

- (1) Number of pages _____
(2) Date of repair _____
(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works DEPARTMENT

G.O. No.	981	(2)	Press
B.P. No.			Mis.
Dated	19-4-	1876	

Not to be folded or roughly handled

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
One Statement. 1875, which, I am aware, is still incom-
plete, 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.

Proceedings of the Madras Government.

Return of Tanks affecting Lines of Railway for the Half-year ended 31st December

District.	Line of Railway.	POINT AT WHICH SURPLUS CROSSES.		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 CALINGULAH AND SURPLUS WEIRS.	
		Miles.	Chains.						Total.	Effective.
1	2	3	4	5	6	7	8	9	10	11
Cumbalore.	South-West Line.	301st and 35th chain from Madras to Calicut.	Noyel River, Right Bank.	Coorchy Tank.	Approximate Area 1½ sq. miles. This tank supplied by Noyel River and surplus of Cooneamootoor Tank.	637 c. ft. per second.	2 feet.	50 feet.	49 feet.	49 feet.
				Cooneamootoor Tank.	Approximate Area 1½ sq. miles. This tank supplied by Noyel River through Peroor Tank.	...	...	...	...	...
				Peroor Tank.	This tank is supplied from Noyel River.	...	...	...	...	...
				Agraravallalore Channel.	This tank is supplied from Noyel River.	...	...	...	...	...
				Noyel River, Left Bank.	Supplied by a channel from Noyel River and surplus water of 4 or 5 tanks above.	680 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 sill of the calingulah. 33 feet.
	This tank is situated above the South-West 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.	...	...
				Chelvachintamani Tank.	These tanks receive their supply by Chittrachavady Channel from Noyel River, left bank.	...	...	...	...	...
				Comarasawmy Tank.	...	...	...	...	...	...
				Chelvamboody Tank.	...	...	...	...	...	...
				Kristnambody Tank.	...	...	...	...	...	...
				Narasamboody Tank.	...	...	...	...	...	...

Public Works Department, 19th April 1876.

1875, prepared with reference to G.O., No. 3,210, dated 13th November 1874.

Additional Length of Surplus Weir required.	HEIGHT OF TOP OF ROAD ABOVE.		APPROXIMATE OR ACTUAL.		Special Remarks.	General Remarks.
	Weir Crest.	Top of Dam Stones.	Area of Tank.	Capacity when full.		
10	11	12	13	14	15	16
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.
...	...	...	...	...	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.
...	...	...	...	...	Government Tank. In good order.	Vide remarks of Cooneamootoor Tank.
...	...	...	...	...	Government.	Vide remarks of Cooneamootoor Tank. An estimate for a head sluice is under preparation.
...	5 feet.	4 feet.	1,485,830 sq. 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 sill of the calingulah.	The surplus water through the calingulah and the gap flow directly into the Noyel River; a head sluice to the Coombatore channel is being constructed.
...	5 feet.	4 feet.	828,600 sq. yards.	1,721,000 cubic yds.	Government Tank. The Railway embankment across this tank is 6 feet above the sill of the calingulah and has stone revetment on both side slopes.	The surplus water from this tank flows into the Singanellore Tank.
...	...	...	...	...	All are Government tanks and are in good 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.

