

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	1674	Press
B.P. No.		Mis.
Dated	27-5-195	195

Not to be folded or roughly handled

17

*Proceedings of the Madras Government, Public Works Department,
27th May 1875.*

No. 520.

Read the following :—

No. 510.

Note by the Chief Engineer for Irrigation.

THE following estimate has been submitted for sanction by the District Engineer, Salem :—

Repairs and improvements to the Atheepolliem tank	Rs. 3,140
Ayacut area	Acres. 205
„ assessment	Rs. 946
Average revenue	„ 863

2. The tank has not been repaired for many years. The Sub-Collector considers that 120 Rupees more than the ayacut assessment, or about 200 Rupees more than the average revenue, will be obtainable when the tank is put into proper order. The catchment basin is 6 square miles, and there is a supply channel from a stream. At present surplus is discharged at cuts at either end of the bund, and it is intended to supersede these by masonry surplus weirs, 115 and 80 feet long, respectively, which will discharge a maximum flood with a depth of 2 feet going over. The weir designs are suitable, but it will be desirable probably to place the outer rough stone apron about 18 inches below the surface of the masonry apron. In future the level of the ground for 50 to 100 yards, or more if necessary, on the line of the outfall should be given, as upon this depends the proper arrangement of weir aprons. If the rough stone be very regular, the thickness of the walls will suffice, but otherwise it will be better to increase their thickness by 6 inches, which will add about Rupees 200 to the estimate for the two weirs. A new sluice is to be built to supersede a temporary sluice. The rear cistern is much higher than is necessary, and a better arrangement is to give curved water wings, of the shape of those of the surplus weir rear wings, with a curved retaining wall to join the ends, on which wall water distribution can be readily effected. The new revetment stated to be necessary and estimated to cost Rupees 600 (with sundries) must be treated as a Minor New Work.

3. The estimate has been carefully prepared, and there is good reason for supposing that, when it has been carried out, the tank will be safe and efficient. The average rate $1\frac{1}{3}$ annas for the whole of the earthwork appears to be high, and special attention should be given to this matter, the rates for each part of the work being settled with reference to soil, lead and lift.

4. The sanction may be for—

Repairs	RS.
Minor New Works—	1,250
Revetment	600
Surplus weir, 115 feet	740
„ 80 „	360
Sluice	190
	— 1,890

OOTACAMUND,
14th May 1875.

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

Proceedings of the Madras Government, Public Works Department,
27th May 1875.

No. 521. ORDER THEREON, 27th May 1875, No. 1,474.

IRRIGATION, No. 65.

THE following estimates for the
repair and improvement of the Athee-
poliem Tank, Salem District, are sanc-
tioned:—

Repairs	...	...	...	...	...	...	...	Rs. 1,250
Minor New Works	...	...	...	...	...	...	...	" 1,890

(True Extract.)

Major R.E.,
Offg. Joint Secretary to Government.

To the District Engineer, Salem.
" Chief Engineer for Irrigation.
" Controller of Public Works Accounts.

W-510.

Note by the Chief Engineer for Irrigation

Enclosure 7.

The following estimate has been
submitted for sanction by the District
Engineer Salem.

Repairs and improvements to
the Atheepoliam Tank Rupees 3,140
Ayacut area acres 206
" Assessment Rupees 946
Average Revenue " 863

The tank has not been repaired for
many years. The Sub Collector consi-
ders that 120 Rupees more than the
Ayacut assessment, or about 200
Rupees more than the average reve-
-nue, will be obtainable when the
tank is put into proper order. The
Catchment basin is 6 square miles
and there is a supply channel from
a stream. At present surplus is dis-
-charged at cuts at either end of the band,
and it is intended to supersede these

by

by masonry surplus weirs, 115 and 80 feet long respectively, which will discharge a maximum flood with a depth of 2 feet going over. The weir designs are suitable but it will be desirable probably to place the outer rough stone apron about 18 inches below the surface of the masonry apron. In future the level of the ground for 50 to 100 yards, or more if necessary, on the line of the outfall should be given, as upon this depends the proper arrangement of weir aprons. If the rough stone be very regular, the thickness of the walls will suffice, but otherwise it will be better to increase their thickness by 6 inches, which will add about Rupees 200 to the estimate for the 2 weirs.

A new sluice is to be built to supersede a temporary ^{sluice} ~~sluice~~ is much higher than is necessary, and a better arrangement is to give curved water wings,

of the shape of those of the surplus weir rear wings, with a curved retaining wall to join the ends, on which wall water distribution can be readily effected. The new revetment stated to be necessary and estimated to cost Rupees 600 (with sandries) must be treated as a

minor new work.

The estimate has been carefully prepared and there is good reason for supposing that, when it has been carried out, the tank will be safe and efficient. The average rate $1\frac{1}{3}$ annas for the whole of the earth work appears to be high, and special attention should be given to this matter, the rates for each part of the work being settled with reference to soil, lead and lift.

The

The sanction may be for

Repairs _____ Rs 1250

Minor new Works

Revetment _____ Rs 600

Surplus weir 115 feet ... 440

do 80 " " 360

Sluice _____ Rs 190 1890

Santhosh Das
Chief Engineer Irrigation

Cotacamund
14th May 1895

P. W. 1895-Sept.
No: 3333
From

The Chief Engr.
for Irrigation

Dated 14 May 1895.
Recd 22nd May 1895.

E. 75. No: 510.

Reference is made to estimate
submitted by the Mr.
Ingr. of Salem for putting
into thorough repair the
Athipolam Tank in
the Dist. of Chingleput.

No. 1474. 27-5-95.

12520

To The Secretary to Government
Sd/- Deputt.

P. W. Phelps
Proceedings of the Madras Government

Read the following

From the Chief Engineer }
for Irrigation } (H.S. No 570 d/ 14 May/75
G.O. No: 1474 d/ 27th May/75

The following esti-
-mates for the repair
and improvement of the
Athapoliem Tank, Salem
District, are sanctioned.

Repairs Rupees 1250
Minor new works " 1890

J.D.E. Salem
Chief Engineer
C. W. Phelps

by 14/5/75

S-C d/ 27-6-75
4 9-6-75

✓ 3393 ✓
Govt. of 1873 Madras.
PUBLIC WORKS.

To Mr. M. S. S. S.
Palatu

Dated

Recd.

Encl.

G. O. 47/ May 1873, No. 1174

No. 520-521

At the Police Tank - Salem
Estimates amounting to
Rs: 3,140 for the repair
and improvement of the
sanctioned.