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MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 423 (9)	Press ~~Mis.~~
Dated 7-2-	1877.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
7th February 1877. No. 423.

Read the following :—

No. 65 W.

No. 211.

Note by the Chief Engineer for Irrigation.

The following Estimates from the No. 1 or Northern Range are forwarded by the
No. 154, dated 3rd January 1877. Officiating District Engineer, Tinnevely,
with his letter marginally noted :—

Taluq.	Village.	Work.	Amount.
Satoor	Illoppoorney	Periakulam Tank	rs. 890
Do.	Do.	Nedunkulam Tank	735
Do.	Kurinjangkulam	V. Tank	200
Do.	Thettankulam	Sevelkulam and Cariselkulam Tanks	640
Total ..			2,465

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.	PROPOSED ORDINARY AGRICULTURAL IRRIGATION.		
						Original Works.	Repairs.	Average annual portion of charges to Revenue.
Periakulam Tank	ACRES.	RS.	RS.	RS.	RS.	RS.	RS.	Per cent.
Nedunkulam Tank	63	497	430	539	375	195	695	58.7
Kurinjangkulam Tank	29	224	232	236	Nil.	119	616	63.3
Sevelkulam and Cariselkulam Tanks	23	186	187	Not stated.	Nil.	126	74	21.3
Total ..	68	589	357	433	..	180	460	35.8
Total ..	183	1,496	1,206	..	375	620	1,845	47.0

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.		
Periakulam Tank	sq. M. 2.5	C. FT. 594	C. FT. ..	FT. Nil.	FT. Nil.	FT. 1.5	FT. ..	C. FT. 570.1	Sq. ft. 4
Nedunkulam Tank	1.5	405	..	W 60 Nil.	60 Nil.	4.5 1.29	2.5 ..	..	2
Kurinjangkulam Tank	0.25	102	..	W 43 E 13	43 13	4.5 2.66	2.5 1.16	408.6 66.1	Nil.
Sevelkulam Tank	0.5	177	..	W 16 Nil.	16 Nil.	3.75 2.35	2.25 0.55	98.7	1
Cariselkulam Tank	1.0	300	..	W 28 Nil.	28 Nil.	3.75 2.74	2.25 0.74	172.8	Nil.
				W 32	32	4.5	2.5	304.0	

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.—Calingulah 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.

Periakulam Tank.—This tank commands the South India Railway line, Southern Extension; it is in need of repair and requires a surplus weir. The tank has but one irrigation sluice, which is in good order.

The estimate provides for raising and repairing the bund and constructing a masonry weir.

Nedunkulam Tank.—This tank is situated near the South Indian Railway, and the surplus traverses the line. The bund of the tank is low and weak, there are two small breaches at the east end; it is therefore proposed to raise and repair the bund. The tank has no surplus work, and but one irrigation sluice which is in good order.

The estimate provides for raising and repairing the bund and constructing a masonry weir at the west end.

Kurinjankulam Tank.—This tank is situated in the Illopoorney basin, and the drainage crosses the South Indian Railway line. The bund is in fair order, except at the two extremities, which are very low and require to be raised. The lands under the tank are at present irrigated by means of a pot sluice, in lieu of which it is proposed to construct a masonry sluice. The surplus of this tank is at present discharged through an opening in the bund, which it is proposed to close and to construct a masonry weir in its stead.

The estimate provides for raising and repairing the bund, constructing a masonry weir and irrigation sluice.

Sevelkulam and Cariselkulam Tanks.—These two tanks irrigate the same land, and are situated in the Illopoorney basin, the drainage from which crosses the South Indian Railway. The bund of the former is in fair order, and only needs raising at the two extremities. The tank has no surplus work, and has but one irrigation sluice, which needs trifling repairs. The estimate provides for raising and repairing the bund, repairing the irrigation sluices, and constructing a masonry weir.

The bund of the latter is in bad order, and requires to be raised and strengthened throughout; the tank has two irrigation sluices, which are in good working condition, but has no outlet for the surplus.

The estimate provides for raising and repairing the bund and constructing 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.	Fund, Ordinary Agricultural Irrigation.		Total for each Tank, &c.
		Original Works.	Repairs.	
		RS.	RS.	RS.
Periakulam Tank	Raising and repairing the bund ...	...	695	890
	Constructing a masonry weir ...	195	...	
Nedunkulam Tank	Raising and repairing the bund ...	...	616	735
	Constructing a masonry weir ...	119	...	
Kurinjankulam Tank	Raising and repairing the bund ...	...	74	200
	Constructing an irrigation sluice ...	84	...	
	Constructing a masonry weir ...	42	...	226
Sevelkulam Tank	Raising and repairing the bund and repairing the irrigation sluice ...	...	158	
	Constructing a masonry weir ...	68	...	414
Cariselkulam Tank	Raising and repairing the bund ...	...	302	
	Constructing a masonry weir ...	112	...	

