Public Works (1896) Department.

G.O., No. 534

Dated 25-6-96

[Despatch Abstract.]

Tpnaqudi tank: The estimate of Rs 3,500 for improving the — in the Trichinopoly Dt., sanctioned, and the recommendation of the Chief Engineer for Irrigation that the two tanks forming the Tpnaqudi be referred to by a single number instead of by two numbers, approved.

[P. W. 26.
1,000—25-10-96.]

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.

Govt. of {1896} Madras.

PUBLIC WORKS.

Dated June, 25th.

Read. *Encl.*

G.O. No. 534 I., 25th June 1896.

JUNE.

Tuvagudy Tank

The estimate of Rs. 3,500 for improving the — in the Trichinopoly division, sanctioned, and the recommendation of the Chief Engineer for Irrigation that the two tanks forming the Tuvagudy be referred to by a single number instead of by two numbers, approved.

From W. HUGHES, Esq., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 29th May 1896, No. 827 T.C.

I have the honour to submit for sanction an estimate amounting to Rs. 3,500, for improving Imperial Nos. 197 and 198 Periyayeri and Chitteri of Tuvagudy in the Trichinopoly taluk.

2. An expenditure of Rs. 495 has been incurred at different periods during the last five years on special works, such as closing breaches and repairing flood damages, &c. All that is required to keep the tank in an efficient condition is to strengthen the bund and to provide proper surplus works, which the accompanying estimate provides for. The sluices are reported to be efficient.

3. The Executive Engineer reports that the site selected for the construction of the weir, 340 feet long, is the best available, and that as the water will flow over waste land, no compensation will have to be paid. As the bund between the two tanks is not now maintained, there seems no objection to classing the tanks as one.

No. 534 I., 25TH JUNE 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper :—

From the Superintending Engineer, VI Circle, dated 29th May 1896, No. 827 T.C.

ENCLOSURE.

REPORT to accompany an estimate for improving the Nos. 197 and 198, Tuvagudy Periyayeri and Chitteri.

	Rs.
Amount of estimate	3,500

This estimate was called for by the Executive Engineer, Trichinopoly division, in his memo. No. 2442 S., dated 29th December 1894. These two tanks are classed as Imperial ones Nos. 197 and 198, but in reality they are one, as water of the two has connection. No repairs have been done in a complete shape for years past, hence the bund gives way during every year in heavy rains. The bund is over-grown with prickly-pears, the removal of which is essential to carry out the repairs to bund.

It has two pucka-built surplus works ; the one on the left was formerly a calingulah with upright stones in the centre, but was some years back converted into a flush escape by lowering the body and still left five uprights to exist. The other on the right is a weir. The effective length of both added together is at present 156 feet exclusive of uprights, and they are capable of discharging 1,469 cubic feet a second. The discharge from the combined basins is 4,704 cubic feet as per calculations shown in the margin, and, in order to get the balance of the discharge, it is proposed not only to remove the five uprights of the left weir by which 4 feet in length is gained, but also to build a weir 340 feet in length in clear at 2,500 feet north of the right weir. Thus the total effective length will then be 500 feet with a head of 2 feet will be capable of discharging 4,708 cubic feet a second. These two masonry works are in need of repairs for which provision has been made in the estimate.

$$D = C \sqrt[3]{M^2} - c \sqrt[3]{m^2}$$
$$= 600 \sqrt[3]{23{\cdot}17^2} - 120 \sqrt[3]{1{\cdot}75^2}$$
$$= 600 \sqrt[3]{537} - 120 \sqrt[3]{3}$$
$$= 600 \times 8{\cdot}128 - 120 \times 1{\cdot}44.$$
$$= 4{,}876{\cdot}8 - 172{\cdot}8.$$
$$= 4{,}704 \text{ cubic feet a second.}$$

Expenditure for the last five years—

	Rs.	A.	P.
1891 to 1892	*Nil.*		
1892 to 1893	do.		
1893 to 1894	267	3	7
1894 to 1895	140	15	8
1895 to 1896	87	0	0
Total Balance ..	495	3	3

There are five masonry sluices ; all are found to be in working order ; still provision in the shape of lump sums has been made to the estimate to meet the sundry repairs that will be found wanting in dry season when they will be examined by opening the bund.

