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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

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Dated	18.5.195	18/6

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*Proceedings of the Madras Government, Public Works Department,
18th August 1876. No 2,166*

Read the following —

No 139 W

No 422

Note by the Chief Engineer for Irrigation

THE following estimates from the No 3 or Chingleput Range are forwarded by
the Superintending Engineer, Chingleput,
No 248, dated 29th April 1876 with his letter marginally noted

Taluq	Village	Work	Amount
Madurantiam	Nessapakam	S No 443, V Tank	Rs 660
Do	Thiroovadoor	" 419, large Tank	581
Do	Nemantham	" 452, V Tank	600

2 The Financial and Hydraulic details of the Irrigation works concerned are exhibited in the following statement —

*I—Financial Details
Ordinary Agricultural Works.*

Name of Work	Ayacut Area	Assessment	Average Revenue for 5 years	Highest Revenue for 5 years	OUTLAY			
					During the previous 5 years	PROPOSED		
						Original Works	Repairs	Average Annual Pro- portion of Charges to Revenue
	ACRES	RS	RS	RS	RS	RS	RS	RS
Nessapakam Tank	62	163	230	239	Nil		650	57.4
Thiroovadoor large Tank	49	157	152	188	23		581	71.7
Nemantham "	58	166	196	205	447		600	64.2

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 Second	Tanks above.
		Catchment per Second	Channels per Second	Total	Effective	Above F.T.L	Above M.T.L		
Nessapakam Tank	80 M 0.75	C FT 464	C FT 8.43	FT K 12 W 12 E 144 F 36	FT 10 156 36	FT 3.0 3.0 3.0	FT 1.5 1.5 1.5	C FT 125.8 518.4 112.6	No 3 Nil
Thiroovadoor large Tank	1.00	562		E 180 F 36	180 36	3.0 3.0	1.5 1.5	553.5 144.1	
Nemantham	2.50	1,036		E 348	348	3.0	1.5	1,222.0	

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

Proceedings of the Madras Government, Public Works Department,
18th August 1876. No. 2,166.

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

Nessapakam Tank —Repairing the bund, turfing and planting tank grass, repairing the irrigation sluice and calingulah, deepening the channel and forming a grass planted escape.

Thiroovadoor large Tank —Repairing the bund, turfing and planting tank grass and also repairing the bund of the tank feeder, repairing an irrigation sluice and forming a grass planted escape

Nemantham Tank —Repairing the bund, turfing and planting tank grass, repairing an irrigation sluice and a dry stone escape and forming a grass planted escape

The three tanks above named are said to form a small group, but their general circumstances would be better considered in connection with the other tanks which are included in the sketch forwarded by the Superintending Engineer. In the sketch referred to the drainage converges below the Puduputta and Sengathur tanks in such a manner as to indicate a common drainage line.

In cases like this an abstract of the particulars of ayacut, assessment, average revenue, past and previous outlay would be useful.

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		Total for each Tank, &c
		Original Works	Repairs	
Nessapakam Tank	Repairing the bund, turfing planting tank grass, repairing the irrigation sluice and calingulah and deepening the channel	Rs 19	Rs 641	Rs 660
Thiroovadoor large Tank	Forming an escape planted with tank grass	..	..	..
	Repairing the bund, turfing and planting tank grass and also repairing the bund of tank feeder and an irrigation sluice	..	Rs 549	Rs 549
Nemantham Tank	Forming an escape planted with tank grass	..	..	..
	Repairing the bund, turfing and planting tank grass, and also repairing an irrigation sluice and a dry stone escape	..	Rs 540	Rs 540
	Forming an escape planted with tank grass	..	..	..

OTTAKUMOND,
15th August 1876.

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

To the Secretary to Government, Public Works Department.

No. 423

ORDER THEREON, 18th August 1876. No. 2,166

IRRIGATION, No. 11.
Account

No 130-W, dated 15th August 1876

The following estimates for Irrigation Works in the No. 3 or Chingleput Range, Chingleput District, forwarded by the Chief Engineer for Irrigation with his memorandum marginally noted are sanctioned.

Proceedings of the Madras Government, Public Works Department,
18th August 1876. No. 2,166.

Irrigation

Name of Tank	Provision of Estimate.	Fund, Ordinary Agricultural	Amount	Irrigation Register No
Nessapakam Tank	Repairing the bund sluice, calingulah and channel, &c	Repairs	Rs 641	1 } 113 I
	Escape	Original Works	19	2 }
Thiroovadoor large Tank	Repairing the bund and tank and feeder, &c	Repairs	549	1 } 114 I.
	Escape	Original Works	32	2 }
Nemantham Tank	Repairing the bund irrigation sluice, &c	Repairs	540	1 } 115 I
	Escape	Original Works	60	2 }

2. These sanctions are registered as shown above

(True Extract)

