

- (1) Number of pages _____
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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. 1045	(2)	Press
B.P. No.		~~Mis.~~
Dated 26-4-	1876	

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
26th April 1876.

Read the following :—

No. 33 W.

No. 373. *Note by the Chief Engineer for Irrigation.*

THE following estimates from the Vellore Range are forwarded by the District Engineer, North Arcot, with his letter No. 4,075, dated 2nd March 1876. imaginally noted :—

Taluq.	Village.	Work.	Amount.	District, Estimate No.
...	...	Pennaghur Tank ...	Rs. 3,830	29 & 30 N. A.
Do. ...	...	Malepalam Tank ...	3,190	29 N. A.
Do. ...	...	Kalpathoor large Tank ...	2,660	26 & 27 N. A.

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

I.—Financial Details.

Name of Work.	Aycent Area.	Assessment.	Average Revenue for 5 years.	Highest Revenue for 5 years.	Expenditure during previous 4 years.	AMOUNT OF ESTIMATE.		
						Capital.	Revenue.	Total.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Pennaghur Tank ...	263	1,933	1,466	...	1,800	580	3,250	3,830
Malepalam Tank ...	69	565	878	...	...	...	3,190	3,190
Kalpathoor large Tank ...	168	743	588	...	920	...	2,660	2,660

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	MAXIMUM SUPPLY.		LENGTH OF ESCAPE.		AVERAGE HEIGHT OF BUND.		Surplus discharged at M.T.L. per Sec.	Tanks above.
		Catchment per Second.	Channels per Second.	Total.	Effective.	Above F.T.L.	Above M.T.L.		
	SQ. M.	C. FT.	C. FT.	FT.	FT.	FT.	FT.	C. FT.	No.
Pennaghur Tank ...	3	1,170	...	W 63	63	3.69	.69	0.0	1
Malepalam Tank ...	6	1,857	...	W 132	132	5.5	2.5	1,099.8	1
Kalpathoor large Tank ...	10	2,611	...	W 141	141	5.5	2.5	2,304.4	...

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.—Canal with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank.

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

*Proceedings of the Madras Government, Public Works Department,
26th April 1876.*

Pennaghur Tank.—Raising and repairing the bund, closing breaches, and revetting the bund with new stones, and constructing a masonry weir.

Malepalam Tank.—Raising and repairing the bund, closing the breaches, and grass planting, improving the existing weirs and reconstructing an irrigation sluice.

Kalpathoor large Tank.—Raising and repairing the bund, and planting grass, improving the existing weir, and constructing a masonry weir.

4. The following statement shows the proposed distribution of the outlay recommended for sanction to the debit of the several heads of account involved:—

Name of Tank.	Items of Estimate.	FUND.			
		Capital Ordinary	REVENUE.		Total for each Tank, &c.
			Extensions and Improvements.	Repairs.	
		Rs.	Rs.	Rs.	Rs.
Pennaghur Tank	Raising and repairing the bund and closing the breaches, also revetting the bund with new stones	580	...	3,250	3,830
	Constructing a masonry weir	...	...	2,200	...
Malepalam Tank	Raising and repairing the bund, closing the breaches, and grass planting	...	...	...	3,190
	Improving the existing weirs and reconstructing an irrigation sluice	...	990	...	...
Kalpathoor large Tank	Raising and repairing the bund and planting grass	...	...	1,350	...
	Improving the existing weir	...	820	...	2,660
	Constructing a masonry weir	...	490	...	...

Fort St. George,
31st March 1876.

(Signed) A. DEC. SCOTT, Major, R.E.,
Deputy Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department, Fort St. George.

No. 374.

ORDER THEREON, 26th April 1876, No. 1,045.

IRRIGATION, No. 26.

Account.

No. 33 W., dated 31st March 1876.

The following estimates for Irrigation Works in the Vellore Range, North Arcot District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted are sanctioned:—

Name of Work.	Item of Estimate.	Fund.	Amount.	Irrigation Registry No.
Pennaghur Tank	Raising and repairing the bund and closing the breaches, also revetting the bund with new stones.	Revenue Repairs	Rs. 3,250	13
	Constructing a masonry weir	Capital Ordinary	580	13
Malepalam Tank	Raising and repairing the bund, closing the breaches, and grass planting.	Revenue Repairs	2,200	14
	Improving the existing weirs and reconstructing an irrigation sluice.	Revenue Extensions and Improvements.	990	14
Kalpathoor large Tank	Raising and repairing the bund and planting grass.	Revenue Repairs	1,350	15
	Improving the existing weir	Revenue Extensions and Improvements.	820	15
	Constructing a masonry weir	Revenue Extensions and Improvements.	490	15

*Proceedings of the Madras Government, Public Works Department,
26th April 1876.*

2. These sanctions are registered as shown above.
(True Extract.)

Colonel,
Offg. Under Secy. to Govt., P.W.D.

To the District Engineer, North Arcot.
" Collector of North Arcot.
" Chief Engineer for Irrigation.
" Examiner of Public Works Accounts.
" Revenue Department.

Exd. E. C. Shunker.
Spare Copies

Fort St. George, 31st March 1876.

No. 3371.

Note by the Chief Engineer for Irrigation.

No. 4075

Dated 2nd March 1876.

Encls. 49.

