

(1) Number of pages 12
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. <u>12-87</u>	Press Mis.
Dated <u>12-87</u>	1865.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
12th May 1865.*

No. 246. Read the following letter from Captain J. MULLINS, R. E., Consulting Engineer for Irrigation and Canal Company, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Madras, 25th April 1865, No. 246:—

SIR,

1 Tracing.
2 Plans.
3 Estimates.
1 Letter in original from Agent, General No. 1,271.
* From Agent No. 187, 12th April, with Acting Chief Engineer's No. 1,772 of 29th March.
Plan of proposed walls.
Elevation and section of do.

1. I have the honor to forward, for the sanction of Government, an estimate, Rupees 37,180, for the repair of the Soonkasala anicut and head works, together with the letters and plans as per margin.*

2. The estimate includes Rupees 881-8-3 for sundry repairs to the anicut across both branches; Rupees 15,426-10-4, the cost of the temporary dam thereon across the breach after the occurrence of the accident last year; and the remainder provides for the closing of the breach and the strengthening of this part of the anicut, in the manner shown in the plan.

3. I did not, when at Soonkasala in March, understand that the Acting Chief Engineer intended constructing the two massive cross walls shown in the plan, and which are estimated to cost upwards of 3,000 Rupees. The object of the walls as then proposed was to check the spread of damage resulting from the displacement of any of the covering stones of the sloping apron, and walls of a much slighter section would suffice for this purpose. The cross walls, however, as shown in the section, are as massive as the body wall of the anicut, and if they are properly constructed, the mass of rubble, the concrete, and the covering stones, together estimated to cost Rupees 8,340, would seem to be unnecessary, as their effect would be to break the overfall into three parts, of which the last and greatest fall would be only 12½ feet on to rock, were the rubble left out. I should think also that, if it be possible to found a good masonry wall in rear of the line of the breach, it would be better to construct the first cross wall immediately in rear of the re-built body wall, or as near as would allow of a bank of puddle to stop leakage being placed between the two walls; then to fill in with rubble and concrete, and finish off with large sized and carefully fitted stone masonry. The second cross wall, and all the sloping apron could then be dispensed with. This arrangement would be an approximation to that shown in the second diagram, in the margin of paragraph 5 of my letter No. 40 of the 2nd July last, the difference being that the wall B. would be a few feet distant from A. to allow of puddling. If, however, properly founded masonry cross walls cannot be built, it would seem to be sufficient to make these retaining walls about four feet thick and 6 feet to 7½ feet deep, or with a square section of 24 to 30, instead of 175 and 104½ square feet respectively. A copy of this paragraph has been forwarded to the Chief Engineer through the Agent, in case the latter Officer should wish to make any use of these suggestions, but I am afraid that the works will have gone too far to allow of any material alterations being made.

4. In the plan of the walls, I have had entered in this Office the wall on the line of the anicut body, across the breach, which is referred to in the Acting Chief Engineer's letter of the 29th March, and in the trace thereto attached.

*Proceedings of the Madras Government, Public Works Department,
12th May 1865.*

5. The other estimates referred to in the Agent's letter, and which are herewith forwarded for sanction, are Rupees 818 for an embankment at the north end of the north branch of the anicut for which the requisite land has been obtained under the arrangements communicated in Proceedings Madras Government No. 3,547, dated 13th December 1864, and Rupees 144 for a cutting to supply Rajooly, a village on the north bank of the Toombuddra a little below the anicut, with water, the anicut works having interfered with its ordinary supply.

No. 247.

ORDER THEREON, 12th May 1865, No. 1,289.

CIVIL WORKS, No. 32.

1. With the letter above recorded the Consulting Engineer for the Irrigation and Canal Company transmits estimates received from the Manager for the following works:—

1st. Repairs, &c. of the Soonkasala anicut and head works. RS. 37,180

2nd. Constructing an embankment at the north end of the north branch of the anicut

3rd. Excavating a channel for the supply of water to the

Rajooly village on the north bank of the Toombuddra, a short distance below the anicut

144

2. The first estimate provides both for the repair of the Soonkasala anicut and for several works rendered necessary by the breach which occurred during last

freshes and has been noticed in the Orders marginally noted*. Captain Mullins believes that much of the proposed masonry

work is unnecessary, and he has made a

reference on the subject to the Company's Chief Engineer. Seeing, however, that the work is stated to be near completion, and being of opinion that it is unsafe to impose restrictions on the Company's Officers in taking such measures as to them may seem necessary to ensure the stability of the all-important anicut at Soonkasala, the Government do not think it expedient to take upon themselves the responsibility of determining the exact manner in which the breach shall be closed or the work strengthened. They accordingly sanction the estimate of Rupees 37,180.