Proceedings of the Madras Government,

Return of Tanks affecting Lines of Railway for the

District.	Line of Railway.	POINT AT WHICH SURPLUS CROSSES.		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 CALINGULAH AND SURPLUS WEIRS.	
		Miles.	Chains.						Total.	Effective.
1	2	3		4	5	6	7	8	9	
Coimbatore.—(Continued.)	South-West Line.—(Continued)			Noyel River, Left Bank.—(Contd.)						
		This line crosses in the centre of the land and the North Calingulah surplus at 293 34½		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.								
		296th mile.		Irgoor Channel ...	From Noyel River.	...	...	...	...	...
		North-east Calingulah 291 72		Nolambore Tank.	Approximate Area 36 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 & openings are effective.
		South-east Calingulah 292 44								
		Sitnate above this line.		Annoor Tank ...	...	...	...	...	...	...
				Avenashy do. ...	...	...	...	...	...	...
				Sevoor do. ...	...	...	...	...	...	...
				Poodoor Tank ...	{ 12½ 40½ }	{ 1,273	2 ft.	125 ft.	120 ft.	120 ft.
				Total ...	53					
		263 45								
				Vadamooгамkon-ghiempollum Tank.	{ 8 15 }	{ 861	1½ ft.	137 ft.	145 ft.	135 ft.
		Total ...	19							

Public Works Department, 19th April 1876.

Half-year ended 31st December 1875, &c.—(Continued.)

Additional Length of Surplus Weir required.	HEIGHT OF TOP OF BLIND ABOVE.		APPROXIMATE OR ACTUAL.		Special Remarks.	General Remarks.
	Weir Crest.	Top of Dam Stones.	Area of Tank.	Capacity when full.		
10	11	12	13	14		
None	5½ feet.	North Calingulah 3½ feet.	(253) Approximate Acres.	1,095,453 cubic yards.	Government Tank. Retention 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.
		South Calingulah 3½ feet.				
...	...	...	...	...	Government Channel ...	Information will be supplied in next Return. Vide remarks of Coonoamootoor Tank.
100 feet.	4 feet above lowest point in the bank.	No dam stones.	Approximate Acres.	Approximate 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 Talialoor on the Metapollim 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.	...	1,072,659 square yds.	1,417,014 cubic yards.	Government tank. Repaired last year and is in good order.	Capacity of the tank is taken at the sill; 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.	325,203 square yds.	405,014 cubic yards.	Government tank; is in unsatisfactory condition. Estimate will be submitted shortly to put this in good order.	There are two calingulahs 61 and 55 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,

Return of Tanks affecting Lines of Railway for the

District.	Line of Railway.	POINT AT WHICH SURPLUS CROSSES.		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 CALINGULAH AND SURPLUS WEIRS.	
		Miles.	Chains.						Total.	Effective.
1	2	3	4	5	6	7	8	9		
Coimbatore.—(Concluded.)	South West Line.—(Concluded.)	263	45	Noyel River, Left Bank.—(Conclud.)						
				Soondakapolliem Tank.	15	720	2 feet.	73 feet.	77 feet.	77 feet.
				Kanathampolliem Tank.	2½	360	1½ "	57 "	86 "	78 "
				Total ...	7½					
				Vellaravelly Tank.	5	210	1½ "	38 "	41 "	41 "
				Koonathoor Tank.	10	480	1½ "	76 "	179 "	179 "
	Great Southern of India Railway.	263	37	Dalavayputnum Tank.	10	480	2 "	54 "	65 "	55 "
				Chengapully Tank.	16	768	1½ "	122 "	168 "	103 "
				Ooppadimungalum Tank.	...	...	...	...	...	...

COONOR,
4th April 1876.

Public Works Department, 19th April 1876.

Half-year ended 31st December 1875, &c.—(Concluded.)

Additional Length of Surplus Weir required.	HEIGHT OF TOP OF BUND ABOVE.		APPROXIMATE OR ACTUAL.		Special Remarks.	General Remarks.
	Weir Crest.	Top of Dam Stones.	Area of Tank.	Capacity when full.		
10	11	12	13	14		
...	5½ feet.	...	776,800 sq. yds.	524,855 cubic yds.	Government Tank. Repaired in last year, and is in good order.	The surplus water flows into Vadamooagankonghiempolliem Tank.
...	3 "	1½ feet.	378,158 sq. yds.	331,079 cubic yds.	Government Tanks, are in unsafe condition. Estimates for putting them in order will be submitted shortly.	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.
...	2½ "	...	284,240 sq. yds.	184,258 cubic yds.	...	The surplus water drains into Kavathampolliem Tank.
...	4½ "	...	629,519 sq. 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.
...	6½ "	5 feet.	412,603 sq. yds.	558,475 cubic yds.	Government Tanks, and were repaired in last year. These are in good order.	The Dam stones not being allowed to be used.
...	6 "	...	357,540 sq. yds.	357,540 cubic yds.	...	...
...	...	...	...	...	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.