There was found no necessity for disturbing the existing revetment work, and so no provision is made in the estimate now framed ; besides the revetment is not built to its entire length to maintain in order.

The work will be carried at exactly as per dimensions noted in the level plans and sections and in accordance with the instructions laid down in the standard specification.

(Signed) P. R. ALLEN,
Ex. Engr., Trichinopoly Divn.

No. 125 I.

Submitted to Government with a recommendation that Nos. 197 and 198, Periyayeri and Chitteri of Tuvagudy in the Trichinopoly division may, in the circumstances reported, be in future referred to as No. 197, Tuvagudy tank, No. 198 being struck out from the list of Public Works Department works.

(Signed) R. R. E. DRAKE-BROCKMAN, Col., R.E.,
Chief Engineer for Irrigation.

15th June 1896.

ORDER—No. 534 I., dated 25th June 1896.

The following estimate is sanctioned :—

Irrigation.
43. Minor Works and Navigation.
Minor Works for which neither Capital nor Revenue Accounts are kept, P.W.D.
Original Works.
Trichinopoly division.
Improving Tuvagudy tank.

	RS.
Estimate	3,500

2. This sanction is registered as No. 73 I. of 1896–97.

3. The recommendation of the Chief Engineer for Irrigation is approved.

(True Extract.)

Under Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle, with twelve enclosures.
" Examiner, Public Works Accounts.

Exd. Md. Pahilvan.
Spare Copies

A.

No. 534 I, dy 25th June 1896.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 30

READ the following

From Supg Engr, VI Circle, No. 827 T.C. dy 29 May 96.
No 125 I dy 15-6-96.
Submitted to Govt. with a recommendation that Nos. 197 & 198 Periyayeri & Chitteri of Tuvagudy in the Trichinopoly Div may, in the circumstances reported, be in future referred to as No. 197 Tuvagudy tank, No. 198 being struck out from the list of D.P.W. works.

Order thereon

The following estimate is sanc-

tioned:-
Irrigation.
43. Minor tanks Majr.
Minor Works for which
entries Capital wor
Rev. Accts are kept,
P.W.D.
Original Works.
Tuticorin Divn.
Improving Tiruvandy
tank. Estimate Rs 3500

2. This sanction
is registered as No.
73 of 1896-97.

3. The recom-
mendation of the
Chief Engr for Irrigation
is approved.

JJh
15/6
96.

Recd
15/6
96

DESPATCHED
17 JUL. 96

To
The Chief Engr for I
Supdg Engr Madura with 12 encls.
Ex Dupl

P. I. Form No. 1—1,000—27-11-95.

CURRENT No. 5724

Estimate for improving
Tiruvandy tank in
the Tuticorin Divn

Encls 15 (7 plans)
Date: 24.6.96

T.E.D.
25/6

Recd
1/7/6

Registered
25/6

Repair

To accompany an Estimate for Repairing the
Improving
Nos 197 & 198, Tiruvandy, Periyanayagi & Chittery
Veeran & Vettan tanks of Thoraipadi

Amount of Estimate Rs 2450/- 2650

This estimate was called for by the Executive
Engineer Tuticorin Division & his Memo No 2662
29.12.
these two tanks are classed as Perennial ones bu
197 & 198 but in reality they are one as both
of the two has connection. No repairs have be
done in a Complete shape for years past, hence
the bund fines very heavy every year in heavy rains
The bund is one among with prickly pears, the
removal of which is essential to carry out the
repairs & bund.

