

(1) Number of pages _____

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MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	521	(2)	Press
B.P. No.			Mis.
Dated	25	2	1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
25th February 1876.*

Read the following :—

No. 195.

No. 477. *Note by the Chief Engineer for Irrigation.*

With his letter No. 2,868, dated the 11th October 1875, the Superintending Engineer, Chingleput, forwards lists of tanks affecting the South Indian, Carnatic, and Madras South-west Railways.

2. The following tanks command the first-mentioned line :—

MADRAS TANCUM TALUK.							Catchment Area, Square Miles.
Tanks surplusage into Backathoray stream ...	...	...	...	...	...	...	35
Tanks surplusage into Sancer stream ...	...	...	...	...	...	...	33
Areapaukum tank ...	...	...	...	...	...	...	2
Thotuvael tank ...	...	...	...	...	...	...	1
Karangooly ...	...	...	...	...	...	...	340
Clear or Madrauticun surplus stream ...	...	...	...	...	...	...	11
Mambakum tank ...	...	...	...	...	...	...	1
Seroccolathoor tank ...	...	...	...	...	...	...	1½
Vilvarayanallure ...	...	...	...	...	...	...	½
Vasandavady ...	...	...	...	...	...	...	½
Poolecaradeo ...	...	...	...	...	...	...	½
Ammayambattoo ...	...	...	...	...	...	...	5
Takum ...	...	...	...	...	...	...	½
Perayur ...	...	...	...	...	...	...	½
Do. small tank ...	...	...	...	...	...	...	½
Silavattam ...	...	...	...	...	...	...	½
Mullakum ...	...	...	...	...	...	...	½
Oonapalay ...	...	...	...	...	...	...	½
Oloopakum ...	...	...	...	...	...	...	½
Seroccolathoor small tank ...	...	...	...	...	...	...	½
Do. large do. ...	...	...	...	...	...	...	½
Chattoopakum ...	...	...	...	...	...	...	½
Mallamroovathoor ...	...	...	...	...	...	...	½
Palliputto ...	...	...	...	...	...	...	½
Acheravakum small tank ...	...	...	...	...	...	...	5
Kadumallapoothoor ...	...	...	...	...	...	...	4
Perocombair ...	...	...	...	...	...	...	14
Edayatum ...	...	...	...	...	...	...	45
Ongore Madoogoo ...	...	...	...	...	...	...	1½
Karsangul ...	...	...	...	...	...	...	½
Mooreougy ...	...	...	...	...	...	...	½

CHINGLEPUT TALUK.

Nundeveram Series.

Kairambedoo large tank ...	...	...	...	...	...	...	14
Do. thangal ...	...	...	...	...	...	...	1
Kamavakum tank ...	...	...	...	...	...	...	1½
Do. thangal ...	...	...	...	...	...	...	5½
Perumpathumollure tank ...	...	...	...	...	...	...	9
Nundeveram tank ...	...	...	...	...	...	...	9

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25th February 1876.*

<i>Goodoovancherry Series.</i>							Catchment Area, Square Miles.
Numacarai tank ...	...	...	...	...	...	...	1
Do. thangal ...	...	...	...	...	...	...	$\frac{1}{2}$
Pootary tank ...	...	...	...	...	...	...	$3\frac{1}{8}$
Do. thangal... ..	...	...	...	...	...	...	$1\frac{3}{8}$
Vulkanjery tank ...	...	...	...	...	...	...	3
Goodoovangerry thangal ...	...	...	...	...	...	...	$\frac{1}{8}$
Thylaveram tank ...	...	...	...	...	...	...	$\frac{1}{8}$
Do. thangal ...	...	...	...	...	...	...	$1\frac{1}{8}$
Vambakum tank... ..	...	...	...	...	...	...	$\frac{3}{8}$
Oyaloor Kadapary tank... ..	...	...	...	...	...	...	$1\frac{1}{2}$
Do. Hissa do. ...	...	...	...	...	...	...	$2\frac{1}{2}$
Ottevakum tank ...	...	...	...	...	...	...	$\frac{1}{2}$
Manapakum tank ...	...	...	...	...	...	...	$\frac{1}{2}$
Odayambakum ...	...	...	...	...	...	...	1

Isolated Tanks.

