(1) Number of pages 4.

(2) Date of repair 4. 5. 82.

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. / B.P. No.	5800.	Press. / Mis.
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Archives I—10,006—19-4-79.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

12th September 1877, No. 316 I.

Irrigation.

Account.

Read the following paper;—

No. 164 I.

No. 71. *Note by the Chief Engineer for Irrigation.*

No. 60, dated 4th July 1877.

THE following estimates from the Nandigama Range are forwarded by the Superintending Engineer, Kistna, with his letter marginally noted:—

Taluq.	Village.	Work.	Amount.
			RS.
Nandigama	Kunchacacherla	V. tank	466
Bezwada	Kondoor	V. „	115
		Total ...	581

2. The financial and hydraulic details of the Irrigation works concerned are exhibited in the following statement:—

I.—Financial Details.

Name of Work.	Ayacut Area.	Assessment.	Average Revenue for five Years.	Highest Revenue for five Years.	OUTLAY. During the previous four Years.	OUTLAY. Proposed. Ordinary Agricultural, Irrigation. Original Works.	OUTLAY. Proposed. Ordinary Agricultural, Irrigation. Repairs.	OUTLAY. Proposed. Ordinary Agricultural, Irrigation. Average Annual Proportion of Charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PER CENT. RS.
Kunchacacherla tank	139	513	506	Not stated	860	...	466	52·4
Kondoor tank	62	223	166	223	115	...	115	27·7
Total ...	201	736	672	...	975	...	581	46·3

II.—Hydraulic Details.

Name of Work.	Catchment Basin, Area.	Maximum Supply per Catchment Second.	Maximum Supply per Channel Second.	Length of Escape. Total.	Length of Escape. Effective.	Assumed Height of Bund. Above F.T.L.	Assumed Height of Bund. Above M.T.L.	Surplus discharged at M.T.L. per Second.	Table above.
	Sq. M.	C. Ft.	C. F.	Ft.	Ft.	Ft.	Ft.	C. Ft.	
Kunchacacherla tank ..	0·208	197·4	...	E 360 E 360	360 360	7·10 4·47	4·50 1·87	4142·1 4142·1	No. Not stated.
Kondoor tank	0·050	54·3	...	E 100 E 100	100 100	5·00 3·00	3·00 1·00	753·8 753·8	Do.

NOTE.—The proposed dimensions of escapes and heights of bund are printed in large type. The existing dimensions in small type. The following abbreviations are used:—C.—Calingulah with dam stones. W.—Weir with overfall. E.—Escape at ground level. B.—Bund of tank. V.—Village.

3. The following is a summary of the work proposed to be carried out in each case:—

Kunchacacherla Tank.—The bund of this tank is in a very bad state, and in some places the water is likely to overflow it.

In the year 1872 a portion of the bund was washed away by sudden floods and heavy rains, and for restoring the same an outlay of Rupees 500 was incurred.

The estimate provides for raising and repairing the bund, repacking a part of the revetment; also repairing the banks of the supply channel and clearing silt from its bed.

In the report the existing means of disposing of surplus are entered as "nil," but this is supposed to be a mistake, as the "length proposed in addition" is also entered as "nil," and there is no provision for any escape in the estimate, whilst it is stated there will be a natural escape 360 feet long.

The estimate is recommended for sanction. It is supposed that the tank is isolated, though this has not been explicitly stated. The work has been put in hand in anticipation of sanction.

Kondoor Tank.—The bund of this tank and the sluice are in very bad state; an outlay of Rupees 115 was expended during the year 1874-75 for repairing the breach, &c.

The estimate provides for raising and repairing the bund; also repairing the irrigation sluice.

It is recommended for sanction,

It is noticed that there will be a "natural escape 100 feet long" 5 feet below the top of the bund and 2 feet below M.W.L., the "nil" entries in the report as to the existing means of surplusing are probably wrong as in the case of the tank just noticed.

FORT ST. GEORGE,
3rd September 1877.

(Signed) G. T. WALCH,
Ag. Dy. Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

To the Joint Secretary to Government, Public Works Department, Irrigation Branch.

No. 72. ORDER THEREON, 12th September 1877, No. 316 I.

No. 164 I, dated 3rd September 1877.

THE following estimates for Irrigation works in the Nandigama Range, Kistna District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted are sanctioned:—

Irrigation.

Name of Tank.	Provision of Estimate.	Fund, Ordinary Agricultural, Main Head Irrigation.	Amount.	Irrigation Register No.
		CLASS.	RS.	
Kunchacacherla tank.	Repairing tank and channel banks and clearing silt from the latter.	Repairs	466	173 I.
Kondoor tank ...	Repairing bund and sluice ...	Do.	115	174 I.

2. These sanctions are registered as shown above.

(True Extract)

Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, Kistna.
" Collector of Kistna.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.

Fwd. E. C. Shunker.
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No 4155

IRRIGATION
ACCOUNT

Cabt. of 1877 Order.

PUBLIC WORKS.

To

SUPERINTENDING ENGINEER

KISTNA

Dated 25 September

No. 71-72.

No 5800
Commr Cotts
Board of Revenue
26: Sept 77

42 Lds 8 Rs Revenue (7-9-1)