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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No. <i>112 J</i>	Press
B.P. No. _____	Mis. _____
Dated <i>12-5-</i>	1876.

Not to be folded or roughly handled

*Proceedings of the Malacca Government, Public Works Department,
8th May 1876.*

Read the following :—

No. 30 W.

No. 77. *Not by the Chief Engineer for Irrigation.*

The following estimates from the Wallajah and Chittoor Ranges are forwarded by the District Engineer, North Arcot, No. 1,073, dated 24 March 1976, which is further marginally noted:—

Year		Volume	Work	Amount	Page No.
					1912-13
				85	
			South-western Tank	1,140	74 and 75
Wallaajah	...	...	Another Overy Tank	1,140	69 and 76
Comptroller	...	...	South-eastern Overy Tank of		
Palastoor	...	...	Barroery City	200	71 and 72
			Fourth Overy Tank	2,129	73 and 74
D.	...	...			

2. The proposed and hydraulic details of the Irrigation works concerned are exhibited in the following statement:—

I - Financial Data.

[illegible]

11.--11:30: 1st D.L.O's.

Name of Work	Contract Labor Area		Contract Labor		Estimated Labor		Actual Labor		Contract Labor Cost	Total Cost
	Contract Labor	Area	Contract Labor	Area	Estimated Labor	Area	Actual Labor	Area		
Reconstruction Work	3	1,000	3	1,000	3	1,000	3	1,000	1,410.5	2,410.5
Architectural Work	125	0.2	125	0.2	125	0.2	125	0.2	603.7	603.7
Preservation of Town of Eorating	25	0.08	25	0.08	25	0.08	25	0.08	475.1	475.1
Tramway Work	3	1,120	3	1,120	3	1,120	3	1,120	1,140.3	2,260.3

Notes:—The pro. and the concave of coracoid brought into line parallel to long axis. The os coracoid assumes the position of the fore wing above the scut. —C.—Coracoid with deep notch. W.—Wing with black cross. E.—Elbow, distal side level. E.—End of tibia.

Proceedings of the Madras Government, Public Works Department,
8th May 1876.

3. The following is a summary of the work proposed to be carried out in each case:
Seethanathan Tank.—This tank has one escape the length of which is 55 feet. An escape of 125 feet in length is proposed in addition, making an aggregate length of 180 feet available for the surplus discharge. The estimate provides for raising and strengthening the bund, closing the breach, repairing the sluice and the existing escape, and constructing a new rough stone escape.

Alathoor Oory Tank.—This tank has no permanent outlet, but surplus through a cut made at the end of the bund, which has been widened and deepened to such an extent that it is impossible to regulate the discharge any longer. The estimate provides for raising and repairing the bund and constructing a weir.

Sudagunta Tank of Bonavertypally.—This tank breached in two places during the heavy rains of 1874, and the sluice was carried away. The estimate provides for extending the existing weir, raising and sectioning the bund, and constructing an irrigation sluice.

Thattai large Tank.—This formerly a Dasabundam tank has been resumed by the Government, owing to the Dasabundamders failing to keep it in proper order. The estimate provides for raising and repairing the bund, closing the breach, and constructing an irrigation sluice and extending the existing weir.

4. 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	Item of Estimate	FUND.			
		Capital, Ordinary	Revenue		Total for each Tank, &c.
			Estimated and Improvements	Repairs	
		Rs.	Rs.	Rs.	Rs.
Seethanathan Tank	Raising and strengthening the bund closing the breach, and repairing the existing escape	—	—	920	1,140
	Constructing a new rough stone escape	—	250	—	1,140
Alathoor Oory Tank	Raising and repairing the bund and constructing a weir	410	—	—	1,140
Sudagunta Tank of Bonavertypally.	Raising and repairing the bund and closing the breach	—	—	170	—
	Constructing an irrigation sluice in place of the old one	—	60	—	320
	Extending the existing weir	125	—	—	320
	Raising and repairing the bund and closing the breach	—	—	1,010	—
Thattai large Tank	Constructing an irrigation sluice to replace the one which was washed away	—	220	—	9,340
	Extending the existing weir	—	—	—	9,340

The proposed outlay on the Seethanathan Tank amounts to nearly seven years average revenue, but if the full ayacut assessment is realized, the increased revenue will yield a return of about 11 per cent. on the proposed expenditure. The return on the proposed outlay on the Sudagunta Tank of Bonavertypally will be about 10 per cent. if a similar result is secured.

