

(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. 2641	Press
465-466	Mis.
Dated 22-8-	1866.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
22nd August 1866.*

No. 465. Read the following Endorsement of the Consulting Engineer for Irrigation and Canal Company, dated Madras, 9th August 1866, No. 48:—

Read the following letter from the Provisional Chief Engineer, to the Agent and Manager, Madras Irrigation and Canal Company, dated ——— No. 298.

1. The gradual failure of the masonry below the breached part of the anicut continues. Three holes are reported* in
* 24—7.

the masonry slope, all above a yard deep, and 2, 9, and 16 square yards in area respectively; I think a wall built upon the anicut in lieu of that recently taken down is now the safest mode of treatment. Should any accident occur to this wall, it can hardly cause any appreciable destruction to the slope below it, nor injure it more than the rolling down of the large stones from its own substance have done.

2. The last fresh, which I understand rose six feet above the crest of Wullava-poor Anicut, only rose three feet and three inches above the crest at Soonkasala. In this extraordinary season it is probable that we may be able to complete a wall without hindrance.

3. The wall I propose to make permanent, by re-pointing its face, where damaged by spray or water as it is likely to be during, or shortly after its construction, and by adding buttresses or counterforts founded on the rubble apron, and if this be approved the only special cost of building it now will be the special rate at which so small a work in such a situation can be built, where workmen must come from Kurnool.

4. I propose to build, first, a parapet wall eighteen inches thick along the front of the anicut crest, and to work behind it, leaving room for the escape of spray between the parapet and main wall. If the parapet wall stands well, I would incorporate it into the wall (*see alternative section* on the tracing), and when subsequently re-pointed it would form part of the permanent work.

5. Herewith I forward a tracing of what I propose for the Consulting Engineer's approval, with an estimate amounting to Rupees 1,175. The repairs lately executed amounted, Mr. Cotton informed me, to about Rupees 25 or 30, besides Agent's stores, *i. e.*, asphalt and tar.

6. On hearing from the Consulting Engineer I will send formal plans; meantime, the water had fallen to two feet when I last heard from Soonkasala (23rd), and the height of water at Kurnool indicates a further fall to one foot nine inches, I will therefore not delay, but start the work at once.

No. 153.

Copy forwarded to the Consulting Engineer together with one tracing. The estimate referred to in paragraph 5 has been called for and will be forwarded on receipt.

MADRAS,
6th August 1866.

(Signed) F. H. HENSLOWE,
Agent and Manager.

Proceedings of the Madras Government, Public Works Department,
22nd August 1866.

1. Submitted for the information
of Government in continuation of letter
No. 32, of the 20th ultimo, Proceedings
Madras Government, 2nd instant, No. 2,437.

2. The Chief Engineer will have learnt from the letter just referred to that
to cut off the old breach, as was done last year, by a wall from the water-way of the
anicut, is considered to be the best arrangement for the present season that can
be adopted.

3. The rough estimate for constructing the wall, which it will be observed
the Chief Engineer has ordered to be commenced, is Rupees 1,175. The regular
estimate will be submitted for the sanction of Government as soon as it is received,
and the Chief Engineer will be asked to include in it all the expenses, including
the value of stores referred to in the latter part of paragraph 5 of his letter.

(Signed) J. MULLINS, Captain, R. E.,
Cons. Engr. for I. & C. Company.

No. 466. ORDER THEREON, 22nd August 1866, No. 2,641.

CIVIL WORKS, No. 63.

The proceedings of the Consulting
Engineer for the Madras Irrigation and
Canal Company as reported in this letter
are approved.

(True Extract.)

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

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

Exd. S. T. Augustin.

10298

M. J. C. C.

Chief Engineer's Office

J. H. Henderson Esq.

Agent

Madras

The gradual failure of the apron below the breach
part of the anicut continues. Three holes are reported
in the masonry slope all about a yard deep, and
2, 9, & 16 square yards in area respectively. I think
a wall built upon the anicut in view of that
recently taken down is now the safest mode of
treatment. Should any accident occur to this
wall it can hardly cause any appreciable dis-
truction to the slope below it, ^{not} injure it more
than the rolling down of the large stones from
its own substance have done.

2. The last fresh, which I understand rose 6
ft. above the crest of Pullavoor anicut, only
rose 3' 8" above the crest at Coonharal.
In this extraordinary season it is probable
that we may be able to complete a wall
without hindrance.

