

(1) Number of pages 10

(2) Date of repair 21-4-44

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2833	Press Mis.
480-51	
Dated 24 11	1870 .

Not to be folded or roughly handled

No. 450. Read the following letter from the Acting Consulting Engineer of the Irrigation and Canal Company, to the Secretary to Government, Public Works Department, dated Camp at Chintacoonta, 22nd October 1870, No. 83 :—

I HAVE the honour to forward, for the consideration of Government, letter as noted in the margin from the Chief Engineer, proposing to dispense with the bank of rubble stone and the groynes which Major Mullins had recommended should be deposited above the Pennair anicut at Adamapally. The recommendation was made in the 5th paragraph of the Consulting Engineer's letter, printed with Order of Government, No. 1,645, 19th May 1869, and the object was to protect the anicut from the scour that was expected to arise from the rush of water along the wall to the under-sluices, the protection being a bank of quarry rubbish 3 feet lower than the top of the wall sloping one in five, and with groynes, at 60 feet intervals, of the same material. The Chief Engineer's letter is accompanied by a sketch plan showing the channel leading to the under-sluices, and by cross sections taken at intervals along the anicut, and dated 5th October 1870.

2. These cross sections exhibit the bed of the river above the anicut after the monsoon freshes of this year, as compared with the bed before the anicut was built. It will be observed that the bed has silted up considerably, and the sections fully support the Executive Engineer's statement "that there are no signs of any scour having been acting along the front wall anywhere." The Deputy Chief Engineer also who had frequent opportunities of observing the work during the monsoon months considers the protective works referred to unnecessary, "on account of the absence of all scour towards the under-sluices in floods," in which opinion the Chief Engineer concurs. I visited Adamapally on my way to Kurnool at the beginning of this month in connection with this question, and I beg to express my approval of the Chief Engineer's proposal. The anicut, where founded on rock, is at present 4 feet below its full height, and where the main wall is founded on wells, it has yet to be raised 5 feet; but I do not think any increase of height will affect the question of scour. The fact is there is a bed of rock adjoining the under-sluice which will act as a natural groyne being 220 feet long, and of the existence of which the Consulting Engineer was probably not aware when he made his proposal, and if, from the deepening of the channel of the under-sluice hereafter, there should be a set of the current in floods in that direction which might possibly tend to cause a scour, the natural groyne would stop it and might be easily improved.

3. The Chief Engineer calculates the saving by dispensing with those protective works will be Rupees 12,000, and he is probably correct; but I don't expect any actual saving on the whole work, as I understood that the stone pitching of the main apron was costing more than the estimated rate, and that a revised estimate for the anicut would be necessary.

*Proceedings of the Madras Government Public Works Department,
24th November 1870.*

From the Acting Assistant to the Chief Engineer, to the Acting Consulting Engineer of the Irrigation and Canal Company, dated Kurnool, 15th October 1870, No. 305.

In order to save time, I have the honour to transmit herewith copy of the Chief Engineer's letter No. 1,483, addressed to the Agent and Manager, together with copies of sketches and section of the Deputy Chief Engineer's proposal to omit both the upper apron and groynes of Pennair anicut.

From the Chief Engineer, to the Agent and Manager of the Madras Irrigation and Canal Company, dated Kurnool, 15th October 1870, No. 1,483.

I HAVE the honour to forward sketches and sections, illustration of a proposal made by the Deputy Chief Engineer (his No. 241 of 5th instant), to omit both the upper apron and groynes proposed to be attached to the Pennair anicut.

2. The Deputy Chief Engineer appears to think these works, (i.e., upper apron and groynes,) unnecessary on account of the absence of all scour towards the under-sluices in floods, a danger which these works had been designed to prevent.

3. The omission will effect a saving of about Rupees 12,000.

4. I concur in the Deputy Chief Engineer's opinion, and recommend the proposal for an early and favourable reply.

P. S.—A copy of the above has been forwarded by the Acting Assistant to Chief Engineer to Colonel Carpendale now on inspection tour in order to save time.

No. 451. ORDER THEREON, 24th November 1870, No. 2,833.

IRRIGATION, No. 33.

UNDER the explanations afforded in these papers the Government see no reason to doubt that the bank of rubble stone and the groynes which Major Mullins proposed should be deposited above the Pennair anicut at Adamapally in order to protect that work from the effects of scour may safely be dispensed with for the present. The probable outlay on the protective works in question was estimated at Rupees 12,000, but it is observed that, as the stone pitching of the main apron is costing more than the estimated rate, there is not likely to be any saving on the total estimate for the anicut.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

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

Exd. E. C. Shunker.

83

Consulting Engineer's Office
Irrigation and Canal Co.
Camp Chintamani 22 October 1870.

Sir

Colonel J. Carpendale R.E.

Acting Consulting Engineer for I.C.C.

Sir

Colonel C. V. An R.E.

