

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	3380	Press
~~B.P. No.~~		~~Mis.~~
Dated	12-12	4876
		195

Not to be folded or roughly handled

No. 282. Read the following endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 7th December 1876, No. 286 W :—

From Captain R. R. E. BROCKMAN, R.E., District Engineer, Tanjore, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Camp at Vennar Head, 11th October 1876, No. 1,951.

In reference to your memorandum, No. 11 TJ, dated 20th July 1876, I have the honor to forward herewith the return of tanks in the district affecting the railway for the half-year ending 30th June 1876.

2. The entries in column 12 "capacity when full" against tanks Nos. 8 and 14, in column 5 "area in catchment basin square miles" against tanks Nos. 27 and 29, and in column 12 "area of tank" against tank No. 35, differ from the entries in the return last submitted. The Range Officer on being called upon to explain the difference reports that the figures in the former statement submitted by him are wrong owing to errors in copying.

3. Since the submission of the last return but little has been done towards the improvement of the tanks, the earthwork repair of tanks Nos. 9, 27, 31, 32 and 34 having since been undertaken; but special attention will be given to the subject for the future, and a few tanks will be taken up each year and thoroughly repaired and provided with the necessary works, &c.

TANJORE DISTRICT.
Return of Tanks affecting Lines of Railway for the half-year ending 30th June 1876.

District.	Line of Railway.	Point at which surplus crosses.	Names of Tanks.	Area of Catchment Basin, Square Miles.	Estimated Maximum Flood Discharge, Cubic Feet a Second.	Intended Maximum Depth of Water on Crest of Surplus Weir.	Length of Surplus Weir required.	Length of Existing Calingulahs and Surplus Weirs.		Additional length of Surplus Weir required.	Height of Top of Dam and Bund above Weir Crest.		Approximate or Actual.		Special Remarks.	General Remarks.
								Total.	Effective.		Top of Dam	Stones.	Area of Tank.	Capacity when full.		
(Continued).	(Continued).	M. 38	Thonpatti vari (1)	1	450	2	47	..	..	47	..	..	60-35	13,146,480	No calingulah; repairs to the bank are required.	In column 5 the areas in small type are the approximate areas of catchment basin due to the tank itself; those in large type the accumulated areas of the several catchment basins of the chain that surplus into it. Figures in large type in column 12 denote approximate average depth of tank.
		56	Periakulam vari of Chitragudy. (2)	1½	589	2	62	..	..	62	..	..	74-89	13,045,824	Banks require repair and one calingulah is wanted.	.....
		58	Alayakudy vari of Villovaroyampatty. (3)	½	283	2	30	..	..	30	..	..	32-62	5,706,360	.....	.....
		60	Peria vari of Poonganoor. (4)	½	283	2	30	30	24½	5½	4	1	113-22	29,592,486	Bank repairs and one sluice required.	The additional length can be obtained by removing the stones.
(Continued).	(Continued).	..	Serookulam of Poonganoor. (5)	½	178	2	19	..	..	19	..	..	39-59	8,608,645	Bank requires repair and a calingulah is wanted.	....

