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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No. 1119 Press
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Not to be folded or roughly handled

1119.

Proceedings of the Madras Government, Public Works Department, — 19*th April* 1876.

No. 248. Read the following endorsement of the Chief Engineer for Irrigation, dated Fort St. George, 13th April 1876, No. 37 W.:—

From Colonel C. V. WILKIESON, R.E., Superintending Engineer, Coimbatore, to Lieutenant-Colonel J. MULLINS, R.E., Chief Engineer for Irrigation, dated Coonoor, 4th April 1876, No. 2.

I HAVE the honor to forward the Return of Tanks affecting the lines of Railways for the half-year ended 31st December 1875, which, I am aware, is still incomplete, but as I do not like to delay it any longer I now submit it. I have now nearly all the tank surveys in hand, and hope to send my next Return complete or nearly so.

One Statement.

2/1119

Return of Tanks affecting Lines of Railway for the Half-year ended 31*st December* 1875, *prepared with reference to G.O., No.* 3,210, *dated* 13*th November* 1874.

District.	Line of Railway.	Point at which Surplus Crosses. Miles.	Chains.	Names of Tanks.	Area of Catchment Basin, Square Miles.	Estimated Maximum Flood Discharge, Cubic Feet per Second.	Intended Maximum Depth of Water on Crest of Surplus Weir.	Length of Surplus Weir required.	Length of existing Calingulars and Surplus Weirs. Total.	Effective.	Additional Length of Surplus Weir required.	Height of Top of Bund above. Weir Crest.	Top of Dam Stones.	Approximate or Actual. Area of Tank.	Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
Coimbatore.	South-West Line.			*Noyel River, Right Bank.*													
		301st and 85th chain from Madras to Calicut.		Coorchy Tank.	Approximate Area 1½ sq. miles. This tank supplied by Noyel River and surplus of Cooneamoottoor Tank.	637 c. ft. per second.	2 feet.	50 feet.	49 feet.	49 feet.	None.	4 feet.	No dam stones.	375 Acres.	1,512,500 cubic yds.	Government Tank.	Revetment in very good order, and the tank is in safe condition.
		Above Coorchy Tank.		Cooneamoottoor Tank.	Approximate Area 1½ sq. miles. This tank supplied by Noyel River through Peroor Tank.	...	...	...	...	...	...	...	...	...	...	Government Tank. In good order and exceedingly shallow and insignificant.	The other information will be given in next Return. Delayed owing to the Subordinate Officers of this taluq were engaged in preparing roads, &c., for the reception of His Royal Highness the Prince of Wales.
		Above Cooneamoottoor Tank.		Peroor Tank.	This tank is supplied from Noyel River.	...	...	...	...	...	...	...	...	...	...	Government Tank. In good order.	Vide remarks of Cooneamoottoor Tank.
		301	...	Agraravellalore Channel.	This tank is supplied from Noyel River.	...	...	...	...	...	...	...	...	...	...	Government.	Vide remarks of Cooneamoottoor Tank. An estimate for a head sluice is under preparation.
		This tank is situated above the South-West Line.			*Noyel River, Left Bank.*												
		...	...	Coimbatore or Periacolum Tank.	Supplied by a channel from Noyel River and surplus water of 4 or 5 tanks above.	880 ft.	Average 1½ feet.	208 feet	215 feet.	208 feet inclusive of a gap of 165 feet long made in the bund at the extreme end of the tank to a level of 1 foot above the cill of the calingulah.	...	5 feet.	4 feet.	1,465,880 sqr. yards.	2,744,000 cubic yds.	Government Tank. Receives its supply from a channel at an ordinary flood 819 cubic feet per second and has a connection with the Valancolum by a tunnel, the floor level of which is 5 feet below the cill of the calingulah.	The surplus water through the calingulah and the gap flow directly into the Noyel River; a head sluice to the Coimbatore channel is being constructed.
	Nellgherry Branch Line.	This line crosses in the centre of the tank at 305	16	Valancolum Tank.	Receives supply from the Periacolum tank through a tunnel.	880 ft.	2 feet.	33 feet.	40 feet.	33 feet.	...	5 feet.	4 feet.	823,600 sqr. yards.	1,721,000 cubic yds.	Government Tank. The Railway embankment across this tank is 6 feet above the cill of the calingulah and has stone revetment on both side slopes.	The surplus water from this tank flows into the Singanellore Tank.
	These tanks are situated above the South-West Line.	...	...	Chelvachintamany Tank.	These receive their supply directly from the Noyel River bank.	...	...	...	...	...	...	...	...	...	...	All are Government tanks and are in order.	The other information will be given in next Return. Delayed owing to the Subordinate Officers of this taluq were engaged in preparing roads, &c., for the reception of His Royal Highness the Prince of Wales.
		...	...	Comarasawmy Tank.		...	...	...	...	...	...	...	...	...	...		
		...	...	Chelvamboody Tank.		...	...	...	...	...	...	...	...	...	...		
		...	...	Kristnamboody Tank.		...	...	...	...	...	...	...	...	...	...		
		...	...	Nursamboody Tank.		...	...	...	...	...	...	...	...	...	...		

