

(1) Number of pages 4
 (2) Date of repair 30. 5. 81
 (3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	4400. D.L.V.	Press.
B.P. No.		Mis.
Dated	23. 7. 1877	197

Not to be folded or roughly handled

1
4102

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

10th July 1877, No. 150 I.

Irrigation.

Read the following paper:—

No. 74 I.

No. 47. *Note by the Chief Engineer for Irrigation.*

THE letter No. 1,109 of the 22nd June 1877, contains the explanations of the Superintending Engineer, Chingleput, regarding the delay which has occurred in submitting a revised estimate for the Madras Water Works Project. They are by no means as definite as Government apparently desired them to be, and no information is given as to the time by which the estimate will be complete. In another letter, No. 695, dated 29th May 1877, transmitting the estimates for distributaries which will be an item of the general estimate, Colonel F. J. Moberly intimates that nearly everything has been settled except the amount of land compensation, and that a reference has had to be made to the Revenue Officers regarding this. Whether or no this reference could not be made before or when it was made, has not however been indicated.

2. The letter states that there has been delay in connection with three considerable items of the estimate.

- I.—The cross drainage works of the Cholayeram tank supply channel.
- II.—The river embankment.
- III.—The distributaries under the Cholaveram and Red Hills tanks.

(1). The first was settled early in 1875, Proceedings, Madras Government, 15th July 1875, No. 2,011, and 25th August 1875, No. 2,428. A change of design was made* with a view to economy, but there was nothing to prevent the designs and estimates for

* At the suggestion of the Executive Engineer.

ordinary weirs with flood shutters being prepared and included in the revised estimate. Modifications of design could have been proposed afterwards. This would have been moreover the more satisfactory plan, seeing that then the relative merits of the designs with and without sluice vents would have been more easily ascertained. The cross drainage works need not therefore have delayed the revised estimate beyond the 1st August 1875 at most. The estimates were submitted with the Superintending Engineer's letter No. 2,261, dated 25th September 1876, and were approved in G.O., No. 2,785, 17th October 1876.

(2). It is not quite clear what the river embankment here referred to is. The only river embankment to be included in the revised estimate was an extension of an existing embankment on the right bank of the Cortiliar below the anicut to the left bank of the Cholaveram tank supply channel above the Katankal surplus weir. The requirements were settled in March, April 1875, and a week would have sufficed to do all that was requisite.

(3). The distributaries have taken as many months to design and estimate as they should have occupied weeks. The Superintending Engineer states that the Executive Engineer, Captain A. C. Smith, neglected the instruc-

tions given to him and that at last the former had to take the papers into his own hands.

3. The undersigned is of opinion that the revised estimate might have been completed and submitted by the end of 1875, and that the delay which has occurred and which has not yet been concluded is due to the Superintending Engineer not taking steps for having each part of the work to be done determined at the proper time, and the requisite arrangements made then and there for doing it.

FORT ST. GEORGE,
27th June 1877.

(Signed) JOHN MULLINS, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

From Colonel F. J. MOBERLY, R.E., Superintending Engineer, Chingleput, to the Chief Engineer for Irrigation, dated Camp at Seemapuram, 22nd June 1877, No. 1,109.

In reply to your No. 62 CN, I have the honor to observe that the revised estimates of the Madras Water Works Project have been delayed chiefly through the revision of the plans for carrying the drainage down or across the supply channel from the anicut, the embankments required to protect the works from the Cortelhar in flood, and the distribution channels under the two tanks.

2. The first point entailed consideration of the question of discharge of water from a given basin in a given period; and even since this was in a measure decided by you doubts have arisen and plans have been altered repeatedly; even now I would observe we are obliged to leave weak places in our embankment acknowledging the insufficiency of the weirs which we have provided.

3. The designs were now, and much time was occupied in drawing plans and preparing estimates.

4. The survey of the ground for the river embankment was, in my opinion, very slowly done.

5. Much time was lost in estimating for the distribution channels; originally through neglect of my instructions as to complete separation of irrigation and drainage; Captain Smith had just gone on leave when the plans were returned in July 1876; the young officer who was in temporary charge had great difficulty in carrying on current work, and I could not undertake to go through the calculations required for working the channel with varying heads, &c.

6. When Captain Smith returned the channels had all to be levelled again on the lines which I laid out, with a view to keep the drainage of the country distinct from the irrigation.

7. Eventually I was obliged to take all the papers into my own hands and draw up nearly everything myself, and this at a time when I had a very great amount of additional work in providing employment for famine laborers.

No. 48.

ORDER THEREON, 10th July 1877, No. 150 I.

The explanations afforded by the Superintending Engineer, Chingleput, are not complete or satisfactory. Colonel F. J. Moberly will be called upon to state when the reference to the Revenue Officers regarding land compensation was made, and the Revenue Department will be asked to arrange for the information required being furnished as soon as possible.

(True Extract.)

John Mullins
Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, Chingleput.
" Chief Engineer for Irrigation.
" Revenue Department.

Exd. E. C. Shunker.

14 Spare Copies

2
4100

Revenue Department
No 3335

IRRIGATION.

Govt. of 1877 Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
CHINGLEPUT.
&c., &c., &c.

Dated July 10th.

Issued

Recd.

19 July

Encl.

G. O., 10th July 1877, No. 150 L.

JULY.

Nos. 47-48.

Dis 20-7-77 N: 4100.

Madras Water Works Project. - Passing
orders on Note by the Chief Engineer for
Irrigation forwarding with remarks letter
from the Superintending Engineer, Chingle-
put, explaining the delay in submitting a
revised estimate for the —

N^o 4100

Communicated
to the Board of Revenue
for the purpose of the views
for the purpose of the
any instructions with
reference to the
reference to the
cluding clause of the
concerning the
forwarding order
of the Superintending Engineer

23rd July 77

14th 2nd of Revenue 20-7-77.

Wm. Arthur