

1. Name of Officer
2. Designation
3. Initials of Officer

[Handwritten Signature]

M.L.O. 1-32,400-22-11-20

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Cms 8/13.4.1858

G.O. No.	<i>665</i>	Press Mis.
<i>58-59</i> Dated	<i>13.4.</i>	<i>1858</i>

Not to be folded or roughly handled

Fort Saint George, Public Works Consultation of 13th April 1858.

No. 58. Read the following letter from Colonel C. E. FABER, Chief Engineer ; to H. FORBES, Esq., Acting Secretary to Government, dated 9th March 1858, No. 7945.

SIR,

Letter No. 1845, dated 24th February 1858.
1 Plan.
1 Estimate.

With reference to Extract Minutes Consultation No. 359, dated 2nd March 1858, I have the honor to submit an estimate of the expense of repairing and improving the Casaveram annicut, across the River Corteliar, in Chingleput District amounting to Rupees (10,100) ten thousand and one hundred, accompanied by a letter from the District Engineer, in explanation of certain points noticed in my former report to Government, dated 19th February 1858, No. 7501.

2. Lieutenant Moberly justifies himself from my remarks, on the apparent faultiness of construction, by pointing out the unusual site selected by the late Civil Engineer 4th Division for the work, and there is no doubt, that the objections are just, but they should have been urged *before* Lieutenant Moberly commenced the work ; and under the condition of adopting the site fixed by his predecessor, the District Engineer should have adopted measures for rectifying the bed of the river, for the safety of the works.

3. While admitting therefore, that the responsibility of selecting an unfavorable site, and of neglect in the execution of the works, does not after this explanation attach to Lieutenant Moberly, I cannot acquit that Officer of inattention to the obvious professional means of remedying the original defects, which should have suggested themselves after the first injuries were sustained, in the monsoon of 1856.

4. It appears that the measures now in progress under the Superintending Engineers orders, will promote the security of the works, which however will demand annual inspection and careful management, whilst the measures themselves will require the best workmanship and materials, and altogether more close attention and Supervision than appear to have been hitherto given.

Letter from Lieutenant A. S. MOBERLY, District Engineer of Chingleput ; to Colonel C. E. FABER, Chief Engineer, dated Camp at Guindy, 24th February 1858, No. 1845.

SIR,

I have the honor to forward the accompanying estimate for Rupees 10,100 for repairing the damage done to the Casaveram Annicut and subsidiary works prepared agreeably to the instructions of Major Lawford ; the accompanying survey will shew the cuts proposed to be made : these works are being proceeded with agreeably to Major Lawford's orders.

2. I would beg to point out a slight mistake that Major Lawford has made in para 3 of his report No. 262 of the 16th Instant ; the dam across the Corteliar river is of brick in chunam on a foundation of rough stone in chunam this was according to Captain Collyer's estimate as Mr. Goodchap was able to pick up a few cut stone in the neighbourhood at a not much greater price than the bricks and it was sufficient for the length I gave orders to him to put it on as a coping. Major Lawford appears to have made this mistake in consequence of the foundations' aprons, and also the Calingulah being of Rough stone in chunam.

3. With reference to Extract from your Proceedings No. 7500 of the 19th Instant forwarding copy of Major Lawford's report with a transcript of your letter to Government No. 7501 of the 19th Instant, and calling upon me to report on the causes of the accident, I have the honor to state that after a careful perusal of Major Lawford's report I can see nothing which should lead you to suppose "that there must have been defective workmanship or materials or professional management generally" and beg that that Officer, who has had great experience in these kind of works, may be called upon to state his opinion as to whether the workmanship or materials be at all bad, or if he thinks the management has been defective.

4. During the heavy fresh in November 1856, the annicut, when only newly built, was not much injured, only a few of the upright stones being upset, and I think this proves that neither the workmanship nor materials were bad ; the damage then was almost entirely confined to the bank between the Annicut and Calingulah, the West wing wall of Calingulah was quite exposed by the breach and yet was not injured ; the breach was filled up in the beginning of 1857, and

Fort Saint George, Public Works Consultation of 13th April 1858.

revetted with stone and two groins were also placed so as to keep the set of the river off the west wing wall; the earth for filling the breach was brought from the opposite side of the channel and some of the projections were cut off, but as sufficient quantity, in Major Lawford's opinion, had not been removed and the portion marked yellow in the Plan has been estimated for according to his instructions.

5. As regards the Caratoor Annicut this also had stood the test of a previous monsoon and the Chief damage is the bursting of the bank on the North side it is true that there are cracks in the masonry but Major Lawford thinks that there is no danger.

6. Major Lawford has stated it as his opinion that the damage has been caused in a great measure by the bed of the river above the Annicuts requiring to be cleared so that the set may come fairly upon the Annicuts from what he pointed out to me and my previous knowledge of the set, which has changed since the Annicuts were built, I quite agree, but at the same time as I am called upon for my opinion I beg to state, with all due deference to Captain Collyer who planned and estimated for these Annicuts, that I think the Casaveram Annicut instead of being placed at the end of a long bank, should have been placed about half a mile lower down which would have saved the necessity of the long bank.

