

G.O., No. 1048

DATED 11 Dec '88

[Despatch Abstract.]

Kala Kathur Tank in the Chingle

The estimate of Rs 4850 for m
The masonry works of the
sanctioned.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers:—

From Colonel A. W. SMART, R.E., Superintending Engineer, V Circle, to the Chief Engineer for Irrigation, dated Chepak, 8th August 1899, No. 293 E.I.

I have the honour to submit, for sanction, the enclosed revised estimate of Rupees 4,730 with comparative statement for improving the masonry works of the Kalakathur tank in Conjeeveram taluk, Chingleput division.

The original estimate sanctioned by Colonel Rawson, R.E., in Circle Register No. 131 of 1896-97 for Rs. 2,490 has not yet been taken in hand for execution, and as the design for the work had to be altered, a revised estimate for it is now necessary.

ENCLOSURE.

REPORT to accompany the estimate for repairing the Kalakathur tank, M.I.W., No. 478 and supply channel, Conjeeveram taluk, P.W.D.

Amount of estimate RS. 4,730

Tank.—The tank is situated 20 miles to the north-west of Chingleput in the Conjeeveram taluk and 4 miles south of Conjeeveram and is an isolated one supplied by a river channel from the Palar river.

2. **Bund.**—The bund is very thickly covered with prickly-pear and is low in places. There is a breach to the left of the calingulah. The bund requires raising to proper sections.

3. **Turfing.**—The slopes of the new earthwork should also be turfed.

4. A length of 1,890 feet of the bund near the centre of tank is rivetted, but the revetment is not in good order. It is necessary to repack the old revetment and to raise it with new stone to 1 foot above M.W.L.

5. **Surplus.**—The tank is provided with a calingulah 60 feet long; its wings and body wall are injured so much so that it could not be repaired. It is therefore proposed to re-build as per plan of weir in accordance with the design of weir for Perumbakam large tank, modified by the Superintending Engineer in his No. 435, dated 26th July 1898.

6. **Sluices.**—There are five sluices in the tank—No. 1 sluice is partly in ruins, and the re-construction of its head is necessary; sluices Nos. 2 and 4 are to be provided with new heads, as the front portions of these sluices are out of repair; sluice No. 3 requires to be re-constructed as it is beyond repair; sluice No. 5 requires to be examined and repaired slightly for which a lump sum is allowed in the repairs estimate.

7. **Supply Channel.**—The supply channel is a little more than 3 miles long and flows throughout the whole of its length through fields, which form its banks on each side. The average depth of the channel is 4 feet and its fall is $3\frac{1}{2}$ feet per mile. The tank receives a good supply every year through the channel, and in floods the fields on each side are submerged to a depth of 2 to 3 feet.

It is not proposed to do anything to the channel beyond removing prickly-pear and casing the slopes at the head where the banks are high and the soil sandy for a length of 1,100 feet at which place the channel is crossed by Kurimalay river channel by a masonry aqueduct.

The villagers experience some difficulty in clearing the channel at the head and the slopes soon slip again into the channel, hence it is necessary to case the slopes to proper sections. The channel does not require any further repairs.

8. Of the total area irrigated, amounting on the average to 1,377 acres, less than 500 acres are under the tank, the rest being above the tank and irrigated direct from the supply channel. Estimates for the above necessary repairs and improvements have been sanctioned for Rs. 2,620 and Rs. 2,490, respectively, by the Superintending Engineer, in Register Nos. 130, 131 of 1896-97, but the work is not yet taken in hand. The latter estimate, Rs. 2,490, for original works provides for improvements to masonry works, such as re-constructing the fallen right wing and a portion of body wall, &c., of the existing calingulah mentioned in paragraph 5 above, but Mr. Paul proposed to revise the plan of weir in accordance with the design of weir for Perumbakam large tank,

modified by the Superintending Engineer in his No. 435, dated 26th July 1898. As the work is not yet taken up in hand for execution, the estimate sanctioned by the Superintending Engineer in his No. 131 of 1896-97 may be entirely superseded by the accompanying estimate providing for a better design of weir.

The whole work will be done as per standard specification.

(Signed) J. LALOR, Captain,
Offg. Ex. Engr., Chingleput Divn.

To the Superintending Engineer, V Circle, dated 17th August 1899, No. V/52 C.N.
From the " " " 23rd October " " 370 E.I.

No. 233 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, V Circle, submits an estimate of Rs. 4,730 for improving the masonry works of the Kalakathur tank in the Chingleput district, a repair estimate amounting to Rs. 2,620 having been sanctioned by the Superintending Engineer himself. Subject to the following remarks the estimate is recommended for sanction.

2. Attention is directed to the remark on the weir plan. The height of the water cushion wall should be reduced from 3' to 1' 9"; as the proposed weir is to take the place of an existing calingulah, the Superintending Engineer should see that it is conclusively ascertained that the building of the weir crest at the designed level will not raise the F.T.L.

