much of the Venkatagiri Zemindar's country; and I could count on his co-operation. For the masonry works in the coast swamp, I would undertake to get the firewood collected. I would gladly do any thing in the way of assistance and lifting the District over the swamp that for sixty years has checked her progress.

17. Irrigation in the year under report has been developed by a liberal expenditure on Anikut Channels, either wholly new or so greatly increased in capacity as to be tantamount to new works. With the exception of some small works on our reservoirs, the whole of the 66,000 Rupees, shown in the annexed Statement under the head of New Works, has been expended on the Anikut channels; and as I went into this question fully in my special report on the Anikut and its subsidiary reservoirs, I will not now refer to it further than to observe that there is a discrepancy of some 3,000 Rupees between the accounts furnished then and now, which is probably the result of the constant changes made in our accounts by the Accountant Department, and regarding which I am about to apply to the Superintending Engineer for an explanation.

18. In repairs of Irrigation works, the expenditure has been chiefly on our reservoirs. In Atmakuru with an area of 10,000 Acres it rose to Rupees 5,000; in Kandukuru on 7,000 Acres it was Rupees 4,000 in round numbers; but on the whole District it was small. On a revenue of Rupees 5,68,000 our repairs were only 3 per cent; and a heavier expenditure would have been money well laid out.

* Exclusive of the Anikut Channels, the new Sarvapalli cut and the Krishna-patnam.

Vide last year's report recorded in Board's Proceedings, dated 21st October 1862, No. 6,994.

19. Including new works and repairs, our total expenditure under the head of Irrigation* during the year under report has been 7 per cent; in 1860-61 it was 33 per cent; and the proportions thus given by the totals, the Board will observe, apply to the details, in the out-goings; and, on the other hand, as regards the income from a revenue of five lacs in 1860-61, we have had an increase of half a lac or 10 per cent. in 1861-62, and this increase has been maintained in 1862-63, an admittedly bad season, results which cannot but be considered satisfactory.

*Proceedings of the Madras Government, Public Works Department,
4th January 1864.*

Statement showing Irrigation expenditure, Talukwar and with reference to the area irrigated.

Names of Taluqs.	Area irrigated and the assessment as adjusted for 1862-63.		Expenditure under the Public Works Department during 1862-63 on works of irrigation.		Total expenditure under the Public Works Department, during 1862-63 on works of irrigation	Comparison of expenditure with assessment as shown in column 2.		Remarks.
	Area.	Assessment.	New works.	Repairs.		On repairs.	Total	
Names.	Acres.	Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.	
Guduru ...	22,928	1,27,116	501	2,158	2,659	2	2	Not struck as the assessment on the rented villages in the Saidupuru Taluk is not included.
Rapur ...	1,805	9,519	1,413	7	1,420	...	...	
Nellore ...	54,959	2,66,970	22,054	1,925	23,979	1	9	
Atmakuru...	9,588	52,180	258	5,028	5,286	10	10	
Kavali ...	10,558	51,313	458	1,484	1,942	3	4	
Udayagiri...	943	5,391	...	...	...	...	...	
Kanukuru...	6,984	38,689	754	4,104	4,858	11	13	
Ongole ...	1,783	10,566	...	835	835	8	8	
Kanigiri ...	896	6,469	186	34	220	1	3	
Total...	1,10,444	5,68,213	25,624	15,575	41,199	3	7	
Expenditure on the PennarAnikut distributed over two Taluks ...			790	2,621	3,411	...	...	These percentages are incorrect, in so far as the villages referred to above are not included.
Ditto ditto Sarvapalli new cut from Jaffar Sahib ...			13,463	...	13,463	...	...	
Ditto ditto Canal of Irrigation from Nellore to Krishnapatnam ...			26,156	135	26,291	...	...	
Total...			40,409	2,756	43,165	...	...	
Grand total...	1,10,444	5,68,213	66,033	18,331	84,364	3	15	

ENCLOSURE No. 1.