(Signed) A. deC. SCOTT, Major, R.E.,
Deputy Chief Engr. for Irrigation,
for Chief Engr. for Irrigation.

Fort St. George,
23rd January 1877.

To the Secretary to Government, Public Works Department.

No. 212.

ORDER THEREON, 7th February 1877, No. 423.

IRRIGATION, No. 24.

Account.

No. 65 W, dated 23rd January 1877.

THE following estimates for Irrigation Works in the No. 1 or Northern Range, Tinnevely District, forwarded by the Chief Engineer for Irrigation, with his memorandum marginally noted, are sanctioned:—

Name of Work.	Item of Estimate.	Fund, Ordinary Agricultural, Irrigation.	Amount.	Irrigation Registry No.
			RS.	
Periakulam Tank	Repairing bund ...	Repairs ...	695	1 } 305—I
	Weir ...	Original Works	195	
Nedunkulam Tank	Repairing bund ...	Repairs ...	616	1 } 306—I
	Weir ...	Original Works	119	
Kurinjankulam Tank	Repairing bund ...	Repairs ...	74	2 } 307—I
	Irrigation sluice ...	Original Works	84	
	Weir ...	Do. ...	42	3 } 308—I
Sevelkulam Tank.	Repairing bund and sluice ...	Repairs ...	158	
	Weir ...	Original Works	68	1 } 309—I
Cariselkulam Tank.	Repairing bund ...	Repairs ...	302	
	Weir ...	Original Works	112	2 }

2. These sanctions are registered as shown above.

(True Extract.)

Lieut.-Colonel, R.E.,
Secretary to Government.

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

Exd. S. T. Austin.

Spare Copies

No 65 W.

Fort St. George 23 January 1877.

Note by the Chief Engineer for Irrigation.

No. 154

Dated 3 Jan'y 1877.

Encls 12

The following Estimates from the *North Northern Range* are forwarded by the *Officiating District Engineer Tinnevely* with his letter marginally noted:—

Talug.	Village.	Work.	Rs.	Amount.
Sattoor	Illoppoorney	Periakulam Tank	890	
do	do	Nedunkulam Tank	735	
do	Kuringankulam	V. Tank	200	
do	Thettankulam	Sevelcolam and Cariselkulam Tanks	640	
Total Rupees			2465	

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.		
						Proposed		
						Ordinary	Proposed	Average annual proportion of Charges to Revenue.
	Aeres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Periakulam Tank	63	497	430	539	375	195	695	58.7
Nedunkulam Tank	29	224	232	236	Nil	119	816	63.3
Kuringankulam Tank	23	186	187	not stated	Nil	126	74	21.3
Sevelcolam and Cariselkulam Tanks	68	589	357	433	"	180	460	35.8
Total	183	1496	1206	"	375	620	1845	47.0

Name of Work.	Catchment Basin Area.	Catchment per Second.	Channels per Second.	Total.	Effective.	Average Height of Bund.		Surplus discharged at M. T. L. per Sec.	Tanks above.
						Above F. T. L.	Above M. T. L.		
	Sq. M.	C. ft.	C. ft.	Ft.	Ft.	Ft.	Ft.	C. ft.	No.
Pirakulam Tank 2.5	594	"	"	Nil	Nil	1.5	0.0	0.0	4
Nedumkulam Tank 1.5	405	"	"	Nil	Nil	1.29	0.0	0.0	2
Kuringankulam do 0.25	102	"	"	5.13	13	2.66	1.16	66.1	100
Sivelcolum Tank 0.5	177	"	"	Nil	Nil	2.25	0.85	0.0	1
Cariselkulam Tank 4.0	300	"	"	Nil	Nil	2.74	0.24	0.0	1

NOTE.—The proposed dimensions of escapes and heights of land are entered in red. The existing dimensions in black. The following abbreviations are used:—K.—Kalingmah with dam stones. W.—Weir with flush crest. E.—Escape at ground level. B.—Band of tank. *V. J. L. L.*

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

Periakulaim Tank.

This tank commands the South India Railway line, Southern extension, it is in need of repair and requires a surplus weir. The tank has but one irrigation sluice which is in good order.-

The estimate provides for raising and repairing the bund and constructing a masonry weir.

