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MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

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Proceedings of the Madras Government, Public Works Department,
23rd August 1875.

Read the following papers :—

No. 387. From Major J. N. HUNTER, R.E., District Engineer of Salem, to Major J. O. HASTED, R.E., Officiating Chief Engineer for Irrigation, dated Salem, 27th July 1875, No. 35.

WITH reference to your printed memorandum, No. 1,040, dated 14th December 1874, I have the honor to forward return of tanks affecting lines of Railway for the half-year ended 30th June 1875, prepared with reference to G. O., No. 3,210, dated 13th November 1874.

SALEM DISTRICT.

No. III. or Tripatore Range.

Return of Tanks affecting Lines of Railway for the half-year ended 30th June 1875, prepared with reference to G. O., No. 3,210, dated 13th November 1874.

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
							FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	ACRES.	C. FDS.		
Madras Railway.		123	23	*Vepumpett Valley.* Chettyappanoor New Tank.	2	1,066	2½	81	390	390	...	5	...	31	150,000	Government tank, bund and revetment in fair order. About half of the length of the front slope of the tank bund is revetted. The revetment requires raising in some places, for which an estimate is under preparation and will be submitted for sanction in July. This tank did not breach last year and has not been known to breach for ten or fifteen years back.	In column 6 the highest co-efficient 675 is used. In column 9 the length of 390 feet is natural ground and rock. On inspection a portion of the length was blocked up by a turf bank 1 foot high and about 1 foot wide.
		Right affluent.		Reddyoor or Cothacootay Tank.	14	3,268	3	187	40	40	147	6	...	50	450,000	Mittah tank. This tank was breached considerably by the heavy rains of May 1874, owing to insufficient surplus waterway; all the necessary information regarding the requirements of the tank has been communicated to the Mittahdar through the Revenue authorities. As the revenue derived from the 29 acres cultivated under the tank is very small, the Mittahdar (Narrainasawmy Redoy) it appears intends abandoning the tank, as the cost of putting it in thorough order will exceed 1,000 Rupees. Nothing has been done towards its repair.	In column 6 the co-efficient used is 562 5. An adequate escape could easily be made at the south end.
Salem.	South-West Line.	...	...	Ranojeerowcootay ..	½	283	2	30	10	10	20	4	...	½	2,000	Government tank, an insignificant pond Repaired and put into thorough order by the ryots.	In column 6 the co-efficient used is 450.
		...	...	Cowndenari Tank ...	6½	1,959	2¼	148	60	60	88	5	...	10	90,000	Dasabandum tank. This tank has been rendered efficient by the Dasabandumdars. It breached in May 1874 owing to insufficient surplus waterway. The calingulah has since been extended with rough-stone, and the bund raised where necessary, though earth has been thrown up in a careless manner without reference to top width and slopes. This tank was escheated to Government on the 18th June 1875. The levelling and sectioning of the earthwork, &c., has since been ordered to be executed by Government Agency.	In column 6 the co-efficient used is 562·5.
		...	...	Nimumputty Puckeriary Tank.	6	1,857	2½	135	40	40	95	4½	...	45	430,000	Dasabandum tank escheated to Government in June 1874, owing to the Dasabandumdars neglecting the execution of repairs. This tank breached on the 5th May 1874. An estimate has been sanctioned for closing the breach and extending the calingulah 95 feet. The work is nearly completed at present, and will be quite complete by the termination of July.	In column 6 C = 562 5. The extended portion of the calingulah is to be built partly with stone in chunam and partly with dry stone.
		Left affluent.		Chottyappanoor Old Tank.	1	675	2¼	51	15 / 120	135	...	4	...	18	90,000	Government tank bund in fair order, revetment requires reconstruction in places, an estimate is under preparation for the same and will be submitted in July. This tank did not breach last May. It has not been known to breach for many years. The surplus waterway is adequate.	In column 6 C = 675. The tank has a 15 feet calingulah built of rough-stone amongst rocks on the west side. On the east side there is a natural escape of 120 feet over hard soil, cut up a little in the over fall, but not worth the construction of a masonry calingulah.
		...	...	Vepampett Tank ...	8	2,250	2½	169	60	60	109	5	...	26	100,000	Mittah tank. Badly breached in May 1874, since the Mittahdar has closed the breaches and raised about one-third the length of the bund 2 feet above its former height. The stones in the calingulah of 60 feet has not yet been repacked; at the western end, in continuation of the above calingulah, 84 feet of the bund has been cut away to the level of the sill of the calingulah, apparently intended as an extension. The Mittahdar refuses to extend the calingulah to the length communicated to him by the Revenue authorities, or to remove the eastern extremity of the bund where the bed is on a high level to the level of the ground. As the tank is now full of water, it is probable that the raising of the bund will not be continued throughout until next year when the tank is dry.	In column 6 C = 562 5.

Proceedings of the Madras Government, Public Works Department, 23rd August 1875.

Return of Tanks affecting Lines of Railway for the half-year ended 30th June 1875.—(Continued.)

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
				Vepumpett Valley. —(Concluded.)			FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	ACRES.	C. FDS.		
		...	...	Appalreddycootay ...	¼	146	2	15	18	18	...	3½	...	1	2,000	Mittah tank did not breach in May 1874. It is a small insignificant pond.	In column 6 C = 450.
				Papancootay ...	¼	146	2	15	{0 / 14}	20	...	3	...	1¼	2,000	Do. do. do. ...	Do. A channel 6 feet wide has been cut through hard ground at the western extremity of the bund and about 2 feet deep. Above this channel 14 feet of waterway is available for surplus discharge.
		...	...	Thonthitope Tank ...	4	1,701	3	97	18	18	79	6	...	19	184,000	Mittah tank, very badly breached in May 1874. The length of the breach is 50 yards and the sluice has been destroyed; as there are only 5 acres under the tank the Mittahdar has abandoned it.	In column C 6 = 675. The exit of surplus is through two channels cut through high rocky ground measuring 8 feet and 10 feet wide respectively. The tank had a beautiful bund 18 feet wide at top and revetted on both slopes. It breached through insufficient surplus discharging power.
				Ponnary Valley.													
		130	11	Commeanpet Tank ...	4	1,701	2½	128	66	52	76	6	2½	40	193,000	Mittah tank; bund and revetment in fair order, said to have recently been repaired. Villagers state that the tank did not breach last year. Nothing done by the Mittahdar in the way of extension of calingulah. Calingulah could easily be extended in continuation northwards of the existing one. The tank will not be safe until the calingulah is extended.	In column 6 C = 675.
Salem.	South-West Line,	...	...	Ponnary Large Tank ...	2	1,066	3	61	100	100	...	6	...	35	300,000	Mittah tank, did not breach last year. Has not known to have breached since it was constructed many years ago. Bund 6 feet wide at top; both slopes revetted, and revetments in good order. Tank quite efficient.	In column 6 C = 675. There is no built calingulah. The surplus escapes by a cut through high ground in hard gravelly soil.
		...	...	Ponnary Small Tank ...	3	1,404	3	80	100	100	...	6	...	30	200,000	Do. do. ...	Do. do.
		...	...	Lubbacootay Tank ...	3½	1,552	2	164	{24 / 100}	124	40	3	...	16	7,000	Mittah tank; bund, though low, is regular and even; revetment good. The tank frequently breaches at its western extremity near Trunk Road No. V where the bed is on a high level. At its eastern extremity it has a rough-stone calingulah 24 feet long and hard gravelly ground 100 feet long on the same level over which the surplus also flows. If the remaining high part for about 40 feet in length was cut away to a depth of half a yard and the bund raised throughout for half a yard, the tank would be rendered safe and efficient. Nothing has been done to it by the Mittahdar.	Do. do.
				Moothoor Basin.													
		134	5	Moothoor Tank ...	2½	828	2½	62	62	{40 / 60}	...	5½	...	20	12,000	Government tank. This was a Dasabandum tank; but the Dasabandumdars having neglected to repair the breaches in it in 1874, the tank was escheated to Government. The calingulah or rough-stone pavements for discharging the surplus water were 42 feet and 18 feet long respectively. They were since extended to 60 feet and 40 feet as instructed in the notes of inspection of the Chief Engineer in G O., No. 1,431, of 25th May 1875. The bund has been raised and strengthened throughout. The tank is now safe and efficient in itself, but it is in danger of being again breached on account of the inefficient state of the Mittah tanks lying above it in the same valley.	In column 6 C = 450.
		...	...	Codiyanacooppum Tank	½	283	2½	21	...	...	21	...	...	2	8,000	Mittah tank. A low straggling bund at right angles to the Bangalore line; a few pitched stone here and there exists intended as a revetment, but does not serve that purpose. The bund should be raised throughout to heights varying from 3 to 5 feet. The tank has no escape whatever. One might very easily be made at either of the extremities of the bund by the removal of a portion of the bank and sinking a rough-stone wall to the level of the ground. The tank breaches almost yearly and is patched up by a little earthwork and turfing. The requirements of the tank have been communicated to the Mittahdar, who has not yet done anything to it besides patching up in a slovenly way the breaches of May and September 1874.	In column 6 C = 450.

Return of Tanks affecting Lines of Railway for the half-year ended 30th June 1875.—(Continued.)

