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(3) Initials of the Referencer_____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	585	Press
B.P. No.		Mis.
Dated	2. 3.	1955 18/5

*Original*Not to be folded or roughly handled

12

*Proceedings of the Madras Government, Public Works Department,
2nd March 1875.*

Read the following papers —

No 40 From Captain J PENNYCUICK, R E, District Engineer, North Arcot, to Lieutenant-Colonel J MULLINS, R E, Chief Engineer for Irrigation, dated Vellore, 10th December 1874, No. 2,536

I HAVE the honor to forward, herewith, the estimates noted in the margin for the repair of tanks in the Vellore and Gudiatum taluqs

3 Estimates
2 Sections
1 Plan

Kummasamudrum Tank
Calinjoor tank

2 Kummasamudrum tank, Vellore taluq, estimate Rupees 1,070 This tank breached in 1872, and was repaired immediately afterwards, but breached

again in May last The Range Officer states that he cannot understand how the tank breached, as it stood well during the two previous monsoons, but it appears to me that the breaching is sufficiently accounted for by inadequate provision for escape The tank has at present a calingulah 30 feet long and a loose stone cody of the same length, it is proposed to remove the dam stones of the former so as to convert it into a flush escape, and extend the latter to 105 feet, which will discharge the surplus to be disposed of with a depth of about two feet

Rupees 750 of this estimate may be considered as for Repairs, and Rs 320 as for Minor New Works.

3 Calinjoor Tank, Gudiatum Taluq, estimate Rupees 1,960 for repairs and Rupees 830 for improvements. This tank has a total drainage area of about $3\frac{1}{4}$ square miles, and the surplus to be provided for may be taken at 1,350 cubic feet per second. It is therefore proposed to extend the escape, which at present is a calingulah 45 feet long, to 135 feet, which will discharge the surplus with a depth of two feet, the bund is at present in very bad order, as will be seen from the section, and is to be brought to $4\frac{1}{2}$ feet above full tank level A considerable increase of revenue may be expected if this tank is put in proper order.

4 I request that the estimates, etc, may be returned when no longer required

167.

No 41 *Note by the Chief Engineer for Irrigation*

The following estimates have been received from the District Engineer, District Engineer's No 2,536, dated 10th December 1874 North Arcot —

Kummasamudrum Tank, Rupees 1,070.

Ayacut area	...	Acres 71
" assessment	..	Rs 456
Average revenue	...	.. 403

Repaired in 1872-73 and 1873-74 on an estimate of Rupees 920, of which a part remains unexpended.

The tank breached in 1872 and was repaired immediately afterwards It has two escapes of together 60 feet in

length, and the length required* being 195 feet, the re breaching in May 1874

* 6 square miles, maximum flood discharge 1,856 cubic feet a second

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2nd March 1875

is as remarked by the District Engineer fully accounted for by inadequacy of the means of disposing of surplus. At the same time the efficiency of the bund must be secured and all danger from cracks therein removed. The estimate provides for closing the breach and extending the escapes. Looking to the nature of the work to be done at the escapes the whole of the estimate may be treated as a repair work.

* Vide Range Officer's Report

2. Calinjoor Tank, estimate Rupees 2,790

Ayicut area	Acres 296
.. assessment	Rs 1,511
Average revenue	.. 1,159

The tank is reported to be in bad order and its escape being 45 feet in length against 135 feet required, a full supply is but rarely retained. The repairs are estimated to cost Rupees 1,050 and the additional revetment Rupees 910, together with the extension of the surplus weir, Rupees 830, should be charged to Capital.

3. It may be noticed that the acreage per square mile on the Kummasamudrum Tank is under 12 while under the Calinjoor Tank it would, with the stated area, $3\frac{1}{4}$ square miles, of the catchment basin, be 79 nearly. It seems doubtful whether the area whence the tank supply is received has in the second case been correctly given.

FORT ST. GEORGE,
8th February 1875

(Signed) A deC SCOTT, Major, R.E.,
for Chief Engineer for Irrigation

No 42

ORDER THEREON, 2nd March 1875, No 585

IRRIGATION, No 3

The following estimates are sanctioned —

Repairing the Kummasamudrum Tank	Rs 1,070
Do Calinjoor Tank	.. 1,050
Extending the surplus weir of the tank and also the revetment	.. 1,740

The last item will be a Minor New Work chargeable to Capital

(True Extract)

Colonel, R.E.,

Secretary to Government

To the Chief Engineer for Irrigation
.. District Engineer, North Arcot
.. Controller of Public Works Accounts

Exd S T Austin,
Spare Copies

No 2536,

North Arcot,
DISTRICT ENGINEER'S OFFICE,

Vellore 10 December 1874

From

The DISTRICT ENGINEER,

NORTH ARCOT.

To,

The Chief Engineer,
For Irrigation
Madras.

Subj

Enclosures 6

3. Estimates

2. Sections

1. Plan

Kummasamudrum Tank
Calinjoor Tank

I have the honour to forward here-
with the estimates noted in the margin for
the repair of tanks in the Vellore and Goo-
rattur taluqs.