For St. George,
28th April 1876.

(Signed) A. McC. SCOTT, Major, R.E.,
Deputy 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,
24th May 1876.

No. 78.

ORDER THEREON, 5th May 1876, No. 1,120.

IRRIGATION, No. 11.

Account.

No. 50 W, dated 28th April 1876.

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

Name of Work	Item of Estimate	Fund	Amount	Estimated by
Seethanathan Tank	Raising and strengthening the bund, closing the breach, and repairing the existing escape.	Revenue Estimate	920	231
	Constructing a new rough stone escape.	Revenue Estimate and Improvements	250	231
	Extending the existing weir.	Revenue Estimate	125	231
Alathoor Oory Tank	Raising and repairing the bund and constructing a weir.	Capital Ordinary	410	231
	Constructing an irrigation sluice in place of the old one which was washed away.	Revenue Estimate and Improvements	60	231
Sudagunta Tank of Bonavertypally	Raising and repairing the bund and closing the breach.	Revenue Estimate	170	231
	Constructing an irrigation sluice in place of the old one which was washed away.	Revenue Estimate and Improvements	125	231
	Extending the existing weir.	Capital Ordinary	125	231
Thattai large Tank	Raising and repairing the bund and closing the breach.	Revenue Estimate	1,010	231
	Constructing an irrigation sluice to replace the old one which was washed away.	Revenue Estimate and Improvements	220	231
	Extending the existing weir.	Capital Ordinary	—	231

2. These sanctions are registered as shown above.
(True Extract.)

Colonel,
Offy. Under Secy. to Govt., P.W.D.

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

For F. C. Shuckler,
Spare Copies

28th April 1876.

No 5014.

Attest, the Chief Engineer for Irrigation.

No 4073
Dated 2nd April 76
Encls. 26.

The following Estimates from the Kallayak & Chittur Ranges are forwarded by the District Engineer, North Arcot, with his letter marginally noted:—

Station	Work	Amount	Estimated
Kallayak	Sethuramathur Tank	1180	74.75
Goorinthum	Alathur Chay Tank	1140	59.75
Paluram	Lualagumbe Chay Tank of Bomayyapully	300	71.72
do	Thurthum Large Tank	2380	73.74

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

I.—Financial Details.

Name of Work	Acreage	Average Revenue for 5 years	Highest Revenue for 5 years	Duration of previous years	Outlay			
					Capital	Revenue	Interest	Per cent.
Sethuramathur Tank	81	305	72	-	-	1180	1180	117
Alathur Chay Tank	57	464	433	-	410	730	730	53.0
Lualagumbe Tank of Bomayyapully	12	57	27	-	155	145	145	23.2
Thurthum Large Tank	50	377	375	-	600	750	750	23.0

Name of Work.	Maximum Supply				Length of Escap.		Average Height of Bund		Surplus discharged at		Tackable
	Cap. out	Basin	Charged	per second	Total	Effective	Above F. T. L.	Above M. T. L.	M. T. L.	per Sec.	
	Sq. Ft.	Ac.	Cu. Ft.	Sec.	Feet	Feet	Feet	Feet	Cu. Ft.	No.	
Sethanamatham Tank 3 1/2 34					2 35	35	2.16	0.0	338		1
Kathoor Mary Tank 1 75 817					2 25	25	3.5	1.5	0.0		
Lualagunda Tank of Bonavarypully 75 464					11 28	28	3.0	1.0	264		
Thurthum large Tank 3 1170					11 52	52	2.4	1.4	513		

N. B. - The figures in the column of surplus are based on the data of land and are subject to change. The figures in the column of surplus are based on the data of land and are subject to change. The figures in the column of surplus are based on the data of land and are subject to change.

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

Sethanamatham Tank. This tank has one escape the length of which is 35 feet. An escape of 125 feet in length is proposed in addition making an aggregate length of 160 feet available for the surplus discharge. The estimate provides for raising and strengthening the bund, closing the breach, repairing the sluice and the existing escape and constructing a new rough stone escape.

Kathoor Mary Tank. This tank has no permanent outlet for surpluses through a cut made at the end of the bund which has been widened and deepened to such an extent that it is im-

possible to regulate the discharge any longer. The estimate provides for raising and repairing the bund, and constructing a weir.