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
				Hanamun Calvoy Basin —(Continued.)			FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	ACRES.	C. YDS.		
		...	...	Yellapully Tank ...	8	936	2½	71	30	30	41	2	...	13	90,000	Mittah tank, in very bad order; bund very low, irregular and weak in transverse section; unrevetted. Tank breached last year in May and September. Water is retained in the tank in June 1875 by a ring bund in front of the breaches. Requirements of the tank have been communicated to the Mittahdar by the Revenue authorities. He has done nothing to it yet.	In column 6 C = 450. The existing surplus waterway is natural over rock. The tank invariably breaches every year.
		...	...	Bomminaicken putty Tank.	½	283	2½	21	...	...	21	...	...	10	40,000	Mittah tank; bund low, requires raising throughout to a height of 2 feet. Water escapes at extremities; partly revetted. Did not breach last year. Construction of a calingulah very feasible at either extremity of the bund by removal of a portion of bank, and sinking a rough stone wall. Requirements of the tank communicated to owner. No improvements yet carried out	In column 6 C = 450.
	Madras Railway.—(Continued.)	...	...	Thereyalam Tank ...	5½	1,399	2½	106	200	200	...	4½	...	82	2,50,000	Mittah tank, a good tank. Revetment in fair order. Bund requires raising throughout to make it 5 feet above escape level. The tank has no calingulah, but the water escapes at the western extremity, where a length of 200 or 300 feet is available for discharge. This space is sometimes blocked up by a low turf bank, which is objectionable. If a rough-stone wall was sunk to level of ground, it would answer very well as an escape. The tank did not breach in 1874. Its requirements have been communicated to the owner. No improvements have yet been carried out.	Do.
		...	...	Chinnagowndencootay .	...	...	...	...	...	...	...	...	...	...	...	Mittah, a small pond with a bund about 150 feet long; situated amidst the cultivation in rear of the Thereyalam tank.	Do.
		...	...	Nochicootay	¼	141	2½	10	...	...	10	...	...	2	4,000	Mittah tank, a small pond, unprovided with escapes. Bund 250 yards long and 1½ yards high; weirs easily formed at either extremity; a simple rough-stone wall sunk to level of ground ample. Requirements communicated to owner. No improvements yet effected.	
		...	...	Veerapamputty Tank...	6	1,485	2½	112	...	...	112	...	...	12	85,000	Mittah tank, breached in 1874; bund low and irregular, weak in transverse section; unprovided with escape; but natural ground for 100 feet available at south-western extremity of bund for discharging surplus, which is constantly dammed up by a ring bund. The requirements of the tank were communicated to the Mittahdar, who has not yet thought proper to attend to them. The breach has simply been patched up.	
		...	...	Coorumboorcovilcootay	½	283	2½	21	...	...	21	...	...	5	8,000	Mittah tank, a small pond. Bund about 200 yards long and 1½ yards high in its deepest part. It is unprovided with an escape which could easily be formed at either extremity of the bund by removing a portion of bank and sinking a rough-stone wall. Requirements communicated to owner, who has done nothing to it yet.	
		...	...	Conaryoopum Tank ...	8	936	2½	71	50	50	21	2	...	10	76,000	Mittah tank, breached in 1874, a very weak and irregular bund which should be raised 5 feet above escape level; unrevetted. Requirements of tank were communicated to owner, who has not yet done anything to the tank besides carelessly patching up the breach.	Do. Escape of 50 feet mentioned is over natural ground at the southern extremity of bund; extension easily provided by cutting away high ground.

(Continued.)

Salem—South-West Line.

Return of Tanks affecting Lines of Railway for the half-year ended 30th June 1875.—(Continued.)

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
				Hanamun Calvoy Basin.—(Continued.)			FEET.	FEET.	FEET.	FEET.	FEET	FEET.	FEET.	ACRES.	C. YDS.		
(Continued.)	Madras Railway.—(Continued.)	...	...	Vatapatty Tank ...	1	450	2½	34	...	...	34	...	...	7	50,000	Mittah tank, did not breach in 1874. Bund 300 yards long and in very bad order, overgrown with brushwood, requires raising 3 feet. Revetted to some height as earthwork of bund. No escape; water said to overflow the bund yearly. Escape very easily formed at either extremity by removal of bund and sinking a rough-stone wall. Requirements of tank communicated to owner by Revenue authorities. Nothing at all has been done to it.	In column 6 C = 450.
		...	...	Chocklamputty ...	2	721	2½	54	135	135	...	4½	...	10	70,000	Mittah tank; bund in fair order; revetment in bad order; requirements of tank were communicated to Mittahdar who has raised the bund (though very carelessly) to a height of 1½ feet above its former level. The ring bunds in front of natural escapes have not been removed, nor has the revetment yet been raised. The tank did not breach in 1874.	In column 6 C = 450. There is space available on the north 75 feet long and on the south 60 feet for discharging surplus over hard gravelly soil, but a ring bund is built the whole way across to prevent the exit of water and thus endangers the tank bund.
		...	...	Pollanary Tank ...	3½	1,035	2½	78	21 / 70	91	...	4	...	14	1,00,000	Mittah tank, did not breach in 1874. Revetment in fair order; requires raising in some places; bund rather low, should be raised above crest of escape. Requirements of tank communicated to owner who has not yet done anything to it.	In column 6 C = 450. Of the escape waterway 21 feet is a rough-stone weir at the southern extremity, and 70 Northern extremity which is blocked up by a ring bund.
Salem.—	South-West Line.	...	...	Poothoor Tank ...	4	1,134	2½	85	...	...	85	...	...	3	10,000	Mittah tank, constantly breaches. Bund 210 yards long, and greatest height 1½ yards. It has no calingulah. It is nothing more than a pond. Requirements communicated to owner, who refuses to repair the same and to provide it with adequate surplus weirs. He has simply patched up the breaches.	In column 6 C = 450. A calingulah could easily be made at the southern extremity by lowering ground and sinking a rough-stone wall.
		...	...	Wodaputty Tank ...	5	1,314	2½	99	46	46	53	5	4	4	11,000	Mittah tank, breached in 1874. The bund was in bad order; it has since been raised about 2 feet (though the earth is thrown up very carelessly). There was no calingulah in 1874; one has since been built with rough stone 45 feet long at the southern end of the bund. A calingulah of the same description could easily be formed at the north end by the removal of the bund. The requirements of the tank were communicated to the owner, who has, as above pointed out, partly complied with its wants.	In column 6 C = 450.
		135	16	*Poothyangote Valley.* Poothyangote Tank ...	1	450	2½	34	34	34	...	5	...	7	25,000	Mittah tank, breached in 1874; unrevetted. The tank bund was ordered to be raised 5 feet above crest of escape; it formerly (1874) had no calingulah. Requirements of tank were communicated to Mittahdar, who has raised the bund with earth (very carelessly) to a height of 5 feet above crest level, and constructed a calingulah of rough-stone of the required length. The tank is not safe, because the tank above it has not yet been rendered efficient.	In column 6 C = 450.
		...	...	Moothanary Tank ...	½	369	2½	28	...	...	28	...	...	5	14,000	Mittah tank, a small tank; unrevetted. No calingulah could easily be provided with an escape at either extremity (south-west) by the removal of the bund and sinking a rough-stone wall to the level of the ground. The requirements of the tank were communicated to the owner, who has done nothing yet besides patching up the breach. He refuses to improve it.	In column 6 C = 450.

Proceedings of the Madras Government, Public Works Department, 23rd August 1875.

Return of Tanks affecting Lines of Railway for the half-year ended 30th June 1875, etc.—(Continued.)

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
				Pacha Calvoy Valley.			FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	ACRES.	C. YDS.		
(continued.)	dras Railway.	136	9	Coodyanagowndan Tank	1	450	2½	3½	...	...	3½	...	...	8	30,000	Mittah tank, a small tank. Bund 600 yards long; unrevetted; very weak in transverse section. Requirements of tank were communicated to the owner, who has done nothing towards improving it, which is likely to breach by the first fall of rain. He has simply patched up the breaches.	In column 6 C = 450. Calingulah could easily be made at the north-western extremity of any required length with a rough-stone wall and a small apron on removal of a portion of the bund.
		...	...	Agraharam Tank ...	5	1,314	2½	99	60 / 40	100	...	5½	...	110	1,050,000	Government tank, bund and revetment in good order. Tank did not breach in 1874, nor has it been known to breach for many years. It was repaired in 1872. Tank efficient and safe.	In column 6 C = 450. A calingulah of rough-stone 60 feet with apron 11 yards wide at north extremity is in good order. Cut channel on south side 40 feet wide through hard gravel soil.
		...	...	Vadugancootay ...	1½	589	2½	4½	...	...	4½	...	...	4	9,000	Mittah tank, a small pond, breached in 1874. Bund 216 yards long, very low and irregular, very weak in section, only about ½ foot wide at top, water kept in by a turf bank on bund. Partly revetted, revetment all displaced and laying in the bund of the tank. No calingulah; one could easily be made by removal of bund at south-western side by sinking a rough stone wall. Requirements of tank were communicated to Mittahdar, who has executed about 5 Rupees earthwork, which is useless. Has done nothing to calingulah tank, inefficient and unsafe.	In column 6 C = 450.
	South-West Line, Salem.—	...	...	Malacootay	2	721	2½	54	...	...	54	...	...	10	70,000	Mittah tank, did not breach in 1874. Tank bund very low and irregular; unrevetted. Calingulah could easily be made at the southern extremity with a rough stone wall and small apron. Requirements of tank communicated to Mittahdar. A few Rupees earthwork has been since executed to the tank. No calingulah has been provided. The tank is inefficient and unsafe.	Do. There is a natural channel at the north and south ends which are 9 feet and 30 feet wide respectively, but these are dammed up by turf and earth banks.
		...	...	Veerachetty Tank ...	2½	828	2½	62	30	30	32	3	...	6	35,000	Mittah tank, did not breach in 1874; bund low, irregular in section, unrevetted. The whole bund requires raising 1½ or 2 feet. The requirements of the tank in detail were communicated to the Mittahdar, who has not yet done anything to it.	In column 6 C = 450. The escape mentioned in column 9 is a natural channel over hard ground, which is frequently blocked up by a turf bank.
		...	...	Achoomungalum Tank.	3½	1,035	2½	78	39	39	39	3	...	30	225,000	Mittah tank, breached in 1874. The bund is in very bad order. It is revetted to same level as crest of weir, and is in bad order. Calingulah could easily be extended on southern side in continuation of the existing breached calingulah. The requirements of the tank were communicated in detail to the owner, who has not yet done anything to it, except retaining water in it by a ring bund in front of the breach in the calingulah. The tank is very inefficient and unsafe.	In column 6 C = 450.
		...	...	Cheluvaneri ...	4½	1,224	2½	92	56	56	36	4	...	12	45,000	Mittah tank, breached in 1874. The bund was in bad order, unrevetted, exposed a great deal to wash. Extension of calingulah very feasible. Requirements of tank were communicated to Mittahdar in detail who has executed earthwork, but in so careless a manner and with the silt of the bed at a slope of ¾ to 1 that its effect will be next to useless. Nothing has been done to the calingulah. The tank is not efficient and is still unsafe.	In column 6 C = 450.