ABSTRACT.—Revised Report of progress in the Nellore District during the year 1862-63.

1. Ordered to be submitted for the information of Government. The progress reported is satisfactory, although much still remains to be done, and the Board would request special attention to the cotton roads to the Coast, to the East Coast Canal extension, and to the repairs of the irrigation works. The development of the Salt sales and of the Land Revenue is greatly dependant on these works.

2. The Board request that the Superintending Engineer of the Division may be authorized to avail himself to the fullest extent of the Collector's proffered assistance in the execution of earth works, &c.

3. Mr. Dykes's remarks on the work at the bridge near Kottapatnam deserve attention.

(A true Copy and Extract.)

(Signed) W. HUDLESTON, Secretary.

Proceedings of the Madras Government, Public Works Department,
4th January 1864.

No. 19. ORDER THEREON, 4th January 1864, No. 9.

1. Communicated to the Superintending Engineer, 2nd Division. The suggestion made in paragraph 5 of the Collector's letter will receive the consideration of that Officer. Colonel Anderson will report specially on the Cumbum, Ongole and Kottapatnam Road, and the alleged irregularities connected therewith, which are noticed in paragraph 9 of Mr. Dykes' report. It is observed that the unsatisfactory condition of this Cotton Road was brought to notice by the Collector in his report on Public Works for 1861-62, and that the Deputy Chief Engineer's attention was drawn to it in Proceedings dated 24th November 1862, No. 2,820. Colonel Anderson's attention is drawn to the remarks in paragraphs 10 to 13 on the subject of the Dorenal and Nellore road which came under the notice of Government in Proceedings dated 17th July 1863, No. 1,927.

2. Paragraph 16 will be communicated to Mr. Kennedy. The assistance which the Collector expresses himself prepared to render should be taken advantage of as far as necessary. Plans and Estimates for the extension of the Coast Canal to Kistnapatam are now under the consideration of Government.

(True Extract.)

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

To the Board of Revenue.

„ Superintending Engineer, 2nd Division.

To R. Kennedy, Esq.

Exd. S. T. Augustin.

109 Public Works Dept.
Proceedings of the Madras Government
Under date the 4th Jan 1864
Read the following
Proceedings of the Board
of Revenue.
Submitting with remarks
a report on the progress
of Public Works in the
District of Nellore
Here enter of the 1st Dec 63
No 7757

The District Engineer should
be in contact with
the proper reports

Communicated to the Supg
Eng. 2d Div. The suggestion
made in Para 5 of the Collector's
letter will receive the consideration
of that officer. Col. Anderson
will report specially on the
Cumbum, Ongole & Kottapatnam
road & the alleged irregularities con-
nected therewith, which are noticed
in Para 9 of Mr Dykes' report.
It is observed that the unsatis-
factory condition of this Cotton
road was brought to notice by
the Collector in his report on Public
Works for 1861/2, & that the
Deputy Chief Engineer's attention
was drawn to it in Pro. of 26
Nov 62, No 2820. Col. Anderson's
attention is drawn to the remarks

in Paras 10 to 13 on the subject
of the Dorena & Malone road
which came under the notice of
Govt. in Pro. d/17 July 1837
to 1927.

Para 15 will be com-
municated to Mr Kennedy the
apportionment which the Collector ex-
pects himself prepared to render
should be taken advantage of
as far as it may be necessary.
Plans & estimates for the extension
of the Coagh Canal to Liscannapattam
are now under the consideration
of Govt.

It is a deeply regretted fact
that money has not been
available for it.

Yr

JP

Enclosed report for
the 5th of the month

To the R. of Rev. W. H. B. Revised Report of Progress.
R. Kennedy Esq. J.

Dec 6 - January 1844

1818.

27 Nov 42 Date
of No. of Goodfording

209.
No. of the No. of
2/4 Jan 1844.

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Admission to the letter
from the No. of No.
here reporting on the
progress of 1877. in
the No. of No. during
1852/1853.