Enclosures = 9
5 = Detail sections
1 = Masonry plans
1 = Site with proposed works complete
1 = Tracing of village Map
1 = Skeleton plan

D = C ∛M² - c ∛m²
= 600 ∛23.17² - 120 ∛1.75²
= 600 ∛537 - 120 ∛3
= 600 × 8.128 - 120 × 1.44
= 4876.8 - 172.8
= 4704 Cft a Sec:

Expenditure for the last 5 years
1891 to 92 = Nil
92 to 93 = "
93 to 94 = 267-3-7
94 to 95 = 140-15-8
95 to 96 = 87-4-1
Total 16 = 495-3-3

It has two pucka built Sanipus
works, the one on the left was formerly a Cal-
ingalah with upright Stones in the Centre but no
some years back converted into a Sluice Escape
& lowering the bund & Stile left 6 upright Stones
The other on the right is a Weir. The effective
length of both added together is at present
166 ft exclusive of upright & they are Capable
of discharging 1469 Cft a Sec:. The discharge from
the Combined basins is 4704 Cft as per Calcu-
lations shown in the margin & inorder to get the
balance of the discharge it is proposed now &
to remove the 5 uprights of the left Weir & with
4 ft in length is fixed but also to build a Weir
340 ft in length in clear at 2500 ft north of the
right Weir - Thus the total effective length will

are reported to be efficient.

3. The Executive Engineer reports

500—13 11-93.

…en in 500 ft. with a head of 2 ft. will be capable
…discharging 4708 cft a second. There the masonry
…who are in need of repair for which provision
…have been made in the Estimate.

There are 6 Masonry Sluices, all are
found to be in working order. The provision in
the Shape of lump sums have been made in the
Estimate to meet the Sundry repairs that will be
found wanting a day's time when they will be
examined by opening the Bund.

There was found no necessity to
disturbing the existing protective work and to
provision is made in the Estimate and Plan
…cedes the protective work as at built but to retain
…to maintain in order.

The works will be carried out
…ectly as per dimension worked in the Level
…Plan & Sections and in accordance with the
…ifications laid down in the Standard Specification

Executive Engineer
16/12

Rs 5.8
5-7-96

Executive Engineer
Executive Engineer
Executive Engineer
1/2/96

Supdg Engr VI with 12 Enclos.
Ex Engr

Ldg
12/6 BR.

of 185

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

No. 827/7C

Trichinopoly, 29 May 1896.

D 30/-

FROM

W. Hughes Esqr

~~THE~~ SUPERINTENDING ENGINEER,
6th CIRCLE.

TO

THE CHIEF ENGINEER,
for Irrigation.

SIR,

ENCLOSURES. 8.
1. Group map.
1. Survey.
4. Sheets Longl & C. Sections
1 Plan of weirs
1 Estimate with report &c complete.

I have the honor to submit for Oanetion an Estimate amounting to Rs 3,500 for improving Imperial Nos 197 & 198 Periya yeri and Chittery of Irungalur in the Trichinopoly taluq.

2 An expenditure of Rs 495 has been incurred at different periods during the last 5 years on special works such as closing breaches and repairing flood damages &c. All that is required to keep the tanks in an efficient condition is to strengthen the bund and to provide proper surplus works, which the accompanying estimate provides for. The sluices are reported to be efficient.

3. The Executive Engineer reports

that the site selected for the construction of the weir 340 ft long is the best available and that as the water will flow over waste land, no compensation will have to be paid. As the bund between the two tanks is not now maintained there seems no objection to classing the tanks as one.

I have the honor to be
Sir
Your most obedient Servant.

W. Hughes.
Supt & Engr Vizagpt.

D.thy

CHIEF ENGINEER
FOR IRRIGATION.
1- JUN. 96
No. 327C

P. W. D. 6th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,

6th CIRCLE.

TO

THE CHIEF ENGINEER,

for Irrigation.

No. 827C

Dated 29 } May 1896.
Received 30 }

5349

Enclosures. 0.

Imperial Rs. 197-1-9 Peria-
zeri & Chittari of Irrigation
Submits for sanction
an Estimate of Rs. 3500 for
improvements ——

Occ. 1
5326/26

29/5