

(1) Number of pages 6
(2) Date of repair 18-10-69
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	451	Press
B.P. No.		Mis.
Dated	18-2-1876	1876

Not to be folded or roughly handled

ERRATA.

C.S. - 702 — In G.O., No. 320, dated 5th Feb. 1876, para. 2, for Irrigation No. 1 W, read No. 1 I.
 " " " 364 " 11th " " " 2, for " " 2 W, read " 2 I.
 " " " 373 " 11th " " " 3, for " " 3 W, read " 3 I.
 " " " 365 " 11th " " " 3, for " " 7 W, read " 7 I.
 " " " 368 " 11th " " " 2, for " " 6 W, read " 6 I.

Amul Scott

Major, R.E.,

Under Secretary, Irrigation Branch.

To the District Engineer, Trichinopoly.
 " Collector of Trichinopoly.
 " Chief Engineer for Irrigation.
 " Examiner of Public Works Accounts.
 " Revenue Department.
 " Superintending Engineer, Chingleput.
 " Collector of Chingleput.
 " Financial Department.
 " Superintending Engineer, Kistna.
 " District Engineer of Cuddapah.
 " Collector of Cuddapah.

2
451

*Proceedings of the Madras Government, Public Works Department,
5th February 1876.*

Read the following papers :—

From Major J. VERTUE, District Engineer, Trichinopoly, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Trichinopoly, 6th January 1876, No. 798.

ADVERTING to your memorandum No. 586, of 2nd June 1875, I have the honor to submit documents as per margin for a surplus sluice in north Coleroon bank in the limits of Esanakarei.

The sluice is proposed to carry the discharge from the sand escape (marked *rey*) in the south Iyen channel into the Coleroon. The sand escape has two of 5 feet $\times$ 4 feet; the proposed sluice has two vents, 5 feet $\times$ 4 $\frac{1}{2}$ feet.

Through the latter will also pass the drainage of 100 acres west of the site. The sand escape is only opened during the highest freshes of the Caverry, come with the south-west monsoon, and last but for a few days. The main then of the proposed sluice is to carry off the surplus from the 100 acres of ted land.

4. Allowing a maximum fall of 2 inches per hour and $\frac{3}{4}$ ths for evaporation absorption, the quantity of water to be passed is $200 - 80 = 120$ cubic feet per 1, and for this the water-way allowed is amply sufficient.

5. The original estimate allowed for self-acting shutters in rear, but by an light they were not shown in the plan. Balk shutters have been provided in as the lands to the east are partially irrigated by the surplus of the fields above, it is therefore useful to have a ready means of retaining the water.

6. A road-way of 10 feet is allowed in the estimate, as it is in contemplation by local Fund Board to carry a road along the north Coleroon bank.

7. The raising to its proper height above flood level of the Coleroon bank will be carried out under an estimate for the repair of the bank.

No. 105.

76-A. *Note by the Chief E for Irrigation.*

WITH his letter No. 213, of the 27 1875, the District Engineer, Trichinopoly, transmitted an estimate, amounting to Rupees 1,250, for "a sand sluice to be constructed in the Therku Iyen channel in the limits of Esanakarei, on account of which Rupees 625 have been contributed by the Collector from the Voluntary Cess Fund.

2. The information furnished being, as to a great many important particulars, either incomplete or altogether wanting, the omissions were pointed out, and the

2nd June 1875, No. 586.

ent District Engineer has transmitted a revised design and estimate amounting to Rupees 2,350.

3. It is now shown that the work required is not a sand sluice for the Therku n channel, but a surplus sluice in the Coleroon bank.

4. The design has not been prepared to fit the bank. It appears useless to add horizontal wings with parapets which would stand up far above the earthworks rear of them, while were the latter carried out to fit such wings, the wing returns would have to be lengthened to over 20 feet to carry the slopes. The wings should

*Proceedings of the Madras Government, Public Works Department,
5th February 1876.*

therefore be sloped to agree with the earthwork slopes. Again, the great splays given to the wings are unnecessary, and increase the cost by adding much to the area of the flooring. Concave wings on the upper side are not suitable. The wings should be altered as marked in dotted lines. The lower (river side) wing returns will need to be 12 feet long, and the slopes where overlapping these returns should be revetted. The foundations of the lower retaining wall should be laid at 194.35, corresponding with the level of the foundations of the main walls. Abutments 4 feet thick are unnecessary for 4 feet vents, 3 feet will be ample.

5. As pointed out in this office memorandum, an essential level is Coleroon maximum water level and the margin allowed above this should be $4\frac{1}{2}$ feet. What is called H.W. mark has been noted, but this may be anything, and M.W.L. with the year of its occurrence should be shown. The road-way should be $4\frac{1}{2}$ feet above this M.W.L. whatever it may be.

6. Subject to attention to these remarks the estimate may be sanctioned. There will be saving on the abutments, flooring and wings, and so it is not likely that the cost of the sluice with the revisions required will exceed the estimate.

FORT ST. GEORGE,
26th January 1876.

(Signed) J. MULLINS, Lieut-Colonel, R.E.,
Chief Engineer for Irrigation.

No. 77.

ORDER THEREON, 5th February 1876, No. 320.

IRRIGATION, No. 7.

THE estimate of Rupees 2,350, for constructing a surplus sluice in the north Coleroon bank in the limits of Yesanakarei, Trichinopoly District, is sanctioned. Rupees 625 have been contributed from the Local Cess Fund and the remainder will be charged to Agricultural, Miscellaneous, New Works, and will be provided for from the district grant for Minor New Works.

2. The District Engineer will take care that the alterations of the design pointed out by the Chief Engineer for Irrigation to be necessary are duly attended to. The sanction accorded in paragraph 1 has been registered as Irrigation No. 11 W. of 1875-76.

(True Extract.)

[Signature] Major-General, R.E.,
Secretary to Government.

To the District Engineer, Trichinopoly.

- „ Collector of do.
- „ Chief Engineer for Irrigation.
- „ Controller of Public Works Accounts.
- „ Revenue Department. ✓

Exd. S. T. Austin.

1/4 Spare Copies

Revenue Department
No 702

Govt. of 1876 Madras.

PUBLIC WORKS. ✓

THE DISTRICT ENGINEER,
TRICHINOPOLY.
&c., &c., &c.

Dated February 5th.

Issued

Recd.

17:

Engl.

G. O., 5th February 1876, No. 320.

W. Mess

FEBRUARY.

Nos. 76-77

Therku Iyen Channel in the limits of Yesso-
nakare, Trichinopoly District.—The estimate
of Rupees 2,350 for constructing a sand
sluice to the —, sanctioned with remarks.

N. 451
Comm. to the
Board of Revenue
18 Feb 76

9 To the Board of Rev. Dn 19 Feb