Secretary to Government P.M.D.

Sir

* To Genl R.E. 1483-
15th October 1870.
with 2 Plans.

I have the honor to forward for the consideration of Government letter as noted in the margin from the Chief Engineer proposing to dispense with the bank of rubble stone and the groynes which Major Mullins had recommended should be deposited above the Pennair Anicut at Adamapally. The recommendation was made in the 5th paragraph of the Consulting Engineer's letter printed with Order of Government No 1645-19th May 1859 and the object was to protect the Anicut from the scour that was expected to arise from the rush of water along the wall to the Under Sluices, the protection being a bank of quarry rubbish three feet lower than the top of the wall sloping one in five and with groynes at sixty feet intervals of the same material. The Chief Engineer's letter is accompanied by a sketch plan showing the channel leading to the Under Sluices, and by Cross sections taken at intervals along the Anicut and dated 5th

5th October 1870.

These cross sections exhibit the bed of the river above the Ancient after the monsoon freshes of this year as compared with the bed before the Ancient was built. It will be observed that the bed has silted up considerably, and the sections fully support the Executive Engineer's statement that there are no signs of any scour having been acting along the front wall anywhere. The Deputy Chief Engineer also, who had frequent opportunities of observing the work during the monsoon months, considers the protective works referred to unnecessary on account of the absence of all scour towards the "Under Sluices in floods", in which opinion the Chief Engineer concurs. I visited Adinafully on my way to Shumool at the beginning of this month in connection with this question, and I beg to express my approval of the Chief Engineer's proposal. The Ancient where founded on rock is at present four feet below its full height, and where the Main wall is founded on wells it has yet to be raised five feet, but I do not think any increase of height will affect the question of scour. The fact is, there is a bed of rock adjoining the Under Sluice which will act as a natural groin - being 220 feet long, and of the existence of which the Consulting Engineer was probably not aware when he made his proposal, and if from the deepening of the Channel of the Under Sluice hereafter there should be a set of the current in floods in that direction, which might possibly

12
tend to cause a scour, the natural groin would stop it and might be easily improved.

The Chief Engineer calculates the saving by dispensing with these protective works will be Rupees 12,000 and he is probably correct, but I don't expect any actual saving on the whole work as I understood that the stone pitching of the Main apron was costing more than the estimated rate, and that a revised estimate for the Ancient would be necessary.

I have the honor to be,
Sir,

Your most obedient servant
J. P. M. S. R. Colonel R. E.
Acting Consulting Eng. 1870.

No. 2833 P. Fr. D. 5
 Proceedings of the Masons Court.
 Read the following

From
 The Highland Engineer
 J & C Co. } (H. E. & 83 of 22nd Oct 1870)

Under the explanation
 afforded in these
 papers the Government
 see no reason to doubt
 that the bank of rubble
 stone and ^{the} groynes which
 Major Mullins proposed
 should be deposited above
 the Peman Anient at
 Adamapally in order to
 protect that work from
 the effects of storm may
 safely be dispensed with
 for the present. The probable
 outlay on the protective
 works in question was

N.

Public Works 1870. By Parliament
 No. 83 of 1870
 14th of 1870 28/11/02

The Hon. Secy. to Govt.
 J. & C Co.

The Secretary to Govt.
 J. & C Co.

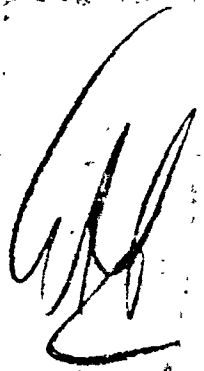
Received 22nd October 1870
 Secy to Govt. J. & C Co.

E. 3.

Submitted with recommendations
 from the Chief
 Secy for the order of Govt.
 & for the order of Govt.
 with the sanction of the
 Secy & for the order of Govt.
 recommended by Major
 Mullins for the protection
 of the Peman Anient at
 Adamapally
 14th of 1870 28/11/02

C. 9. No. 1570 of 1870

estimated at Rs 12,000
but it is observed that,
as the stone pitching
of the main apron
is costing more than
the estimated rate, there
is not likely to be
any saving on the total
estimate for the amount.



To

4 The Comy Supr M. H. C. B.
4 Agent Manager - Do. ^{with three enclos.}

Decr 25/11/70

2-9-1870 A. 1217

Op 402

Govt. of 1870 Madras.

PUBLIC WORKS.

To The Consulting Eng^r
for the Madras Irrigation
and Canal Company

Dated

Recd.

G. 24th Dec^r 1870 No. 2833

Not. 450 & 451

Pennair Aicut. Paper orders
on the letter from the Asst. Eng^r for
the Madras I & C. Co. recommending
the proposal to dispense with
the bank of rubble above &
the pynes which ~~Major Mullis~~
~~proposed should be proposed~~
to be deposited above the
Pennair Aicut at
Adamapilly.