Lualagunda Tank of Bonavarypully. This tank breached in two places during the heavy rains of 1974 and the sluice was carried away. The estimate provides for extending the existing weir, raising and pecking the bund and constructing an irrigation sluice.

Thurthum large Tank. This, formerly a Dacabandhu tank, has been resumed by the Government owing to the Dacabandhus failing to keep it in proper order. The estimate provides for raising and repairing the bund, closing the breach and constructing an irrigation sluice and extending the existing weir.

The following statement shows the proposed distribution of the money recommended for sanction to the debit of the several heads of account indicated.

Name of Tank.	Item of Estimate.	Amount			
		Capital	Revenue	Grants	Total
Sethanamatham	Raising and strengthening the bund, closing the breach and repairing sluice and Kalingalish				920
	Constructing a loose stone escape				260
					1180

Name of Tank. Item of Estimate. Amount.

Methuray Tank	Raising and repairing the bund.	730
	Constructing a Weir.	120
Lualaba Tank, of Bonavipully.	Raising and repairing the bund and closing breaches.	100
	Constructing an Irrigation sluice in place of the old one.	45
	Extending the existing weir.	155
Kanthum large Tank.	Raising and repairing the bund and closing the breach.	1050
	Constructing an irrigation sluice to replace the one which was washed away.	730
	Extending the existing weir.	2350

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The proposed outlay on the Kanthumathani tank amounts to nearly 7 years average revenue, but if the full Assent assessment is realized, the increased revenue will yield a return of about 11 per cent on the proposed expenditure. The return on the proposed outlay on the Lualaba Tank of Bonavipully will be about 10 per cent, if a similar result is secured.

Done at
 Major R.
 Deputy Chief Engineer for Irrigation
 for Chief Engineer for Irrigation.

To the Secretary to Govt
 P. H. D.

1000

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WORKER CASES

Current No

of 157

Current No

3396

From

The Chief Engineer
for Irrigation

No. 50 W.

Dated 28th April

1878

Recd. 10th May

Subject:-

Note on letter from
the District Eng^r North West,
forwarding plans and estimates
for improvements and repairs
of certain tanks.

Enclosures 26

From

To

Orders and Proceedings in file.

DEPARTMENTS			ENCLOSURES		
Dept.	No.	Date	Dept.	No.	Date

WORKER CASES

Current No

of 157

From

To

Orders and Proceedings in file.

DEPARTMENTS			ENCLOSURES		
Dept.	No.	Date	Dept.	No.	Date

No 1120 of 8th May 1878

The following Estimates for Irrigation
works in the Kallak & Chittar Ranges
North West District, forwarded by the
Chief Engineer for Irrigation with his Memo.
marginally noted are sanctioned —

No 50 W.

Dated 28th April 1878

Name of Work		Part of Estimate		Amount	Irrigation Registry No.
Kallak Range Tanks.	Repairing the bund, closing the branch & repairing pipes and lining gates.	Revenue Repair	720	27	32
	Constructing a long pipe across the range.	Revenue Repair & Improvement	260	31	
Chittar Range Tanks.	Repairing the bund & constructing a new.	Revenue Repair	730	34	34
	Constructing a new.	Capital Expenditure	600	34	
Chittar Range Tanks.	Repairing & repair- ing the bund & closing branches.	Revenue Repair	100	25	35
	Constructing an irrigation ditch in place of the one which was washed away.	Revenue Repair & Improvement	45	25	
Chittar Range Tanks.	Repairing & repair- ing the bund & closing the branch.	Capital Expenditure	155	25	36
	Constructing an irrigation ditch to replace the old one washed away.	Revenue Repair	1050	26	
Chittar Range Tanks.	Repairing & repair- ing the bund & closing the branch.	Revenue Repair & Improvement	730	26	37
	Constructing an irrigation ditch to replace the old one washed away.	Capital Expenditure	600	26	

2. These sanctions are registered
as shown above.

20.4.78

11.11.78

Amr

D. E. K. Amr.

Collection - do -

C. E. for J. with 26 Enclos

8.11.78

Ken Duff

Amr

3375V

GOVT. OF MONTANA
PUBLIC WORKS.

Re. M. R. McLaughlin

July 11/20

No 77-78

Migration Notes

Estimates for cattle

— in the Yellowstone

and other ranges, in

Mont. & Idaho

W. B. Smith
July 11/20