Vendaloro Olary... ..	...	...	...	...	...	...	$\frac{1}{2}$
Oorapakum tank... ..	...	...	...	...	...	...	1
Karanay Poodoochary thangal ...	...	...	...	...	...	...	$\frac{1}{8}$
Nunderam thangal ...	...	...	...	...	...	...	$\frac{1}{8}$
Do. Kundoky thangal ...	...	...	...	...	...	...	$\frac{1}{8}$
Goodoovanchary thangal ...	...	...	...	...	...	...	$\frac{1}{8}$
Keelakkaranair tank ...	...	...	...	...	...	...	$\frac{3}{8}$
Settamanoor do. ...	...	...	...	...	...	...	$\frac{1}{2}$
Senkumam do. ...	...	...	...	...	...	...	$1\frac{1}{2}$
Vinjambakum thangal... ..	...	...	...	...	...	...	$1\frac{1}{8}$

Kolanky Series.

Kolanky tank ...	...	...	...	...	...	...	19
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3. Of the above, six have recently been repaired, the estimates for eight are sanctioned or have been submitted for sanction, while the requirements of forty-three are still to be estimated for, and three are reported to be in good order.

4. Many of the tanks require additional escapes, without which they cannot be considered secure.

5. In several respects the statements made are too general, and do not give sufficient information. It is said that the surplus of all the tanks in the catchment basins of the Bookathoray and Sanoor streams surplus into these streams, which cross the railway, but the names of these tanks are not given. It is absolutely necessary that these returns should be accompanied by maps of some sort or other, on which should be shown the relative positions of the tanks and the railway and the line taken by the tank surplus in each case. The connection of the tanks with each other is often complicated, and cannot easily be understood from a written description.

6. A printed form, with detailed instructions for the preparation of these returns, has been prepared and will shortly be issued, so that it is unnecessary to enter into

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25th February 1876.*

further particulars in this Note, but it may be remarked that the collection of the tanks into groups should be arranged as far as practicable in the return.

7. Proceeding to the statement of tanks affecting the Carnatic Railway, the following are found to be the entries:—

							Catchment Area, Square Miles.
Goviadavady large tank ...	...	...	...	...	...	...	6
Do. Chittary ...	...	...	...	...	...	...	5
Parukurumbur large tank ...	...	...	...	...	...	...	1
Strothriam Pudupakum tank ...	...	...	...	...	...	...	2
Do. large tank ...	...	...	...	...	...	...	1

Kamlakal Channel.

Chembumbakum tank ...	...	...	...	...	...	...	1
Pandakumbur Mutta thangal ...	...	...	...	...	...	...	$\frac{1}{2}$
Ariyaparoombakkum large tank ...	...	...	...	...	...	...	4
Strothriam Sernanay large tank ...	...	...	...	...	...	...	$1\frac{1}{2}$
Do. Unmanary thangal ...	...	...	...	...	...	...	$\frac{1}{2}$
Muttavakum tank ...	...	...	...	...	...	...	$1\frac{1}{2}$
Thypeckam do. ...	...	...	...	...	...	...	$\frac{1}{2}$
Keram large do. ...	...	...	...	...	...	...	3
Vajeyoor tank ...	...	...	...	...	...	...	$\frac{1}{2}$
Bungaru thangal tank ...	...	...	...	...	...	...	$\frac{1}{2}$
Thalanga Thandachary large tank ...	...	...	...	...	...	...	$1\frac{1}{2}$
Do. Nalven thangal ...	...	...	...	...	...	...	1
Ladakil channel... ..	...	...	...	...	...	...	3
Puttary tank ...	...	...	...	...	...	...	$1\frac{1}{2}$
Keelamby Malary tank ...	...	...	...	...	...	...	3

8. All these tanks require additional escapes to render them safe, and as yet no estimates have been prepared.

9. In the list relating to the South-west Line of the Madras Railway, the tanks enumerated are—

							Catchment Area, Square Miles.
Therooreer ...	...	...	...	...	...	...	6
Thodoor ...	...	...	...	...	...	...	$3\frac{1}{2}$
Footloor ...	...	...	...	...	...	...	$2\frac{1}{2}$
Purea Croppam ...	...	...	...	...	...	...	$2\frac{1}{2}$
Cadamthoor ...	...	...	...	...	...	...	3
Casangayallatara ...	...	...	...	...	...	...	$2\frac{1}{2}$

10. It is proposed to increase the length of escape in each case, and it appears to be necessary to do so to render them safe. It is not stated whether any progress has been made in the preparation of estimates, and this information should be given in future returns.