Proceedings of the Madras Government, Public Works Department, 23rd August 1875.

Return of Tanks affecting Lines of Railway for the half-year ended 30th June 1875, &c.—(Continued.)

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
				Patcha Calvoy Valley.—(Concluded.)			FEET.	FEET.	FEET.	FEET	FEET.	FEET.	FEET.	ACRES.	C. YDS.		
(Continued.)	Madras Railway.	...	...	Annacovil Tank ...	6½	1,566	2½	118	100	100	18	4	...	80	150,000	Mittah tank, did not breach in 1874. The bund requires raising. It is revetted; revetment in good order. Extension of escape feasible by removal of a portion of the bund, and building a wing wall. Requirements of tank communicated to owner in detail, who has done nothing to it yet.	In column 6 C = 450. The entry in column 9 is a natural escape over hard rocky ground which is dammed up by turf and small stone bank.
		...	...	Coorumbacootay Tank.	7	1,647	2½	124	90	90	34	5	...	7	50,000	Mittah tank, breached in 1874. The tank bund was in bad order, so was the revetment. The calingulah is capable of extension eastwards. Requirements were communicated to owner in detail, who has raised the bund (though roughly) sufficiently and also the revetment. The calingulah has not yet been extended. The tank therefore is not yet safe.	In column 6 C = 450. Calingulah dammed up 1½ feet high by a turf bank.
		...	...	Reed Sahib's Tank ...	10	2,083	2½	157	{98 / 65}	163	...	5	...	60	400,000	Mitta tank, did not breach in 1874; breached in 1872. The breaches were very badly closed with silt from the tank bed unprotected with a revetment. The remainder of the bund of the tank is in good order. The revetment requires raising in places. The stones of the calingulah have been displaced. The requirements of the tank were communicated to the owner in detail, who has not yet attended to them.	In column 6 C = 450.

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
Salem.	South-West Line.	...	...	Paupancoolay Tank ...	½	283	2½	21	15	15	6	4	...	2	5,000	Government tank, in fair order; did not breach last year. The extension of the calingulah together with the strengthening of the bund has been ordered to be executed on emergency. The work is in progress and will be completed in July. An estimate was submitted for sanction in June.	Do.
		...	...	Atheyoor Tank ...	1½	589	2½	44	57	57	...	5	...	14	42,000	Government tank, did not breach for many years. In good order, efficient and safe.	Do.
		...	...	Annasagaram Tank ...	8½	1,035	2½	78	111	111	...	6	...	17	360,000	Do. Bund was raised in 1871-72.	Do.
				Malacausy Basin.													
		137	7	Malacausy Tank ...	3½	1,035	2½	78	{30 / 44}	30	48	4	...	15	36,000	Government tank, bund and revetment in indifferent order. Tank, however, has not breached for many years. An estimate has been submitted for its repair. The repairs are in progress on emergency, and will probably be completed in July.	In column 6 C = 450. Of the surplus waterway in column 9, 30 feet is a rough stone pavement, 44 feet is soft gravel. The extension of permanent calingulah is in progress.
		...	...	Moothier Tank ...	½	141	2½	10½	18	18	...	4	...	15	40,000	Mittah tank, did not breach in 1874. Existing bund pretty regular; it requires raising; revetment in good order; waterway sufficient. The Mittahdar has done some earthwork, but not sufficient to make the tank quite safe.	Do.
		...	...	Varagaryoootay ...	½	283	2½	21	21	21	...	2½	...	½	1,200	Mittah tank, a small pond; bund only 88 yards long. It requires raising to make it safe; it is not revetted. Nothing done to it by owner.	Do.
		...	...	Conapet Tank ...	1	450	2½	84	21	...	84	4	...	14	36,000	Mittah tank, did not breach in 1874; bund 400 yards long, low and irregular, requires raising; revetted; revetment requires raising. The Mittahdar has done nothing to the tank.	Do. The entry in column 9 refers to a surplus channel 21 feet wide at the southern extremity of the bund which is invariably blocked up by a turf bank.
		...	...	Yellavathu	2	721	2½	54	...	...	54	...	...	13	32,000	Mittah tank, did not breach in 1874, but the bund is very low and irregular, and very deficient in section. The water generally overflows the bund; revetted. No repairs executed by owner, tank in a very unsafe and inefficient state.	In column 6 C = 450. If the ground is lowered at the southern end, it would answer for an escape.

Return of Tanks affecting Lines of Railway in the Salem District for the half-year ended 30th June 1875, &c.—(Continued.)

District.	Line of Railway.	Point at which Surplus crosses. Miles.	Point at which Surplus crosses. Telegraph Posts.	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. Total.	Length of existing Calingulahs and Surplus Weirs. Effective.	Additional Length of Surplus Weir required.	Height of top of Bund above. Weir Crest.	Height of top of Bund above. Top of Dam Stones.	Approximate or Actual. Area of Tank.	Approximate or Actual. Capacity when full.	Special Remarks.	General Remarks.
1	2	3		4	5	6	7	8	9		10	11		12		13	14
				Malacausy Basin.—(Concluded.)			FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	ACRES.	C. YDS.		
(Continued.) Madras Railway.		...	...	Condroyencootay ...	3	986	2½	71	31	...	71	3	...	7	11,000	Mittah tank, breached in 1874; bund very low and irregular and thickly covered with brushwood; unrevetted. No calingulah, a surplus channel exists at the southern end, which is 21 feet wide, and is dammed up by a turf bank. The Mittahdar has simply patched up the breaches. He has done nothing else. The tank is very unsafe and inefficient.	In column 6 C = 450. Any length of calingulah is very feasible at a small cost of the north-eastern end.
				Shivathoor Basin.													
		143	6 and 7	Shivathoor Tank ...	8	1,800	2½	136	120	107	31	5½	3	24	116,000	Dasabandum tank, breached in December 1874; was escheated to Government on the 18th June 1875, because the Dasabandumdars neglected to carry out the extension to the calingulah as ordered by the Revenue authorities. This extension is now undertaken by the Department Public Works on emergency, and will be completed in August. An estimate is under preparation and will be submitted shortly for sanction. The breaches are closed, and the tank bund and revetment are in good order.	In column 6 C = 450.

Salem — South-West Line,		...	...	Paupencootay ...	¼	869	2½	28	...	...	28	...	...	5	12,000	Mittah tank, breached in May 1874 which has not yet been closed. The bund is very low, irregular, and weak. Partly revetted, and in very bad order. Ample ground for making an escape at the western side by cutting away the bund which is 2 feet high. Nothing has been done to it by the owner.	Do.
		...	...	Shivathoor New Tank.	1	450	2½	31	30	...	34	3	...	6	14,500	Government tank, did not breach. The bund requires raising; revetment in fair order, requires raising in places. Wants of tank have been undertaken on emergency and will be completed in August. Estimate under preparation and will be submitted in July.	Do. The entry in column 9 is a natural surplus channel 30 feet wide, sometimes blocked up by a turf bank.
		...	...	Karracootay Tank ...	2	721	2½	54	{36 / 36}	72	18	3	...	7	16,000	Mittah tank, breached in 1874. Bund low, requires raising throughout; revetment in fair order; the breach has been closed. Nothing further has been done by the owner. The tank is unsafe and inefficient.	In column 6 C = 450. The entries in column 9 refer to a 36 feet surplus channel which is sometimes dammed up by a turf bank. The other 36 feet mentioned refers to another channel on the north which is on a high level.
		...	...	Pullathoorcootay Tank.	2½	828	2½	62	15	...	62	3	...	2	3,000	Mittah tank, bund low, irregular and weak in section. It is 136 yards long; unrevetted; breached in 1874 and since patched up. Nothing further has been done by the owner. The tank (really a pond) is unsafe and inefficient.	In column 6 C = 450. The entry in column 9 refers to a surplus escape channel invariably dammed up. The entry in column 11 refers to height above surplus escape channel.
		...	...	Beemacootay Tank ...	3	936	2½	71	73	...	71	2	...	1½	2,000	Mittah tank, breached in 1874; the bund is 120 yards long, low, irregular and weak in section; revetted, but revetment is in bad order; breach patched up. Other requirements of the tank not attended to by the Mittahdar.	Do. The entry in column 9 refers to low ground at the southern extremity of the bund, which is often blocked up by turf bank. The entry in column 11 refers to height above surplus escape over low ground.
		...	...	Vathanavady Old Tank	4	1,134	2½	85	{35 / 15}	50	35	3	...	14	34,000	Mittah tank, breached in 1874; the bund is low, irregular and weak in section; revetted, revetment in bad order; breach patched up; nothing more has been done to it by the owner.	In column 6 C = 450. The entry in column 9 of 35 feet refers to a rough-stone pavement; the 15 feet is a natural surplus escape over hard rocky ground.
		...	...	Vathanavady New Tank.	5	1,314	2½	99	{30 / 30}	60	39	4	...	14	34,000	Do.	In column 6 C = 450. The entry in column 9 refers to two rough-stone pavements.

Return of Tanks affecting Lines of Railway for the half-year ended 30th June 1875, etc.—(Concluded.)

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		Approximate or Actual.		Special Remarks.	General Remarks.
		Miles.	Telegraph Posts.						Total.	Effective.		Weir Crest.	Top of Dam Stones.	Area of Tank.	Capacity when full.		
1	2	3		4	5	6	7	8	9		10	11		12		13	14
							FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	FEET.	ACRES.	C. YDS.		
Salem.—(Concld.)	South-West Line, Madras Railway.	...	...	*Shivathoor Basin*—(Concluded.)													
				Poolepatty Tank ...	5¼	1,399	2¾	106	45	45	61	4	...	16	38,000	Mittah tank, breached in 1874. The bund is low, irregular and weak in section; revetted, revetment in bad order. Breach patched up; nothing more has been done to it by the owner.	In column 6 = 450
				Camalaputty Tank ...	7	1,647	2¼	124	50 / 60	110	14	4	...	20	40,000	Do. Breaches are not yet closed.	Do. The entries in column 9 refer to two rough-stone pavements.