Colonel,

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

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

Exd E C Shunker.
Spare Copies

No 139-W. Recommended 15 Aug 1876

Note by the Chief Engineer for Irrigation

No 248

Dated 29 April 1876

Serials 15-

The following Estimates from the *13 or Chingleput* range are forwarded by the *Superintending* Engineer *Chingleput* with his letter marginally noted —

Taluq	Village	Work.	Rs.	Amount
	Madurantam.	Nesapakam S. No 4/13 Tank	660	
	d.	Thiruvadoor - 449 large r.	581	
	d.	Nemantham - 452 V tank	600	

2 The Financial and Hydraulic details of the Irrigation works concerned are exhibited in the following statement —

I.—Financial Details
Ordinary Agricultural Works

Name of Work	Ayacut Area.	Assessment	Average Revenue for 5 years	Highest Revenue for 5 years	During the previous 4 years	OUTLAY		
						Proposed		
						Original Capital Works	Revised Estimates	Average annual proportion of Charges to Revenue
	Acres	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Nesapakam tank	62	162	230	239	126	.	660	57.4
Thiruvadoor large r.	49	157	162	188	28	.	581	71.7
Nemantham r.	58	166	196	205	447	.	600	61.2

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	
Keevapaham tank 0'75. 464 8'45	K	12	12	30	15	125	1			
Therooradoor large 8'10 562	K	36	36	30	15	112 1/2	1			
Nemankham 8'25 1056	K	36	36	30	15	140 1/2	2			

Note.—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. The following abbreviations are used:—K—Kalinguloh with dam stones. W—Weir with flush crest. E—Escape at ground level. B—Bund of tank & village & revenue boundary.

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

Keevapaham Tank. Repairing the bund, turfing and planting tank grass, repairing the irrigation sluice and Kalinguloh, deepening the channel and forming a grass planted escape.

Therooradoor large Tank. Repairing the bund, turfing and planting tank grass and also repairing the bund of the tank feeder, repairing an irrigation sluice and forming a grass planted escape.

Nemankham Tank. Repairing the bund, turfing and planting tank grass, repairing

an irrigation sluice and a dry stone escape and forming a grass planted escape.

The three tanks above named are due to form a small group but their general circumstances would be better considered in connection with the other tanks which are included in the sketch forwarded by the Superintending Engineer. In the sketch referred to the drainage converges below the Pudukutla and Sengathur tanks in such a manner as to indicate a common drainage line.

In cases like this an abstract of the particulars of present arrangements, average revenue paid and previous outlay would be useful.

The following statement shows the proposed distribution of the outlay recommended for execution to the debit of the several heads of account involved.

Name of Tank	Items of estimate	Fund		Total for each tank
		Ordinary	Agricultural	
Keevapaham Tank	Repairing the bund, turfing			611
	planting tank grass, re-			
	pairing the sluice &			
	Kalinguloh & deepening			
the channel				660
	Forming an escape plant			
with tank grass				19

Theravada
Large Tank

Repairing the bund, bridge
and planting tank area
Water repairing the tank
of tank bed and
irrigation sluice
Forming an escape
planted with tank area
529
531

Admantham
Tank

Repairing the bund, bridge
and planting tank area
Water repairing the
irrigation sluice and
a dry stone escape
Forming an escape
planted with tank area
530
531

Respectfully

Major D. J.
Deputy Chief Engineer
for Chief Engineer for Dist.

The Secretary to Government
Public Works Department

C. J. S.

1876 P.W.D.

21 AUG 76

From
The Chief Engineer for Irrigation

To
The Secretary to Govt.
P. W. D.

Dated 15th } August 1876
Despatch 15

Encls. 15.

No. 139-IV.

No. 422

Tank Repairs - Chingleput
District - Note submitting
for sanction estimates &c for
certain.

E 1 Form No 3

No 2166 of 18th Aug 76.

The following Estimates for Irrigation,
Works in the ~~area~~ Chingleput Range,
Chingleput 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	Amount	Irrigation Register No
Messapakkam Tank	Repairing the bund shun, Kalingulab & Channel &c	Repairs	641	113 ^I
	Escape - - - -	Original works	19	20 -
Thuruvadoor large Tank	Repairing the bund & tank & feeders &c	Repairs	549	114 ^I
	Escape - - - -	Original works	32	21
Kemankam Tank	Repairing the bund & irrigation shun &c	Repairs	540	115 ^I
	Escape - - - -	Original works	60	22

2. These sanctions are registered
as shown above

Aug. 1

ML

ML

S. E. Chingleput
Collector do
C. E. for J. with 15 Encls
Ex. P. W. D.
Rev. Secy.

Desd 12/9/76

C. E.

6016

Govt. of Madras.

PUBLIC WORKS.

To

The H. E. Secy. Genl.

Date

Issued

Recd

G. O. 18th Sept. 1876. 2185.

Nos. 422. - 423

Santho. Chingayud

B. - Estimates for the
repair of culverts —
sanctions of —

Santho. Chingayud
1876