Fort St. George,

11th February 1876.

To the Secretary to Government, Public Works Department.

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

Proceedings of the Madras Government, Public Works Department,
25th February 1876.

No. 478. ORDER THEREON, 25th February 1876, No. 521.

IRRIGATION, No. 51.

ORDERED to be recorded.

(True Extract.)

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

To the District Engineer, Chingleput.
" Consulting Engineer for Railways.
" Chief Engineer for Irrigation.
" Revenue Department.

Exd. S. T. Austin.
Spare Copies

Encls 4.

no 195
With his letter no 2060 dated the
11th October 1875 the Superintending Engineer,
Chingleput, forwards list of tanks affect-
ing the South Indian, Carnatic and Madras
South West Railways.

2 The following tanks command
the first mentioned line.

<u>Madras Railway</u>	Catchment area square miles
Tanks surplusage into Bootharay stream	38
Tanks surplusage into Saron stream	38
Chappakur Tank	2
Chokkavil Tank	1/2
Kirangooly	1
Clear on the Madras Railway surplus stream	340
Mambakkur Tank	11
Seppelathur Tank	1
Valurayam Stone	1/2
Vennulavady	1/2
Poolearadoo	1/2
Sururayam hill too	1/2
Pattur	5
Porayur	1/2
Do - small Tank	1/4

	Catchment Area Square Miles
Kilavattam	$\frac{1}{2}$
Mallakam	$\frac{1}{4}$
Anapalay	$\frac{1}{2}$
Aloppakam	$\frac{1}{2}$
Sivomaloor small tank	$\frac{1}{2}$
do large tank	$\frac{1}{2}$
Chattoopakkam	$\frac{1}{2}$
Mallamaroorthoor	$\frac{1}{2}$
Palliputtoo	$\frac{1}{4}$
Acheravankum small tank	$\frac{3}{4}$
Kadumallapookoor	$\frac{1}{2}$
Poombar	5
Edayalam	4
Angore Madoozoo	$\frac{1}{2}$
Karavungal	$\frac{1}{8}$
Moovongay	$\frac{1}{2}$
	$\frac{1}{2}$

Chingleput Taluq
Vandavaram Series

Kairambadoo large tank	
Kairambadoo Thangal	$\frac{1}{4}$
Kamarakum Tank	$\frac{1}{4}$
do Thangal	$\frac{1}{2}$
Pomppathumallore Tank	$\frac{3}{4}$
Vandavaram Tank	$5\frac{1}{2}$
Goodoorancherry Series	9

Vandavaram Tank	
do Thangal	1
	$\frac{1}{2}$

	Catchment Area Square Miles
Pootary Tank	$3\frac{1}{8}$
do Thangal	$\frac{3}{16}$
Villangery Tank	3
Goodoorancherry Thangal	$\frac{1}{8}$
Thylavaram Tank	$\frac{1}{8}$
do Thangal	$\frac{1}{16}$
Vambakum Tank	$\frac{3}{8}$
Oyaloor Kadapary Tank	$\frac{1}{4}$
do Misa Tank	$2\frac{1}{2}$
Ottavakum Tank	$\frac{1}{4}$
Manapakkum Tank	$\frac{1}{2}$
Idayambakum	1

Isolated Tanks

Vindalore Otary	$\frac{1}{2}$
Sorapakkum Tank	1
Karanay Podoochary Thangal	$\frac{1}{8}$
Thunderam Thangal	$\frac{1}{8}$
do Kundety Thangal	$\frac{1}{8}$
Goodooranchary Thangal	$\frac{1}{4}$
Keelakkaramair Tank	$\frac{3}{8}$
Settamanoor Tank	$\frac{3}{4}$
Sankumam Tank	$\frac{1}{4}$
Vinjambakum Thangal	$\frac{1}{8}$

Kolamby Series

Catchment Area
Square miles

Kolamby Tank

17

3 Of the above, 6 have recently been repaired, the estimates for 2 are sanctioned or have been submitted for sanction, while the requirements of 4 are still to be estimated for, and 3 are reported to be in good order.