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

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

NE 22 1876

Superintending Engineer's Office,
Coonoor 4th April 1876

From

The Superintending Engineer
Coimbatore.

To, The Chief Engineer for
Irrigation, Madras.

Sir,

Enclosure,
One Statement - 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.

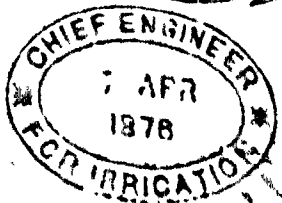
I have the honor to be

Sir,

Your most obedient servant

Wm. H. Colman, R.E.
Superintending Engineer
Coimbatore.

20 Cor. P.M.D. No 37 W. 8/13/4/76



C. D. M. 12 C. S.

M. 2751
2/96.

No 37 W.

Encls. 2.

Forwarded for the information
of Government.

Fort St. George
13th April 1876.

Aug. Sett.

Major R. E.

Deputy Chief Engineer for
Irrigation for Chief
Engineer for Irrigation

To

The Secretary to Government
Pub. Works Department.

From
The Suby Engineer
Irrigation
To The Chief Engineer
Irrigation
P. M. D. No 37 W. 8/13/4/76

Enclosure 1.

Transmitting
P. M. D. No 37 W. 8/13/4/76

Forwarded to the
P. M. D. No 37 W. 8/13/4/76

for the half year
ended 31st Decem-

-ber 1875-

per 1875 Sept.
No: 2751

From

The Chief Eng.
for Irrigation

Dated 13th April 1876.
Recd. 15th April 1876.

C. 2.1. No: 37 W.

Forwarding Return
of tanks affecting the
Ry. lines in the Conibatu
Dist. for half year ended
31st Decr. 1875.

Royal River Right Bank.

301st and
35th Chain
from Coorchy Tank
Chadras
to Calicut

admiral's new 1/2 degree
water. This tank supplied by Royal
River and surplus of Government.
Tank.

637 Cts per second.

2 ft 50 ft 109 ft 109 ft

Wardhath
South West line

Above
Coorchy Coorcamolled
Tank Tank

Approximate area of 1/2 degree
this tank supplied by Royal
River; then, 1/2 inch tank.

Above
Coorcamolled
mooltar Poroor Tank
Tank.

This tank is supplied
from Royal River.

301st Agraraneli
Channel

3.5

1 3 2 2

5 1/2

5

3

3

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4

4

4

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4

4

4

4

4

4

at Odam
Stone 375
Acres

1512500 Cubic ft.

Government Revetment in very good
order and the Tank is
in safe condition.

The other informality
Government will be given in next
Tank. In Return. Delayed owing
good order to the Subordinate Officers
exceedingly of this Taluk were engaged
station and in preparing roads & other
insignificant the reception of His Royal
Highness the Prince of
Wales.

Government. (vide remarks of Coorcamolled
Tank. In mooltar Tank.
good order.

(vide remarks of S. S.
Government. An estimate for a head
sluice is under preparation.

4 1/2 8 1/2 11

Koyel River left Bank

Coimbatore. This tank situated above the South West line.

Coimbatore or Periaculum Tank

Supplied by a Channel from Koyel River and surplus water of 4 or 5 tanks.

Average 880 ft 1 1/2 ft 208 215

208 ft. inclusion of a gap of 165 ft long made in the ground at the extreme end of the tank to a level of 1 foot above the sill of the Calingulak.

Fairgully Branch line.