..	Vallamathur vari of Moothooveracundin-putty. (6)	369	2	39	30	26	13	2	(-)	1	250-85	32,782,320	Banks require repair	..	Remove the stones. Receives surplus of 7.
..	Salpary vari of Kangianputty. (7)	178	2	19	1..	..	19	..	..	..	63-62	11,086,020	No calingulah. Bank requires raising.	....	
..	Modakudi vari of Veeramarasempatty. (8)	689	2	62	..	..	62	..	..	..	9-12	1,192,455	Bank requires repair and a sluice and calingulah are wanted.	Receives the surplus of 9 and 10.	
60	74 Yedakudi vari of Avurampatty. (9)	450	2	47	24	20½	23	4	1½	1	49-72	7,561,073	Estimate Rupees 405 Five-eighths work done.	Receives the surplus of 10.	
..	Muthalakoorochy vari of Avurampatty. (10)	354	..	30	24	19½	6	3	1	1	43-57	7,592,508	....	Remove the stones.	
..	Mathur vari and Poondocolum of Veeramarsempatty. (11)	589	2	62	24	20½	38	1	(-)	2	283-5	37,047,780	The banks require repair and another sluice is wanted.	.....	
..	Cholaganary of Vinmore putty. (12)	450	2	47	..	..	47	..	..	..	42-65	8,350,253	Banks require repair and a calingulah is necessary.	Receives the surplus of 13.	
..	Appaygoody vari of Kanathanamungalum. (13)	283	2	30	..	..	30	..	..	..	7-8	1,019,304	Do. do.	....	
..	Kanatha vari of do. (14)	721	2	63	..	..	63	..	..	..	49-42	10,546,965	Do. do.	Receives the surplus of 15, 16 and 18	
..	Sandan vari of Kangien-putty. (15)	450	2	47	..	..	47	..	..	..	52-92	9,221,652	Two sluices and a calingulah are required, and the banks require repair.	Do. of 18.	
..	Thondicholagur vari of Vendumpatty. (16)	283	2	30	..	..	30	..	..	..	25	3,267,000	Repairs to bank necessary. One sluice and a calingulah required.	Do. of 17.	
..	Kanachy vari of Vendi-umpatty. (17)	178	2	19	..	..	19	..	..	..	4	435,000	Do. do.	....	

Return of Tanks affecting Lines of Railway for the half-year ending 30th June 1876—(Continued).

Proceedings of the Madras Government, Public Works Department,
12th December 1876. No. 3,380.

District.	Line of Railway.	Point at which surplus crosses.	Names of Tanks.	Area of Catchment Basin, Square Miles.	Estimated Maximum Flood Discharge, Cubic Feet a Second.	Intended Maximum Depth of Water on Crest of Surplus Weir.	Length of Surplus Weir required.	Length of Existing Calingulams and Surplus Weirs.		Additional length of Surplus Weir required.	Height of Top of Bund Above Weir Crest.		Approximate or Actual.		Special Remarks.	General Remarks.
								Total.	Effective.		Weir Crest.	Top of Dam.	Area of Tank.	Capacity when full.		
						FEET.										
			Valupetty yari.. (18)	1	178	2	19	..	..	19	..	..	4	2 1/2 435,600	Repairs to bank necessary. One sluice and a calingulah required.	....
			Yela yari of Manurputty. (19)	1 1/2 (21)	838	2 3"	73	..	..	73	..	..	79-33	3' 10,368,000	Do. do.	Receives the surplus of 20, 21 and 23.
			Karamba yari.. (20)	1 1/2 (22)	721	2	75	24	20 1/2	51	3	1 1/2	66-11	4' 11,520,000	The banks and masonry works require repair.	Do. of 21, 22 and 23.
			Pullan yari.. (21)	..	..	..	..	..	..	..	..	..	10	3 1/2 1,633,500	A calingulah, and repairs to the bank required.	Do. of 22, 23.
			Naughi yari.. (22)	1 (11)	589	..	..	81	68 30	..	1 1/2	(-1) 1/2	440	4 1/2 86,238,800	Bank repairs required	Do. of 23.
			Palagoody yari.. (23)	1 1/2 (12)	178	2	19	..	..	19	..	..	112	3' 14,536,160	A calingulah is required and slight repairs to the bund.	....
			Vellanbangoodi yari.. (24)	1 1/2	233	2 3"	25	25	19 1/2	..	1 1/2	(-1) 2	9-81	3' 1,232,800	Repairs to the bund required.	Remove the stones.
			Songaren yari.. (25)	1 1/2	522	2	54	..	..	54	..	..	52-4	3 1/2 10,287,000	No calingulah, but an estimate for one has been submitted. The banks are in good order.	....
			Mulla yari.. (26)	1	178	2	19	..	..	19	..	..	20-00	3' 2,613,600	No calingulah, the bank is low throughout, and requires immediate repair.	....

(Continued).

Proceedings of the Madras Government, Public Works Department,
12th December 1876. No. 3,380.

