

- (1) Number of pages _____
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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No. <i>3427</i>	Press <i>Original</i>
B.P. No.	Mrs.
Dated <i>15-12</i>	195 <i>1876</i>

Not to be folded or roughly handled

Read the following :—

No. 283 W.

No. 368. *Note by the Chief Engineer for Irrigation.*

THE Officiating District Engineer, Tinnevely, forwards, with his letters No. 54, dated 27th June 1876, and No. 23, dated 26th April 1875, marginally noted, an estimate in connection with the Kangaikondan tank and channel situated in the Tinnevely Taluq, Tinnevely Range.

2. The nature of the work proposed for execution and the heads of account to which it is chargeable are as follow :—

ORDINARY AGRICULTURAL
Repairs.

Repairing the tank and channel, providing shutters to discharging sluice, reconstructing one and repairing six irrigation sluices	...	...	...	Rs.
Reconstructing and extending the surplus weir	...	...	...	925
Reconstructing a portion of weir in supply channel	...	...	...	835
Constructing a dam across the surplus channel	...	...	...	74
			Total	8,670
Deduct amount to be defrayed by villagers	...	...	...	1,000
			Amount chargeable to Government	7,670

3. The following particulars of this tank are recorded :—

Ayacut area	...	...	...	...	...	...	...	Acres	991
Assessment	...	...	...	...	...	...	...	Rupees	4,627
Average revenue	...	...	...	...	...	...	...	"	2,968
Highest do.	...	...	...	...	...	...	...	"	2,968
Expenditure during the previous four years	...	...	...	...	...	...	...	"	872

The area of the catchment basin is 4.5 square miles; the maximum flood supply is calculated at 1,224 cubic feet per second, for discharging which as surplus there is a weir 200 feet in length, but much dilapidated; it is proposed to reconstruct and extend it so as to make a total length of 255 feet available for the surplus discharge. The estimate also provides for repairing the tank and supply-channel banks, providing wooden shutters to the discharging sluice to the channel, reconstructing irrigation sluice No. 1 in the tank bund, rebuilding front wall of sluice No. 2, rebuilding rear wall and cistern of sluice No. 3, rebuilding front and rear cisterns of sluice No. 4, constructing front and rear walls and rear cisterns of sluice No. 5, and trifling repairs to sluices Nos. 6 and 7, also reconstructing a portion of the surplus weir in the supply-channel, and constructing a regulating dam across the branch from the surplus channel of this tank which feeds the Alangaraperi tank.

The details of many of the masonry works, &c., constructions and alterations need revision, as noted on the plans.

The Kangaikondan tank is supplied by means of an anicut across the Chittaur river and a channel leading therefrom, the head of which has no regulator. The tail of the channel near its entrance into the tank appears to be provided with a discharging sluice, and there is also a surplus escape in the channel to which allusion has been made in the preceding paragraph.

The expenditure now proposed, together with that incurred within the preceding four years, amounts to a sum of Rupees 9,542, equivalent to 3½th years' average revenue. It is intended to raise the water-level of the full tank 1 foot so as to secure a larger supply, and it is stated that this will involve no compensation for submerged land, because that which forms the margin of the water spread is waste, and, owing to its steepness, but a small area will be submerged.

It is necessary that these statements should be verified and officially confirmed by the Revenue officers, and that their judgments should be based on a plan showing the contour of the water margin at full tank level and at flood level, as well as the boundary of the nearest cultivated or puttah land.

It has not seldom happened that estimates have been vitiated by imperfect inquiry into the subject of land compensation for extensions of irrigation works, and it is necessary that the data on which provision is made, or, as in this case, omitted, should be furnished by responsible officers. The estimate, moreover, should be countersigned by the Collector before any work is commenced.

The main portion of the outlay is for repairs to the tank bund, and the heaviest item is for rebuilding the revetment. It is not stated what is its present condition, or to what cause its failure is attributable. It is now built in horizontal courses stepped at each course, and it is proposed to relay it in the same manner but with a stone and gravel backing.

The contribution of Rupees 1,000 by the villagers should be lodged before the work is commenced.

The estimate is recommended for sanction.

FORT ST. GEORGE,
5th December 1876.

(Signed)

A. DEC. SCOTT, Major, R.E.,
Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

No. 369.

ORDER THEREON, 15th December 1876, No. 3,427.

IRRIGATION, No. 32-A.
Account.

THE following estimate from the Tinnevelly Range, forwarded by the Officiating District Engineer, Tinnevelly, is sanctioned:—

Kangaikondan Tank and Channel.

IRRIGATION.

Group or Project.	Fund.	Class.	Name of Tank, Canal, or Channel.	Particulars of Work.	Amount.
	Ordinary Agricultural.	Repairs.	Kangaikondan tank and Channel.	Repairing the tank and channel ..	Rs. 6,836
				Reconstructing the surplus weir ..	925
				Weir in supply channel ..	835
				Dam to surplus channel ..	74
				Total ..	8,670
				Deduct amount to be defrayed by villagers ..	1,000
				Amount chargeable to Government ..	7,670

To be carried out by the Public Works Department Officer in charge Tinnevelly Range.

