M R O 1—77,006—8-6-37.

(1) Number of pages_____

(2) Date of repair_____

(3) Initials of the Referencer_____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 193 Press Mis.

230-71

Dated 17-1 1872.

Not to be folded or roughly handled

No. 370. Read the following letter from the Acting Consulting Engineer for the Madras Irrigation and Canal Company, to the Secretary to Government, Public Works Department, dated Madras, 15th December 1869, No 115 —

I HAVE the honour to submit an estimate or rather a bill of costs, amounting to Rupees 2,229-12-10, for repairs to No. 10 culvert in the 9th mile of the Main Canal

1 Letter in original from Agent, No 408, 8th December 1869
1 Plan and 1 Bill

2. In their Order, as per margin, Government sanctioned an estimate, amounting to Rupees 650, for small repairs to this work included in the total of Rupees 1,71,930, supplemental sanction for the 1st Section of the Main Canal, the cost of the culvert to that time having been Rupees 14,005-2-5.

No 2,022, 25th June 1868

3 It appears that, before the repairs could be executed, an unprecedented flood occurred on the 29th September 1868, and the rush of water through the tunnel undermined the foundations, and otherwise injured it in the manner shown in the cross sections on the drawing which accompanies.

4. The cost of the repairs effected, as per bill enclosed, is Rupees 1,788-3-5 *plus* Rupees 1,091-9-5 for store charges, total Rupees 2,879-12-10, from which deducting Rupees 650, sanctioned on 25th June 1868, leaves Rupees 2,229-12-10 now requiring sanction. I inspected the work at the end of October last, and it appeared to me to be substantially done, and if the repair has been made strictly according to the drawing, I should expect the culvert to bear the scour of a similar flood of water without sustaining damage.

5. The correspondence as per margin accompanies.

From Agent, No 408, 8th December 1869

From the Chief Engineer, to the Agent and Manager of the Madras Irrigation and Canal Company, dated Kurnool, 29th November 1869, No 1,042

I HAVE the honour to submit, for the sanction of Government, a plan and bill of costs (in triplicate) of the repairs done to culvert No. 10 in 9th mile, 1st Section, Hindry Division, Rupees 2,229-12-10.

2. These repairs are not additional to those sanctioned in G O, No 2,022 of 25th June 1868, but are substituted for them, the amount of the latter being deducted from the amount for which sanction is now asked, merely to save confusion hereafter.

3 The Executive Engineer, Hindry Division, (his No 448 of 26th October 1869,) reports that the stream passing through this culvert is said to be ten miles long above it, and that the damage, for the repairs of which sanction is now asked, was caused by an unprecedented flood on the 29th September 1868, on which and the previous days 2 50 inches of rain fell in Kurnool The great rush of water undermined the foundations in the manner shown on the accompanying plan, on which is also clearly denoted the method adopted in repairing the damages

4 The total cost of the culvert is, according to the Divisional Ledger, Rupees 16,884-15-3, of this Rupees 14,655-2-5 were sanctioned in G O, No 2,022 of 25th June 1868, leaving Rupees 2,229-12-10 still requiring sanction, of this latter amount Rupees 1,788-2-9 are due to the repairs above referred to, and the remainder, *plus* Rupees 650, (sanctioned for repairs but not expended—*vide* paragraph 2) Rupees 1,091-9-5, to Agent's store charges, for which provision had not been made in the original sanction of estimates for each work.

Proceedings of the Madras Government, Public Works Department,
17th January 1870

No 408

FORWARDED to Consulting Engineer for sanction with—
One bill of cost for repairs at culvert No 10.
One sheet plan and sections showing repairs at do

(Signed) F. H HENSLOWE,
Agent and Manager

MADRAS,
8th December 1869

No. 371. ORDER THEREON, 17th January 1870, No. 193.

IRRIGATION, No. 15.

UNDER the explanation furnished in this letter, the Government sanction the additional expenditure of Rupees 2,229-12-10 incurred on No. 10 culvert in the 9th mile of the Madras Irrigation and Canal Company's Main Canal.

(True Extract)

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

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

Exd. E C Shunker.

Madras Irrigation and C.
Chief Engineers Office
Nº 1042. Fort St George the 29th November 1869.

To,

F. H. Henslowe Esquire
Agent and Manager
Madras

Sir,

I have the honor to submit for the sanction of Government a plan and bill of costs (in triplicate) of the repairs done to Culvert Nº 10 in 9th mile 1st Section Vindry Division (Rupees 2229-12-10.)

These repairs are not additional to those sanctioned in C O Nº 2022 of 25th June 1868 but are substituted for them, the amount of the latter being deducted from the amount for which sanction is now asked merely to save confusion hereafter.

