M.R.O. 1—77,006—8-6-37.

(1) Number of pages 5

(2) Date of repair 27-6-39

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works **DEPARTMENT.**

G.O. No. 1562 Press / Mis.

272-13

Dated 15-8-1861.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 15th August 1861.

No. 272. Read the following letter from Lieutenant-Colonel W. H. HORSLEY, Chief Engineer, to J. D. SIM, Esq., Secretary to Government, dated Chepauk, 2nd August 1861, No. 3,463 :—

1 Copy of letter from the District Engineer, Bellary, No. 317, dated 22nd December 1860.
1 Original letter, No. 2, dated 1st May 1861.
1 Estimate.
1 Specification.
1 Survey.
1 Plan of Sluice.

SIR,

1. I have the honor to forward an estimate amounting to Rupees 730, for constructing a new sluice and cutting a new channel from the Páthacotta Chervoo tank in the Gooty Táluq of the Bellary District.

2. There is at present an old sluice and a channel, which has to cross one of the surplus channels of the tank by an Aqueduct, situated immediately below the Calingulah, and of course receiving the full force of the first impetus of the discharging water, so that the former work is evidently in continual jeopardy, and requires repeatedly to be repaired at a heavy expense to Government.

3. Under these circumstances the District Engineer considered it necessary to fix the site of the sluice in a different position, so as to allow the channel to convey its water without crossing the Surplus Channel, and at the same time to supply the lands irrigated by the old channel. These particulars are embraced in the present estimate, which has been approved of by the Collector.

Rupees 730.

4. The tank is of the first class, and is capable of containing nine millions of cubic yards of water, of which perhaps three millions may be drawn off by the new sluice for irrigation purposes.

5. The present extent of cultivation is stated in Captain Flint's Report as 447 acres, yielding a revenue of Rupees 2,296; but the Collector's Return, which is of course the most trustworthy, gives the Ayacut average as only Rupees 305, and assessment at Rupees 1,567, and the average revenue derived from the tank for the past five years as Rupees 1,126.

6. The Collector does not give the probable increase of cultivation and revenue; but the District Engineer, in his letter dated 22nd December 1860, speaks of it as 50 acres, which assessed at six Rupees an acre, would give 300 Rupees; but in his latter letter, No. 2, dated 1st May 1861, he gives it at 70$\frac{3}{4}$ acres, which at the moderate assessment of Rupees 4 per acre (with some deduction for the present assessment on the dry crops), would give Rupees 245, or nearly 33$\frac{1}{2}$ per cent. on the proposed expenditure, Rupees 732.

7. A greater extent of land is no doubt available, and may eventually be brought under cultivation, but it is not safe to reckon upon it at present.

8. A sketch map showing the direction of the channel, and the spot where the sluice is to be constructed accompanies this letter.

9. As there is every likelihood of the project being a remunerative one, I beg to recommend that the estimate, which has been scrutinized in this Office, may be sanctioned for immediate execution from the repair fund of the District for the current official year.

No. 273. ORDER THEREON, 15th August 1861, No. 1,562.

The estimate of Rupees (730) seven hundred and thirty, submitted with this letter, is sanctioned for immediate execution out of the repair fund of the Bellary District for the current year.

(Signed) J. D. SIM,
Secretary to Government.

PUBLIC (ROADS)

New work

ABSTRACT of Estimate No. of 186 -

ROAD No.

DISTRICT Bellary

WORK Opening a new Channel with a new Sluice from the Pathacotta Chervoo Tank.

Quantities.	Description of Work.	Rate. Rs.	A.	P.	Amount. Rupees.	Amount of each part. Rupees.
	New Sluice					
1832	C^{ft} Stone in Chunam C^{ft}	"	1	"	115	
180	do Cunker Jelly do	"	1	"	11	
30	Covering Stones Each	"	8	"	15	
2	Orifice Stones do	1	"	"	2	
	Excavating foundation	"	"	"	8	
	Channel					
6610	C^{ft} Earth work C^{ft}	"	1	4	551	
	Extra Establishment & Sundries				28	
	Total Rupees				730	

Central Office of P.W. Chepauk, 2nd August, 1861.

Lieut. Colonel
Chief Engineer & P.W.

