

(1) Number of pages 2

(2) Date of repair _____

(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	31	Press.
B.P. No.		Mis.
Dated		197

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Archives I—5,806—24-2-78.

82

Read the fo

No. 2

No. 182.

Note by the Chief Eng

for Irrigation.

The District Engineer, Kurnool, forwa

No. 42, dated 28th September 1876.

with his letter marginally noted, an
note in connection with the Machina-
li tank situated in the Sirwel taluq,
lial range :—

2. THE nature of the work propose
which it is chargeable are as follow :—

execution and the heads of account to

ORDINARY Ac
Re

Repairing bund, Irrigation sluice, and
breach in the latter

channel; also closing a
... .. 1,300

Total ... 1,300

3. The following particulars of this

are recorded :—

Ayacut area
Assessment
Average revenue... ..
Highest do.
Expenditure during the previous for

Acres 72
Rupees 383
" 316
" 410
Nil.

The area of the catchment basin is 1
calculated at 4,286.25 cubic feet per second
three outlets, one a masonry weir 43 feet
natural escapes, that on the north side is 10
feet in length, the former is 1.5 feet and
masonry weir. The total length available f

o miles; the maximum flood supply is
discharging which as surplus there are
gth, which is in good order, and two
in length, and that at the east is 300
after 1.0 foot above the crest of the
e surplus discharge is 443 feet.

The bund of this tank is low and the
bund requires raising throughout, varying
may be 3 feet above M.W.L. There is br
rear cistern of which are out of order, and

slope is eroded in many places. The
2 feet to 3.5 feet, so that the top
e sluice for this tank, the head and
e repair.

The tank is channel-fed. The surplus
and Valgalapully Gungammah tanks are
supply channel which, during the heavy
turned. The channel has a masonry surplus
north bank, and this is in good order.

of the Kondamayapally, Chinnarajoo,
ed to it by means of the Somavaga
f 1871, was breached, and its course
year 98 feet in length constructed in its

The estimate provides for raising and
sluice, closing the breach in the supply ch
it is recommended for sanction, but the D
following matters :—

raising the bund, repairing the Irrigation
icl, and widening the channel itself, and
et Engineer should give attention to the

1st.—The bund is shown as ending v
the ends will require some protection.

vertical faces at the natural escapes, and

2nd.—The natural escapes are far froi

vel, and there is no item for levelling.

3rd.—The calculation of discharging
they were all at one level—Vide end. of sp

acity of the escapes has been made as if
location. The calculated flood discharge

Proceedings of the Madras Government, Public Works Department,
9th December 1876. No. 3,326.

is probably excessive. Were it right, comparison between its quantity 4,286 cubic feet a second and the discharge from weirs would show the latter to be inadequate instead of more than sufficient, viz., masonry weir

43 29 5 = 408.5
300 22 77 = 831.0
100 0 93 = 98.0

1,327.5

or less than a third of the supposed requirement. The tank has not been breached, and therefore it seems likely that it does not receive anything approaching to the quantity of water calculated, while the area of the irrigation is very small compared with the drainage basin. The ground at the natural escapes can be lowered so as to afford the waterway which may be found necessary.

4th.—The section of the ground should be continued to above maximum water.

FORT ST. GEORGE,

(Signed) JOHN MULLINS, Lt.-Col., R.E.,

Chief Engineer for Irrigation.

5th December 1876.

To the Secretary to Government, Public Works Department.

No. 183. ORDER THEREON, 9th December 1876, No. 3,326.

IRRIGATION, No. 19-B.

Account.

THE following estimate from the Nundial range, forwarded by the District Engineer, Kurnool, is sanctioned :—

MACHINAPALLI TANK.

IRRIGATION.

Group or Project.—Nil. Fund.—Ordinary Agricultural. Class.—Repairs. Name of Tank, Canal, or Channel.—Machinapalli Tank. Particulars of Work.—Repairing bund, Irrigation sluice and supply channel; also closing a breach in the latter. Amount.—Rupees 1,300. To be carried out by the Public Works Department. Officer in charge Nundial Range. Total Rs. 1,300.

2. This sanction has been registered as No. 205 I. of 1876-77.

(True Extract.)

Major-General, R.E.,

Secretary to Government.

To the District Engineer, Kurnool.

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

Exd. E. C. Shunkar.

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Comm. to the
Board of Revenue

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