

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 1104	Press ~~Mis.~~
432-433	
Dated 25-4-	1865.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
25th April 1865.*

No. 432. Read the following letter from Lieutenant-Colonel J. C. ANDERSON, R. E., Superintending Engineer, 2nd Division, to Colonel C. A. ORR, R. E., Secretary to Government, Department Public Works, dated Masulipatam, 4th April 1865, No. 157:—

SIR,

1 Plan
1 Abstract estimate.

1. I have the honor to submit an estimate, amounting to Rupees 15,200, for a tunnel under the Masulipatam canal where it crosses the Sultanagarum swamp, in lieu of the one destroyed by the clycone of 1st November last.

2. The original under-tunnel was a small work of two vents, each 6 feet span, and cost Rupees 5,323.

3. A project for draining the Sultanagaram swamp was not in contemplation at the time it was designed, and it served merely to equalize the surface of the water in the two sections of the swamp.

4. The work now estimated for will have 10 vents of 8 feet, and with the aid of the channels, which form the subject of a separate estimate, will give the means of draining the swamp completely. The probable cost as compared with the water-way is less than that of the original work, which arises from the latter having been prolonged sufficiently to allow of a small aqueduct being carried on the top, as it was thought probable that a supply of drinking water might be brought into the town by that route.

5. The arrangements which have lately been made for conveying the supply of drinking water across the swamp, where it is crossed by the bridge on the Hyderabad road, renders it unnecessary to make any similar provision in the new tunnel.

No. 433. ORDER THEREON, 25th April 1865, No. 1,104.

CIVIL WORKS, No. 72.

1. The estimate submitted with this letter, amounting to Rupees 15,200, for the construction of a tunnel under the Masulipatam canal where it crosses the Sultanagaram swamp is sanctioned.

2. Rupees 5,000 have been allotted*

* See G. O. No. 791, dated 21st March 1865.

for expenditure on the work during the current year. The balance of the esti-

mate will be granted, on the Superintending Engineer's application after the 1st proximo.

(True Extract.)

(Signed) CHARLES A. ORR, R. E.,
Secretary to Government.

To the Superintending Engineer, 2nd Division.

„ Accountant General.

„ Controller of Public Works Accounts.

Exd. S. T. Augustin.

No 157

Superintending Engineers Office
2nd Division Masulipatam
4th April 1865

From

Lieut Col J. C. Anderson R. E.
Supt Engineer 2nd Division

To

Colonel C. A. Orr R. E.
Secretary to Government
D. P. W.

Sir

I have the honor to submit an Estimate amounting to Rs 15,200 for a Tunnel under the Masulipatam Canal where it crosses the Sullangarum Swamp, in lieu of the one destroyed by the Cyclone of 1st November last.

2 - The original under-Tunnel was a small work of 2 Vents each 6 feet span, and Cost Rs. 53.2.3

3 - A project for draining the Sullangarum Swamp was not in contemplation at the time it was designed, and it served merely to equalize the surface of the water in the two sections of the Swamp.

4 - The work now Estimated for will have 10 Vents of 8 feet, and with the aid of the Channels, which form the subject of a separate Estimate, will give the means of draining the Swamp completely. The probable cost as compared with the waterway is less than that of the original work which
arises

arise from the latter having been prolonged sufficiently to allow of a small aqueduct being carried on the top as it was thought probable that a supply of drinking water might be brought into the Town by that route

5- The arrangements which have lately been made for conveying the supply of drinking water across the Swamp where it is crossed by the Bridge on the Hyderabad road renders it unnecessary to make any similar provision in the new Tunnel.

I have the honor to be

Sir

Your Most Obedt. Servant.
J. Anderson or Lieut. Col. R. B.

Superintending Engineer 2nd Division

L. K.
Esq.

ABSTRACT ESTIMATE No. of 1864-65

Nistara District

Work

Constructing an inner Tunnel under Manipalpur Canal where it crosses the Sultanagarum Swamp.

Quantity.	Description of Charges.	Rate.	Amount.	Total.
14508.6	1 st of Concrete — Cft.	" 2	62266 15 6	
35190	2 nd of Masonry — Sq.	" 3	67697 13 "	
229	Squares of Paving — Sq.	3 "	684 "	
326	1 st of Carries — Sq.	1 "	326 "	
	Centering		500 "	
	Excavation and Baling		1500 "	
	Temporary Channel & Road		1500 "	
	Tunnel and Subsequent Removal			
			14477 12 6	
			722 3 6	
	Surries and Contingencies			
	Total Rupees.			15200 " "

Superintending Engineer
Manipalpur
27th February 1865.

J. Anderson or Lieut. Col. R. B.
Superintending Engineer
2nd Division.

G. H. S. M. S.
Collector

1877 Dec 2/65

Wm. H. P. Lincoln
No 24 of 18th - 1855

Richard P. Lincoln

Construed by a June 18
under the act of 1855
and the act of 1855
the act of 1855
the act of 1855
the act of 1855
the act of 1855

From 25th of June 1855 to 1855

2d Division

Dear

2d ed) 4th edn 1845

11-11-11

20

6 Dec 15200

210, 110A - 25704 June 65 -

William Greco

e. 204. d. 111c 1865-Ad. 2307

2/20/104

No. Adams streets

re-sanctioned.

I suppose \$5000 have

on the work during the
current year. The balance
of the Estimate will be
granted, on the differencing.

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conbrms acell
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