

(1) Number of pages _____

(2) Date of receipt _____

(3) Initials of the Receiver _____

MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No. 6731	Press Mis.
Dated 18 . . .	

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
16th September 1870.*

No. 279. Read the following letter from the Acting Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Public Works Department, dated Madras, 30th August 1870, No. 54 :—

I HAVE the honour to submit for sanction an estimate, or more properly speaking a bill of cost, amounting to Rupees 58, for stopping what might have proved a serious leak, but for prompt repair, in the upper banks of the Main Canal, a hundred yards below the Hindry aqueduct, and which broke out on the 25th July last. The nature of the leak is described in the accompanying letters from the Chief and Executive Engineers. It is situated in the second section of the Main Canal, and the amount should, I consider, be debited to Construction.

From the Agent and Manager of the Madras Irrigation and Canal Company, to the Consulting Engineer for the Madras Irrigation and Canal Company, dated Madras, 12th August 1870, No. 346.

I HAVE the honour to forward an estimate for repairing a leak in the upper bank of the 18th mile, and request sanction for the same. I enclose copy of the Chief Engineer's letter, No. 1,201, of 5th August 1870, and accompaniment.

From J. H. COX, Esq., for Chief Engineer, to the Agent and Manager of the Madras Irrigation and Canal Company, dated Kurnool, 5th August 1870, No. 1,201.

I HAVE the honour to submit for sanction, with Mr. Dodson's No. 367, of 30th ultimo, an estimate for the repair of a leak that broke out early on the 25th ultimo in the bank behind the masonry revetment in the upper bank of the canal, about 100 yards below the Hindry aqueduct. By 11 o'clock it had cut a channel extending from the top of the slope to the bottom in a zigzag direction, and six feet deep at the top. It seemed to cut out large holes underneath the surface till the latter fell in at intervals.

2. It was never dangerous, but would have become so if not cut out and stopped before evening.

3. I see no better course than to send in bills of such things when they occur. I do not know of more than two other places where some repairs may be needed; one is Tangadancha tank bank, and the other Terragapally bank. I am going to see them tomorrow.

4. The Overseer's telegram is not alarming about these.

5. The water was flowing over the natural calingulah at the south end of the Metacondal cut yesterday.

From the Executive Engineer, Hindry Division, to the Chief Engineer of the Madras Irrigation and Canal Company, dated Kurnool, 30th July 1870, No. 367.

IN reply to yours of the 28th, No. 536, respecting my estimate for the repair of the leak in the 18th mile, I have the honour to state that as I am only allowed one banker for every two miles, I consider that the amount of assistance I could obtain from even all the twelve bankers in the first range would have been perfectly insufficient for the work to be done, and then the banks, etc., from Soonkala to two miles below Kadarbagh aqueduct, would have been left for some days without any watchers.

2. My opinion is that bankers should not be employed on any accidents which require more than four men to repair them in a rapid and efficient manner. Their duties, as laid down in your

**Proceedings of the Madras Government, Public Works Department,
16th September 1870.**

letter quoted in G. O., No. 992, of 8th April 1870, are numerous, and require their constant attendance on the banks, and to those named are now added this discovery and repair of injuries done to the Telegraph, and the conveyance of the Water Gazettes and letters from my Overseers, etc.

3. No doubt my bankers could in time have filled in the holes behind the masonry wall which I have introduced into the estimate under discussion; but as some of them were, I considered, dangerous if left open in this stormy weather, I thought it better to employ the labour I had on the spot, than to wait until the bankers could be spared from their other duties.

MADRAS IRRIGATION AND CANAL COMPANY.

HINDRY DIVISION, 2ND SECTION, MAIN CANAL.

Estimate for repairing a leak in 18th mile, upper bank.

Quantity.	Description of Work.	Rate.	—	Amount.
		RS. A. P.		RS. A. P.
11	Cubic yards rough stone thrown into slip ...	0 12 0	Per cubic yard.	8 4 0
86	Do. puddle ...	1 0 0	3 " "	28 10 8
48	Do. do. stopping 16 holes at back of masonry wall ...	1 0 0	3 " "	16 0 0
	Contingencies at about 10 per cent. ...			5 1 4
	Total...			58 0 0

KURNOOL,
5th August 1870.

(Signed) J. H. LATHAM,
Chief Engineer.

No. 280. ORDER THEREON, 16th September 1870, No. 2,230.

IRRIGATION, No. 16.

SANCTIONED, the charge being debited
to Revenue.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Consulting Engineer for the Madras Irrigation and Canal Company.
,, Agent and Manager for do. do.

Exd. S. T. Augustin.

Consulting Engineer's Office,
Irrigation & Canal Company,
Madras 20th August 1870.

N^o 54

From,

Colonel J. Carpendale R.E.
A. Consulting Engineer & C.E.

To,

The Secretary to Government,
Department of Public Works

Sir,

I have the honor to submit for
sanction an estimate, or more properly
speaking a bill of cost, amounting to
Rupees 58, for stopping what might
have proved a serious leak but for
prompt repair in the upper bank
of the Main Canal a hundred yards
below the Hindry Aqueduct, and which
broke out on the 25th July last. The nature
of the leak is described in the accom-
panying letters from the Chief and
Executive Engineers. It is situated
in the Second Section of the Main
Canal, and the amount should I
consider be debited to "Construction".

I have the honor to be,
Sir,

Your most obedient Servant,
J. Carpendale Col. R.E.
A. Consulting Engineer & C.E.

Cr. 3426.
 Oct. 11 1870
 PUBLIC WORKS.

The Consulting Engineer
 for the Madras Bridge & Canal Company

Part
 No. 1

15 Sept 2230

279-280
 Main Canal. The estimate
 Rs. 58 for repairing a
 leak on the upper bank
 of the Madras Bridge & Canal
 Company's main Canal
 at the 18th mile, sanctioned.

No. 2230
 Sanctioned, the charge being debited to
 Revenue.

Rev. 3.

Dated 30th Sept 70
 Recd 31st Sept 70

For 1870-71
 The Secretary to Govt.
 of Madras

For 1870-71
 18 Sept 70
 18 Sept 70
 18 Sept 70
 18 Sept 70

18 Sept 70

Placed for sanction
 Estimate amounting
 to Rs. 58 for repairing
 a leak on the upper
 bank of the main
 Canal 18th mile -
 18 Sept 70
 18 Sept 70
 18 Sept 70

18 Sept 70