M.R.O. 1—4,002—16 9-48.

(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. / ~~B.P. No.~~ 268. 270.	1377-78	Press / ~~Mis.~~
Dated	17. 5.	1873.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
17th May 1873.

No. 268. Read the following papers :—

From Captain G. SKIPWITH, R. E., Assistant Secretary to the Government of India, Public Works Department, (Irrigation,) to Lieutenant-Colonel J. MULLINS, R.E., Joint Secretary to the Government of Madras in the Public Works Department, Irrigation Branch, dated Simla, 27th August 1872, No. 727-I.

Referring to this office letter No. 66-I. of the 11th May last, I am directed to request the submission for formal sanction of the estimate for the project approved of by the Government of India and designated the 6-feet scheme for enlarging the Chembrumbaukum Tank.

2. As desired in paragraph 8 the estimate should include a sum for "establishment" both "special," if any such has been, or continues to be, employed on the work, as well as the portion of the regular establishment of the province engaged thereon.

No. 228-A.

No. 269. Note by the Chief Engineer for Irrigation.

In order that the component items of the estimate for the improvement of the Chembrumbaukum Tank on the 6-feet scheme may be easily understood two abstracts are subjoined, the one showing whence each item has been obtained, the other the principal items of the estimate.

Abstract Estimate for the improvement of the Chembrumbaukum Tank, 6-feet Scheme, showing whence each item has been obtained :—

Improving and enlarging Tank.

	Rs.	Rs.
Expenditure prior to March 1870, being the first eighteen items in the statement, dated 25th November 1870, printed in G. O., dated 9th March 1871, No. 705	.....	1,39,219
Item A of abstract estimate, dated 17th October 1870	1,31,701	
Item F of do. Sluice Channel	1,273	
	1,32,974	
Deduct error in sluice estimate—*vide* supplemental note, Chief Engineer for Irrigation, dated 3rd February 1871	17,405	
		1,15,569
Total for the tank ...	.....	2,54,818
Item B, raising anicut and extending the head sluice at Koratoor	.....	24,492
Item C, improvement of the new Bungairoo supply channel from Koratoor Anicut to Chembrumbaukum	.....	15,793
Item D, improvement of the old Bungairoo Channel from Kesaveram Anicut down to its junction with the Cooum river	45,200	
Deduct share debitable to other works—*vide* supplemental note, Chief Engineer for Irrigation, dated 3rd February 1871	10,000	
		35,200
Item E, improvement of the Soudrycal or Supply Channel from Streepermatoor tank	.....	7,714
Sundries	.....	13,827

Compensation for lands and houses—*vide* statement, dated 17th October ...	...	...
1870, printed in G. O., dated 9th March 1871, No. 705	11,000	
Do. do. statement, dated 24th November 1870, do. do.	3,579	
	14,579	
Deduct amount shown in supplemental note, Chief Engineer for Irrigation, dated 3rd February 1871, printed in G. O., dated 9th March 1871, No. 705	4,859	
		9,720
Engineer's bungalow—*vide* statement, dated 24th November 1870, printed in G. O., dated 9th March 1871, No. 705		2,100
Road from tank to Trunk Road No. 3—*vide* statement do. do. ...		4,568
Alteration of Trunk Road No. 1—*vide* statement do. do. ...		40,731
Superintendence entered in estimate, Rs. 4,14,000—*vide* statement do. do. ...		5,037
		4,14,000
Superintendence entered in District Engineer's statement, dated 3rd April 1873. Actual up to 1871-72	46,650	
Deduct amount above shown	5,037	
	41,613	
Actual in 1872-73	7,695	
Estimated in 1873-74	10,172	
Do. in 1874-75	10,172	
Contingent	1,378	
		71,000
	Total ...	4,85,000

ABSTRACT ESTIMATE *for the improvement of the Chembrumbaukum Tank, Chief Scheme.*

Improving and enlarging the tank	2,54,818
Raising the Koratoor Anicut and enlarging the head sluice	24,492
Improving the new Bungairoo Supply Channel from Koratoor Anicut to the tank	15,793
Improving the old Bungairoo Channel from the Kesavaram Anicut to the Cooum	35,200
Improving the Sondrycal or the Supply Channel from the Streepermatoor tank	7,714
Sundries	13,827
Compensation for lands and houses	9,720
Engineer's bungalow	2,100
Road from tank to Trunk Road No. 3	4,568
Alteration of Trunk Road No. 1	40,731
Superintendence prior to March 1870	5,037
Establishments	71,000
Total ...	4,85,000

FORT ST. GEORGE,
11th April 1873.