The following Estimates from the Vellore Range are forwarded
by the District Engineer, North Arcot, with his letter
marginally noted: to the Chief Engineer for Irrigation

Talug.	Village.	Work.	Amount.	District Estimate.
			Rs.	Rs.
		Chinnagur tank.	3530.	29*50
		Matipalam tank.	2190.	28*44
		Kalpatham large tank.	2660.	26*27

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. Acres.	Assessment. Rs.	Average Revenue for 5 years. Rs.	Highest Revenue for 5 years. Rs.	Expenditure during previous years. Rs.	Amount of Estimate.		
						Capital. Rs.	Revenue. Rs.	Total. Rs.
Chinnagur tank.	265	1932	1460		1000	580	3250	3530
Matipalam tank.	69	565	370		100		290	2190
Kalpatham large tank.	165	743	550		750		2660	2660

II.—Hydraulic Details.

Name of Work.	Catchment Basin Area.	Maximum Supply.		Length of Escape.		Average Height of Bund.		Surplus discharged at M. T. L. per Sec.	Tanks above.
		Catchment per Second.	Channels per Second.	Total.	Effective.	Above F. T. L.	Above M. T. L.		
	Sq. M.	C. ft.	C. ft.	Ft.	Ft.	Ft.	Ft.	C. ft.	No.
Pennaghur Tank.	3	170			Nil	Nil	5.5	0.0	1
					W 63	63	5.5	2.5	1079.8
Malepalam Tank	6	1857			11 132	132	1.60	0.0	2304.4
					11 132	132	5.5	2.5	2304.4
Kalpather Large Tank.	10	267			11 96	96	1.34	1.34	1675.9
					11 96	96	1.34	1.34	1675.9

NOTE.—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. In the MS. the entries in red denote proposed dimensions. The following abbreviations are used:—C.—Calingulah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank.

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

Punaghur Tank—Raising and repairing the bund, closing breaches and revetting the bund with new stones and constructing a masonry weir.

Malepalam Tank—Raising and repairing the bund, closing the breaches and grass planting, improving the existing weir and re-constructing an irrigation sluice.

Kalpather Large Tank—Raising and repairing the bund and planting grass, improving the existing weir and constructing a masonry weir.

The following statement shows the proposed distribution of the outlay recommended for sanction, to the debit of the several heads of account involved:

Name of Tank.	Items of Estimate.	Amount			Total for each Tank, &c.
		Capital	Ordinary	Revenue	
Punaghur Tank.	Raising and repairing the bund and closing the breaches also revetting the bund with new stones.				3250
	Constructing a masonry weir.	580			3830
Malepalam Tank.	Raising and repairing the bund, closing the breaches and grass planting.				2200
	Improving the existing weir and reconstructing an irrigation sluice.	990			3190
Kalpather Large Tank.	Raising and repairing the bund and planting grass.				1350
	Improving the existing weir.	820			
	Constructing a masonry weir.	1490			2660

Asst. Secy.

Major R. L. Deputy Chief Engineer for Irrigation
for Chief Engineer for Irrigation

To the Secretary to Govt.

1876 Sept. No. 2810

James

The Chief Engineer for Irrigation

Dated 31 March 1876
Recd 20 April 1876

G. I. G. No. 33 W.

Note on letter of D. E. H. Acreat Submitting certain Irrigation Estimates for Irrigation works.

Ci-24-476 (See) 26-476
Weip to 21-4-76

In this note an

I. Form No. 3.

No. 1045 of 26th April 1876

The following Estimates for Irrigation works in the Vellore Range, North Arcot District, forwarded by the Chief Engineer for Irrigation with his Memo. marginally noted are sanctioned:—

No. 33 W.
dated 31st March 1876.

Name of Work.	Item of Estimate.	Fund.	Amount	Irrigation Registry No.
Ponnaghur Tank.	Raising and repairing the bund and closing the breaches also revetting the bund with new stones.	Revenue Repair	3250 $\frac{13}{1}$	131
	Constructing a masonry weir.	Capital Ordin - ary.	580 $\frac{13}{2}$	
Malipalam Tank.	Raising and repairing the bund closing the breaches and grass planting	Revenue Re - pairs.	2200 $\frac{14}{1}$	141
	Improving the existing weirs and reconstructing an Irrigation sluice.	Revenue Ex - tensions and improvements	990 $\frac{14}{2}$	
Kallpathoor large Tank.	Raising and repairing the bund and planting grass.	Revenue Repairs	1350 $\frac{15}{1}$	151
	Improving the existing weir.	Revenue Extension & improvement	820 $\frac{15}{2}$	
	Constructing a masonry weir.	Revenue Extension & improvement	490 $\frac{15}{3}$	

These sanctions are registered as shown above
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(Samp)
Recd. H. Oct. 21-1-16

Y.
D.E. K. K. K. K.
Collector - do
C. E. for J. Smith 19 Endors
En. P. W. do
Ren. Dept. 2

Depd 13/5/1

2810f

Govt. of 1876: Madras.
PUBLIC WORKS.

To

The P. & S. Secretary

Dated

Issued

Recd.

Exd.

G. O. 25th April 1876, No. 1065

Hcs.

Irrigation Works
Narath S. Estimate
for certain _____ in
the Villu Nari
Sanctioned

Ent. in Reg.
15-4-76.