2. Kummasamudrum tank, Vellore taluq.
Estimate Rupees 1070. This tank breached
in 1872 and was repaired immediately
afterwards, but breached again in May
last. The Range Officer states that he
cannot understand how the tank breached
as it stood well during the two previous
monsoons, but it appears to me that the
breaching is sufficiently accounted for
by inadequate provision for escape. The
tank has at present a Calingulah

30 feet long and a loose stone cody of the same length, it is proposed to remove the dam stones of the former so as to convert it into a flush escape, and extend the latter to 1.5 feet, which will discharge the surplus to be disposed of with a depth of about two feet.

Rupees 750 of this estimate may be considered as for repairs, and Rupees 320 as for minor new works.

3. Calerijoor Tank; Gudattum taluq. Estimate, Rupees 1960 for repairs and Rupees 830 for improvements. This tank has a total drainage area of about $3\frac{3}{4}$ square miles, and the surplus to be provided for may be taken at 1350 cubic feet per second. It is therefore proposed to extend the escape, which at present is a Calingulah 45 feet long, to 135 feet, which will discharge the surplus with a depth of two feet; the bund is at present in very bad order,

as

as will be seen from the section, and is to be brought to $4\frac{1}{2}$ feet above full tank level. A considerable increase of revenue may be expected if this tank is put in proper order.

I request that the estimates for 1915-16 may be returned when no longer required.

Have the honour to be,

Sr.

Your Most Obedt. Servant.

Benjamin? Captain R.C.

District Engineer,

North Arcot

Order by the Chief Engineer for Irrigation

Dist Engrs No. The following estimates have been
2536. 10th Dec received from the District Engineer North
Acot
Tumma underum Tank Pipers 1070
by acut. area. — Acres 71
Assessment Pipers 456
403

Deposited in 1872-73 & 1873-74 on an estimate
of Pipers 940 of which a part remains
unpaid.
The tank breached in 1872 & was re-
paired immediately afterwards. It
is a series of 60 feet in length
the length required being 195 feet. The
maximum flood discharge
1856 & 1857 is as follows.
marked by the District Engineer fully
accounted for by inadequacy of the
means of disposing of surplus. At the
same time the efficiency of the tank
much be secured & all danger from
cracks

No 167 9872/75

No 2549

The District Engineer,

North Acot.

The Chief Engineer

for Irrigation

Dated 10th Dec 1874

Received 11th

No 2536

Enclosure 6.

Silly etc.

Enclosure estimates

for repairing section

between the 10th class

and Goodwin's Valley

17th Dec

Mr 940/75

Chubb

cracks therein removed. The estimate vide Range
provides for closing the breach & Ex. Officer's report
indicating the escapes. Looking to
the nature of the work to be done
at the escapes the whole of the
estimate may be treated as a
repair work.

2. Lalingpor Tank. Estimate Rs 2790
Adjacent area — Area 296
Assessment — Rs 1500
Storage revenue — Rs 1159

The tank is reported to be in bad
order & its escape being 45 feet
in length against 75 feet required,
a full supply is but rarely obtained.
The repairs are estimated to cost
Rs 1050 & the additional cost of
Rs 915 together with the extension of
the timbered weir, Rs 830, should
be charged to Capital.

It may be noticed that the
charge per square mile on the
Kummalamundru tank is under

12, while under the Lalingpor tank
it would with the stated area, $3\frac{3}{4}$
square miles, of the catchment
basin be 79 nearly. It seems
doubtful whether the area whence
the tank supply is received has
in the second case been correctly
given.

Major R.E.
for Chief Engr. for Engrs.

Adel. Scott
Major R.E.

for Chief Engr. for Engrs.

The Secretary to Government
of W. Dept.

Proceedings of the Madras Government
Read the following:-
From the Chinglees } (N. 167 d/8 Feb 1875).
for Irrigation }

585-

The following estimates
are sanctioned -

Repairing the Samudram Tank Rs 1370
do. " Calmijor Tank — " 1050
Extending the surplus weir of the do. & } — 1740
also the westment }
the last item will be a
minor new work charge-
able to Capital.

Ames

Wm.

The Chief Eng^g for Irrigation Works & Cudor.
 District Eng^g of Salt Creek
 Controller of P. H. A.

1927-3-3-71-

P. W. 1875 Delph
 100 167
 The Chief Engineer for
 the Secretary of State
 P. W. 1875

Dates 8' } February
 Received 11 } 1895

Feb. 1. 1871.
Brooklyn.

Submits for reparation
to the same amount
of \$4000.00 - North
West Coast.
No. No. 8852-2-98

940

Sol. of 1875, Madras
PUBLIC WORKS.

The Chief Engineer
Madras

Encl

G. O. D. No. 585

Nos. 40-42

Plan of a road
to the Sanks.
For Arcot & Co.
estimates for the repair
of the Sanks, sanctioned.