3. This wall I propose to make permanent, by
repointing its face, where damaged by spray
or water as it is likely to be during or shortly
after its construction; and by adding buttress-
es or counterforts founded on the rubble
aprons and if this be approved the only
special cost of building it now will
be the special rate at which so small
a work in such a situation can be
built

built, when workmen must come from Kumool.
4. I propose to build first a parapet wall
18 inches thick along the front of the Aincut
creek, & to work behind it, leaving room for
the escape of spray between the parapet and
main wall. If the parapet wall stands
well I would incorporate it into the wall
/see alternatives section on the tracing/ and
when subsequently repaired it would
form part of the permanent work.

5. Herewith I forward a tracing of what I
propose, for the Consulting Engineer's
approval with an estimate amounting
to Rs. 1175. The repairs lately executed amounted,
Mr. Cotton informed me, to about Rs. 2500 so
besides Agents' stores, i.e. Asph. alter. &c.
6. On hearing from the Consulting Engineer
I will send formal plans. (I mentioned the
water had fallen to 2'0" when I last heard
from Soonthasala/23/ & the height of water
at Kumool indicates a further fall to 1'9".
I will therefore not delay, but start the
work at once.

I have &c
18/ John H. Latham
Pres. Chief Engr.

No. 158
Copy forwarded to the Consulting Engineer together
with one tracing. The Estimate referred to in para-
graph 5 has been called for & will be forwarded on receipt.

J. Martineau
Agent & Secy.

By order
6 Aug 1866 H

N^o 48

Enclosure - 2.
1 Tracing.
1 Letter to the
with a tracing -

Endorsement to a letter N^o 298 from the Chief Engineer Madras Irrigation and Canal Company - received with the Agent's N^o 158 of the 6th instant.

2. Submitted for the information of Government in continuation of letter N^o 32 of the 20th ultimo - Proceedings Madras Government 2nd instant N^o 2437. -

3. The Chief Engineer will have learnt from the letter just referred to that to cut off the old breach, as was done last year, by a wall - from the waterway of the Ancient, is considered to be the best arrangement for the present season that can be adopted. -

4. The rough estimate for constructing the wall, which it will be observed the Chief Engineer has ordered to be commenced, is Rupees 1175. - The regular Estimate will be submitted for the sanction of Government as soon as it is received, and the

To Engrs. & Surveyors 1868. 48.
To Engrs. & Surveyors 1868. 105.

To 158 N^o 258
from the Agent & Engrs.
M. A. C. C.

To The Consulting Engineer
M. A. C. C.

Letter N^o 298/2/88
Recd 298/2/88

Received by the Agent
from the Chief Engineer's
letter. Relative to the
Ancient & Ancient.
also former tracing.

the Chief Engineer will be asked to include in
all the expenses, including the value of stores,
referred to in the latter part of para. 5 of his
letter.

Cousins's Office,
Imperial Canal Comp.
Madras, 9th Aug 1866.

Volunteers
Captain, R.E.
Cousins for I.C. Company.

To,
The Secretary to Government P.W. Works.

E. J. M. B.

13th Aug 1866 O.A. 155

10/165

No. 26411 - 22nd Aug 1866

Submitted for the information
of Government the letter of 8th 1866
from the Chief Engineer
received with 18th 1866
of the 6th instant in con-
tinuation of letter of 31st 1866
the 20th 1866 P.M. 4. 2. 2. 2. 2. 2.
of 21st 1866 inclusive to the
Government of Madras.

1st Plain returned - 5-9-66

Enclosure 2

Called 9th August 1866
of 10th 1866

To
The Secretary to Govt
P.W. Works.

For
The Consulting Engineer
for the Madras I.C.
Company
J. C. Cousins
10th 1866

No. 2641

Public Works Department

Proceedings of the Madras Government

Under date the 22nd Aug 1866

From
The Consulting Engineer
Imperial Canal Comp.

Read the following

(No. 48 of 9th Aug 1866)

The proceedings of the
Consulting Engineer for the
Madras Irrigation and
Canal Company as reported
in this letter are ap-
proved -

W. J. M. B.
For the Consulting Engineer
for the Madras I.C.
Company

J. C. Cousins

Despatched 23rd Aug

P. W. 1866. Departt

Prize of Govt for August

U. 2641

Prop of the Madras Govt

Dated 22 August 66

The proceedings of the Consulting Engineer in connection with the building of a wall, &c. at Irrigation Company's Anicut at Soonkasala, approved.

A 465-106