No. 59.

ORDER THEREON, No. 665; dated 13th April 1858.

On the 19th February last, the Chief Engineer submitted a letter from the Superintending Engineer of the Southern Circle, reporting that the Casaveram Annicut across the Corteliar river in the Chingleput District had breached during the rains of November last. Major Lawford suggested certain repairs and improvements to place the Annicut and its subsidiary works in security. He stated that the supply of the Chembrumbankum tank, yielding a revenue of not less than Rupees 60,000, was dependent on the Annicut channel, and considered the works of such an urgent nature, that he authorized the District Engineer to proceed with them at once.

2. Under the circumstances thus represented, the Government sanction, on emergency, the Estimate amounting to Rupees (10,100) ten thousand and one hundred, submitted with the Chief Engineer's letter above recorded, for the repairs and improvements required to the Casaveram Annicut and its subsidiary works. They request the Officer in charge of the Central Office to issue instructions to the District Engineer respecting the execution of the work, to the effect stated in the latter part of para. 4 of Colonel Faber's present letter.

(Signed) H. FORBES,
Acting Secretary to Government.

Revenue
Irrigation

N. 7745 Central Office of P.W.
Fort Saint George

From, 9th March 1858.
The Chief Engineer.

To, The Secretary to Government

Sir, P.W.D.

With reference to Ex. Insd. Cons. N. 359, dated 2nd

March 1858, I have the honor to submit an Estimate of the expense of repairing and improving the Casaveram Annicut, across the River Corteliar, in Chingleput District amounting to Rupees (10,100) Ten thousand and one hundred, accompanied by a letter from the District Engineer, in explanation of certain points noticed in my former report to Government, dated 19th February 1858. N. 7501.

2 Lieutenant Ingham justified himself from my remarks, on the apparent faultiness of construction, by pointing out the unusual site selected by the late Civil Engineer L. Division for the work, and there is

no

no doubt, that the objections are just, but they should have been urged before Lieutenant Noberly commenced the work, and under the condition of adopting the site fixed by his predecessor, the District Engineer should have adopted measures for rectifying the bed of the river for the safety of the works.

3 While admitting therefore, that the responsibility of selecting an unfavorable site, and of neglect in the execution of the works, does not after this explanation attach to Lieutenant Noberly, I cannot acquit that Officer of inattention to the obvious professional means of remedying the original defects, which should have suggested themselves after the first injuries were sustained, in the monsoon of 1856.

4 It appears that the measures now in progress under the Superintending Engineer's orders, will promote the security of the works, which however will demand annual inspection and careful management, whilst

whilst the measures themselves will require the best workmanship and materials, and altogether more close attention and supervision than appear to have been hitherto given.

Central Office of P.W.

Fort-Saint-George

7 March 1858

U.

To

I have the honor to be,

Sir,

Your most Obedt Servt.

Wm. Lister Colonel

Chief Engineer.

The Secretary to Government

P.W.D.

4511.

Public Works Department
No. 665.

Extract from the minutes of Consultation
Under date the 13th March 1858.

Read the following letter
from the Chief Engineer.

Memorandum of March 1858 No. 7/115

On the 17th Feb^y.
last the Chief Eng^r sub-
mitted a letter from the su-
-perintending Engineer of
the Southern Circle, reporting
that the Gavaveram Aunien,
across the Fortelhar river
in the Chingleput District
had breached during the
rain of November last.
Major Sawford sug-
-gested certain repairs
and improvements for
placing the Aunien and
its subsidiary works in
security. (He stated
that

Wd

2:22 March 1858 12:45-96.

20 March 1858 Department
under 13th March 1858.

From the Chief Engineer

To the Secretary to the

20 March 1858

17/2/58

Enclosed 3rd 1858

Submit with observations

a letter from the Chief

Engineer put forwarding an

estimate amounting to Rs 10,000

for repairing & improving the

admission canal across

the River Crater.

1858

17 March 1858

that the supply of the
Chimbrum barium salt
yielding ^{a revenue of} not less than
Rs 60000 was dependent
on the Rajmunt Channel
and considered the works
of such an urgent na-
ture that he authorized
the District Engineer to
proceed with them at
once.

Under the circum-
stances thus represented,
the Govt sanctioned, on emer-
gency, the Estimate con-
amounting to Rs (10100) Ten
thousand and one hundred,
submitted with the Chief
Engineer's letter above
referred, for the repairs
and improvements required
to the Jannarain Au-
ment and its subse-
diary works. They re-
quest the Officers in
charge of the Central
Office

Office will issue in-
structions to the District
Engineer respecting the
execution of the work
to the effect stated
in the latter part of
para 4 of Col. Lister
present letter.

BZ

4 Copies to the Chief Engr.
Exp¹³

Will. Norton 1858 Del. to
Case: 1858 April 6

18665

Original Prison of Del.
Dated 1858 April 6

At present the Prison
being in emergency the Del.
made only 18,000 for
the 1858 and in future will
be increased to 20,000. The
Prison Commission has the
newest and best in the
State of Del.

1858609

229 March 27 April