

We have the honor to be,

P.N.C. No 7086

Sir,

Your most obedt. Servt.

Massey & Co.

Recd. 11-9-86

Dec 9/9/86

Messrs Massey & Co. are informed in reply to their letter of the 6th instant that their claims are receiving the consideration of the Supp. Engineer who has recently been communicated with on the subject.

No 3209C of 22 Sept 86

No 2195C of 17-6-86
- 2466C - 13-7-86
- 2613C - 24-7-86
- 2712C - 7-8-86
- 3012C - 4-9-86

Do a.w. file.

Encl. in P.M.

MASSEY & CO.

From,

Messrs Massey & Co.

Contractors Gopaulpore Pier,

To,

Coln J. H. St. Shaw Stewart

Chief Engineer and Secretary

Madras Government.

Sir,

We have the honor to call your attention to our letter dated the 11th June last, and your reply No 2195C of the 17th June, relative unpaid balance for Iron Work delivered on account Gopaulpore Pier Contract. We have now waited several months for this balance on Iron Work as per contract, and respectfully request that we may be paid, and the matter closed.

Yrs

18/9/86
Messrs Massey & Co.
Copy to Supp. Engr. I.C.C.
19/9/86
23/9
28/9/86

well as number of blows required -
I have &c
(Sd) J. Hannan,
Executive Engineer.

N^o 818

Copy sent to Sergeant Joyce who will note carefully the height through which sleeper had to be dropped and also the number of blows given. His observation will be recorded as follows for each pile -
Commenced with a - ft drop finished with - ft drop. number of blows - and any short remark which may be necessary can be added. The information must be given on the back of the weekly reports submitted.

(Sd) J. Hannan
Executive Eng^r

(True Copy)

C. Swalch

Sup^r Eng^r 1st Circle.

N^o 819. Rushikulya D^r Office
Camp Russelkonda, 9th July 1886

From,

The Executive Engineer
Rushikulya Division.

To,

Mess^{rs} Massey & Co
Madras.

Gentlemen,

I am in receipt of your letter dated 29th ultimo.

1. I do not propose to use dynamite unless to remove some detached object such as a boulder.
2. I will refer your suggestion to reduce diameter of screw when hard ground is met with to the Superintending Engineer for orders.
3. It was to obviate your having to screw down piles twice over that I suggested a prick being used before-hand.
4. Another $\frac{1}{2}$ ton crane will not be required for the pier in lieu of the one which I have taken temporarily for the Rushikulya works.
5. I will have another bill prepared for payment for work done upto date.

I have &c &c

(Sd) J. Hannan,
Executive Engineer.

(True Copy)

C. Swalch

Sup^r Eng^r 1st Circle.

Massy & Co.

Madras, June 29th 1886

J. Haman Esq^r

Executive Engineer Ruzhikulya

Dear Sir,

Gopalpore Pier. We learn from our Engineer in charge that the first pile of 15th tier came upon rock or hard ground and that great difficulty and serious delay has been caused in consequence your suggestions are we believe that we should run down a prickler before each pile and in instances of hard ground use dynamite, we are quite willing to carry out these instructions under clause 10 of the Contract, due provision being made for payment of extra work, but we submit this is no part of our contract nor are we supposed to screw down piles twice over, our tender was for screwing once down in sand only, borings or tests were previously made by your Department and we were instructed to prepare for a sand bottom only. Should difficulties again crossing, we must ask you to give this question your attention and for the present difficulties allow us a fair

Encls 3

P.W. 5874/86

compensation.

We trust that you have sanctioned our Engineer reducing the diameter of the piles, it will facilitate work in hard ground, they can be reduced with perfect safety and increased again when sand is met with, the present labor screwing is more than necessary for the stability of the Pier and retard progress increasing cost of erection needlessly, it is the usual practice when hard ground is met with.

We also learn that you have taken over the $\frac{1}{2}$ ton Travelling Crane for your work at Rushikulya, are we to understand from this that we must supply another crane for the Pier which you will pay us for on arrival please advise.

We are dear Sir
yours faithfully,
(Sd) Massey & Co

Can you make in a further remittance on account Pier work.

(True Copy)

(Sd) J. Hamman
Esc Engineer.

(True Copy).

C. P. Thakur

Sup^r Eng^r 1st Circle.

Rushikulya Div Office
N^o 816
Camp Russelkonda, 9 July/86

From,

The Executive Engineer
Rushikulya Division
To
The Sup^r Engineer 1st Circle.

Sir,

I have the honor to forward for orders correspondence between myself and Messrs Massey regarding the Gopalpur Pier. Reducing the diameter of the screw would doubtless facilitate the screwing down of the piles in stiff ground but I do not know whether you will approve of the process which the contractor's Engineer proposes to adopt to reduce the diameter which is to knock segments or sectors off with a hammer. As regards the hardness of the soil being met with this is a difficult matter to settle. I am now sending orders (copies enclosed) to the contractor's Eng^r to drive down an Iron pricker which I have given him in advance to ascertain the nature of the soil and I think that when he cannot drive down this pricker ($1\frac{1}{2}$ " rod) to the full depth

Enclos 3

1. Copy of Letter d/

29/6/86 from

Messrs Massey & Co

1 Copy of this Office

reply No 819 d/ 19/7/86

1 Copy of this Office letter

No 817 d/ 9-7-86 to R.D.

Senior Engineer

3

the pile has to be screwed down,
it may be assumed that the soil
is hard from say 1 foot above point
of pricker. Again when hard soil
is met it would not I imagine be
necessary to screw down piles to the
same depth as through sand. For
instance when the plan shews that
piles should be screwed through 10 ft
of sand 8 ft would I imagine be suffi-
-cient if screw went into clay.

I have &c &c
(Sd) J. Hainan
Executive Eng^r Ruski-
-kulya Division.

(True Copy)

C. Swahl
Sup^r Engineer 1st Circle

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(Sd) J. Hainan
Executive Eng^r Ruski-
-kulya Division.

(True Copy)

Sup^r Engineer 1st Circle

No.

FROM,

THE SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

P. W. Department
FOR IRRIGATION

DOWLAISHWARAM, 21st July 1886.

SIR,

Gopalpur Pier

X
received on 20th

Encl 1
P.W. 5824/86

I have the honor to forward herewith copies of letter No. 816-9th Instant from the Executive Engineer Rushikulpe Division and its enclosures.

2. I have already, on 1st Instant and again on 17th, informed the Executive Engineer that alteration in diameter of the screws is not to be permitted without your sanction, and I do not recommend for your approval that alteration especially if carried out in the way which it appears the Contractor's Agent proposes.

See the Ex Eng's letter

3. Were the piles merely to support a superstructure it would of course be easy to decide by loading when they were screwed down enough, but as it is, the proper test would appear to be