3. As the pressure on the 10" and 9" plugs proposed for the new sluice No. 3 and new head to No. 4 is too great for easy working, it will be better to provide screw shutters.

4. The estimate has been altered in this office with reference to the above remarks and amounts to Rs. 4,850.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

28th November 1899.

ORDER—No. 1048 I., dated 11th December 1899.

The following estimate is sanctioned:—

Provincial.
Irrigation.

43. Minor Works and Navigation.

Class IV—Other Minor Works for which neither Capital nor Revenue nor individual accounts are kept.

(b) In charge of the Public Works Department.
Chingleput Division.
Original Works.

Improving the masonry works of the Kalakathur tank (No. 478 of the list of Minor Works, Public Works Department, appended to G.O., No. 407 I., dated 6th July 1897).

RS.

Estimate ... 4,850

2. This sanction is registered as No. 93 I. of 1899-1900.

3. The attention of the Superintending Engineer, V Circle, is drawn to the remarks of the Chief Engineer for Irrigation in the foregoing note.

(True Extract.)

Under Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
Superintending Engineer, V Circle, with eight enclosures.

" Examiner, Public Works Accounts.

Exd. A. Rungasawmy Aiyangar.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following

Note recommending for sanction estimate
of Rs 4850 for improving the masonry works
of the Kalakathur Tank -

From the Superintending Engineer, V Circle, No. 293 E.I. dated 8th August 1899.

To the Superintending Engineer, V Circle, No. 52 G.N. dated 17th August 1899.

From the Superintending Engineer, V Circle, No. 370 E.I., dated 23rd October 1899.

No 233 Id. 18-4-99

Note by the Chief Engineer
for Irrigation.

The Superintending Engineer, V
Circle submits an estimate of ---
Rs 4750 for improving the masonry

works of the Kalakathur Tank in the
Chingleput District, a repair esti-
mate amounting to Rs 2620 having ---
been sanctioned by the Superintend-
ing Engineer himself. Subject to ---
the following remarks the estimate
is recommended for sanction.

2. Attention is directed to the
remark on the weir plan. The height
of the water cushion wall should be
reduced from 3 feet to 1'9" as the
proposed weir is to take the place
of an existing calingulah, the ---
Superintending Engineer should see
that

From.

L.H. 1/12/99

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LCU
1/12/99

that it is conclusively ascertained

that the building of the weir

Cost
at the designed level will

not raise the F. T. L.

3. As the pressure on the 10" and 9"

plugs proposed for the new sluice

No. 3 and new head to No. 4 is too

great for easy working it will be

better to provide screw shutters.

4. The estimate has been altered in

this office with reference to the

above remarks and amounts to Rs 4,150.

Order thereon.

No: 1048 D 7/11-12-99

The following estimate is sanctioned:-

Provincial.

Irrigation.

43 Minor Works & Navigation.

Class IV - Other minor works for

which neither capital nor Revenue

nor individual accounts are kept

(b) in charge of the P.W. Department.

Chingleput Division.

Original Works.

Improving the masonry works of the

Kalakathur Tank (No. 478 of the list

of minor works P.W.D. appended to

G.O. No. 407 I, dated 6th July 1897).

Estimate Rs. 4,150.

2. This sanction is registered as

No. 93 I of 1899-1900.

3. The attention of the Superin-
tending Engineer, 5th Circle, is

drawn to the remarks of the Chief

Engineer for Irrigation in the --

foregoing note.

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JK

28/11/99

HH 28 11 99

To

The Chief Engineer for Irrigation ✓

,, Supr: Engineer, V Circle. *with 8 enclosures* ✓

,, Examiner P.W. Accounts. ✓

28/11/99

D 21/12/99

Public Works (1899) Department.

CURRENT No. 9915

From
The Chief Engineer for Irrigation

Order

No. 233 I.

Dated 28-11-99.

Received + } 6-12-99
Registered }
Enclosures Plans 4 } Total 12
Returns 8 }
Spare copies.

SUBJECT.

Kalakathur Tank in the ---
Chingleput District. Estimate of
Rs 4,850 for improving the masonry
works of the --- Recommends, subject
to certain remarks the --- for sanc-
tion.

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CS

Re Submitting for
Sanction the plans and
Estimate of Rs 4730 Rs for
improving the Masonry works
of

Open.

31/10/59

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Chepāk, $\frac{23}{26}$ October 1899.

No. 37081.

BACK PAPERS.

FURTHER PAPERS.

No.	Date.
152 EN -	14 - 8 - 99
182 CN	28 - 8 - 99

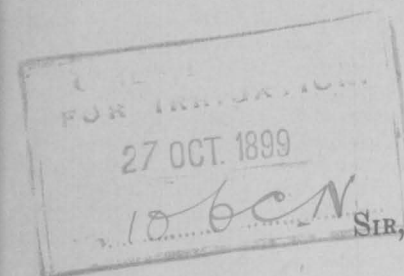
No.	Date.
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From

Colonel A.W. Smart R.E.
SUPERINTENDING ENGINEER,

V CIRCLE.