(Signed) J. MULLINS, Lieut.-Colonel, R. E.,
Chief Engineer for Irrigation.

From Colonel F. J. MOBERLY, R. E., District Engineer, Chingleput, to Lieutenant-Colonel J. MULLINS, R. E., Chief Engineer for Irrigation, dated Guindy, 3rd April 1873, No. 16.

WITH reference to your letter No. 212, dated 2nd October 1872, to the address of the Superintending Engineer, 4th Division, I have the honour to enclose a statement of the cost of establishment to Chembrumbaukum Tank Project up to the date of its completion.

Proceedings of the Madras Government, Public Works Department,
17th May 1873.

2. As a portion of the total cost of the project up to 1872-73 includes the outlay charged to extraordinary grants, a proportionate amount of the Chief Engineer and his establishments salary is also entered in the statement.

3. The figures in column 2 are those obtained from a statement furnished by the Controller of Public Works Accounts.

4. The proportionate amount of salaries of the Superintending, District, and Executive Engineer's establishment was obtained by comparing the total outlay in the division, district, and range with that of the Chembrumbaukum Tank Project as detailed in the accompanying statement.

Statement showing the Expenditure which has been incurred for Special Establishment employed in the Chembrumbaukum Tank Project from the commencement of the work up to the end of 1871-72, *and the probable Expenditure from* 1872-73 *to* 1874-75 *under those heads for the completion of 6-feet Project.*

Particulars of Charges.	Expenditure up to the end of 1871-72.	Actual Expenditure in 1872-73.	Probable Expenditure		Total.	Remarks.
			In 1873-74.	In 1874-75.		
	Rs. A. P.	Rs. A. P.			Rs. A. P.	
Salary of the Assistant Engineer Mr. Lowry of the Chembrumbaukum	20,119 5 8	450 0 0	...	...	21,569 5 8	† These are the cost of the establishment directly chargeable to the project.
Travelling allowance of do. do. do.	4,037 7 0	74 0 0	...	...	4,111 7 0	
Survey Establishment, temporary	3,585 2 9	.....	...	...	3,586 2 9	
Salary of Upper Subordinate, permanent	2,431 5 10	.....	...	...	2,431 5 10	
Travelling allowance of do. do.	178 0 0	.....	...	...	178 0 0	
Salary of Office Establishment, temporary	5,154 13 5	653 3 10	408	408	6,624 1 5	
Do. of Petty Establishment	368 10 0	175 0 0	...	...	543 10 0 †	
Contingencies	339 8 4	.....	...	...	339 8 4 †	
Conservancy	358 8 0	126 0 0	126	126	736 8 0	
Salary of Mr. Watkins, Supervisor, permanent ...	.....	1,590 0 0	1,800	1,800	5,190 0 0	
Travelling allowance of do. do. ...	.....	325 0 0	600	600	1,525 0 0	
Proportionate charge on account of the department of the Chief Engineer for Irrigation for 1868-69 and 1869-70	4,154 13 0	.....	...	...	4,154 13 0	
Proportionate amount of Establishment of the Superintending Engineer	3,911 2 0	*699 0 0	...	...	4,571 2 0	* From April to November 1872.
Proportionate amount of Establishment of the District Engineer, Chingleput...	.....	*436 0 0	1,957	1,957	4,350 0 0	From December to March 1875.
Do. do. do. of Mount Range	.....	3,106 0 0	5,281	5,281	13,668 0 0	
Do. do. do. of Poonamallee Range in 1867-68...	2,010 0 0	.....	...	...	2,010 0 0	Proportionate charge.
Total...	46,649 12 0	7,665 3 10	10,172	10,172	74,658 15 10	

Guindy,
3rd April 1873.

(Signed) F. J. MOBERLY, Colonel, R.E.,
District Engineer, Chingleput.

Proceedings of the Madras Government, Public Works Department,
***17th May* 1873.**

No. 270.

ORDER THEREON, 17th May 1873, No. 1,377.

ORDERED that the following letter be sent:—

IRRIGATION, No. 10.