4/pr 2

Quantities.	Description of Work.	Rate.			Amount.	Amount of each part.
		Rs.	A.	P.	Rupees.	Rupees.

Central Office of P. W.
Chepauk 2nd August 1861.

No. 3463

From,

Lieut.-Colonel W. H. Horsley
Chief Engineer

To,

J. D. Sim Esquire
Secretary to Government P. W. D.
Fort Saint George.

Irrigation

Sir,

I have the honor to forward an Estimate amounting to Rupees 730. for constructing a new Sluice and cutting a new Channel from the Pathacotta Chervoe Tank in the Gooty Taluq of the Bellary District.

2 There is at present an old Sluice and Channel which has to cross one of the Surplus Channels of the Tank by an Aqueduct situated immediately below the Calingulah and of course receiving the full force of the first impetus of the discharging water, so that the former work is evidently in continual jeopardy, and requires repeatedly to be repaired at-

Enclosure
Plan & Estimate

From
The Chief Engineer
Do. Do.
The Secretary to Government

Date and Number
Received

No. 3463
Estimate of Rupees 730
for constructing a new Sluice
& cutting a new Channel from
the Pathacotta Chervoe Tank
in the Gooty Taluq of the
Bellary District.
Amounting to Rupees 730

at a heavy expence to Government.

3 Under these circumstances the District Engineer considered it necessary to fix the site of the sluice in a different position, so as to allow the Channel to convey its water without crossing the Surplus Channel, and at the same time to supply the lands irrigated by the old Channel. These particulars are embraced in the present estimate which has been approved of by the Collector. Rs. 730.

4 The tank is of the first class and is capable of containing 9 Millions of Cubic Yards of water of which perhaps 3 Millions may be drawn off by the New Sluice for irrigation purposes.

5 The present extent of cultivation is stated in Captain Flint's Report as 1467 Acres, & yielding a Revenue of Rupees 2,296, but the Collector's Return, which is of course the most trustworthy, gives the Ayacut average as only Rupees 305, and assessment at Rupees 1,567, And the average revenue derived from the Tank for the past 5 years as Rs. 1126.

6 The Collector does not give the probable increase of cultivation and revenue, but the District Engineer, in his letter dated 22nd December 1860 speaks of it as 50 Acres, which, assessed at 6 Rs. an acre, would give 300 Rupees, but in his latter letter No. 2, dated 1st May 1861, he gives it at 70⅔ Acres, which at the moderate assessment of Rupees 4 per acre, (with some deduction for the present assessment on the dry crops) would give Rupees 245, or nearly 33½ per cent on the proposed expenditure, Rs. 732.

7 A greater extent of land is no doubt available and may eventually be brought under cultivation, but it is not safe to reckon upon it at present.

8 A Sketch Map shewing the direction of the Channel and the spot where the Sluice is to be constructed accompanies this letter.

9 As there is every likelihood of the project being a remunerative one, I beg to recommend that the Estimate, which has been scrutinized in this Office, may be sanctioned for immediate execution from the Repair Fund of the District for the Current Official year.

Central Office of P.W.
Chepauk 2nd August 1861

I have the honor to be
Sir,
Your Most Obedient Servt.

F.W.R. Captain
for Dep. Chief Engr. C.C.

Edw. Prowley Lieut. Colonel
Chief Engineer.

Comp. 1093

Public Works Dept
From
No 1784

Lieut-Col. H. H. Worsley
Chief Engineer

To, J. D. Sims Esqr.
Sec. to Govt. P. W. D.
Fort St. George

Dated 7th August 1861.
Rec'd 8th Do.

Ent Letter No. 3463

Submits a Plan and Estimate Amounting to Rupees 730 for Constructing a Sluice and Cutting a New Channel from the Pathiccotta Cheroo Tank in the Gudy Talaq of the Bellary District and requests Sanction for the Same from the Repair Fund of the District for the Current Official year.

No. 1562. 15th Aug.

No. 1562.

The estimate of Rs (730) seven hundred and thirty submitted with this letter is sanctioned for immediate Execution out of the Repair fund of the Bellary district for the current year.

Fort St George
15th August 1861

13 Copies
Chief Engineer with 5 Tracings
3. Accts Genl
3. Civil Paymaster

Chief Engr

No. 272 & 273.

Cir Engr Bell