

- (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. 2-32-6	Press Mis
463-64	
Dated 2-7-9	18/12.

Not to be folded or roughly handled

CW

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*Proceedings of the Madras Government, Public Works Department,
27th September 1870.*

No. 463. Read the following letter from the Acting Consulting Engineer for Irrigation and Canal Company, to the Secretary to Government, Public Works Department, dated Madras, 3rd September 1870, No. 60:—

With the accompanying letter, No. 371, of the 31st ultimo, the Agent submits for sanction an estimate, amounting to Rupees 640, for excavating sand in the bed of the Punkal Vunkah, to clear the water-way of the aqueduct across that river at the 3rd mile, 10th Section, Main Canal, together with explanatory correspondence endorsed by the Chief Engineer.

2. The removal of the sand was necessary to give a clear water-way for floods, and provision had not been made for it in the estimate sanctioned in Government Order, No. 3,564, of the 6th November 1869, I therefore recommend the accompanying estimate for the sanction of Government.

From the Agent and Manager of the Madras Irrigation and Canal Company, to the Consulting Engineer for Irrigation and Canal Company, dated Madras, 31st August 1870, No. 371.

I HAVE the honour to transmit, for sanction, an estimate for excavating sand in the bed of the Punkal Vunkah to clear the water-way of the aqueduct, amounting to Rupees 640. I also forward copy of Mr. Gordon's letter, No. 168, and accompanying Memorandum, with the Chief Engineer's Endorsement, No. 1,289, dated 25th August 1870.

From G. GORDON, Esq., to the Chief Engineer of the Madras Irrigation and Canal Company, dated Cuddapah, 11th August 1870, No. 168.

In compliance with your No. 178, of 1st August, I have the honour to enclose a Memorandum on the Punkal Vunkah sand excavation. I cannot find that there has been any unauthorized deviation from the sanctioned plan; on the contrary, as it showed a clear water-way, I should have considered that the sanction of the plan authorized the clearing out of the sand at the sites; but no provision seems to have been made for it in the estimate. You authorized* the removal of

* 22nd April.

it "as far as there was sanction, and as far as practicable." There was no sanction available on that work, but the 10th Section earthwork could have borne it.

2. I do not find, after reading your No. 1,157, of 25th ultimo, to the Agent, that there has been any transgression of contract, unless the omission of an item from the estimate is considered as such.

Memorandum on the sand excavation at the Punkal Vunkah Aqueduct in the 10th Section.

THE removal of the sand from the bed of the river was rendered necessary by the new form which the aqueduct gave to the water-way of the river. Before the aqueduct was built the stream set strongest on the east side. In order that all the openings should be effective it was necessary to remove some sand in front and in rear of the first four arches from the west side, and also to a much smaller extent at the 7th (last) arch. The excavation was begun after a reference to the Chief Engineer, and the receipt of his reply, dated 22nd April; but the sand accumulated again, and part had to be taken out a second time. The fresh which rose so high against the aqueduct last March, and was remarked on by the Consulting Engineer, was raised by the above-mentioned obstructions, and by two of the arches (5th and 6th) in the fair way of the stream being blocked by the centerings. The aqueduct seems to have been placed as nearly as possible according to the sanctioned drawing, but the end arches are within the slopes of the river banks, as the total length of arches and piers is, as it should be, greater than the width of the river was when clear.

Proceedings of the Madras Government, Public Works Department.
27th September 1870.

2. The fresh which has just passed down (8th August) has left a regular bed not quite level, but slightly deeper towards the middle of the river.

Cuddapah,
11th August 1870.

(Signed) G. GORDON.

No. 1,269.

Copy forwarded to the Agent and Manager with estimate for sanction.
Mr. Higginson in his No. 291, of 6th July 1870, says, "as I have no intention of having any thing more done to it, I conclude the money asked for will suffice."

Kurnool,
25th August 1870.

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

No. 464.

ORDER THEREON, 27th September 1870, No. 2,326.

IRRIGATION, No. 24.

SANCTIONED.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Acting Consulting Engineer for Irrigation and Canal Company.
" Agent and Manager for do. do.

Exd. S. T. Augustin.

Investigation of Canal Company
Madras, 3rd Sept. 1870.

A. 60.
Hon. Colonel, Rappinvalle P.B.
Agent for S. C. Co.
The Secretary to Government
Public Works Department.

With the accompanying letter No. 371 of the 31st ultimo the Agent submits for sanction an estimate amounting to Rupees 640 for excavating sand in the bed of the Puntal Vunkah, to clear the water way of the Aqueduct across that river at the 3rd mile 10th Section Main Canal, together with explanatory correspondence endorsed by the Chief Engineer.

2. The removal of the sand was necessary to give a clear water way for floods, and provision had not been made for it in the estimate sanctioned in Government Order No. 3564 of the 6th November 1869, I therefore recommend the accompanying estimate for the sanction of Government.

I have the honor to be,
Sir,
Your obedient servant,
J. H. Latham
Agent for S. C. Co.

Drawn and Sanctioned.

Mr. J. C. [unclear]

1898

View
The [unclear] [unclear]
to
The Secretary of the [unclear]

Noted 3:40
Recd: 6:10 Sept 10/70.

Cur: 3.

Estimate for construction
estimate amounting \$180
640 for excavating sand in
the bed of the [unclear]
[unclear] [unclear] the water
way of the [unclear] at the
3 mile 10 section. Main line
[unclear] 43 26-27 [unclear]
[unclear] 11 10 [unclear]

No 2326

[Signature]

J. C. [unclear]
27. [unclear]

The [unclear] [unclear]
[unclear] [unclear]

Sept 10. Oct 18. 1898. [unclear]

213498
Govt. of 1870? 311.115.

PUBLIC WORKS.

The Consulting Eng^r
Irrigation and
Civil Company

Doc^t 2

Rec^d.

G. O. 27 Sept^r No 2326

Nos. 463-464

Punkal Vankale. The so.
Amate. 1/200 1/200 1/200
making land in the bed of the
Punkal Vankale to clear
the waterway of the Aqueduct
at the 3rd mile 10th section of the
Madras Irrigation & Co's