2. This sanction has been registered as No. 209 I. of 1876-77.

(True Extract.)

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

To the District Engineer, Tinnevelly.

„ Collector of do.
„ Chief Engineer for Irrigation.
„ Examiner of Public Works Accounts.
„ Revenue Department.

Exd. S. T. Austin.

Spare Copies

OFFICE OF THE CHIEF ENGINEER
FOR IRRIGATION,Port St. George 5th December 1876.

No. 283-4

Note by Chief Engineer for Irrigation.

Encls 1/6

No. 54.

Dated 27th

June 1876

As 23

Date 26th

April 1875

THE Officiating District Engineer, Tinnevely
forwards, with his letter marginally noted, an Estimate, in connection
with the Mangaicondan Tank & Channel Tank situated in the
Tinnevely Taluk, Tinnevely Range.

2. The nature of the work proposed for execution and the heads of account
to which it is chargeable are as follow:—

Ordinary Agricultural
Repairs.

Repairing the tank & channel, providing shutters
to discharging sluice, reconstructing one and
repairing six irrigation sluices. — 6836

Reconstructing and extending the surplus weir. 925

Reconstructing a portion of weir in supply
channel. — 835

Constructing a dam across the surplus
channel. — 74

Total Rupees 8670

Deduct amount to be defrayed by Villagers. — 1000

Amount chargeable to Government Rs 7670

3. The following particulars of this Tank are recorded —

Ayacut area. 991 Acres

Assessment. 1,627 Rupees

Average revenue. 2968 Rupees

Highest do. 2968 Rupees

Expenditure during the previous four years. 872 Rupees

The area of the catchment basin is $1\frac{1}{2}$ square miles; the maximum flood supply is calculated at 1224 cubic feet per second for discharging which, as surplus there is a weir 200 feet in length, but much dilapidated it is proposed to reconstruct and extend it so as to make a total length of 255 feet available for the surplus discharge. The estimate also provides for repairing the tank and supply channel banks providing wooden shutters to the discharging sluice to the Channel reconstructing Irrigation sluice No. 1 in the tank bund, rebuilding front wall of sluice No. 2, rebuilding rear wall and cistern of sluice No. 3 rebuilding front and rear cisterns of sluice No. 4, constructing front and rear walls and rear cisterns of sluice No. 5 and trifling repairs to sluice No. 6 & 7, also reconstructing a portion of the surplus weir in the supply channel and constructing a regulating Dam across the branch from the surplus channel of this tank which feeds the Rangachari tank.

The details of many of the masonry works & constructions and alterations need revision as noted on the plans. The Rangachari tank is supplied by means of an ancient across the Chittaur river & a channel leading therefrom, the head of which has

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has no Regulator. The tail of the channel near its entrance into the tank appears to be provided with a discharging sluice and there is also a surplus escape in the channel to which allusion has been made in the preceding page.

The expenditure now proposed, together with that incurred within the preceding four years amounts to a sum of Rs 9542, equivalent to 3½ years Average Revenue. It is intended to raise the water level of the full tank one foot so as to secure a larger supply and it is stated that this will involve no compensation for submerged land because that which forms the margin of the water spread is waste, and owing to its steepness, but a small area will be submerged.

It is necessary that these statements should be verified and officially confirmed by the Revenue officers and that their judgment should be based on a plan showing the contour of the water margin at full tank level and at flood level as well as the boundary of the nearest cultivated or patta land.

It has not seldom happened that estimates have been vitiated by imperfect inquiry into the subject of land compensation for extensions of Irrigation works & it is necessary that the data on which provision is made or as in this case omitted should be furnished by responsible officers. The estimate moreover should be countersigned by the Collector before any work is commenced.

The main portion of the outlay is for repairs to

to the tank head and the heaviest item is for
rebuilding the revetment. It is not stated what
is its present condition or to what cause its
failure is attributable. It is now built in
horizontal courses stepped at each course
and it is proposed to relay it in the same
manner but with a stone squared backing.

The contribution of Rs 1000 by the villagers
should be lodged before the work is commenced.

The estimate ~~is recommended~~ ~~is recommended~~
~~is recommended~~ is recommended for
sanction.

W. H. Scott

Major R.E.

Dy Chief Engr. for Irrigation
for Chief Engineer for Irr.

To

The Secretary to Government
P. W. Department

C. H. J.

N₆ 368

2. This sanction has been registered as No. 109. I. of 181. 11.

8934

Gobt. of 1876 Madras.

PUBLIC WORKS.

To *the H. E. Linnemally*

Dated

1876

Issued

Recd.

Encl.

G. O. *15th Dec* 1876, No. *3427*

Nos. 368 & 60

*Compendium - outle and
Channel, Linnemally*

*Schedule No. 7570 on
Certain repairs to be
sanctioned.*

Exd. in Reg.