

(1) Number of pages

(2) Date of repair

3. Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 106

Press
Mis.

Dated 12 / 1

1877.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
12th January 1877. No. 106.*

Read the following:—

No. 17 W.

No. 207. *Note by the Chief Engineer for Irrigation.*

THE following estimates from the Northern, and Tinnevely Ranges are forwarded by the Officiating District Engineer, Tinnevely, with his letter marginally noted:—

Taluq.	Village.	Work.	Amount.
			RS.
Sattoor..	Avalnuttum	Cariselkulam Tank and Channel..	660
Do.	Chattrapatti	V. Tank	465
Do.	Meesalore	V. Tank	435
Olapedarum	Allumpatty	V. Tank	410
		Total ..	1,970 .

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 5 years.	Highest Revenue for 5 years.	During the previous 4 years.	OUTLAY.		
						ORDINARY AGRICULTURAL.		
						Proposed.		
						Original Works.	Repairs.	Average annual proportion of charges to Revenue.
	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	RS. P. CNT.
Cariselkulam Tank and Channel	40	423	364	383	400	..	660	58.2
Chattrapatti Tank	37	203	141	151	Nil	90	375	65.9
Meesalore Tank	24	148	140	172	..	75	360	62.1
Allumpatty Tank	63	225	169	Not stated.	..	95	315	48.5
Total	164	999	814	..	400	260	1,710	58.2

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.
Cariselkulam Tank and Channel ..	5	177.0	252.5	K 36	27	1.5	0.0	339.7	NIL
				W 36	36	4.5	2.0	478.0	
Chattrapatti Tank ..	1	300	..	K 33	25	Not stated.	Not stated.	269.0	..
				W 47	47	3.75	2.25	290.0	
Meesalore Tank ..	75	240	..	NIL	NIL	7.5	0.0	0.0	..
				W 38	38	3.0	1.5	234.5	
Allumpatty Tank ..	1	300	..	NIL	NIL	3.5	1.5	0.0	..
				W 36	36	4.5	2.5	342.1	

NOTE.—The proposed dimensions of escapes and height of bund are printed in large type. The existing dimensions in small type. The following abbreviations are used:—K.—Kuliah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Bund of tank. V.—V. A. T.

Proceedings of the Madras Government, Public Works Department,
12th January 1877. No. 106.

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

Cariselkulam Tank and Channel.—The banks of this supply channel and tank bund are low and weak and were breached last year, the breaches were closed at a cost of Rupees 200, and a new irrigation sluice was constructed in the tank at a further cost of Rupees 200. It is proposed to raise and repair the tank and channel banks, and to convert the calingulah into a weir by removing the dam stones, also to raise the wing walls. The estimate provides for these repairs and improvements.

Chattrapatti Tank.—The bund of this tank is exceedingly low and weak, not having been repaired for many years; it requires to be raised and strengthened. This tank has an irrigation sluice and a calingulah, both of which are in good condition, but the latter is insufficient to discharge the surplus although the crest of the body wall is 9 inches below F.T.L. It is therefore proposed to remove the dam stones, raise the crest to F.T.L., and to extend the weir 14 feet. The estimate provides for raising and repairing the bund, converting the calingulah into a weir and extending it.

Meesalore Tank.—This tank commands the South India Railway line, the bund is low and in need of repair. The tank has an irrigation sluice which is in good order, but it is not provided with a surplus weir. The estimate provides for raising and repairing the bund and constructing a masonry weir.

Allumpatty Tank.—This tank is situated in the Nalli basin, the drainage of which crosses the South India Railway line. The bund is in fair order and only needs raising in parts to make it of a uniform height and section throughout. One of the irrigation sluices is partly destroyed and choked up and the body requires to be rebuilt. This tank is without a surplus weir. The estimate provides for raising and repairing the bund, repairing an irrigation sluice, and constructing a masonry weir.

These estimates are recommended for sanction.
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, Rs.
		Original Works.	Repairs.	
Cariselkulam Tank and Channel.	Raising and repairing the tank and channel banks, and converting the calingulah into weir	Rs. 200	Rs. 200	Rs. 400
Chattrapatti Tank	Raising and repairing the bund	Rs. 200	Rs. 200	Rs. 400
Meesalore Tank..	Extending and converting the calingulah into a weir	Rs. 200	Rs. 200	Rs. 400
Allumpatty Tank	Raising and repairing the bund	Rs. 200	Rs. 200	Rs. 400
	Constructing a weir	Rs. 200	Rs. 200	Rs. 400
	Raising and repairing the bund	Rs. 200	Rs. 200	Rs. 400
	Repairing an irrigation sluice	Rs. 200	Rs. 200	Rs. 400
	Constructing a weir	Rs. 200	Rs. 200	Rs. 400

FORT ST. GEORGE,
9th January 1877.

(Signed)

A. DEC. SCOTT, Major, R.E.,
Dy. Chief Engineer for Irrigation,
for Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department.

Proceedings of the Madras Government, Public Works Department,
12th January 1877. No. 106.

No. 208. ORDER THEREON, 12th January 1877, No. 106.

IRRIGATION, No. 31.

Account.

No. 17 W, dated 9th January 1877.