(Signed) J. N. HUNTER, Major, R.E.,
District Engineer, Salem.

SALEM,
27th July 1875.

No. 387-A. From Major J. N. HUNTER, R.E., District Engineer of Salem, to Major J. O. HASTED, R.E., Officiating Chief Engineer for Irrigation, dated Salem, 27th July 1875, No. 36.

1 Sketch.

WITH reference to G. O., No. 3,615, dated 22nd December 1874, I have the honor to report on the tanks commanding that portion of the South-West Line of the Madras Railway passing through the Tripatore Range.

2. For the convenience of reference the enclosed sketch (not drawn to scale) has been prepared to illustrate the various groups referred to in this report.

VANIEMBADY OR VEPUMPETT SERIES.

(1.) *Nimmumputty Puckeriary Tank, a Government Tank.*—The breaches have been closed; the calingulah is being extended. This tank will be rendered quite safe and efficient by the end of this month.

(2.) *Gowndenari Tank.*—A Dasabandum tank resumed by Government only on the 18th June 1875. The bund has been strengthened and the calingulah made efficient and safe.

(3.) *Ranojeerowcootay, a Government Pond.*—Rendered safe and efficient.

(4.) *Reddyoor or Cothacootay Tank, a Mittah Tank.*—Unrepaired; left breached.

(5.) *Thonthitope Tank, a Mittah Tank.*—Unrepaired; abandoned.

(6.) *Papancootay, a Mittah Tank.*—Did not breach; a small insignificant pond.

(7.) *Appalreddycootay.*—Did not breach; a small insignificant bund.

(8.) *Vepumpett Tank, a Mittah Tank.*—Breaches closed; bund partly strengthened; surplus waterway still inadequate; tank inefficient and unsafe.

(9.) *Chettyappanoor Tank, a Government Tank.*—Bund in fair order; surplus water-way adequate; estimate is under preparation for the repair of revetment and improvement of escape.

(10.) *Chettyappanoor New Tank.*—Do. do. do.

PONNARY SERIES.

(1.) *Ponnary Large Tank, a Mittah Tank.*—Safe and efficient.

(2.) *Do. Small Tank, do.*— Do. do.

(3.) *Lubbacootay, a Mittah Tank.*—Nothing done to it by owner; unsafe and inefficient.

(4.) *Commeanpet Tank, a Mittah Tank.*—Owner has strengthened the bund, but he has not extended the calingulah; tank unsafe and inefficient.

MUTHOOR SERIES.

(1.) *Codiyanacooppum Tank, a Mittah Tank.*—Breaches simply patched up; nothing else done; tank unsafe and inefficient.

(2.) *Vellacootay Tank, a Mittah Tank.*— Do. do. do.

(3.) *Shamacootay Tank, do.*— Do. do. do.

(4.) *Kuttari Tank, a Mittah Tank.*—Breach closed; bund raised a little but insufficiently; calingulah not extended; tank unsafe and inefficient.

(5.) *Muthoor Tank, a Government Tank.*—Has been rendered efficient and safe.

HANAMUN CALVOY SERIES.

(1.) *Natrampully, a Dasabundam Tank.*—Did not breach; bund and revetment in fair order. Dasabandumdar promised to extend the calingulah; has not yet done so.

(2.) *Yellapully Tank, a Mittah Tank.*—Water retained in tank by a ring bund; nothing done by Mittahdar; tank unsafe and inefficient.

(3.) *Bommanaickenputty, a Mittah Tank.*—Nothing done to it by owner; tank unsafe and inefficient.

(4.) *Nochicootay Tank, a Mittah Tank.*—A small insignificant pond.

(5.) *Thereyalam Tank, a Mittah Tank.*—Not rendered efficient by owner; tank unsafe.

(6.) *Chinnagowndencootay Tank, a Mittah Tank.*—An insignificant pond.

(7.) *Veerapamputty Tank, a Mittah Tank.*—Nothing done to it by owner; unsafe and inefficient.

(8.) *Codanghy Tank, a Mittah Tank.*—Abandoned.

(9.) *Vataputty Tank, a Mittah Tank.*—Nothing done to it; tank unsafe and inefficient.

(10.) *Chocklamputty Tank, a Mittah Tank.*—A little earthwork has been executed; tank will not be safe so long as ring bunds are retained across the natural surplus escapes.

(11.) *Pollanary Tank, a Mittah Tank.*—Bund not strengthened; tank unsafe.

(12.) *Poothoor Tank, a Mittah Tank.*—Nothing done to it by owner; tank unsafe and inefficient.

(13.) *Wodaputty Tank, a Mittah Tank.*—Requirements of tank partially attended to; tank unsafe and inefficient.

(14.) *Coorumboorcovilcootay Tank, a Mittah Tank.*—A small insignificant pond.

(15.) *Conarycoopum Tank, a Mittah Tank.*—Nothing done to it by owner; tank unsafe and inefficient.

MOOKANOOR SERIES.

(1.) Mookanoor Tank, a Mittah Tank.—Nothing done to it by owner; tank unsafe and inefficient.

PACHA CALVOY SERIES.

(1.) Agraharam Tank, a Government Tank.—Safe and efficient.

(2.) Vaduganootay Tank, a Mittah Tank.—Very little earthwork done by owner; tank unsafe and inefficient.

(3.) Mulacootay Tank, a Mittah Tank.—Do. do. do.

(4.) Veerachelly Tank, Mittah.—Nothing done to it by owner; unsafe and inefficient.

(5.) Acoomungalam Tank, do.—Do. do. do.

(6.) Cheluvanri Tank, Mittah.—A little earthwork done; calingulah not extended; unsafe and inefficient.

(7.) Ammacoil Tank, Mittah.—Nothing done to it by owner; unsafe and inefficient.

(8.) Coorumbacootay Tank, Mittah Tank.—Bund strengthened; calingulah not extended; unsafe and inefficient.

(9.) Reed Sahib's Tank, Mittah.—Nothing done to it; unsafe and inefficient.

(10.) Annazagaram Tank, Government.—Safe and efficient.

Proceedings of the Madras Government, Public Works Department,
23*rd August* 1875.

(11.) *Paupancootay Tank, Government, a small pond.*—Extension of calingulah and strengthening of bund in progress, and will be completed in July.

(12.) *Altnoor tank, Government.*—Safe and efficient.

(13.) *Coodyanagownden Tank, Mittah.*—Nothing done to it; unsafe and inefficient.

POOTHIANGOTE SERIES.

(1.) *Moothanary Tank, Mittah.*—Nothing done to it; unsafe and inefficient.

(2.) *Poothiangote Tank, Mittah.*—Bund repaired; calingulah built; safe and efficient.

MALACAUSY SERIES.

(1.) *Moothier Tank, Mittah.*—Bund requires further strengthening to make the tank safe.

(2.) *Varagarry Tank, Mittah.*—Bund requires further strengthening to make the tank safe.

(3.) *Conapet Tank, Mittah.*—Nothing done to it by owner; unsafe and inefficient.

(4.) *Yellavatha Tank, do.*— Do. do. do.

(5.) *Condroyencootay Tank, do.*—Do. do. do.

(6.) *Malacausy Tank, Government.*—Improvements in progress; will probably be completed in July.

SHIVATHOOR SERIES.

(1.) *Karracootay Tank, Mittah.*—No improvements carried out by owner; tank unsafe and inefficient.

(2.) *Pullathoor do., do.*—Do. do. do.

(3.) *Beemacootay do., do.*—Do. do. do.

(4.) *Vathanavady Old do., do.*—Do. do. do.

(5.) *Do. New do., do.*—Do. do. do.

(6.) *Pooleputty Tank, do., do.*—Do. do. do.

(7.) *Cannalaputty do., do.*—Do. do. do.

(8.) *Paupancootay do.*—Do. do. do.

(9.) *Shivathoor New Tank, Government, a small pond.*—It is being provided with an efficient escape and the bund is being strengthened.

(10.) *Shivathoor Tank, Dasabandum resumed by Government on* 19*th June* 1875.—Improvements in progress on emergency.

3. Further details concerning the above series will be found in the half-yearly return of Railway tanks (prepared in accordance with your Circular Memorandum, No. 1,040, of 14th December 1874) submitted with this office No. of

4. A further report for the few tanks near Salem will be sent, but the Railway is in no danger from them.

5. I have written to the Collector to get the Mittah tanks that are unsafe and inefficient put into proper condition by the proprietors.

No. 934.

No. 387-A. *Note by the Chief Engineer for Irrigation,*

District Engineer's Nos. 36 and 37, 27th July.

THE return of tanks affecting the Madras Railway in the Tripatore Range contains a great deal of information of the kind required, and considerable pains have been

taken with its preparation. The District Engineer's letter No. 36 contains a summary which, with the sketch, will enable the general circumstances to be understood.

2. Numerous cases in which Mittah tanks have had nothing done to them since their requirements were ascertained and communicated to the owners will be found in the return. Some owners refuse and others neglect to repair bunds and extend escapes. The next step appears to be for the Collector to serve the Mittahdars with notice of their responsibility for future damage, and this return will probably afford him the information necessary. It contains a very intelligible and complete account of the several tanks, and those which breached in 1874 ought to be attended to forthwith, and the rest as fast as possible.

3. The District Engineer it is considered deserves credit for the way in which the instructions have been carried out, and the few Government tanks affecting the Railway in this part of the district appear to have been promptly put to rights.

OOTACAMUND, (Signed) JOHN MULLINS, Lieut.-Colonel, R.E.,
19th August 1875. *Chief Engineer for Irrigation.*

No. 388. ORDER THEREON, 23rd August 1875, No. 2,418.