This line crosses Baladicolund in the Tank. Centre of the Tank at 305 16

Receives supply from the River - Coimbatore Tank through a tunnel.

880 ft 2 ft 33 40 33

Government Tank receives its supply from a hill above. The surplus water runs off into the Calingulak 819 ft per second the gap flows directly into the Koyel a Government River. Head sluice with the bar to the Coimbatore line. Channel is being a Tunnel, the constructed floor level of which is 5 ft below the sill of the Calingulak.

11485880 Dyke 1900

2744000 C. 1900

Government Tank. The Railway. This Tank is 6 ft above the sill of the Calingulak & has stone Revetment on both sides slopes. The surplus water from this Tank flows into the Singanillore Tank.

828600 Dyke - 1900

1721000 C. 1900

Coindatore

South West line

This line
crosses in
the center
of the
Lane & the
North
Calingulak
surplus at
298 3 1/2

South
Calingul
surplus
falls direct
into Hazel
River

Singanellore
Lank.

Approximate area 2 square miles - This
bank is also supplied by a channel
from Tokyo Lagoon.

95/88 2 1/2 88

The splicing length is sufficient

North
Caline
gulch fl.
52 fl. 105/2

Saccharum
Calicut
gubak 10
33 1/2 28

Stone, 5 1/4 ft

o. Korth.
Calicut
gulab
3 3/4 ff

South
Calif.
Jul 10
3 1/4 p.m.

(253) *affascinalis* A. Kees.

10:55-453.00-1900

Government Grants
Revolutions & Grant Card
in good order.

An Estimate for constructing a Head Sluice to the Channel has been submitted, and the work is in progress.

All our Government's friends
and are in good order -

The other information will be given in next Return - Delayed owing to the Subordinate Officers of this Talook were engaged in preparing roads &c. for the reception of His Royal Highness the Prince of Wales.

Information will
Government be supplied in
Channel C. next return. Under
records of Coast
mooloor Tank.

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77

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10th

East

Calingulale

10th

7th

South

East

Calingulale

10th

10th

10th

10th

10th

10th

10th

10th

10th

10th

10th

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10th

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10th

10th

10th above lowest point in the bank.

10th above lowest point in the bank.

10th above lowest point in the bank.

10th above lowest point in the bank.

10th above lowest point in the bank.

Government Tank to the right of the road

Government Tank

This tank intercepts a jungle stream which takes its rise a few miles to the south east of Indialoor on the Khatapollam road with a course of about 10 miles before entering the Tank and also another small stream.

The other information will be given in next Return.

North east
Calingulale
291 72

South east
Calingulale
292 114

Kilambur Tank

Situated above

the main road

to the

river

to the

Qaimbature
South West Lines

263 45

Poodeer Tank	12 1/2	127 2	2 ft	125 ft	126 ft	129 ft
	10 1/2					
Total	53					

Nadamoogam						
Kanghiem	3	864	1 1/2	137	115	135
Polliem Tank	15					
Total	18					

6 3/4 ft

1012658 Square Yards

1117966 Cubic Yards

2 1/2 ft 1 ft

326203 Square Yards

4054711 Cubic Yards

Capacity of the Tank is taken at the sill. Any water in receipt of Government this is allowed to pass away over the Tank. Repaired 2 Culingulaks, 51 and last year 78 ft wide. and is in good order. Catchment basin 12 1/2 Square miles drains direct into a Tank. 10 1/2 Square miles of Drainage of 5 Tanks above belonging to this series.

There are 2 Culingulaks 62 and 85 feet wide. Government Tank. feet wide. is in use. Catchment basin condition 3 square miles Estimate with drains directly be submitted into Tank. 15 square miles, the drains put this in a group of 1 Tank good order. above belonging to this series.