(Here enter No. 1,378, dated 17th May 1873.)

(True Extract.)

(Signed) J. MULLINS, Lieut.-Colonel, R.E.,
Joint Secretary to Government.

Exd. E. C. Shunker.

PUBLIC WORKS DEPARTMENT.
OOTACAMUND, 17*th May* 1873.

No. 271. No. 1,378.

FROM

COLONEL G. W. WALKER, R.E.,
Secretary to the Government of Madras,
Public Works Department.

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
Public Works Department.

IRRIGATION, No. 11.

SIR,—As requested in the Assistant Secretary's letter No. 727-I., dated the 27th August 1872, I am directed to submit, for the formal sanction of the Government of India, an abstract estimate, amounting to Rupees 4,85,000, for the enlargement of the Chembrumbaukum Tank on the 6-feet scheme.

2. The estimate as now submitted is the same as that formerly approved by the Government of India with an addition for establishments, namely :—

	RS.
Work Estimate	4,14,000
Establishments	71,000
Total...	4,85,000

3. In support of the entry for establishments, I am to submit a statement which has been prepared by the District Engineer, Chingleput, in communication with the Controller of Public Works Accounts.

4. A copy of the Proceedings of this Government, No. 1,377, dated 17th May 1873 is also enclosed.

I have the honour to be,
Sir,
Your most obedient servant,

Lieut.-Colonel, R.E.,
Joint Secretary to Government.

Exd. E. C. Shunker.

Abstract Estimate for the improvement of the Chembrumbaukum Tank. 6 feet Scheme.

Improving and enlarging the Tank.	2,54,818
Raising the Korater Anicut & enlarging the head Sluice.	24,492
Improving the new Bungalow Supply Channel from Korater Anicut to the tank.	15,795
Improving Old Bungalow Channel from the Kesavarayu Anicut to the Cooum.	35,200
Improving the Gondry Kal or the Supply Channel from the Screwnator Tank.	7,714
Sundries	13,827
Compensation for lands and houses.	9,720
Engineers Bungalow.	2,100
Road from Tank to Trunk Road No 3	4,568
Alteration of Trunk Road No 1.	40,731
Superintendence prior to March 1870	5037
Rupees.	4,14,000
Establishments	71,000
Total Rupees	4,85,000

Ly.

Statement showing the Expenditure which has been incurred for Special Establishment employed in the Chembarambakkum Tank Project from the Commencement of work up to the End of 1871/72 and the probable expenditure from 1872/73 to 1874/75 under those heads for completion of 6 feet Project.

Particulars of Charges	Expenditure up to the End of 1871/72	Actual expenditure in 1872/73	Probable Expenditure In 1873/74	Probable Expenditure In 1874/75	Total	Remarks.
Salary of the Assistant Engineer Mr. Lowry of the Chembrambakkum	2011 9 8	450 " "	" " "	" " "	2056 9 8	These are the Cost of the Establishment directly Chargeable to the Project.
Travelling allowance of ____ do ____ do ____	403 7 "	74 " "	" " "	" " "	411 7 "	
Survey Establishment Temporary ____	358 6 9	" " "	" " "	" " "	358 6 9	
Salary of Upper Subordinate Permanent ____	243 5 10	" " "	" " "	" " "	243 5 10	
Travelling allowance of ____ do ____ do ____	178 " "	" " "	" " "	" " "	178 " "	
Salary of Office Establishment Temporary ____	615 13 5	653 3 10	408 " "	408 " "	662 1 3	
do of Petty Establishment ____	368 10 "	175 " "	" " "	" " "	643 10 "	
Contingencies ____	339 8 4	" " "	" " "	" " "	339 8 4	
Conservancy ____	358 8 "	126 " "	126 " "	126 " "	736 8 "	
Salary of Mr. Watkins Supervisor Permanent ____	" " "	1890 " "	1800 " "	1800 " "	5190 " "	
Travelling allowance of ____ do ____ do ____	" " "	395 " "	600 " "	600 " "	1595 " "	
Proportionate charge on account of the Department of the Chief Engineer for Irrigation for 1868/69 and 1869/70 ____	415 13 "	" " "	" " "	" " "	415 13 "	
Proportionate amount of Establishment of the Superintending Engr ____	391 2 "	660 " "	" " "	" " "	467 2 "	*From April to Nov. 1872
____ do ____ do ____ do ____ District Engineer Chingleput	" " "	436 " "	1957 " "	1957 " "	4350 " "	†From Dec. to March 1873
____ do ____ do ____ do ____ of Mount Range	" " "	3106 " "	5281 " "	5281 " "	13668 " "	Proportionate Charge.
____ do ____ do ____ do ____ of Poonamallee Range in 1873	201 " "	" " "	" " "	" " "	201 " "	
Total Rupees	4664 9 12	7665 3 10	10172 " "	10172 " "	74658 15 10	