IRRIGATION, No. 23-F.

As it appears that the greater number of the tanks in the Tripatore Range of the Salem District which affect the Railway are Mittah, the return will be printed and communicated to the Revenue Department, with a view to the necessary steps being taken for enforcing the obligations of the owners of those tanks which are in an unsafe state. These Proceedings will also be communicated to District Engineers generally.

(True Extract.)

(Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government.

To the Revenue Department.
" District Engineer, Salem.
To all other Superintending and District Engineers.
To the Executive Engineer, Wynaad.
" Consulting Engineer for Railways.

Exd. E. C. Slunker.
Spare Copies

No. 35

From

The District Engineer of Salem.

To

The Chief Engineer for Irrigation.

District Engineer's Office
Salem 27th July 1875.

Sir,

Enclosure 1.
1 Return.

1. With reference to your printed Memorandum No. 1040 dated 14th December 1874, I have the honor to forward Return of Tanks affecting lines of Railway for the half year ended 30th June 1875: prepared with reference to G. O. No. 3,210 dated 13th November 1875.

I have the honor to be,
Sir,
Your Most Obedient Servant.
F. Streeter Major, R.E.
District Engineer Salem

Exd. 4.

right affluent. Reddyoor or Cothacoottay Tank	14	3268	3	157	40	40	147	6	"	50	45000	Mittah Tank This tank was breached considerably by the heavy rains of May 1874, owing to insufficient surplus waterway. all the necessary information regarding the requirements of the tank has been communicated to the Mittahdar ~~through the Revenue Authorities as the requisite data from the 29 Acres cultivated under the tank is very small. the~~	In Columns 6 the Coefficient used is 562-5. An adequate escape could easily be made at the South End.

80

G. No. 1471
Ro

From
The District Engineer
of Salem,

To
The Chief Engineer
for Irrigation

Dated 27th July 1875
Rec 7/8 Aug 1875
No 37

Encls: 1

Forwarding Return of tanks affecting lines of Railway for the half year ending 30th June 1875

Ranojee Row Cootay	½	283	2	30	10	10	20	4	"	½	2000	the Mirasdhars (Narrainasamy Reddy) it appears instead ~~abandoning the tank, or the cost of putting it in thorough order~~ will exceed ~~1000~~ Rs. Nothing has been done towards its repair. — " — Government tank an insignificant pond, Repaired and put into thorough order by the Ryots — " —	In Column 6 the Co-efficient used is 450.
Gowndenari tank	6½	1959	2½	148	60	60	88	5	"	10	9000	Disabandoned Tank. This tank has been rendered efficient by the Dasabandars. It breached in May 1874 owing to insufficient surplus waterway. The Calingulah has since been excended, with rough stone, and the bund raised where necessary. Though earth has been thrown up in a careless manner without reference to top width and slopes. This tank was escheated to Government on	In Column 6 the Co-efficient used is 562.5.

Vepumpatti Tank	8	2250	2½	169	60	60	109	5	•	26 mm	Mittah Tank. Badly breached in May 1874 since ~~when~~ the Mittahdar has closed the breaches and raised about ⅓ the length of the bund 2 ft. above its former height. The stones in July. This tank did not breach last May. It has not been known to breach for many years. The surplus waterway is adequate.	On the East side there is a natural escape of 120 ft. over hard soil, cut up a little in the overfall, but not worth the construction of a masonry Calingulah.	In Column 6 C = 562.5		
Nimmapatty Puckeriary tank	6	1857	2½	135	40	40	95	4½	•	45 43mm	the 18th June 1875. The levelling and sectioning of the earth work has since been ordered to be executed by Government Agency. Darabandam Tank escheated to Government in June 1874 the extended portion of the Darabandam Calingulah is to be built partly with stone. The tank breached on the 5th May 1874. Its partly with dry stone.		In Column 6 C = 562.5.		

											Revenue Authorities, or to remove the Eastern extremity of the bund where the bed is on a high level to the level of the ground. As the tank is now full of water it is probable that the raising of the bund will not be continued throughout until next year when the tank is dry.
Appal Reddy Cootay	¼	146	2	15	18	18	•	3½	•	1	200	Mettah Tank. In Column 6 did not break C = 450.

											been sanctioned for closing the breach & extending the Calingulah 95 ft. The work is nearly completed at present, and will be quite complete by the termination of July
left affluent. Chetty appanor old tank	1	675	2½	51	15/105	135	•	4	•	18	900 Government tank bund in fair order, revetment requires reconstruction in places, an estimate is under preparation for the same and will be submitted. In Column 6 C = 675. The tank has a 15 ft. Calingulah built of rough stone amongst rocks on the west side

Thonthilope tank	4	1901	3	97	18	18	79	6	-	19	184,000	Mittah Tank very badly breached in May 1874. The length of the breach is 50 yards and the sluice has been destroyed as there are only 5 acres under the tank, the Mittahdar has abandoned it.	In Column 6, C = 675. The escape of surplus is through two channels cut through high rocky ground measuring 8' and 10 ft. wide respectively. The tank had a beautiful bund 18 ft wide at top and revetted on both slopes. It breached through in-

in the Calingulah of 60 ft. cannot yet be repaired at the Western end in continuation of the above Calingulah 340 ft of the bund has been cut away to the level of the sill of the Calingulah apparently intended as an extension. The Mittahdar refuses to extend the Calingulah to the length communicated to him by the

Pomary Large tank	2	1066	3	61	100	100	"	6	"	35	30000	Mittah Tank In column 6 did not breach 0 = 675. There last year. Has not is no built known to have breached Calingulah. since it was constructed. The surplus weir good order. Bund 6 ft escapes by a wide at top, both slopes revetted cut through and revetment in good order. Tank high ground quite efficient. in hard gravelly soil.
Pomary Small tank	3	1404	3	80	100	100	"	6	"	30	20000	do — do — do — do
Lubbacootay tank	3½	1552	2	164	24/100	124	40	3	"	16	7000	Mittah Tank — do do Bund through low is regular and even, Revetment good. The tank frequently breaches

												in May 1894. It is a small insignificant pond
Papancootay	¼	146	2	75	¼	20	"	3	"	1¼	2000	do — do — a channel 6 ft. wide has been cut through hard ground at the Western extremity of the bund and about 2 ft. deep. Above this channel 14 ft. of waterway is available for surplus discharge.

the tank was escheated to Government. The Calingulah or rough stone pavements for discharging the surplus water were 42 ft and 18 ft long respectively. They were since extended to 60 ft and 40 ft as instructed in the notes of Inspection of the Chief Engineer in G.O. No 1431 of 25th May 1875. The bund has been raised and strengthened throughout. The tank is now safe and efficient in itself. But it is in danger of being again breached on account of the inefficient state of the Mittah Tanks lying above it in the same valley.

Codiyanacoop-pam tank	½	283	4½	21											2 800	Mittah Tank. A low straggling bund at right angles to the Bangalore line. a few pitched stone here and there exists intended as a revetment, but does not	In Column 6 C = 450.

sufficient surplus discharging power.

Pommary Valley

130	11	Commeanpet tank	4	701	2½	128.66	52	76	6	2½	40				4 000	Mittah Tank Bund and revetment in fair order, said to have recently been repaired. Villagers state that the tank did not breach last year. Nothing done by the Mittahdar in the way of extension of Calingulah. Calingulah could easily be extended in continuation Northwards of the existing one. The tank will not be safe until the Calingulah is extended.	In Column 6, C = 675

Salem
South West Line, Mettur Railway.

but the surplus escapes over natural hard ground for a length of 30 ft, which is quite ample. But a turf bank was visible in front of it on inspection which certainly endangers the bund of the tank. During May and September 1874, the water freely escaped over the bund which caused numerous deep fullies in the same, the thick growth of brushwood having saved it from complete destruction. The requirements of the tank were communicated to the Mittahdar. Nothing has been done to the bund save a little earth work valued at about one rupee.

Shamacootay tank	1	450	2½	34					34					1½	5000	Mittahdar Tank. Bund in very bad order, requires raising 3 ft throughout. The revetment also requires raising 1½ ft. No Calingulah				In Column 6 C = 450.

at its western extremity near Trunk Road No. V where the bed is on a high level. At its eastern extremity it has a rough stone Calingulah 24 feet long and hard gravelly ground 100 ft long on the same level over which the surplus also flows. If the remaining high part for about 40 ft in length was cut away to a depth of half a yard and the bund raised throughout for ½ yd the tank would be rendered safe and efficient. Nothing has been done to it by the Mittahdar.

Moothoor basin

134	5	Moothoor Tank	2½	828	2½	62	62	40 / 60			5½		20	1200	Government Tank. This was a Dasabandam Tank. But the Dasabandamdars having neglected to repair the breaches in it in 1874,					In Column 6 C = 450.

of the Caliupulah. Nothing has been done towards extension of Caliupulah. Tank is insufficient and therefore unsafe.

Moothanoor Valley

135	5	Moothanoor tank	3/4	369	2½	28		28		10	600	Mittah Tank a very small tank bund low and irregular. Partly revetted. No Caliupulah. Water generally escapes by breaching the ends of the bund. On inspection in June the breaches were temporarily patched up and the low parts of the bund had a temporary bank 1 ft wide and 1½ ft high raised in places apparently to keep the water within the tank. The Mittahdar agreed to improve the tank by raising the bund and building a Caliupulah. Nothing has been done by him.	In Column 6 C-450

serve this purpose. The bund should be raised three feet to an average height varying from 3 to 5 ft. The tank leaks and escape waters. One sluice may easily be made at either of the extremities of the bund by the removal of a portion of the bank and sinking a rough stone wall to the level of the ground. The tank breaches almost yearly and is patched up by a little earthwork and turfing. The requirements of the tank have been communicated to the Mittahdar who has not yet done anything to it besides patching up in a slovenly way the breaches of May and September 1874.