• Vedunkalam Tank.

This tank is situated near the South India Railway and the surplus traverses

the line. The bund of the tank is low and weak, there are two small breaches at the East end; it is therefore proposed to raise and repair the bund. The tank has no surplusage work and but one irrigation sluice which is in good order.

The estimate provides for raising and repairing the bund and constructing a masonry weir at the west end.

Kerajinan Kulam Tan R.

This tank is situated in the Illopoor-
ney basin, and the drainage crosses the
South India Railway line. The bund
is in fair order except at the two
extremities which are very low and
require to be raised. The lands under
the tank are at present irrigated by
means of a pot sluice in lieu of which
it is proposed to construct a masonry
sluice. The surplus of this tank is at
present discharged through an open-
ing in the bund which it is proposed
to close and to construct a masonry
weir in its stead.

The

The estimate provides for raising and repairing the bund, constructing a masonry weir and irrigation sluice.

Sevelcolum and Carisekolum Tanks.

These two tanks irrigate the same land and are situated in the Illopoorney basin, the drainage from which crosses the South India Railway. The bund of the former is in fair order and only needs raising at the two extremities. The tank has no surplus ing work, and has but one irrigation sluice which needs trifling repairs. The estimate provides for raising and repairing the bund, repairing the irrigation sluices and constructing a masonry weir.

The bund of the latter is in bad order and requires to be raised and strengthened throughout; the tank has two irrigation sluices which are in good working condition, but has no outlet for the surplus.

The estimate provides for raising and repairing

repairing the bund and constructing 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.	Fund. Ordinary. Agriculture. Est. Budget.		Total for each Tank, &c.
		Original works.	Repairs.	
Periakulam Tank.	Raising and repairing the bund	"	695	890
	Constructing a masonry weir	195	"	
Nedumkulam Tank.	Raising and repairing the bund	"	616	735
	Constructing a masonry weir	119	"	
Kuranjankulam Tank.	Raising and repairing the bund	"	74	200
	Constructing an Irrigation sluice	84	"	
	Constructing a masonry weir	42	"	
Sevelcolum Tank.	Raising and repairing the bund and repairing the Irrigation sluice	"	158	226
	Constructing a masonry weir	68	"	
Carisekulam Tank.	Raising and repairing the bund	"	302	414
	Constructing a masonry weir	112	"	

Adopted.

Major R.E.

Deputy Chief Insp. for Irrigation
for Chief Insp. for Irrigation

C. J. S.

1877

From

The Chief Eng^r for Irrigⁿ
P.W.D.

25 JAN 77

N.R. 713

Dates 23rd } Jan. 1877.
Decr: 24

Subs. 12

W. 65-14.

Tank Repair - Innerveley
District. - Note recommending
for sanction estimate for certain

E. I. Form No. 3.

No 423
Proceedings of the Madras Govt
Under date the 7 Feb 77
From Chng for Irrig (H. E. No 54 of 23 Jan 77)

No. 65W

dated 23rd January

1877.

The following Estimates for Irrigation
works in the 9th 10th & Northern Range,
Tinnevely District, forwarded by the
Chief Engineer for Irrigation with his Memo.
marginally noted are sanctioned:—

Name of Work.	Item of Estimate.	Fund Ordinary acqui- -cultural Irrigation	Amount	Irrigation Registry No.
Periakulam Tank	Repairing bund - Repairs	695	1	305 I
	Weir - Original works	195	2	
Kochunkan - Lam Tank	Repairing bund - Repairs	116	1	306 I
	Weir - Original works	119	2	
Kurinjani Kotum Tank	Repairing bund - Repairs	74	1	307 I
	Long time share Original works	84	2	
	Weir - do	42	3	
Shalcoolan Tank	Repairing bund - Repairs	158	1	308 I
	Weir - Original works	68	2	
Unidalan - Lam Tank	Repairing bund - Repairs	302	1	309 I
	Weir - Original works	112	2	

2 These sanctions are
registered as shown above.

Collected by Innerveley
Ch. for Irrig with 122.
T. K. D. A.
Revenue Dept

Dep. 9. 2. 77

By 25/1
[Signature]

[Signature]

CHP

27/3
G.O. of 1877 Madras.
PUBLIC WORKS.

To Mr. D. G. Sinnerelly

Dated

Issued

Recd.

Encl.

G. O. 7th Feb 1877, No. 423

Nos. 211 212

Sank. Sinnerelly & Co

The estimates amounting
to Rs. 2465 for repairs on
the station —, sanctioned.

Done in Rep.