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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	594	(9)	Press
B.P. No.			Mis.
Dated	6.3.		1876.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
6th March 1876.*

Read the following:—

No. 213.

No. 63.

Note by the Chief Engineer for Irrigation.

The following estimates from the Chingleput Range are forwarded by the
Superintending Engineer, Chingleput,
No. 2,753, dated 4th October 1875. with his letter marginally noted:—

Taluq.	Estimate No.	Work.	Amount.
	187		
Madranticum	...	Rajapoliam Tank	Rs. 350
Do.	...	Keelathivakam Tank	800
Do.	...	Bookathoray large Tank	1,625
Do.	...	Namam Tank	935
Do.	...	Oolothamungalum Tank	180

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

I.—Financial Details.

Name of Work.	Ayant Area.	Assessment.	Average Revenue for 5 years.	Highest Revenue for 5 years.	Expenditure during previous 4 years.	AMOUNT OF ESTIMATE.		
						Capital.	Revenue.	Total.
	ACHES.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Rajapoliam Tank	29	140	126	131	...	...	350	350
Keelathivakam Tank	118	430	205	235	...	...	800	800
Bookathoray large Tank	207	685	701	739	192	...	1,625	1,625
Namam Tank	109	449	350	484	108	205	730	935
Oolothamungalum Tank	75	341	351	351	...	180	...	180

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 Section.	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.
Rajapoliam Tank	1.5	737	...	E. 120	120	3	1.5	0.0	...
Keelathivakam Tank	1.25	649	...	C. 25 W. 25 E. 83	22 108	3 2	1.5 2	370.3 128.6	...
Bookathoray large Tank	35	6,018	...	C. 76 W. 76 E. 395	64 471	3 5	2.5 2.5	805.3 3632.1	24
Namam Tank	1.5	737	...	E. 30 E. 82	30 82	2.5 4	2.5	142.5 519.4	...
Oolothamungalum Tank	1	562	...	E. 36 E. 62.5	36 62.5	4.5 4.5	2.5 2.5	171.0 395.9	...

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 flush crest. E.—Escape at ground level. B.—Bund of tank.

*Proceedings of the Madras Government, Public Works Department,
6th March 1876.*

3. The following is the work proposed in each case:—

Rajapoliam tank.—This tank was damaged and breached by a cyclone. The bund is to be raised and sectioned and the sluice repaired.

Keelathivakum tank.—The bund of this tank was badly eroded by the effects of a cyclone and was nearly breached. The estimate submitted is for raising and sectioning the bund, repairing the calingulah by removing the dam stones, and raising the body walls and repairing two sluices.

Bookathoray large tank.—This tank was injured by the overflow of the Palar river. The estimate provides for the following:—Raising and sectioning the bund, new stone-packed revetments, planting long grass, repairing and altering sluices, repairing calingulah, removing dam stones, and raising the body wall to F.T.L.

Namam tank.—This tank was breached and repaired to the extent necessary to save the revenue. The estimate provides for raising and sectioning the bund, replacing revetment, turfing, planting long grass, repairing and improving the sluice, and constructing a loose stone escape weir 82 feet in length.

Oolothamungalum tank.—The estimate for this tank provides for the construction of a loose stone escape weir 62½ feet in length.

4. As the escape which is to be constructed to the Rajapoliam tank is to be planted, its length must be increased to 240 feet. That of the Keelathivakum tank should be 150 feet in addition to the calingulah. The alterations to the latter are debitable to extension and improvements under Revenue.

The alterations to the calingulah of the Bookathoray large tank with the removal of 200 feet of bund at each end will probably suffice to secure that work.

The Namam tank escape should be made 100 feet in length, which will involve an addition of Rupees 50 to the estimate.

The escape proposed for the Oolothamungalum tank is only 62½ feet in length instead of 80 feet, as laid down distinctly in the Note of the Chief Engineer attached to G.O., No. 2,899, dated 11th October 1875, where the cost is stated at Rupees 225.

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

28th February 1876.

No. 64.

ORDER THEREON, 6th March 1876, No. 594.

