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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	3729	Press.
B.P. No.		Mis.
Dated 2. 7. 1877		197.

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Not to be folded or roughly handled

3729
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GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

22nd June 1877, No. 97 L.

Irrigation.
Account.

Read the following paper:—

No. 50 I.

No. 85. *Note by the Chief Engineer for Irrigation.*

The Officiating District Engineer, Bellary, forwards, with his letter marginally noted, an estimate in connection with the Togaricottah Tank situated in the Hoovin-hadgully Taluq, Hospett Range.

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

ORDINARY AGRICULTURAL.

IRRIGATION.

Original Works.

New stone revetment	...	...	...	...	...	...	...	Rs.
								213

Repairs.

Raising and repairing the bund, re-packing the revetment, and repairing the rear cistern of sluice	...	...	...	...	...	...	...	Rs.
								1,530

Total	...	...	...	...	...	...	...	Rs.
								1,743

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

Ayacent area	...	...	...	...	...	...	...	Acres
Assessment	...	...	...	...	...	...	...	Rupees
Average revenue	...	...	...	...	...	...	...	144
Highest do.	...	...	...	...	...	...	...	123
Expenditure during the previous four years	...	...	...	...	...	...	...	143
								Nl

The area of the catchment basin is 4 square miles; the maximum flood supply is calculated at 538 cubic feet per second, for discharging which as surplus there is a channel whose sectional area is 60 square feet and fall 39 feet per mile.

This tank is first of a series and is situated about 5 miles from Hurpenhully.

The bund is low, viz., 1.5 feet above M.W.L., and not having been repaired for six years, it is irregular also, and the settling of the stone revetment has caused leaks.

The estimate provides for raising the bund to a height of 3 feet above M.W.L. with a top width of 12 feet (to carry an existing road) and side slopes of 1.5 to 1, and for relaying the stone revetment with gravel backing at a slope of 1 to 1, new stone revetment will be added on to a height of 1.5 feet and for repairing leaks in the bund and rear cistern of the sluice.

The work is stated, in the District Engineer's letter, 27th March, as being carried out as a relief work by the Revenue Department, and in his letter of 8th May 1877, in answer to a reference from this office as to the apparently unnecessary costliness of the proposed arrangements, the District Engineer says, "The work was set in hand by the Revenue Department as a relief work, and much of the earthwork had been done before an estimate could be framed for the proper repair of the tank. I

* Evidently a mistake for "M.W.L." would otherwise have arranged to have reduced the F.T.L.* and thus diminished the cost of the work." Apparently the arrangements are not altogether suitable.

bell and will prove no doubt ed of toll

The escape is a channel only 20 feet wide, and the great fall of its bed does not affect the discharge from the still pool of the tank, except so far as the conformation of the first few yards of the head of the channel are concerned. The actual discharge will with a depth of 3 feet probably not exceed 288 cubic feet a second, and maximum water-level, in the event of 5 inches draining into the tank in twenty-four hours, may be expected to rise to $4\frac{1}{2}$ feet above F.T.L. It would have been much safer to have merely levelled the bund to $4\frac{1}{2}$ feet above F.T.L. and to have provided more ample water-way for surplus. Leaks are noticed in the papers and a great rise above F.T.L. might lead to a breach although the bund might be of sufficient height above M.W.L. The District Engineer should ascertain whether there are facilities for widening the escape at, and for a short distance from, the tank. The rate, 4 Annas, for earthwork is about double what would have been necessary had not the work been started as a relief work when soil was unobtainable where wanted, and consequently half of this item and of tamping should be debited to the work. The average revenue is only Rupees 123, and it is perhaps to be regretted that a tank of so little value should have had so much money spent on it. The cost of gravel considered to be desirable for the roadway should not be charged to Agricultural Funds.

FORT ST. GEORGE,
12th June 1877.

(Signed) G. T. WALCH,
Ag. Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

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

No. 86.

ORDER THEREON, 22nd June 1877, No. 97 I.

The following estimate from the Hospett Range forwarded by the Officiating District Engineer, Bellary, is sanctioned:—

TOGARICOTTAH TANK.
Head of Service—Irrigation.

Group or Project.	Fund and Main-head.	Class.	Name of Tank.	Particulars of Work.	Amount.
...	Ordinary Agricultural Irrigation.	Original Works.	Togari-cottah Tank.	1. New stone revetment	RE. 213
		Repairs		2. Repairing bund and sluice dis-tern ...	1,530

To be carried out by the Public Works Department Officer in charge Hospett Range.

2. The District Engineer will report what would have been the amount of an estimate for the repair of this tank in a manner suited to its size and importance under ordinary circumstances.

3. This sanction has been registered as No. 71 I of 1877-78.

(True Extract.)

Colonel R.E.

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

To the District Engineer, Bellary.
" Collector of Bellary.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. E. C. Shunker.
Spare Copies

Revenue Department
No 3100

IRRIGATION
ACCOUNT

Govt. of 1877, Madras.

PUBLIC WORKS.

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To

The DISTRICT ENGINEER,

BELLARY.

Rs. 100 00 00

Dated June 2nd.

Amount

Rs. 29 June

Encl.

G. O., 2nd June 1877, No 27 L

See Memo

JUNE

Nos. 85-86

Forwards in Tank, Bellary District. The
estimate of Rupees 1,113 for repairs to the
sanctioned with remarks No 3729.

Comm. to the
Board of Revenue
2^d July 77

970 to 1018 Revenue 1877-78