Chief Dist. Engrs Office
Guindy 3 April 1873

Lt. Col R.E.
District Engr Chingleput

No. 16.

CHINGLEPUT DISTRICT ENGR.'s OFFICE,
Guindy, 3 April 1873.

From

THE DISTRICT ENGINEER,

Chingleput.

To

Lieut.-Colonel John Mullins R.E.
Chief Engineer for Irrigation

SIR,

1 With reference to your letter No. 212 dated 2nd October 1872 to the address of the Superintending Engineer 4th Division, I have the honor to enclose a Statement of the cost of Establishment to Chembrumbaukum Tank Project up to the date of its completion.

2 As a portion of the total cost of the Project up to 1872/73 includes the outlay charged to Extraordinary grants a proportionate amount of the Chief Engineer and his Establishments salary is also entered in the Statement.

3 The figures in column 2 are those obtained from a Statement furnished by the Controller of Public Works Accounts.

4 The proportionate amount of Salaries of the Superintending, District and Executive Engineers establishment was obtained by comparing the total outlay in the Division, District and Range with that of the Chembrumbaukum Tank Project as detailed in the accompanying Statement.

I have the honor to be,
Sir,
Your most obedient Servant,

Colonel, R.E.,
District Engineer, Chingleput.

No. 228. A.

Letter No. 727 I of the 27th August 1872 from Government of India.

Note by the Chief Engineer for Irrigation.

In order that the component items of the estimate for the improvement of the Chembrambaka am Tank on the 6 feet scheme may be easily understood two Abstracts are subjoined, the one showing whence each item has been obtained, the other the principal items of the Estimate.

Abstract Estimate for the improvement of the Chembrambakam Tank 6 feet scheme showing whence each item has been obtained.

Improving and enlarging Tank.

Expenditure prior to March 1870 being the first 18 items on the Statement

From
The Deputy Superintending Engineer
Cuddalore Circle
To
The Chief Engineer for Irrigation
Madras

Dated 23 August 1873
Rec'd 5 Sept
No. 1115 etc
Encl: 1

Encloses a statement of the cost of the Chembrambakam Tank to 31st March 1873 with plan and abstract of estimate for completion.

B 2504/73
Rec'd 7 May 1873

Statement dated 25th November
1870 printed in G. O dated
9th March 1871 No. 705 ——— 1,39,249

Item A. of Abstract Esti=
=mate dated 17th October 1870 — 131,701

Item F of — do: — Sluice
Channel ——— } — 1273
1,32,974

Deduct error in Sluice Esti=
=mate vide Supplemental
Note Chief Engineer for Irri=
=gation dated 3d February
1871 ——— 17405 1,15,569

Total for the Tank 2,54,818

Item B. raising Anicut and ex=
=tending the head Sluice at Ko=
=ratoor ——— 24,492

Item C. Improvement of the
new Bungaroo supply Channel
from Koratoor Anicut to Chem=
=brambaukam ——— 15,793

Item D. Improvement of the old
Bungaroo Channel from Kese=
=veram Anicut down to its junc=
=tion with the Coum river —— 45,200
Deduct share debitable to
other works vide Supplemen=
=tal Note Chief Engineer for
Irrigation dated 3d Feby 1871 — 10000 35,200

Carried Over —— 330303

Brought over — 330303

Item E. Improvement of the Soudryal
or supply Channel from Streeperna=
=toor Tank ——— 7714
——— 13827
Sundries ———

Compensation for lands and houses
vide Statement dated 17th October 1870,
printed in G.O. dated 9th March 1871,
No. 705 ——— 11,050
Do. — Do. — Statement
dated 25th November 1870 — do — do 3579
14579

Deduct amount shown in Sup=
=plemental Note Chief Engineer
for Irrigation dated 3d Febru=
=ary 1871 printed in G.O dated
9th March 1871 No. 705 ——— 4859 9720