To

THE Chief Engineer
for Irrigation.

Enclosures.

- 1 Plan of weir
- 2 - do - sluice
- 1 Level sheet
- 1 Report
- 1 Hydraulic statement
- 1 General abstract estimate
- 1 Detailed do

With reference to your Memorandum No. $\frac{V}{52}$ CN. dated 14 August 1899, I have the honour to resubmit for sanction the enclosed plans and estimate of Rs 4,730/- with report and hydraulic statement, for improving the masonry works of the Kalakattoor tank in Conjeevaram taluk, Chingleput Division.

I have the honour to be,
Sir,
your most obedt. servant

Arthur
Colonel R.E.

Supg. Engineer, 5 Cords

Public Works (1897) Department.

CURRENT No. 82 C.N

10489

From *Ho Supp Engineer*
to *Chief*

Order No 52CN 4. 17-8-99

No. 293 & 2.

Dated 8/10 August 1899.

Received 11-8-99

Registered

Enclosures 4 { 1 plan
+ 3 estimates

Spare copies

SUBJECT.

Kalabhattoor Tank

Submitting for sanction a revised estimate of Rs. 1730 for improving the masonry works of

DE J

The est. for Kalabhattoor Tank
received with the S.S. No 293 & 2
must be repeated as an original
est. (that sanctioned by the S.E.
having been entirely superseded)
and should be accompanied by
the usual plans, report,
hydraulic statement &c. that
requested that there may be
sent furnished

14.5.99 M

[Signature]
17/8/99
17/8/99

P.W. 12/99
12/99

10/8/99

FURTHER PAPERS.

SUPERINTENDING ENGINEER'S OFFICE,

V Circle, Madras,

Chepâk, $\frac{8}{10}$ August 1899.

No. 293 & 2.

From

Colonel A. W. Smart & Co.
SUPERINTENDING ENGINEER,

V CIRCLE.

To

THE Chief Engineer
for Irrigation.

SIR,

Enclosures. 4

Comparative Statement
Plan
Detailed Estimate
Abstract — do —
74

I have the honour to submit for sanction the enclosed revised estimate of Rs 4730/- with comparative statement for improving the masonry works of the Kalakattoor tank in Conjeevaram taluk, Chingleput Division.

The original estimate sanctioned by Colonel Rawson & Co in circle registers number 131 of 1896-97 for Rs 2490/- has not yet been taken in hand for execution, and as the design for the work had to be altered, a revised estimate for it is now necessary.

I have the honour to be,
 Sir,
 your most obed^t servant

Arthur
Colonel R. I.
Supg. Engineer, 5th Corps

22
Report to accompany the Estimate for
repairing the Dilakattu tank, ^{M. S. D.}
No. 478 and Supply Channel, ^{P. W. D.} Coimbaram
Taluk

Amount of Estimate Rs. 4730.

Tank.

(1) The tank is situated 20 miles to
the North west of Chingapur
in the Coimbaram Taluk and is an isolated
South of Coimbaram and is an isolated
one supplied by a River Channel
from the Palas River.

Bound. (2) The bund is very thickly covered
with prickly-pear and is low in
places. There is a breach to the left
of the Calingulah. The bund requires
raising to proper sections.

Turfing (3) The slopes of the new earth work
should also be turfed.

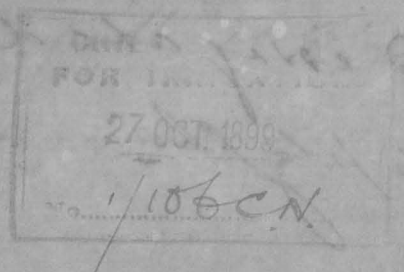
(4) A length of 1890 feet of the bund
near the centre of tank is rivetted,
but the rivetment is not in good
order. It is necessary to repack
the old rivetment and to raise it
with new stone to 1 foot above
M. W. L.

Surplus. (5) The tank is provided with a
Calingulah 60 feet long, its wings

P.W.D.
1991/99

Estimate for the above necessary
Repairs and Improvements have been
Sanctioned for Rs 2620 & Rs 2490 respec-
tively, by the Superintending Engineer
in Suprs No 130, 131 of 1896-97, but the work
is not yet taken in hand. The latter
Estimate Rs 2490 for original works
provides for improvements ^{to masonry works} such as
reconstructing the fallen Right
wing & a portion of body wall & of the
buttress ^{mentioned in para 5 above.}
but Mr Paul proposed to reverse
the plan of Weir in accordance
with the design of weir for Porumb-
akam Large tank, modified by
the Superintending Engineer
in his No 435 of 26.7.98. As the
work is not yet taken up in hand
for execution, the Estimate sanctioned
by the Supr Engineer in his No 130
1897-
1897 may be entirely superseded
by the accompanying Estimate
providing for a better design of Weir.

The whole work will be done
as per standard Specification.



J. Paul Captain
Offg. Executive Engineer
2.10.99 Chingapuram

P.W. 99/15/99