3. The second and third estimates above noted are also sanctioned.

(True Extract.)

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

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

Exd. T. O'Connor.

Consulting Engineers Office,
Irrigation and Canal, Co.
Madras 25th April 1865

No 246.

From, Captain J. Mullins R.E.,
Consulting Engineer, I.C.C.
To, The Secretary to Government,
Public Works Department.

1. I have the honor to forward for the sanction of Government an Estimate Papers 37180 for the repair of the Soonkasala ancient and head works, together with the letters and Plans as per margin.

From Memo No 187-120 dated 1864 with actg. ch. Eng. No 1772 of 29 March. Plan of proposed walls Elevation & Section of D.

2. The estimate includes Papers 881-8-3 for sundry repairs to the ancient across both branches; Papers 15426-10-4, the cost of the temporary dam thrown across the breach after the occurrence of the accident last year, and the remainder provided for the closing of the breach and the strengthening of this part of the ancient, in the manner shown in the plan.

3. I did not, when at Soonkasala in March, understand that the acting Chief Engineer intended constructing the two massive cross walls shown in the plan, and which are estimated to cost upwards of 3000 Rupees. The object of the walls as then proposed was to check

Public Works 1865-8/11

Ch. of Govt for May

No 1289.

Secy to the Government

25/12/65

1864-6-249

2/10/65

2/10/65

Consulting Engineer, Land, etc.


 40 Wd St. 2 Duple
 West York 24.6
 Recd your good pollay
 of 11.6.46
 The Consulting Engineer
 L. H. C. Co.
 The Secretary to Government

Dated 25 }
Recd. 27 } April 1868

Forwards for the sanction
of Government in Estimate

Express 37,180 for the repair of
the Soukavala University Road
Mukherjee, Sec. Sec.

no. 1289 - 12^m Mary 1865-

Ms. A. 9. 2. 1857

Civil Works Public Works Dept

1289 97
No 1289
Proceedings of the Madras Government
12th May, 1865

Under date the 12th May 1865
Read the following

From the Consulting Engineer
H. C. Conroy

Forwards for the sanction
of Government an Estimate
of Rs 37,180 for the repair of
the Bonikarula ancient and Head
Works &c &c

With the letter above
recorded the Consulting
Engineer for the Irrigation
and Canal Company
transmits
received from the
Manager for the fol.
lowing works

Repairs to of the
Pomkassala Ammunt and
Head Works - \$37,180-

2^o Constructing an embankment
at the north end of the North
branch of the Amnint — # 878 —

3^o Excavating a channel for
the supply of water to the Rajah
villages on the north bank of the
Tombudra a short distance
below the Amnint — # 144 —

The first Estimate
provides both for the
repairs of the Soukassala
Amnint and for
several works rendered
necessary by the breach
which occurred during
last freshes and has
been noticed in the
order marginally noted.

Mr. Mullens believes that
much of the proposed
masonry work is un-
necessary and he has
made a reference on
the subject of the
subject of the

V-2167 dated 29 July/64
" 2648 " 13 Sep/64
" 3298 " 17 Nov/64
" 3600 " 16 Dec/64

Feeling, however, that the
work is stated to be
near completion, and
being of opinion that
it is unsafe to
impose restrictions on
the Company's Officers
in taking such measures
as to them may seem
necessary to insure the
stability of the still
important Amnint
at Soukassala, the
Government do not
think it expedient to
take upon themselves
the responsibility of de-
termining the exact
manner in which the
breach shall be closed
or the work strengthened.

They accordingly sanction
the Estimate of # 37,180 —
The 2^o and 3^o

Estimates above noted
are also sanctioned
13th May —

Copy in a Letter to England
of 27 June 1865

No. 11. 1865 Department
No. of Court for May

No. 1289.
No. of the Madras Court
Of 12 May 65

The three estimates
amounting in the aggregate
to Rs. 142 for repairs to
the Madras P. & C. Canal
Agent and head works
at Lokasala Sanyasin

No. 246. 247

27 May 1865 D. 5th