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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No. 3145	Press.
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V.S. 14.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

22nd May 1877, No. 34 I.

Irrigation.
Account.

Read the following paper :—

No. 20 I.

No. 66. *Note by the Chief Engineer for Irrigation.*

The following estimates from the Chingleput Range are forwarded by the
Superintending Engineer, Chingleput,
No. 4,091, dated 28th February 1877. with his letter marginally noted :—

Taluq.	Village.	Work.	Amount.
Madranticam	{ Nelvoy, S. No. 201 Poondy, S. No. 444		Rs.
		V. tank	250
		V. tank	395
		Total	645

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.	During the previous four Years.	OUTLAY.		
						PROPOSED ORDINARY AGRICULTURAL, IRRIGATION.		
						Original Works.	Repairs.	Average Annual Proportion of Charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	PER CENT.
Nelvoy tank	26	73	41	45	...	...	250	121.9
Poondy do.	27	81	53	57	...	160	214	141.1
Total	53	154	94	102	...	160	464	132.7

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.		
Nelvoy tank	SQ. M. 0.26	C. FT. 223	C. FT. ..	FT. NEL	FT. NEL	FT. 2.5	FT. 1.5	0.0	Not stated.
Poondy do.	0.50	354	..	E 75 NEL	75 NEL	2.5 3.0	1.5 1.5	207.3 0.0	..
				E 63	63	3.0	1.5	320.7	

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:—R.—Raliagulah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank. V.—Village. S.—Revenue Survey.

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

Nelvoy Tank.—This tank, it is stated, has not been repaired for upwards of twenty years; it was injured by the floods of 1874, and Rupees 2840-0 were then expended on emergent repairs. That amount forms part of the present estimate.

The surplus of the tank escapes round one end of the bund. The irrigation sluice is in need of repair.

The estimate provides for repairing and sectioning the bund and planting the slope with tank grass, removing a portion of the bund to F.T.L. for a length of 75 feet to provide for the discharge of the surplus and for repairing the irrigation sluice.

Poondy Tank.—This tank is situated in the catchment basin of the Shurgatloor tank in latitude 12° 23' 30" longitude 80° 40' 0" and has not been repaired for many years. The tank was breached by the floods of 1874 and was repaired at a cost of Rupees 39-11-0 as a work of emergency to save the revenue.

The tank has no permanent escape; a cut is made in the bund to discharge the surplus during floods and is closed immediately after the water has subsided. The tank has one "pot" sluice.

The estimate provides for repairing and sectioning the bund, including the emergent work done in 1874, lowering 63 feet of the bund to F.T.L. for the discharge of the surplus, and for constructing a masonry irrigation sluice.

Both these estimates were returned* to the Superintending Engineer on the 4th

* Together with one for the Pummyampat tungal.

October 1875, with a memorandum, No. 1,144, pointing out that the cost of the proposed repairs was very great as compared with the value of the tanks, and suggesting that it would be more remunerative to abandon them and cultivate their beds with dry crops. The Superintending Engineer now re forwards the estimates with a letter (No. 80, dated 31st January 1877.)

from the Collector of the District giving cover to the enclosures named in the margin, and stating "that the Board consider that the tanks of Nelvoy and Poondy should be retained as Government sources of irrigation." The Board apparently assume that the difference, Rupees 60,

Board's Proceedings, No. 2,713, dated 1st November 1876.

Collector's letter, No. 694, dated 14th December 1876.

Copy of Board's Proceedings, dated 13th January 1877.

between the average revenue and the ayacut assessment of those tanks will be realized if the amount, Rupees 645, of the estimates be spent upon these tanks, but there is nothing to indicate a probability of this. About 32 acres are now irrigated from the drainage of three-fourths of a square mile, or 43 acres per square mile. It is not likely that 53 acres, or 71 acres a square mile of drainage, will be successfully irrigated on the average, and as far as the undersigned can judge it would have been well had the offer of the villagers to repair the tanks and pay the average revenue been accepted.

The estimates are however now submitted for sanction, that for repair of the Poondy tank bund however being reduced from Rupees 235 to Rupees 214 by the disallowance of the provision for turfing, it being stated in the "report" accompanying the estimate that "the soil is hard and the bank can well do without" grass planting.

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, ORDINARY AGRICULTURAL IRRIGATION.		Total for each Tank.
		Original Works.	Repairs.	
Nelvoy tank	Repairing bund and irrigation sluice and forming an escape.	RS. ...	RS. 250	RS. 250
Poondy tank	Repairing bund and forming escape.	...	214	374
	Constructing an irrigation sluice...	160	...	

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

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

No. 67. ORDER THEREON, 22nd May 1877, No. 34 I.

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

Name of Work.	Item of Estimate.	Fund, Ordinary Agricultural.—Main Head Irrigation.	Amount.	Irrigation Registry No.
Nelvoy tank	Repairing bund and sluice and forming an escape.	Repairs ...	RS. 250	46 I
Poondy tank	Repairing bund and forming escape.	Do. ...	214	1 } 47 I
	Irrigation sluice	Original Works.	160	2 }

2. These sanctions are registered as shown above.

(True Extract.)

Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

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

Exd. T. D. Ryan.
Spare Copies

Revenue Department
No 2755
IRRIGATION
ACCOUNT.

Govt. of 1877 Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
CHINGLEPUT,
&c. &c. &c.

Dated May 22nd.

Issued

Recd.

4th June

Encl.

G. O., 22nd May 1877, No. 34 L

Des. No. 1120
MAY.

Nos. 66-67.

No. 3145
Comm'd to the
Board of Revenue
5th June 1877

Nelvey and Poondy Tanks, Chingleput Dis-
trict.—The estimates for repairs to the —,
sanctioned.

970 to No. 9 of Revenue 97-6-77.