Engineers Bungalow vide State=
=ment dated 25th November 1870
printed in G.O dated 9th March
1871 No. 705 ——— 2,100

Road from Tank to Trunk
Road No. 3 vide — do — do — do ——— 4,568

Alteration of Trunk Road No. 1
vide — do — do — do ——— 40,731

Superintendence entered in Esti=
=mate Rs. 414000 vide — do — do ——— 5037
414,000

Superintendence entered in District Engi=
=neers Statement dated 3d April 1873.
Actual up to 1871-72 ——— 46650
Deduct amount above shown 5037 41,613

Carried over — 41,613 414,000

Brought Over 414,000

Actual in 1872-73	7,665
Estimated in 1873-74	10,172
——do.—— in 1874-75	10,172
Contingent	1378
	71,000
Total Rupees	485,000

Abstract Estimate for the improvement of the Chembrambaukum Tank

6 feet Scheme.

Improving and enlarging the Tank	2,54,818
Raising the Koratoor Anicut and enlarging the head sluice	24,492
Improving the new Bungairoo supply Channel from Koratoor Anicut to the Tank	15,793
Improving the old Bungairoo Channel from the Kesavaram Anicut to the Coorum	35,200
Improving the Soundry Kal or the Supply Channel from the Streeperumatur Tank	7,714
Sundries	13,827
Compensation for lands and houses	9,720
Engineers Bungalow	2,100
Road from Tank to Trunk Road No. 3	4568
Alteration of Trunk Road No. 1	40,731
Superintendence prior to March 1870.	5037
Carried Over Rs.	414,000

Brought Over Rs. 414,000

Establishments	71,000
Total Rupees	485,000

St. Saint George
4th April 1873.

Sir,

I have the honor to be
Your most obedient Servant
Chief Engineer for Irrigation

To,

The Secretary to Government
Public Works Department.

No 1377 P.W.D

Rec. from the Bandra Sub-

Read the following:-

From the Sub-Judge Bandra (A.D. No 729 & 827 "Aug 72)

" Chuckling for Engr (— — 228 & 911 "April 73)

Ordered that the
following letter be sent.

Secretary to date

Ex. 20/4/73

Dated 1873 Received
Recorded
Sent Office No 1377
dated 23rd April 1873.
Executive Engineer, Bandra
Superintendent
Sir,
I am directed by
Government to request
that you will
P.T.O.

Dated 1873
Received 22 April
1873.

No 228-82.

Sir,

With reference to the
subject noted in the
margin I am directed
to forward herewith
for the information
and guidance of
the Executive Engineer
a sketch of the
Bandra Town Project
& Petition of the
Inhabitants.

I have &c.
Sd/- 1377 - 1873 20/4/73
Asst Secy to Govt

Sept.

No. 1378

To the Secretary to the
Government of India.

Sir

I requested me
the Assistant Secretary
letter No 727 I. dated
the 27th August 1872,
I am directed to submit
for the formal sanction
of the Government of
India an Abstract
estimate amounting
to Rupees 4,85,000 for
the enlargement of
the Chambrembaukum
Tank on the 6 feet
scheme

scheme.

2 The estimate as now submitted is the same as that formerly approved by the Government of India with an addition for establishments viz:-

Work Estimate ____ 4,14,000

Establishments ____ 71,000

Total Rupees 4,85,000

3 In support of the entry for establishments, I am to submit a statement which has been prepared by the District Engineer Chinglepet in communication with the Controller of Public Works Accounts.

A

A Copy of the Proceedings of this Government No. 1377 dated 17th May 1873. Cd also enclosed.-

Ln. 17/4/73

Secy.

Desp. 2 June 1873 with Est. Copies of G.O. No. 1377 dated 17 May 1873.

No. 2504 & 4354

Govt. of India

PUBLIC WORKS.

To The Secretary to the
Govt of India

Dated

Rec'd. Encl.s

G. O. 17 dated 13 No. 1377 1378

No. 268 & 270 of 71

Chentrimbakum
Tank, Chengleput
District. Passing orders
on papers relating to
the Estimate for the
Enlargement of the
Tank.

Forwarded, with
remarks, abstract &c.
Estimate for the enlarge-
ment of the Chentrim-
bakum Tank -

R. 268-71.