The Executive Engineer Vindry Division (his Nº 448 of 26 October 1869) reports that the stream passing through the Culvert has cut to the 10 miles 6 links above

...ent and that the damages for the
...pairs of which sanction is now asked
...occasioned by an unprecedented
...flood on the 29 September 1868 on which
...and the previous days 2.50 inches of
...rain fell in Kurnool. The great rush
of water undermined the foundations
in the manner shewn on the accompa-
nying plan on which is also clearly
denoted the method adopted in re-
pairing the damages.

The Total cost of the Culvert
is according to the Divisional Ledger Rs.
1688-9-3, of this Rupees 1465-7-5 were
sanctioned in G.O. No. 2022 of 25 June
1868 leaving Rupees 222-12.10 still
requiring sanction; of this latter Amount
Rupees 1788-2-9 are due to the repairs
above referred to, and the remainder
plus Rupees 650 / sanctioned for repairs
but not expended vide para 2 / Rupees
1091-9.5, to Agents' Store charges; for which
provision had not been made in the
Original Sanction of Estimates for each
work.

I have &c.
(Sd) John D. Southam
Chief Engineer

No 408

Forwarded to Consulting Engineer for inform-
ation with.

1 Bill of cost for repairs at Culvert 10-
1 Sheet Plan & Sections shewing repairs at -Do-

(Sd) D. Hartwell Anderson
Agent and Manager

Madras
8th Dec/69

(Sd) H. M. K.

No 115

7 2

From
Chief Engineer & Manager
Kingston to Cork (M. Line)
Cork 15th Dec 1869

To
The Secretary to the Commissioners
of Public Works
Dublin

Sir,

I have the honor to enclose herewith a Tender for executing the Masonry & Brickwork required in the Construction of a Culvert at 2229. 12. 10 on the Cork & Youghal Railway in the County of the City of Cork

I am Sir
Your Most Obedient Servant
Samuel Roberts
Chief Engineer & Manager

Ref No 2022-25 Encl 68 2

No 408

Ref

From
The Agent & Manager
I & Blee

To
The Consulting Engineer
I & Blee

Dated 8 Dec/69
Recd 11 Dec/69

Encl 2
Forwards for Sanction
plan & Estimate for
repairs to Culvert
No 10 in the 9 Mile
1st Sec Ne

Public Works Department.

No 193/69

Proceedings of the Madras Government.

Under date the 17 January 1870

Read the following

From. The Ag. Consulty Engineer for Irrigation & Canals

H.E. No 115 of 15th December 1869

Under the explanation furnished in this letter, the Government sanction the additional expenditure of Rs: 2,229-12-10 incurred on No 10 Culvert in the 9th mile of the Madras Irrigation and Canal Company's Main Canal.

A.G.

To The Secy. for the Madras I. & C. Co. with two enclosures

Despr 19/1/70

The cost of the repairs effected as per bill enclosed is Rupees 1,788.3.5 plus Rupees 291.9.5 for stone charges - Total Rupees 2079 12.10, from which deducting Rupees 650 zamindar's share sanctioned on 25th June 1868 leaves Rupees 2229.12.10, now requiring sanction - I inspected the work at the end of October last and it appeared to me to be substantially done, and if the repair has been made strictly according to the drawing, I should expect the culvert to bear the scour of a similar flood of water without sustaining damage -

5) The correspondence as per margin accompanies -

From Ag. Con. No 1108 8th December 69

I have the honor to be
Sir
Your most obedient servant
H. Simmonds Coll. & Ag.
Ag. Consulting for A.C. Company -

Dated 15th Dec. 1869.
Rec'd 5th Jany 1870.

Submits for sanction the estimate Rs 2229.12.10 for repairing Culvert No 10 in the 9th mile Main Canal -

No 193-17 "January 1870

Dated 15th Dec 1869
From Coll. & Ag. Consulting Engineer for Irrigation & Canals
To Secretary to Govt. P.W.D.

No 115 (12)

Rec'd 5th Jany 1870

Answered 19th Jany 1870

C. 18th Dec 1869 No 3/25

Enc 5290

Govt. of {1869} Madras.

PUBLIC WORKS.

To

The Consulting Engineer
for the Madras Irrigation
& Canal Coy

Dated

Read

Encl

Govt January 1870 No 193

Nos. 370-371

Contract for 1869 Additional
Expenditure of Rs 2,22,12-10
incurred in taking Culverts in the
4th Reach of the Madras Irrigation
and Canal Company's Main
Canal sanctioned.