New No. Sectt. I (i)-1—Old No. M.R.O. 1—10,006—10-6-68.

(1) Number of pages 4

(2) Date of repair 25. 2. 1970

(3) Initials of the Referencer

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. 2306 Press
~~B.P. No.~~ Mis.

Dated 3. 10. 1876 ~~196~~ .

Not to be folded or roughly handled

Dr

2306/1

Read the following :—

No. 178 W.

No. 193. *Note by the Chief Engineer for Irrigation.*

The Superintending Engineer, Chingleput, forwards, with his letter marginally noted, an estimate in connection with the Kulcolum tank, situated in the Madranticut taluq, No. 3 or Chingleput Range.

No. 398, dated 10th May 1876.

2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow :—

Ordinary Agricultural.

	Rs.
Original Works.	
Constructing a masonry weir	410
Repairs.	
Reconstructing an irrigation sluice	1,520
Repairing the bund, removing the upright stones of calingulah, lowering the crest of weir, and relaying their surface stones	3,095
Total ...	5,025

3. The following particulars of this tank are recorded :—

Ayacut area	Acres	578
Assessment	Rupees	2,500
Average revenue	„	1,121
Highest do.	„	1,632
Expenditure during the previous four years	„	3,146

The area of the catchment basin is 8 square miles ; the maximum flood-supply is calculated at 2,250 cubic feet per second, for discharging which, as surplus there are two outlets, one a calingulah of 30 feet and the other a weir of 62 feet, and it is proposed to construct an additional weir of 77 feet, making an aggregate length of 169 feet available for the surplus discharge. It is also proposed to remove the dam stones of the calingulah, and to lower the body wall of the existing weir. The estimate also provides for the bund repairs and the reconstruction of an irrigation sluice which was washed away by the floods of 1874.

4. The circumstances of this tank have been discussed with the Superintending Engineer in correspondence marginally noted. The original ayacut has been reduced from 578 to about 320 acres, and the reduction of the storage capacity by lowering the weir is therefore feasible without loss of revenue. By the arrangements proposed the tank when full will contain about 3·2 million, instead of 6·47 million, cubic yards of water, and the length of weir provided will at the same time discharge the flood-supply with safety.

From Superintending Engineer, No. 1,646, dated 29th July 1875.
To Superintending Engineer, No. 890, dated 9th August 1875.

5. The position selected for the additional weir is not clearly shown. In the survey of the tank and the longitudinal section of the bund, the ground at the site indicated is apparently $5\frac{1}{2}$ feet below F.T.L. and west of the large calingulah. In the section of the weir it is shown to be $1\frac{1}{2}$ feet below F.T.L. Further, on a survey plan of the ground at the back of the large calingulah the ground is shown as cut away east of the large calingulah, and at the extreme flank of the bund to form a flush escape.

6. The reconstruction of the irrigation sluice which was destroyed in 1874 has not been shown to be necessary on hydraulic grounds, that is to say, it has not been demonstrated that the remaining sluices cannot do the work of the one destroyed as well as their own. In fact it is obvious that so far as command goes they are fully capable of irrigating all the ayacut, and the waste of water which would ensue by the abandonment of the low level sluice in question would be insignificant, viz., 35,000 cubic yards, or about enough for, say [illegible] acres. The total acreage that would be irrigated from this sluice (C) is 100 acres and the channel from the ruined sluice can easily be supplied from the next sluice (B). It appears to the undersigned therefore that it would be a waste of money to spend Rupees 1,520 on the reconstruction of sluice (C), and an item of Rupees 50 has been allowed for any alterations necessary to sluice B to enable it conveniently to supply the channel of former sluice B and for a connecting channel.

7. The estimate without the item for the sluice is recommended for sanction.

(Signed) A. DEC. SCOTT, Major, R.E.,
Dy. Chief Engineer for Irrigation,
for *Chief Engineer for Irrigation.*

7th September 187[illegible].

To the Secretary to Government, Public Works Department.

No. 194. ORDER THEREON, 13th September 1876, No. 2,442.

IRRIGATION, No. 23.
Account.

THE following estimate from the No. 3 or Chingleput Range, forwarded by the Superintending Engineer, Chingleput, is sanctioned :—

KULCOLUM TANK.

Irrigation.

Ordinary Agricultural.	RS.
1. Constructing a masonry weir. Original Works	410
2. Altering an Irrigation sluice B, and connecting it with channel of ruined sluice B, Repairs	50
3. Repairing the bund and altering a weir. Repairs	3,095
Total ...	3,555

2. This sanction has been registered as No. 148 I of 1876-77.

(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.

To the District Engineer, Chingleput.
" Collector of Chingleput.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.
Exd. S. T. Austin.
14 Spare Copies

N. 4089
Rev. 1876. Dec

Govt. of {1876} Madras

PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
CHINGLEPUT,
&c., &c., &c.

Dated September 13th,

Issued

Recd. 60 17 *Encl.*

G. O., 13th September 1876, No. 2,442.

SEPTEMBER.

Nos 193-194.

Kuleelum Tank, Chingleput District.
Estimate for repairs and improvements to the —, sanctioned.

Do 2 cob

Communicated to the Board

Rec'd

11 Sodas Chain Duty Clerks Dec 7/Cd
Office Copy