Villacootay tank	3/4	369	2½	25	30	30		2½	8	2	4500	Mittah Tank & pond. The bund should be raised 2½ ft or 3 ft throughout. The bund is not revetted but is thickly covered with brushwood. It has no built caliupulah.	In Column 6 C=450.

Hariamun Calvary basin

135 3 and 135 5 Codaughy tank 7 1647 2½ 124 4 124 18 gms Mittah Tank In Column 6
Some say breached C = 450
40 years back, others
say 30. Breach is about
100 yards long and was
never closed. Tank abandoned.

Ratranpally tank 2 721 2½ 54 36 36 18 4½ 26 15 gms Data bandhna In Column 6
tank. In fair order. C = 450
Bund required raising
at the North end for a
length of 100 yds to a height
of 3 ft. The Calingolah
should be extended. The require-
-ments of the tank have been
communicated to the Data bandar
who promised to repair the tank, but
has not yet done anything to it. This

is, while there is ample facilities for con-
-structing one at either end of the bund. The
bund breached at its western extremity where
the bed of the tank is now high level. This
might have been left open. The Mittah Dar
however has closed it up by a bank of
earth 1 yard high and 1 yard wide. He has
executed about 10 Rs earthwork to the bund
which is so small a quantity, that the tank
has not been improved in the least.

Kuttari Tank 2 721 2½ 54 35 19 2½ 22 gms Mittah Tank In Column 6
Breached in May 1874 C = 450
which has since
been closed. Bund repaired
and in fair order. Require-
-ments of Tank have been
communicated to the Mittah Dar.
Portions of the bund have been
raised 3 ft and 4½ ft above the sill

raising throughout
to a height of 2 ft. Water
escapes at extremities.
Partly revetted. Did not
breach last year. Construction
of a Calinjulah very feasible
at either extremity of the bund
by removal of a portion of bank
and sinking a rough stone wall. Re-
-quirements of the tank communicated to
owner. No improvements yet carried out.

Mittah Tank — 00 —

Thereyalam tank 5½ 1399 2½ 106 200 200 4½ 32 25000 Mittah Tank
a good tank. Re-
-vetment in fair order.
Bund requires raising
throughout to make it
5½ ft above escape level.
The tank bears Calinjulah

This tank did not breach last year, and
has not breached for many years past.

Yellapully Tank 3 936 2½ 71 30 30 41 2 15 Mittah Tank In Column 6
In very bad order, C = 450. The
bund very low, irregularing surplus
-ser and weak in waterway is
transverse section. Un-natural over
revetted Tank breached rock. The
last year on May & September. tank invari
Water is retained in the tank in -ably breaches
June 1875, by a ring bund in front every year.
of the breaches. Requirements of the
tank have been communicated to the
Mittahdar by the Revenue Authorities.
He has done nothing to it yet.

Bommindaichen
-putty Tank 1 282 2½ 21 21 10 Mittah Tank In Column 6
Bund low, requires C = 450

Unprovided with escape. Bund 250 yds long and 1½ yds high. Weir easily formed at either extremity a simple rough stone wall sunk to level of ground ample. Requirements communicated to owner. No improvements yet effected.

Veegapamputty tank 6 485 2½ 112 " " 112 " " 12 8000 Mittah Tank Breached in 1874 Bund low & irregular, uneven in transverse section. Unprovided with escape. But natural ground for 100 ft. available at South Western extremity of bund for discharging surplus, which is constantly dammed up by a ring bund. The requirements of the tank were communicated to the Mittahdar, who has not

but the water escapes at the Western extremity where a length of 200 or 300 ft is available for discharge. This space is sometimes blocked up by a low turf bank, which is objectionable. If a rough stone wall was sunk to level of ground it would answer very well as an escape. The tank did not breach in 1874. Its requirements have been communicated to the owner. No improvements have yet been carried out.

Chinna Poondee Cootay " " " " " " " Mittah - a small pond with a bund about 150 ft long situated amidst the cultivation in rear of the Sheveyalam tank.

Nochi Cootay ¼ 141 2½ 10 " " 10 " " 2 4000 Mittah Tank a small pond do

Chockkampatty tank	2	7½	2½	54	135	135	-	4½	-	10	7000	Mittah Tank	In Column 6 C = 450. There is space available on the North 75 ft long and on the South 60 ft for discharging surplus over hard gravelly soil, but a ring bund is built, the whole way across to prevent the exit of water and thus endangers the tank bund.

Bund in fair order, Revetment in bad order. Requirements of tank were communicated to Mittahdar who has raised the bund (though very carelessly) to a height of 1½ ft above its former level. The ring bunds in front over natural escapes have not been removed. Nor has the revetment yet been raised. The tank did not breach in 1874.

Pollanary tank	3½	1035	2½	78	21 / 70	91	-	4	-	14	10000	Mittah Tank	In Column 6 C = 450, If the escape in waterway 21 ft is rough stone weir at the Southern extremity and 40 ft natural from the North

Did not breach in 1874. Revetment in fair order, requires raising in some places. Bund rather low, should be raised throughout to the height of 5 ft.

yet thought proper to attend to them. The breach has simply been patched up.

Coorumbaor Coil Cootay	½	253	2½	21	-	[illegible]				[illegible]		Mittah Tank			
[illegible]															

a small pond. Bund about 200 yds long and 1½ yds high in its deepest part. It is unprovided with an escape which could easily be formed at either extremity of the bund by removing a portion of bank and sinking a rough stone wall. Requirements communicated to owner, who has done nothing to it yet.

Conary Coopum tank	3	936	2½	71	50	50	21	2	-	10	76000	Mittah Tank		do	

Breached in 1874. A Escape of 50 ft very weak and irregular mentioned is

in 1874. One has since been built with rough stone 45 ft long at the southern end of the bund. A Calingulah of the same description could easily be formed at the north end by the removal of the bund. The requirements of the tank were communicated to the owner, who has as above pointed out, partly complied with its wants.

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Poothyangote Valley.

135	16	Poothyangote tank	1	450	2½	34	34	34	5	7	25000	Mittah Tank Breached in 1874 - unrevetted. The tank bund was ordered to be raised 5 ft above crest of escape. It formerly (1874) had no Calingulah. Requirements of tank were communicated to Mittahdar who has raised the bund with earth (very carelessly) to a height of 5 ft above crest level and constructed a Calingulah of rough stone of the required length. The tank	In Column 6 C = 450

Unrevetted. Requirements of tank were communicated to owner, who has not yet done anything to the tank, besides very hastily carelessly patching up the breach. Extremity good. Escape easily formed by extension ground.

Vatapuzhy tank	1	450	2½	34	"	"	34	"	"	7	50000	Mittah Tank Did not breach in 1874 Bund 300 yds long and in very bad order, overgrown with brushwood - requires raising 3 ft. Revetted to some height as Earthwork of bund. No escape, water said to overflow the bund yearly. Escape very easily formed at either extremity by removal of bund and sinking a rough stone wall. Requirements of tank communicated to owner by Revenue Authorities. Nothing at all has been done to it.	In Column 6 C = 450.

is not safe because the tank above it has not yet been rendered efficient.

Moothanary tank	3/4	369	2½	28			28			5	4000	Mittah Tank	do	A small tank unrevetted. No Calingulah. Could easily be provided with an escape at either extremity (South west) by the removal of the bund and sinking a rough stone wall to the level of the ground. The requirements of the tank were communicated to the owner, who has done nothing yet, besides patching up the breach. He refuses to improve it.

Pachalaloy Valley

136 9	Cordyandoowden tank	1	450	2½	34			34			5	3000	Mittah Tank	do A small tank. Bund 600 yards long, unrevetted and very very weak in central section. No Calingulah.

above crest of escape. Requirements of tank communicated to owner who has not yet done anything to it. an extremity which is blocked up by a ring bund.

Poothoor tank	4	1134	2½	85			85			3	1000	Mittah Tank	In Column 6 C = 450.	Constantly breaches. Bund 210 yds long, and greatest height 1½ yards. It has no calingulah. It is nothing more than a pond. Requirements communicated to owner, who refuses to repair the same and to provide it with adequate surplus weirs. He has simply patched up the breaches. A Calingulah could easily be made at the southern extremity by lowering ground, and sinking a rough stone wall.

Wodaputty tank	5	1314	2½	99	46	46	53	5	4	4	1000	Mittah Tank	In Column 6 C = 450	Breached in 1874. The bund was in bad order, it has since been raised about 2 ft. (though the earth is thrown up very carlessly). There was no calingulah

turf bank on bund. Partly revetted, revetment all displaced and laying in the bund of the tank. No Calingulah. One could easily be made by removal of bund at South Western side, by sinking a rough stone wall. Requirements of tank were communicated to Mittahdar, who has executed about 5 Rs earth work which is useless. Has done nothing to Calingulah. Tank inefficient and unsafe.

Malacoatay	2	721	2½	54			54	"	"	10	7000	Mittah Tank did not breach in 1874. Tank bund very low and irregular. Unrevetted. Calingulah could easily be made at the Southern extremity with a rough stone wall and small apron. Requirements of tank communicated to Mittahdar. A few Rs worth work has been since executed to the tank. No Calingulah. Tank inefficient and unsafe.	— do —	There is a natural channel at the North and South Ends which are 9 ft and 30 ft wide respectively. But these are dammed up by turf and earth banks.

Agraharam tank	5	1314	2½	99	603 / 405	100	"	5½	"	110	105000	Government Tank Bund and revetment in good order. Tank did not breach in 1874, nor has it been known to breach for many years. It was repaired in 1872. Tank efficient and safe.	In Column 6 C = 450 a Calingulah of rough stone 60 ft with apron 11 yds wide at north extremity is in good order. Cut channel on South side 40 ft wide through hard gravel soil.		

Requirements of tank were communicated to the owner, who has done nothing towards improving it, which is likely to breach by the first fall of rain. He has simply patched up the breaches.

the North West-ern extremity of any reqd length with a rough stone wall and a small apron, on removal of a portion of the bund.