Return of Tanks affecting Lines of Railway for the Half-year ended 31st December 1875, &c.—(Continued.)

District.	Line of Railway.	Point at which Surplus Crosses. Miles.	Chains.	Names of Tanks.	Area of Catchment Basin, Square Miles.	Estimated Maximum Flood Discharge, Cubic Feet per Second.	Intended Maximum Depth of Water on Crest of Surplus Weir.	Length of Surplus Weir required.	Length of existing Calingulahs and Surplus Weirs. Total.	Effective.
1	2	3		4	5	6	7	8	9	
Coimbatore.—(Continued.)	South-West Line.—(Continued.)	This line crosses in the centre of the land and the North Calingulah surplus at 293	34½	*Noyel River, Left Bank.*—(Contd.) Singanellore Tank.	Approximate Area 2 square miles. This tank is also supplied by a channel from Noyel River.	957 c.ft.	2½ c. ft.	The existing length is sufficient.	North Calingulah 52 feet.	45½ feet.
		South Calingulah surplus falls direct into Noyel River.							South Calingulah 33½ feet.	28 "
		296th mile.		Irgoor Channel ...	From Noyel River.	...	...	...	...	...
		North-east Calingulah 291	72	Nelambore Tank.	Approximate Area 3½ square miles.	4,500 cubic feet per second.	2 ft.	500 ft.	North-east Calingulah 71 feet, South-east Calingulah 106 feet, and a gap 200 feet long is cut at the South-west end of the bank as a safety valve in case of any extraordinary floods.	The above 3 openings are effective.
		South-east Calingulah 293	44							
		Situate above this line.		Annoor Tank ...	...	...	...	...	...	...
				Avenashy do. ...	...	...	...	...	...	...
				Sovoor do. ...	...	...	...	...	...	...
				Poodoor Tank ...	12½ / 40½	1,273	2 ft.	125 ft.	129 ft.	129 ft.
				Total ...	53					
		293	45	Vadamoogamkonghiempolliem Tank.	5 / 13	864	1½ ft.	137 ft.	145 ft.	135 ft.
				Total ...						

Additional Length of Surplus Weir required.	Height of Top of Bund above. Weir Crest.	Top of Dam Stones.	Approximate or Actual. Area of Tank.	Capacity when full.	Special Remarks.	General Remarks.
10	11		12		13	14
None	5½ feet.	North Calingulah 3½ feet. / South Calingulah 3½ feet.	(253) Approximate Acres.	1,095,453 cubic yards.	Government Tank. Revetment and bank are in good order.	An estimate for constructing a head sluice to the channel has been submitted, and the work is in progress.
...	...	...	...	...	Government Channel ...	Information will be supplied in next Return. *Vide* remarks of Coonamootloor Tank.
100 feet.	4 feet above lowest point in the bank.	No dam stones.	Approximate, 205 Acres.	Approximate 859,660 cubic yards.	Government Tank, is in fair order.	This tank intercepts a jungle stream which takes its rise a few miles to the south-east of Tudialoor on the Metupolliem road with a course of about 10 miles before entering the tank, and also another small stream.
...	...	...	...	...	Government Tanks...	The other information will be given in next Return.
...	...	...	...	...		
...	...	...	...	...		
...	6½ ft.	...	1,052,658 square yds.	1,417,934 cubic yards.	Government tank. Repaired last year and is in good order.	Capacity of the tank is taken at the cill; any water in excess of this is allowed to pass away over the two calingulahs, 61 and 78 feet wide. Catchment basin, 12½ square miles, drains direct into a tank, 40½ square miles of drainage of 5 tanks above belonging to this series.
...	2½ ft.	1 ft.	326,203 square yds.	405,914 cubic yards.	Government tank; is in unsafe condition. Estimate will be submitted shortly to put this in good order.	There are two calingulahs 62 and 85 feet wide. Catchment basin, 3 square miles, drains directly into tank; 15 square miles, the drainage of 1 tank above, belonging to this series.

