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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. 2241 Press

B.P. No. Mis.

Dated 23.10.1875 196 .

Not to be folded or roughly handled

Read the following :—

No. 1,165.

No. 149. *Note by the Chief Engineer for Irrigation.*

No. 1,722, 4th August 1875. THE following estimates have been submitted by the Superintending Engineer, Chingleput.

Agaram Thooly Tank.—Repairs	Rs.	1,577
Dry stone Escape	,,	290
Total	,,	1,867
Ayacut Area	Acres	217
,, Assessment	Rs.	929
Average Revenue	,,	729
Highest do.	,,	949

Rupees 1,017 have been spent on the tank within the last four years. It breached in 1872, and again in 1874.

The area of the catchment basin is 5 square miles, and there are four Shrotriem Tanks* above it, all of which are reported to be much in need of repair.

* Maladooly.
Attyoor.
Salanoor (2).

The 51 *feet* of existing calingulah, of which only 45½ feet are effective, are altogether inadequate. The dam stones are to be removed, and 130 feet of dry stone escape given in addition. The tank is one of the many instances in which mere repairs without consideration of the real requirements of the case resulted in waste of money. A note of probable expenditure in 1875-76, at foot of report, shows that the sub-divisional officer contemplates spending Rupees 790 on repairs, and nothing on the additional escape. This will not do at all; first, the escape should be provided, and then the outlay on repairs may be made with some probability of the work done not being washed away. The tank is in the Madrambacum basin.

2. Arianoor Tank.—Repairs ... ... Rs. 1,100
Ayacut Area ... ... Acres 111
,, Assessment ... ... Rs. 284
Average Revenue ... ... ,, 270

Rupees 147 were expended in 1873-74 on the tank, but before that for fifteen or twenty years there was no outlay on repairs. The catchment basin is 2 square miles. The tank breached in 1872, and again in 1874, owing to the surplus weir having been built twelve or fifteen years ago with its crest 33 inches above F. T. L. in connection with an estimate for raising the bund which was not sanctioned, and which apparently was not necessary or expedient. The length of this weir is 60 feet, and the crest is to

be lowered to F. T. L., when it will suffice for the disposal of surplus. The sluice is in bad order and is to be repaired and improved.

3. Finnamy Tank.—Repairs	... ...	Rs. 615
Dry stone Escape	... ...	,, 160
Ayacut Area	... ...	Acres 72
,, Assessment	... ...	Rs. 338
Average Revenue	... ...	,, 367

The catchment basin is said to be 1 square mile, which is small for the acreage irrigated. It has no tanks above it, but it is in the Neclanungalum group. Surplus has been discharged over high ground at the west end of the bund. The estimate provides for a dry stone escape 62½ feet long, which may with advantage be increased to 80 feet, looking to the probability of the area drained having been under-estimated; the escape will then cost about 200 Rupees.

4. Vellapoothoor Tank.—Repairs	... ...	Rs. 725
Dry stone Escape	... ...	,, 215
Ayacut Area	... ...	Acres 199
,, Assessment	... ...	Rs. 523
Average Revenue	... ...	,, 429

There has been no recent expenditure, except on emergent work included in the present estimate.

This tank is in the Madrantiekum group, and it has two tanks above it. The catchment basin is 2¾ square miles, so it is not surprising that the full ayacut cannot be irrigated regularly. Apparently the ayacut might with advantage be reduced to 160 acres. Breaches occurred in 1874, which are accounted for by the fact that the means of escaping of surplus are a dry stone escape 36 feet long, whereas 115 feet are required, and will be provided. The interior slope of the bund, which has been much damaged, will be protected by tank grass.

5. Oolathanungalum Tank.—Repairs	... ...	Rs. 1,005
Dry stone Escape	... ...	,, 179
Ayacut Area	... ...	Acres 76
,, Assessment	... ...	Rs. 341
Average Revenue	... ...	,, 351

There has been no recent expenditure, except on emergent work included in this estimate. The catchment basin is said to be 1 square mile, which is small for the acreage and it appears to be probable that it is at least 1½ square miles. The tank belongs to the Neclanungalum group, and has no tanks above it. In May 1874 it was breached and much damaged, and in October the breach was much enlarged. Surplus has been discharged by a cut 80 feet wide, and no estimate has been submitted for an escape, but one is admitted to be required and should be provided at once; the cost for 62½ feet of dry stone escape is mentioned to be Rupees 179, and it will be better to allow for 80 feet, which will raise the amount to Rupees 225.

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

Fort St. George,
6th October 1875.

Proceedings of the Madras Government, Public Works Department,
11th October 1875.

No. 150. ORDER THEREON, 11th October 1875, No. 2,899.

IRRIGATION, No. 14.

Account.

THE following estimates are sanctioned:—

Chingleput District.

	Capital.	Revenue.
	Rs.	Rs.
Agaram Thooly Tank	290	1,577
Ariahoor ,, ...	...	1,100
Finnamy ,, ...	200	615
Vellapoothoor ,, ...	215	725
Oolathanungalum ,, ...	225	1,005

(True Extract.)

Major-General, R.E.,
Secretary to Government.

To the Superintending Engineer, Chingleput.
,, Chief Engineer for Irrigation.
,, Controller of Public Works Accounts.
,, Collector of Chingleput.
,, Revenue Department.

Appdix.

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