4 Many of the tanks require additional escapes, without which they cannot be considered perfect.

5 In general respects the statements made are too general, and do not give sufficient information. It is said that the surplus of all the tanks in the catchment basins of the Bookatharay and Lanoor streams surplus into these streams, which cross the railway, but the names of these tanks are not given. It is absolutely necessary that these returns should be accompanied by maps of some sort or other in which

No 25 Feb 20 B.T. 1877

should

should be shown the relative positions of the tanks and the Railway and the line taken by the tank surplus in each case. The connection of the tanks with each other is often complicated and cannot easily be understood from a written description.

6 A printed form with detailed instructions for the preparation of these returns has been prepared and will shortly be issued so that it is unnecessary to enter into further particulars in this note, but it may be remarked that the collection of the tanks into groups should be arranged as far as practicable in the return.

7 Proceeding to the statement of tanks affecting the Criminal Railway, the following are found to be the entries.

	Catchment Area Square miles
Konidwady large tank	6
do Chittary	5
Parukarumbur large tank	1
Strotriam Padupattinam tank	2
do large tank	1

	Catchment area square miles
Kumbhal channel	
Chumbhambum tank	1
Pamhambur mattri Chugal	$\frac{1}{4}$
Kingsparoon kotham large tank	4
Shobhram komanay large tank	$1\frac{1}{2}$
— do — kumanay Chugal	$\frac{3}{4}$
Muttavaham tank	$1\frac{1}{2}$
Khyackham tank	$\frac{3}{4}$
Keram large tank	3
Vajeyoor tank	$\frac{1}{2}$
Bungam Chugal tank	$\frac{1}{2}$
Sholanga Chandalu chary large tank	$1\frac{1}{2}$
— do — Valom Chugal	1
Salakal channel	3
Puttay tank	$1\frac{1}{2}$
Kulamby malaray tank	3

8 All these tanks require additional escapes to render them safe and as yet no estimates have been prepared.

9 In the list relating to the South West line of the Madras Railway, the tanks enumerated are.

	Catchment area square miles
Theroor	6
Thodoor	$3\frac{1}{2}$
Pookoor	$2\frac{1}{2}$
Pareacoppam	$2\frac{1}{2}$
Badambathoor	3
Koranganayallatore	$2\frac{1}{2}$

10 It is proposed to increase the length of escape in each case and it appears to be necessary to do so to render them safe. It is not stated whether any progress has been made in the preparation of estimates and this information should be given in future returns.

Inkhamit George
14th February 1876

Adopted
Major R.E.
for Chief Engineer for Irrigation

The Secretary to Government
Public Works Dept.

ist unendlich klein
zu sein, wenn man
den Abstand zwischen
den Punkten betrachtet
und sich in der Mitte
der Linie befindet.
Man kann sich das
so vorstellen, wie man
in der Mitte einer
Linie steht und die
Enden derselben
betrachtet.

Man kann sich das
so vorstellen, wie man
in der Mitte einer
Linie steht und die
Enden derselben
betrachtet.

Nov. 25. Feby 10. 1877

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1877

FORMER CASES.

Current No. of 187

M. WORKS FORM No. 3.

Current No. 1359

From

The Chief Engr for
Irrigation

No. 195

Dated 14th

Recd 22nd

Feb.

1876

Subject:—

Note on the List of
Sanks affecting the South
Indian, Coastal & Madras
S.W. Railways, submitted by
the Supg. Engr. C. Chingleput

ENCLOSURES. 4

From

to

Orders and Proceedings in file.

Depart- ment.	No.	Date.	ENDORSEMENTS.		
			Depart- ment.	No.	Dated.

No 521. S.H.B.

Proceedings of the head & Co. S.
Under date the 25th Feb 1876
Read the following.

Asm.

The Chief Engr. } (H.E. Engr 195 of 14th Feb 1876)
for Irrigation

Ordered to be
recorded.

Ames
M.W.

LATER CASES.

Current No. of 187

The 25 Feb 1876 A.S. 1877

Am 22-2-76

S.E. Chingleput
C.E. for Dept
C.E. for Dept
Rev. Dept

with 4 Enclosures
marked 164

Ames - 14-3-76

459

Sept. of 1876

PUBLIC WORKS.

For H. Engineer
Cutting
11/1

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Board

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Sept. 29 1876

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