IRRIGATION, No. 6.	
Account.	

THE following estimates for works in
No. 3 Range forwarded by the Superin-
tending Engineer, Chingleput District,
are sanctioned:—

Irrigation Register No. 23 I. of 1875-76.—Repairing the				Revenue (Repairs).	
				Rs.	
Do.	do.	" 24 I.	do.	Do.	Rajapoliam Tank ... 350
Do.	do.	" 25 I.	do.	Do.	Keelathivakum Tank ... 800
				Do.	Bookathoray large Tank 1,625
Do.	do.	" 26 I.	do.	Do.	Namam Tank ... 730
					Extensions and Improvements.
Do.	do.	" 27 I.	do.	Do.	Rough stone escape, Namam Tank ... 205
				Do.	Oolothamungalum Tank 125

*Proceedings of the Madras Government, Public Works Department,
6th March 1876.*

2. The last work will be altered in accordance with the Note of the Chief Engineer recorded in the Proceedings of Government of the 11th October 1875, No. 2,899, which should have been attended to by the officers concerned. The escapes of the other tanks referred to will also be lengthened.

3. The above sanctions have been registered, as shown, against each work.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the District Engineer, Chingleput.

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

Exd. S. T. Austin.

Spare Copies

N^o 24328th February 1876.

Note by the Chief Engineer for Irrigation.

No. 2453

Dated 4th Oct. 1875.

To Sudder.

The following Estimates from the *Chingleput* Range are forwarded by the *Superintending Engineer Chingleput* with his letter marginally noted:—

Taluq.	Estimate No.	Work.	Amount. Rs.
	187		
<i>Madurantium</i>		<i>Rajapolam Tank</i>	<i>350</i>
		<i>Kelathirakam</i>	
		<i>Tank</i>	<i>800</i>
		<i>Borkathoray large</i>	
		<i>Tank</i>	<i>1625</i>
		<i>Namam Tank</i>	<i>935</i>
		<i>Colootheramungalum</i>	
		<i>Tank</i>	<i>180</i>

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 dur- ing previous 4 years. Rs.	Amount of Estimate		
						Capital. Rs.	Revenue. Rs.	Total. Rs.
<i>Rajapolam Tank</i>	<i>30</i>	<i>140</i>	<i>126</i>	<i>131</i>	<i>nil</i>	<i>350</i>		<i>350</i>
<i>Kelathirakam</i>								
<i>Tank</i>	<i>118</i>	<i>430</i>	<i>205</i>	<i>235</i>		<i>800</i>		<i>800</i>
<i>Borkathoray large</i>								
<i>Tank</i>	<i>207</i>	<i>685</i>	<i>701</i>	<i>789</i>	<i>102</i>	<i>1625</i>		<i>1625</i>
<i>Namam Tank</i>	<i>109</i>	<i>449</i>	<i>359</i>	<i>484</i>	<i>108</i>	<i>205</i>	<i>780</i>	<i>985</i>
<i>Colootheramungalum</i>								
<i>Tank</i>	<i>75</i>	<i>341</i>	<i>357</i>	<i>357</i>	<i>nil</i>	<i>180</i>		<i>180</i>

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 Sec. cont.	Catchment per Sec. end.	Total.	Effective.	Above F. T. L.	Above M. T. L.		
	Sq. M.	C. ft.	C. ft.	Fe.	Fe.	Fe.	Fe.	C. ft.	No.
Rajapoliam Tank	1.5	737	nil	nil	nil	3	1.5	0.0	nil
Keelathivukam Tank	1.25	649	.	C: 5	22	2	.5	125.6	.
Boothathoray large Tank	3.5	6018	.	C: 6	64	3	.5	808.3	24.
Kaimam Tank	1.5	717	.	E: 0	31	2.5	.5	42.5	nil
Calootheramungalam Tank	1	582	.	E: 6	26	4.5	2.5	174.0	.