Vadugan Coatay	1½	589	2½	44	"	"	44	"	"	4	9000	Mittah Tank a small pond. Breached in 1874. Bund 216 yds long, very low and irregular, very weak in section, only about 4 ft wide at top water. Kept in by a	In Column 6 C = 450.		

retaining water in it by a ring bund in front of the breach in the Calingulah. The tank is very inefficient and unsafe.

Chaluvanari	4½	1224	2½	92	56	56	36	4			124500a	Mittah Tank Breached in 1874 The bund was in bad order. Unrevetted, exposed a great deal to wash. Extension of Calingulah very feasible. Requirements of tank were communicated to Mittahdar in detail who has executed earth work, but in so careless a manner and with the silt of the feet at a stage of 3/4 to 1 that its effect will be next to useless. Nothing has been done to the Calingulah. The tank is still inefficient and is still unsafe.														

C = 450.

did not breach in 1874. Breached in 1872. The breaches were very badly closed with silt from the tank bed unprotected with a revetment. The remainder of the bund of the tank is in good order. The revetment requires raising in places. The stones of the Calingulah have been displaced. The requirements of the tank were communicated to the owner in detail, who has not yet attended to them

Paupau Costay tank	1/2	283	2 1/2	21	15	15	6	4	2	000	Government tank In fair order. Did not breach last year. The extension of the Calingulah together with the strengthening of the bund has been ordered to be executed in emergency. The work		do

It is reported, revetment in good order. Extension of escape calingulah is a feasible by removal of a portion of the bund and natural escape over hard rocky building a weir wall. Requirements of tank communicated to owner in detail who has done nothing to it yet. found which is dammed up by turf & small stone bank.

Coorumbacotay tank	7	1647	2 1/2	124	90	90	34	2	7	50000	Mittah Tank Breached in 1874. The tank bund was in bad order as was the revetment. The Calingulah is capable of extension towards. Requirements were communicated to owner in detail, who has raised the bund (though roughly) sufficiently and also the revetment. The Calingulah has not yet been extended. The tank therefore is not yet safe.	In Column 6 C = 450	

Reed Sahib's tank	10	2084	2 1/2	187	90 65	163		5	60	40000	Mittah Tank	In Column 4	

for its repair. The repairs are in progress on emergency, and will probably be completed in July.

pavement 44ft is soft-faced. The extension of permanent Calingulah is in progress.

Kootheer tank	$\frac{1}{4}$	141	$2\frac{1}{2}$	$10\frac{1}{2}$	18	18	"	4	"	15	40,000	Mittah Tank	— do —				

Did not breach in 1874. Existing Bund pretty regular, it requires raising. Revetment in good order. Waterway sufficient. The Mittahdar has done some earth work, but not sufficient to make the tank quite safe.

Varagari Cootay	$\frac{1}{2}$	283	$2\frac{1}{2}$	21	21	21	"	$2\frac{1}{2}$	"	$\frac{1}{2}$	1200	Mittah Tank	— do —				

~~Bund small pond. Bund very irregular. It requires [illegible] it safe. It is not [illegible] the work [illegible]~~

is in progress and will be completed in July. An Estimate was submitted for sanction in June.

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Alleyoor tank	$1\frac{1}{2}$	589	$2\frac{1}{2}$	44	57	57	"	5	"	14	42,000	Government Tank	In Column 6				

Did not breach for many years. In good order efficient and safe.

C = 450.

Annasagaram Tank	$3\frac{1}{2}$	1035	$2\frac{1}{2}$	78	111	111	"	6	"	17	36,000	— do —	— do —				

Bund was raised in 1871-72.

Malaeamey basin.

137	7	Malaeamey tank	$3\frac{1}{2}$	1035	$2\frac{1}{2}$	78	$\frac{30}{44}$	31	48	4	"	15	36,000	Government tank	In Column 6		

Bund and revetment in indifferent order. Tank however has not breached for many years. An Estimate has been submitted

C = 450

Of the surplus waterway in Column 9. 30 feet is a rough stone

	Condroyan Cotay	3	936	2½	71	21	"	71	3	"	7	11000	Mittah Tank Breached in 1874. Bund very low & irregular and thickly covered with brushwood. Unrevetted. No Calingulah, a surplus channel exists at the Southern end, which is 21 ft. wide, and is dammed up by a turf bank. The Mittahdar has simply patched up the breaches. He has done nothing else. The tank is very unsafe and inefficient.	In Column C = 450. Any length of Calingulah is very feasible at a small cost at the North Eastern end.

Shivathoor Basin

143 6 and 7	Shivathoor tank	8	1800	2½	136	120	107	31	5½	3	24	16000	Dasabandaram Tank. Breached in December 1874, was ~~escheated to Government~~ [illegible] 18th June 1875. Became [illegible] the Dasabandaram's neglect.	In Column C = 450
	Comapet tank	1	450	2½	34	21	"	34	4	"	14	3600	Mittah Tank Did not breach in 1874. Bund 400 yds long low and irregular, requires raising. Revetted. Requirement [illegible] requires raising. The Mittahdar has done nothing to the tank.	D = 40 The entry in Column 9 refers to a surplus channel 21 ft wide at the Southern end of the bund which is invariably blocked up by a turf bank!
	Yellavathur	2	721	2½	54	"	"	54		"	12	32000	Mittah Tank Did not breach in 1874. But the bund is very low and irregular and very deficient in section. The water generally overflows the bund. Revetted. No repairs executed by owner. Tank in a very unsafe and inefficient state.	In Column C = 450 If the ground is lowered at the Southern end it would answer for an escape.

side by cutting away the bund which is 2 feet high. Nothing has been done to it by the owner.

Shivathoor new tank	1	450	2½	34	30	"	34	3	"	6	1450	Government tank. Did not breach. The bund requires raising. Revetment in fair order, requires raising in places. Works of tank have been undertaken on emergency and will be completed in August. Estimate under preparation and will be submitted in July.	— do — The entry in Column 9 is a natural surplus channel 30 ft wide, sometimes blocked up by a turf bank.

to carry out the extension to the Calingulah as ordered by the Revenue Authorities. This extension is now undertaken by the D.P.W. on emergency, and will be completed in August. An estimate is under preparation and will be submitted shortly for sanction. The breaches are closed and the tank, bund and revetment are in good order.

Paupan Cootay	¾	369	2½	28	"	"	28	"	"	5	1200	Mittah Tank Breached in May/74 which has not yet been closed. The bund is very low, irregular and weak. Partly revetted, and in very bad order. Ample ground for making an escape at the Western	— do —

on the north which is on a high level.

Sullathoor Cootay tank	2½	828	2½	62	15	-	62	3	-	2	3000	Mittah Tank. Bund low, irregular and weak in section. It is 136 yds long, unrevetted. Breached in 1874 and since patched up. Nothing further has been done by the owner. The tank (really a pond) is unsafe and inefficient.	See Column C = 450	Column 6 entry Column 9 refers to surplus channel

Karra Cootay tank	2	721	2½	54	36 36	72	18	3	-	7	1600	Mittah Tank. Breached in 1874. Bund low. requires raising throughout. Revetment in fair order. The breach has been closed. Nothing further has been done by the owner. The tank is unsafe and inefficient.	See Column 6 C = 450 The entries in Column 9 refer to a 36 ft surplus channel which is sometimes dammed up by a turf bank. The other 36 ft. mentioned refers to another channel	

order. Breach patched up. Other requirements of the tank not attended to by the Mittahdar.

Southern extremity of the bund, which is often blocked up by turf bank. The entry in Column 11 refers to height above surplus escape over low ground

up 46 The entry in Column 11. refers to height above surplus escape channel.

Beema Cooley tank	3	936	2½	71	72	71·2	1½	2000	Mittah Tank	— do —	

Breached in 1874. The bund is 120 yards long, low irregular and weak in section. Revetted but revetment is in bad at the

The entry in Column 9 refers to low ground

| | | |

No. III or Tripatore Range

Salem District

Return of Tanks affecting Lines of Railway for the Half Year ended 30th June 1875 prepared with reference to G.O. No. 3210 dated 13th November 1874.

District	Line of Railway	Point at which surplus crosses	Names of Tanks	Area of Catchment Basin, square miles	Extreme Length of Catchment Basin, C. Feet	Shortest Distance on Crest of Dyke of Tank to Nearest Point of Railway	Length of existing Waste Weir and length of Waste Weir	Height of Top of Bund above Waste Weir	Approximate Actual Capacity when full	Special Remarks	General Remarks
1	2	Miles 3	Yards 4	5	6	7	8	9	10	11	12
							Total	Effective	Additional Surplus Water Way		
							Feet	Feet	Feet	Feet	Feet	Feet	Feet	Acres	C.ft	13	14
			Vepumpatt Valley								
	South West Line, Madras Railway.	Salem	123 23 Chittyappanoor new tank	2	1066	2½	81	390	390	-	5	-	31	150000	Government Tank. The columns of Bund and revetment the highest in fair order. About coefficient 6.75 % of the length of the is used. The front slope of the Column of the tank bund is revet length of 390 ft. tad. The revetment is natural form requires raising in and rock. On some places. For inspection, a which an estimate portion of the is under preparation was blocks and will be submitted up by a tender for sanction in July. bank 1 ft. This tank did not high and at breach last year 1 foot wi and has not been known to breach for 10 or 15 years last
			Camalapatty tank	7	1647	2½	124	50 60	110	14	4	-	20	4000	— do —	50 — do — Breaches are not yet closed. The entries in Column 9 refer to hard rough stone pavements.

District Engr's Office, Salem 27th July 1875

J. Streeter Major R.E.
District Engineer.

Recd 1/1/1874/35

Recd 18 Aug 1875

Mr. 5480/1/75.

GO. 23 August/75
Ans B No. 357

District Engineer's Office,
Salem 27th July 1875

No. 36

From
The District Engineer,
Salem.

To
The Chief Engineer for
Irrigation.

Sir,

Inclosures 1 Sketch

With reference to G. O. No. 3615 dated 22d December 1874, I have the honor to report on the tanks commanding that portion of the South West Line of the Madras Railway passing through the Tripatore Range.