12

Coimbatore
 South West Side

Soondakapollam
 Tank 15 720 2 1/2 73 1/2 77 1/2 77 1/2

Kanathampol. 2 1/2
 lim Tank 5 360 1 1/2 57 1/2 86 1/2 73 1/2
 Total 7 1/2

Vellaraully
 Tank 5 240 1 1/2 38 1/2 44 1/2 44 1/2

Namathoor
 Tank 10 480 1 1/2 76 1/2 79 1/2 79 1/2

263 45

5 1/2 ft

3 ft 1 1/2 ft

2 3/4 ft

1 3/4 ft

776800 17554.82

375153 17554.82

254240 17554.82

629519 271222.42

524555 C. 17554.82

331079 C. 17554.82

184255 C. 17554.82

551515 C. 271222.42

Government Tank. The surplus water flows into Nadamooz gam Kanguliempollam Tank.
 Repaired in last year and is in good order.

Govt. Tanks - are in unsafe condition. Arrangements for putting them in order will be submitted shortly.

There are 4 small Calingulals, 18, 11, 28, & 29 feet wide - Catchment basin 2 1/2 sq miles drain directly into Tank & 5 1/2 miles of drainage of the Tank above belong- ing to this series.

The surplus water drains into Namathampollam Tank.

Government Tank. There are 2 Calingulals 57 and 22 ft wide - Repaired The surplus water in last year flows into Poodear and in good order.

Cambalore

Great Southern India Railway

In the Trichinopoly District

Copra di
Mungalam
Tank

Supp. Engrs Office
Coonoor
4th April 1876

South West Line

262 37 Dalavipput
num Tank 70 180 2 ft 5 ft 15 ft 35 ft

263 45 Chengasputty
Tank 16 768 1 ft 122 ft 168 ft 168 ft

6 ft 5 ft

6 ft

357560 4942

357540 4942

Government Tanks and are
repaired in last year. These
are in good order.

Government Tank
The land is in good
order & its cultivation
is a very effective one.

The surplus from
this Tank does not
directly cross the
line but enters a
Tank in the Trichi-
nopoly District and
the surplus from which
crosses the Railway.
A survey of this
Tank has not yet
been made.

The Dam stones
not being allowed
to be used.

W. M. Wilson Coll R.R.
Supp Engrs Coimbatore

Return of Tanks affecting Lines of Railway for the Half Year ended 31st December 1875
 prepared with reference to G. O. No 3210 of 13th November 1874.

15

1	2	3	4	5	6	7	8	9	10	11	12	13	14
District	Line of Railway	Point at which surplus crops.	Name of Tanks.	Area of Catchment Basin Square Miles.	Estimated Maximum flood discharge, Cubic feet a second.	Estimated Maximum depth of water on crest of surplus weir.	Length of surplus weir required.	Length of existing Catchment also and surplus weirs.	Additional length of surplus weir required.	Height of top of Bund above.	Approximate or actual.	Special Remarks	General remarks.
		Stiles	Chains.					Total	Off set line.	Weir Crest	Top of Dam Stones.	Area of Tank.	Capacity when full.

16/76

be

8. 1. 22

No 981
Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 19th April 1876

Read the following:—

From
The Chief Engineer
for Irrigation } C.R. No 37 W dated 13th April 1876

Ordered to be
recorded
Asst.

7-6

781. Coimbatore
Collector do
Ch. E. for Irrig
1st Div. by 1st Div
Revenue Department
Sept 9th

From
The Superintendent
Engineer
Coimbatore
to
The Chief Engineer
for Irrigation
Puducherry
Dated 14th April 1876
Recd
Return of lands
affecting title of
Railways for the 14th
year ended 31st Decr 1875

Ch. E.

2751

Govt. of Madras
PUBLIC WORKS.

The K. S. Committee

Dist.

Dist.

Dist.

Dist.

19th of Dec. No. 981

Nos.

Return of Tanks affecting
the P. S. in the form
before 8th - ~~Indo~~ of the
Chief Dist. for
submitting
for the half year ending
31st Dec/19

Accepted
10/1/19

(1) No.