62	35	Ravarumputty yari of Moothooveera Candimputty. (27)	1 1/2	450	2	47	..	..	..	47	..	..	126-32	3 1/2	17,851,860	Estimate Rupees 410; work completed and a calingulah is wanted.	....
..	..	Marothan yari of Koonumputty. (28)	1 1/2	589	2	62	..	..	..	62	..	..	62-80	3'	6,901,200	Bank requires repair and a calingulah is wanted.	29 Receives surplus of 28 and 30.
..	..	Palachalam yari of Marandiputty. (29)	1 1/2	936	3	54	..	..	..	54	..	..	39-60	3'	6,184,000	Do. do.	28 and 30 each may be taken to receive half the surplus of 33, 32 and 31.
..	..	Kalari yari of Caricaputty. (30)	1 1/2	536	2	56	..	..	..	56	..	..	52-8	3 1/2	8,618,832	A calingulah and a sluice are wanted, and the banks require repair.	....
..	..	Aramoondan yari (31)	1 1/2	589	2	62	30	20 1/2	32	32	2	1 1/2	9-64	3'	1,200,900	Bank requires repairs. Estimate Rupees 190 in progress.	Receives the surplus of 33 and 32.
..	..	Allady tank (32)	1 1/2	589	2	62	..	..	..	62	..	..	8	3'	1,046,440	Estimate Rupees 190 in progress.	Receives the surplus of 33.
..	..	Soongoodiyari (33)	1 1/2	369	2	39	24	22	15	4 1/2	2	2	150	5 1/2	35,503,000	The bank repaired last year.	Remove the stones and erect a second calingulah.
63	9	Kodangun yari of Kangienputty. (34)	1 1/2	1,566	2' 6"	112	..	..	..	112	..	..	186-23	6'	48,691,368	Estimate Rupees 600; one-fourth work completed.	Receives the surplus of 36, 35, 37, 39, 40, 41, 42, 44 and 45.
..	..	Kamatipoorthy yari (35)	1 1/2	178	2	19	..	..	..	19	..	..	25-92	4 1/2	4,690,674	Bank requires repair; one sluice and one calingulah are required.	....
..	..	Thondaman yari of Sorakoodiputty. (36)	1 1/2	178	2	19	..	..	..	19	..	..	48-02	3'	6,275,907	Do. do.	....
..	..	Vendienputty yari. (37)	2 1/2	1,666	2' 6"	118	30	24 1/2	88	88	1	1 1/2	150	6'	29,322,000	Bank requires repairs	Receives the surplus of 40, 41, 42, 39, 46, 44 and 43.
..	..	Voorathi yari (38)	1 1/2	178	2	19	..	..	..	19	..	..	85	3'	11,107,800	Bank repairs necessary and a calingulah is required.	....
..	..	Perraghur yari (39)	1 1/2	589	2	62	..	..	..	62	..	..	60	4 1/2	9,801,000	Do. do.	Receives surplus from 45 and 44.
..	..	Neppan yari (40)	1 1/2	589	2	62	24 1/2	21	37 1/2	37 1/2	1 1/2	(-1) 2	174	6'	45,476,640	Banks require repair	Do. from 41 and 42.

Proceedings of the Madras Government, Public Works Department,
12th December 1876. No. 3,380.