2. For the convenience of reference the enclosed Sketch (not drawn to scale) has been prepared to illustrate the various groups referred to in this report.

Vaniembady or Vepumpett Series.

1. Nimmumputty Puckeriary tank.

A Government tank. The breaches have been closed; the Calingulah is being extended. This tank will be rendered quite safe and efficient by the end of this month.

2. Goundenary tank. A Dasabandam tank resumed by Government only on the 18th June 1875. The bund has been strengthened and the Calingulah made efficient and safe.

3. Ranajee Row Cootay. A Government pond. Rendered

Safe and efficient.

4. Reddyoor or Cothacootay tank.—

A mittah tank. Unrepaired. Left breached.

5. Thonthetope tank.— A mittah tank. unrepaired, abandoned.

6. Papauncootay.— A mittah tank. Did not breach, a small insignificant pond.

7. Appaleddy Cootay.— D.— D.—

8. Vepumpett tank.— A mittah tank. Breaches closed. Bund partly strengthened. Surplus water way still inadequate. Tank inefficient and unsafe.

9. Chetty appanoor Tank.— A Government tank. Bund in fair order. Surplus water way adequate. Estimate is under preparation for the repair of revetment and improvement of escape.

10. Chetty appanoor new Tank.— D.— D.—

Pommary Series.

1. Pommary large tank. A mittah tank safe and efficient.

2.— D.— Small D.— D.— D.— D.—

3. Lubbah Cootay.— A mittah tank. nothing done to it by owner; unsafe and inefficient.

4. Cominiampet tank. A mittah tank. Owner has strengthened the bund, but he has not extended the Calingulah. Tank unsafe and inefficient.

Muthoor Series

1. Codizana Coopum Tank. a mittah tank. Breaches simply patched up. Nothing else done. Tank unsafe and inefficient.

2. Vellacootay tank.— D.— D.—

3. Shamacootay tank.— D.— D.—

4. Cuttary tank.— A mittah tank. Breach closed, Bund raised a little but insufficiently. Calingulah not extended. Tank unsafe and inefficient.

5. Mathoor tank. A Government tank. Has been rendered efficient and safe.

Hanuman Calvoy Series

1. Nattrampully.— A Dasabundam Tank. Did not breach. Bund and revetment in fair order. Dasabandamdar promised to extend the Calingulah. Has not yet done so.

2. Yellapully tank.— A mittah tank. Water retained in tank by a ring bund. Nothing done by mittadar. Tank unsafe and inefficient.

3. Bamanaikenputty.— A mittah tank. Nothing done to it by owner. Tank unsafe and inefficient.

4. Nochicootay tank. A mittah tank. a small insignificant pond.

5. Thereyalam Tank.— a mittah tank. Not rendered efficient by owner. Tank unsafe.

6. Chinnagounden Cootay tank.— a mittah tank. an insignificant pond.

7. Veerappumputty tank. a mittah tank. Nothing done to it by owner. Unsafe and inefficient.

8. Codanghy tank.— a mittah tank. abandoned.

9. Vataputty tank.— a mittah tank. Nothing done to it. Tank unsafe and inefficient.

10. Chocklamputty Tank.— A mittah tank. A little earth work has been executed. Tank will not be safe so long as ring bunds are retained across the natural surplus escapes.

11. Pollanary tank.— A mittah tank. Bund not strengthened. Tank unsafe

12. Porthoor Tank. A mittah tank nothing done to it by owner. Tank unsafe and inefficient.

13. Wodaputty Tank. A mittah tank. Requirements of Tank partially attended to. Tank unsafe and inefficient.

14. Curumboor Covilcootay tank — a mittah tank. a small insignificant pond.

15 Conary coopum tank. A mittah tank. Nothing done to it by owner. Tank unsafe and inefficient.

Mookanoor Series

1. Mookanoor Tank.— A mittah tank. Nothing done to it by owner. Tank unsafe and inefficient.

Pachalaivy Series

1. Agraharam Tank. A Government tank. Safe and efficient.

2. Vadoogancottay Tank. A mittah tank. Very little earth work done by owner. Tank unsafe and inefficient.

3. Malacottay tank — do — Do —

4. Veerachetty tank. mittah. nothing done to it by owner. unsafe and inefficient.

5. Achoomungalum tank — Do — Do —

6 — Chelvanary tank. Mittah. A little earth work done. Calingulah not extended. unsafe & inefficient.

7. Amma Covil tank.— mittah. Nothing done to it by owner, unsafe and inefficient.

8. Coorumba cottay tank.— Mittah tank. bund strengthened. Calingulah not extended. unsafe & inefficient.

9. — Read Jacob tank.— Mittah. nothing done to it. unsafe and inefficient.

10. — Annadagaram tank. Government, Safe and efficient.

11. — Paupancottay tank. Government, a small pond. Extension of Calingulah and strengthening of bund in progress and will be completed in July.

12. Altoor tank. Government safe and efficient.

13. Coodiyandaiounden tank — mittah. nothing done to it unsafe and inefficient.

Porthiangode Series

1. Moothanary tank. mittah. nothing done to it. unsafe and inefficient.

2. Porthiangode tank. Mittah. Bund repaired. Calingulah built. Safe and efficient.

Malacaudy Series

1. Mothiur tank — mittah. Bund requires further strengthening to make the Tank safe

2. Varagary tank. Mittah. Bund requires further strengthening to make the tank safe.

3. Conapett tank. Mittah. nothing done to it by owner. unsafe & inefficient. —

4. Yellavatha tank — D° — D° —

5. Condroyencottay tank — D° — D° —

6. Malacaasy Tank. Government. Improvements in progress will probably be completed in July.

Shivathoor Series

1. Harrikacottay Tank. Mittah. no improvements carried out by owner. Tank unsafe and inefficient.

2. Pallathoor Tank — D° — D° —

3. Beemacottay Tank — D° — D° —

4. Vathanavady old tank — D° — D° —

5. — D° — new tank — D° — D° —

6. Pookputty tank — D° — D° —

7. Cannalaputty tank — D° — D° —

8. Paupuncottai tank — D° — D° —

9. Shivathoor new tank. Government a small pond. It is being provided with an efficient escape and the bund is being strengthened.

10 Shivathoor tank. Dasabandum, resumed by Government on 18th June 1875. Improvements in progress on Emergency.

3. Further details concerning the above series will be found in the half yearly return of railway tanks (prepared in accordance with your Circular Memorandum No 1070 of 14th December 1874) submitted with this office No. of

4. A further report for the few tanks near Salem will be sent, but the Railway is in no danger from them.

5. I have written to the Collector to get the mittah tanks, that are unsafe and inefficient, put into proper condition by the proprietors.

54

I have the honor to be,
Sir,
Your Most Obedient Servant,

J. Wheeler
Major, R.E.
District Engineer Salem.

Contd. No. 1143.

Copy

To the Distt. Engineer

of Salem

From The Chief Engineer for Irrigation

Dated 31st July 1875

Recd. 2 Sept. No. 36

Encl. 1

Reporting on the tanks commanding the last-mentioned portion of the South West line of the Madras Railway passing through the Tripatore Range

Recd. 25/8/75

C.E. 21.8.75 Recd 23.8.75

R. Shah 13 Aug. 75

Contd. No. 1143-82-79-75.

C.B.- 23 August/75

WBN 357

No. 934

Enclosures 4.

Sd Engrs Nov: 36 & 37 - 27 July.

Note by the Chief Engineer for Irrigation.

The return of tanks affecting the Madras Railway in the Tripatore Range contains a great deal of information of the kind required and considerable pains have been taken with its preparation. The District Engineer's letter No. 36 contains a summary which with the sketch will enable the general circumstances to be understood:

2. Numerous cases in which our British tanks have had nothing done to them since their requirements were ascertained and communicated to the owners will be found in the return. Some owners refuse and others neglect to repair bunds and extend escapes. The next

step appears to be for the Collector to serve the Mittaldars with notice of their responsibility for future damage, and this return will probably afford him the information necessary. It contains a very intelligible and com-plete account of the several tanks, and those which breached in 1874 ought to be attended to forthwith, and the rest as fast as possible.

3. The District Engineer it is considered deserves credit for the way in which the instructions have been carried out, and the few Government tanks affecting the Railway in this part of the Dis-trict appear to have been promptly put to rights.

Lieut Colonel R.E.
Chief Engineer for Irrigation

Cotacamund 3rd Aug 1876.

To. The Secy. to Government
Irr Department

No. 2418 Irr.

P. W. 1895 Dept.
No: 5480

From
The Chief Engr.
for Irrign.

Dated 19th Augt 1895.
Recd. 25th " 1895.
E.4.3. No: 934.

Note on the ownership of tanks affecting the M. Ry. in the Salem Dist.

No 2418 d/23. Augt. 1/95

No 387a

No. 2418 P.W.D. Irrn 4-5

Proceedings of the Madras Government
Under date the 23rd Aug 1895
Read the following

From,
The Chief Engineer for Irrigation } (H.E. No 934 of 17th Aug 1895.)

As it appears that the greater number of the tanks in the Tripatore Range of the Salem District which affect the Railway are British, the returns will be printed and communicated to the Revenue Department with a view to the necessary steps being taken

for

for enforcing the obligation of the owners of those tanks which are in an unsafe state. These Proceedings will also be communicated to Dist. Engineers generally.

Dt. of 1875 Madras.

PUBLIC WORKS.

The Mine: Delph.

Dated

Encl.

No. 2418

No. 387 - 388

Mr. 2018

Relating to affording the benefit of Inspectors Ranges, &c. — Passing Rule by the Chief Engineer as

$\frac{200}{30}$

sc resp. 24-9-75

X No. 387/8

North Canara
Malabar
Nuldurgs
Nyrad exceptd

Rev. Dept. — 20 SC & 20 copies of the sketch
Ds. Salem — X 45 SC 14
All other Supply Depts. usual No. 25 SC & Skeletons
Nizam's Dominions
Packing for Dept 18 SC & 18 Skeletons