The following estimates for Irrigation Works in the Northern and Tinnevely Ranges, Tinnevely District, forwarded by the Chief Engineer for Irrigation, with his memorandum marginally noted, are sanctioned:—

Name of Work.	Item of Estimate.	ORDINARY AGRICUL- TURAL.	Amount.	Irrigation Registry No.
		Fund, (1) Irrigation.		
			RS.	
Cariselkulam Tank and Channel.	Repairing tank and channel banks and improving weir	Repairs	660	1 } 260—I.
		Repairs	375	2 } 261—I.
Chattrapatti Tank	Repairing bund	Original Works	90	1 } 262—I.
	Improving weir	Repairs	360	2 } 263—I.
Meesalore Tank..	Repairing bund	Original Works	75	1 } 263—I.
	Weir	Repairs	230	2 } 263—I.
Allumpatty Tank	Repairing bund	Do.	85	3 } 263—I.
	Repairing irrigation sluice Weir.. .. .	Original Works	95	

2. These sanctions are registered as shown above.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

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

Exd. S. T. Austin.
Spare Copies

No. 17-11

Fort St George, 9th January 1877.

Note by the Chief Engineer for Irrigation.

No. 152

Dated 26 Dec 1876.

Encls. 10

The following Estimates from the Northern & Sinnerelly Range are forwarded by the Offg District Engineer Sinnerelly with his letter marginally noted:—

Taluq.	Village.	Work.	Amount.
Sattas.	Avanattum	Cariselkulam Tank & Channel	660
"	Chattrapatti	" Tank	465
"	Meesaloru	" Tank	435
"	Alapedarum Alumpatty	" Tank	410

Total Rupees 1970

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 5 years.	Highest Revenue for 5 years.	OUTLAY			
					During the previous 4 years.	Ordinary Agricultural		
						Original Capital	Reve. due. & interest	Proposed.
	Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Cariselkulam Tank & Channel	110	425	364	383	400		660	58.2
Chattrapatti Tank	37	203	141	181	Nil	90	375	65.9
Meesaloru Tank	24	145	140	172		75	360	62.1
Alumpatty Tank	13	225	169	Not stated		95	315	48.5
Total	164	999	814		400	260	1710	55.2

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.
	Sq. M.	C. ft.	C. ft.	Ft.	Ft.	Above F. T. L.				
						Catchment per Second.	Channels per Second.	Total.		
Cariselkulam Tank & Channel	5	177.0	252.5	K. 36	27	1.5	0.0	209.7	Nil	
Chattrapatti Tank	1	300		K. 25	25	Not	Not	269.0		
Meesalore Tank	75	240		Nil	Nil	.75	0.0	0.0		
Allimpatty Tank	1	300		Nil	Nil	2.5	1.5	0.0		

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.—Kalingulab with dam stones. W.—Weir with flush crest. 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—

Cariselkulam Tank and Channel—The banks of this supply channel and tank bund are low and weak and were breached last year; the breaches were closed at a cost of Rs. 200 and a new irrigation sluice was constructed in the Tank at a further cost of Rs. 200. It is proposed to raise & repair the tank and channel banks and to convert the Kalingulab into a weir by removing the dam stones, also to raise the wing walls. The Estimate

Note for Survey.—Red entries in Channel & Tank Bund.

provides for these repairs & improvements. Chattrapatti Tank—The bund of this tank is exceedingly low and weak not having been repaired for many years, it requires to be raised and strengthened. This tank has an irrigation sluice & a Kalingulab both of which are in good condition but the latter is insufficient to discharge the surplus although the crest of the body wall is 4 inches below F.T.L. It is therefore proposed to remove the dam stones, raise the crest to F.T.L. and to extend the weir 4 feet. The estimate provides for raising and repairing the bund, converting the Kalingulab into a weir and extending it.

Meesalore Tank—This tank commands the South Indian Railway line, the bund is low and in need of repair. The tank has an irrigation sluice which is in good order but it is not provided with a surplus weir. The estimate provides for raising and repairing the bund and constructing a masonry weir.

Allumpatty Tank—This tank is situated

1877.
From
The Chief Engr. for Irrig.
to
The Secy. to Govt. P.W.D. W.D.
9 JAN 77
No. 192

Dated 9 January 1877.
Despd. 9
+ Rd to C.E. J Encls. 15
N. 17-W.

Tank Repair - Tinnevely District.
Note recommending for sanctioning
estimates for Rs. 1970 for certain

Cin. 10-1-77. OR. 12-4-77

E. I. Form No. 3.

No 106 of 12 Jan 77. 11

THE following Estimates for Irrigation
works in the Northern & Tinnevely Range,
Tinnevely District, forwarded by the
Chief Engineer for Irrigation with his Memo.
marginally noted are sanctioned:—

No. 17-W.
dated 9 January 1877.

Name of Work.	Item of Estimate.	Ordinary Repairs Fund. Original Works	Amount	Irrigation Registry No.
Caravelkulam Tank & Channel	Repairing Tank & channel banks improving weir	Repairs	660	260 I
Chattrapatti Tank	Repairing bund improving weir	Repairs Original Works	375 90	1 2 } 261 I
Meesalor Tank	Repairing bund Weir	Repairs Original Works	360 75	1 2 } 262 I
Chellumpatty Tank.	Repairing bund Repairing weir garden sluice Weir	Repairs do. Original Works	250 85 95	1 2 3 } 263 I

2. These sanctions are
registered as shown above

By Tinnevely
Collector of do.
Ch. Engr. Irrig with 10 En.
P. W. D.
Revenue Dept.

21/1

Despd. 23-1-77

11

192
Govt. of 1877 Madras.

PUBLIC WORKS.

To

The P. & L. Linnovelly

Dated

Issued

Recd.

Encl.

G. O. 12th Sept 1877, No. 106

Nos. 207 & 208. -

Tank, Linnovelly Dist
Circulars for the repair
of certain — — — — —

Both in P. & L.