1	2	3	4	5	6	7	8	9		10	11		12		13	14
District	Line of Railway.	Point at which surplus crosses.	Names of Tanks.	Area of Catchment Basin, Square Miles.	Estimated Maximum Flood Discharge, Cubic Feet a Second.	Intended Maximum Depth of Water on Crest of Surplus Weir.	Length of Surplus Weir required.	LENGTH OF EXISTING CALINGULAHS AND SURPLUS WEIRS.		Additional length of Surplus Weir required.	HEIGHT OF TOP OF BUND ABOVE WEIRS.		APPROXIMATE OR ACTUAL.		Special Remarks.	General Remarks.
								Total.	Effective.		Weir Crest.	Top of Dam.	Area of Tank.	Capacity when full.		
M. CHS.	..	..	Maruvathi vari (41)	1 1/2	369	2	39	..	..	39	..	..	63	4 1/2 12,349,260	Not repaired for fifteen years and a calingulah is required.	Receives the surplus of 42.
..	..	..	Valumoothoo vari (42)	1 1/2	178	2	19	..	..	..	..	..	135	6' 35,283,600	Do. do.	....
..	..	..	Davarayan vari (43)	1 1/2	..	..	..	48	41	..	4	1 1/2	600	9' 23,522,400	Belongs to the Trichinopoly District.	....
..	..	..	Navalore vari (44)	1 1/2	283	2	30	26	20	4	1 1/2	(-)	119-93	6' 31,345,920	Banks must be repaired, as at present the surplus passes over them.	....
..	..	..	Puckkudi vari (45)	1 1/2 (2)	721	2	75	..	..	75	..	..	61-98	4 1/2 12,150,000	A calingulah is necessary and the bank requires repairs.	Receives the surplus of 44 and 43.
65 9	..	..	Peria vari of Thondamanpatty. (46)	1 1/2 (2)	721	2	75	..	..	75	..	..	347-94	7 1/2 113,094,828	Do. do.	....
South Indian Railway—(Continued).																
Tanjore—(Continued).																

VENNAR HEAD,
11th October 1876.

(Signed)

R. R. E. BROCKMAN, Captain, R.E.,
District Engineer of Tanjore.

Proceedings of the Madras Government, Public Works Department,
12th December 1876. No. 3,380.

SUBMITTED for the information of Government. Forty-six tanks are reported on. Of these forty require additional length of surplus weir. In the case of seven the work of repair is in progress or estimated for, but very little is apparently being done towards supplying the surplus works.

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

No. 283. ORDER THEREON, 12th December 1876, No. 3,380.

IRRIGATION, No. 27.

RECORDED.

2. The District Engineer, Tanjore,
should direct his attention to the work of
rendering these tanks safe as soon as practicable.

(True Extract.)

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

To the District Engineer, Tanjore.

„ Chief Engineer for Irrigation.

„ Revenue Department.

„ Consulting Engineer for Railways.

Exd. E. C. Shunker.

Spare Copies

Letter from the District Engineer, Tanjore,
dated 11th October 1876, N^o 1951, forwarding
Return of Tanks affecting Railways

N^o 28621

Submitted for the informa-
tion of Government. Forty six
tanks are reported on. Of these forty
require additional length of
surplus weir. In the case of seven
the work of repair is in progress
or estimated for but very little
is apparently being done towards
supplying the surplus works.

Ans. Sett.

Major A. B.

Asy. Chief Engineer for Dist.
for Chief Engineer for Dist.

Fort St George
7th Decr. 1876

GD/3-11-74 No 3210.

" 14-12-74 - 1040.

" 21-9-75 - 2760.

" 25-7-76 - 1887.

P.W.D.

7 DEC 76

No. 8509

From

The Ch. Engr. for Sarg.

The Secy to Govt P.W.D.

Dated 7-3 Dec/76
Secy 18-3 Dec/76

No 286 N.

Encls 2.

Return of Tanks affecting
Rep. Endorsement on
letter No 1957 dt 11 Oct 76
from Ch. Engr. Tanjore,
forwarding the -

No 282/

9-12-76

(1) E. I. Form No. 23.

No 3380

Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 12 Dec/76

Read the following:-

Endorsement of the
Ch. Engr. for Sarg. { K.E. No. 286 N. 7 Dec/76
that will be done

Recorded.

The District
Engineer, Tanjore, should
direct his attention
to the work of rendering
these tanks safe as
soon as practicable.

Recd
Mr. 7/12

A. S. Tanjore ✓
Ch. Engr. for Sarg. ✓
Revenue Dept. ✓
C. Engr. for Sarg. ✓

Engr. Secy

Dated 29/12/76

8899
Govt. of 1876 Madras.
PUBLIC WORKS.

To
Mr. D. S. Sanyal

Dated.

Issued

Recd.

Encl.

G. O. 12th Nov. 1876, No. 3380

Nos.

Public Works Department
in the Sanyal List
The return of — for the
year 1876-77 is
referred to the Sanyal

Sent in Ref.

N^o 282/3