NOTE.—The proposed dimensions of escapes and heights of bund are entered in red. The existing dimensions in black. In the entries in red note 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 the work proposed in each case.—

Rajapoliam Tank. This tank was damaged and breached by a cyclone. The bund is to be raised and sectioned and the sluice repaired.

Keelathivukam Tank. The bund of this tank was badly eroded by the effects of a cyclone and was nearly breached. The estimate submitted is for raising and

and sectioning the bund, repairing the calingulah by removing the dam stones and raising the body walls and repairing two sluices.

Boothathoray large Tank. This tank was injured by the overflow of the Palas River. The estimate provides for the following:—Raising and sectioning the bund, revetment, planting long grass, repairing and altering sluices, repairing the calingulah, removing dam stones, and raising the body wall to F. T. L.

Kaimam Tank. This tank was breached and repaired to the extent necessary to save the revenue. The estimate provides for raising and sectioning the bund, replacing revetment, turfing, planting long grass, repairing and improving the sluice, and constructing a loose stone escape weir 82 feet in length.

Calootheramungalam

Oolothramungalum Tank.
The estimate for this tank provides for the construction of a loose stone escape weir 62½ feet in length.

4. As the escape which is to be constructed to the Rajapoham Tank is to be planted its length must be increased to 220 feet. That of the Melathivakam Tank should be 100 feet in addition to the calingulah. The alterations to the latter are debitable to Extension and Improvements under Revenue.

The alterations to the calingulah of the Poorka-tharay large Tank with the removal of 200 feet of bund at each end will probably suffice to secure that work.

The Kammam Tank escape should be made 100 feet

feet in length which will involve an addition of Rs 50 to the estimate.

The escape proposed for the Oolothramungalum Tank is only 62½ feet in length instead of 80 feet as laid down distinctly in the order of the Chief Engineer attached to G. O. No. 2099, dated 11th October 1875, where the cost is stated at Rs. 225.

Adm Secy.

Major R. H.
Asst. Chief Engineer for Irrigation,
for Chief Engineer for
Irrigation.

Ch. S.

FORMER CASES.

Current No.

of 187

M. WORKS FORM No. 3.

Current No. 1541

From

The Chief Eng^r for
Irrigation

No. 243

Dated 28 Feb

Recd. 2

March 1876

Subject:—

Note of Estimates for
repairs to certain Tanks
Chingleput Range, Chingleput
Dist.

LATER CASES.

Current No.

of 187

ENCLOSURES 20

From

to

Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment.	No.	Dated.

Cur 2-3-76.

Proceedings of the Madras Government
Under date the 6th March/76
Read the following:—

From The Chief Engineer
for Irrigation } (L.R. No 243 d/28 Feb/1876)

The following
estimates for works
in No. 3 Range
forwarded by the
Superintending En-
gineer, Chingleput
District are sanctioned.

Requies

No 251/1876 Repairing the Rajapoliam Tank. Revenue
(Repairs) Rs. 350.

No 252 .. ——— Do ——— Kurlathivakam ——— do ——— 800.

No 253 .. ——— Do ——— Pookathoray large ——— do ——— 1,625

No 254 .. ——— Do ——— Namam ——— do ——— 730

No 255 .. { Rough stone escape ——— do ——— " Extension of
Improvements ——— 205

No 256 .. ——— Do ——— Polothamungalam Tank ——— do ——— 225

2. The last work
will be altered
in accordance with
the note of the Chief
Engineer recorded
in the Proceedings
of

of Government of
the 11th October 1875,
no 2899, which should
have been attended
to by the officers
concerned. The
escapes of the other
tanks referred to
will also be long time.

Amf

Amf

The above amounts have
been registered as shown
against each work.

D. E. Chillingworth

Collector

Ch. for J. with 20 & clob

Com. & w. d. in

Rev. Sep

Dispa. 20.3.76

1874
Govt. of Madras

PUBLIC WORKS.

To

The Engineer
Chingleput

Dated

7/3

Issued

Recd

Encl

G. O. Memo No. 574

No 63-67

Repair to certain tanks
in the 3rd Range, Chingleput
Dist. - The Estimates for
are sanctioned.