Proceedings of the Madras Government,

Public Works Department, 19*th April* 1876.

Return of Tanks affecting Lines of Railway for the *Half-year ended* 31*st December* 1875, &c.—(Concluded.)

District.	Line of Railway.	Point at which Surplus Crosses. Miles.	Chains.	Names of Tanks.	Area of Catchment Basin, Square Miles.	Estimated Maximum Flood Discharge Cubic Feet per Second.	Intended Maximum Depth of Water on Crest of Surplus Weir.	Length of Surplus Weir required.	Length of existing Calingulahs and Surplus Weirs. Total.	Effective.	Additional Length of Surplus Weir required.	Height of Top of Bund above. Weir Crest.	Top of Dam Stones.	Approximate or Actual. Area of Tank.	Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
Coimbatore.—(*Concluded.*)	South-West Line.—(*Concluded.*)			*Noyel River, Left Bank.*—(Concld.)													
				Soondakapolliem Tank.	1½	720	2 feet.	73 feet.	77 feet.	77 feet.	...	5½ feet.	...	776,800 sqr. yds.	524,855 cubic yds.	Government Tank. Repaired in last year, and is in good order.	The surplus water flows into Vadamoogamkonghiempolliem Tank.
				Kanathampolliem Tank.	2¾	360	1½ „	57 „	80 „	73 „	...	3 „	1½ feet.	878,158 sqr. yds.	331,979 cubic yds.	...	There are four small calingulahs, 18, 11, 28, and 29 feet wide. Catchment basin 2½ square miles drain directly into tank, and 5 square miles of drainage of one tank above belonging to this series.
		263	45	Total ...	4¼											Government Tanks, are in unsafe condition. Estimates for putting them in order will be submitted shortly.	
				Vellaravelly Tank.	5	240	1½ „	33 „	44 „	44 „	...	2½ „	...	284,240 sqr. yds.	184,358 cubic yds.	...	The surplus water drains into Kavathampolliem Tank.
				Koonathoor Tank.	10	480	1½ „	76 „	179 „	179 „	...	4½ „	...	629,519 sqr. yds.	580,565 cubic yds.	Government Tank. Repaired in last year and in good order.	There are two calingulahs 57 and 22 feet wide. The surplus water flows into Pootoor Tank.
		262	37	Dalavayputnum Tank.	10	480	2 „	54 „	65 „	55 „	...	6½ „	5 feet.	412,603 sqr. yds.	558,475 cubic yds.	...	The Dam stones not being allowed to be used.
		263	45	Chengapully Tank.	13	768	1½ „	122 „	168 „	168 „	...	6 „	...	357,540 sqr. yds.	857,540 cubic yds.	Government Tanks, and were repaired in last year. These are in good order.	
	Great Southern of India Railway.	In the Trichinopoly District.	...	Oppadimangalum Tank.	...	...	...	...	...	...	...	...	...	...	...	Government Tank. The bund is in good order and its calingulah is a very effective one.	The surplus from this tank does not directly cross the line but enters a tank in the Trichinopoly District and the surplus from which crosses the Railway. A survey of this tank has not yet been made.

Coonoor,
4*th April* 1876.

(Signed) C. V. WILKIESON, Colonel, R.E.,
Superintending Engineer, Coimbatore.

Proceedings of the Madras Government, Public Works Department,
19*th April* 1876.

FORWARDED for the information of Government.

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

No. 249. ORDER THEREON, 19th April 1876, No. 981.

IRRIGATION, No. 16-A.

ORDERED to be recorded.

(True Extract.)

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

To the District Engineer, Coimbatore,
„ Collector of do.
„ Chief Engineer for Irrigation.
„ Consulting Engineer for Railways,
„ Revenue Department.

Exd. T. O'Connor.

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PUBLIC WORKS.

To

THE DISTRICT ENGINEER,
COIMBATORE,
&c., &c., &c.

Dated April 1876.

Read

Read 12 January 1876 ; Do.

G. O., Pub. A., 27 1876, No. 94.

APRIL.

Nos. 213-219

Reports of Tanks affecting the Railway Lines in the Coimbatore District—Enlargement of the Chief Engineer for Irrigation's estimates, — for the repair of certain tanks breached by December 1875, rejected.

No 1119
Communicated to the
Board of Revenue -

11 Feb. Bandobast Rs 64 17 Chuy