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MADRAS RECORD OFFICE.

Government of Madras.

DEPARTMENT.

G.O. No.	Press Mis.
Dated	18 . . .

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PUBLIC WORKS DEPARTMENT.

Public.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter from Captain E. HEMERY, R. E., Acting Deputy Chief Engineer, Central Circle, to Colonel W. I. BIRDWOOD, R. E., Secretary to Government, Public Works Department, dated Chepauk, 25th September 1862, No. 259:—

SIR,

- 1 Letter from the District Engineer, Presidency, No. 1,312, dated 15th September 1862.
- 1 Letter from the District Engineer, Presidency, No. 894, dated 30th July 1862.
- 1 Abstract Estimate.
- 1 Plan.
- 1 Comparative Statement.

1. I have the honor to submit for sanction a revised estimate amounting to Rupees 21,900 for widening the General Hospital Bridge.

2. The original estimate amounting to Rupees 17,400 was approved of by Government in their Order No. 2,559 of the 12th December 1860. It bears date the 12th January preceding, but owing to the rise in the price of materials during the past

two years, the District Engineer, Presidency, has taken the precaution of revising it prior to the commencement of the work.

3. The excess of the revised over the original estimate, Rupees 4,500, as shown in the accompanying Comparative Statement, is chiefly in the items for centerings, coffer dam, and removing masonry; Lieutenant-Colonel Hitchins also proposes to plaster with three instead of two coats as originally intended, the former process being in his opinion the more economical for buildings within two or three miles of the sea.

4. In the Budget of 1862-63, Rupees 10,000 have been entered for expenditure on this bridge, and a similar sum is sanctioned for widening the Elephant Gate Bridge, distant about half a mile from the former. These works have now been transferred to the Local Fund Budget and the allotment for each reduced to 5,000 Rupees.

5. Lieutenant-Colonel Hitchins points out the very great inconvenience that will be caused by closing both bridges at the same time, and suggests that the total amount allotted for the two works should be expended in widening one bridge only. I am of opinion that his request may be complied with, more especially since the sanctioned amount for this year has been so much reduced that little progress could be made on either work with its small allotment.

ORDER THEREON, 2nd October 1862, No. 2,361.

- 1. Under the explanation afforded the Government sanction the revised estimate amounting to Rupees 21,900 for widening the General Hospital Bridge.
- 2. The suggestion contained in paragraph 5 is approved.

* Rs. 15,330.

3. The Government would wish to be informed whether the estimate* for the Elephant Gate Bridge is likely to be exceeded, and if so, by what amount.

(True Extract.)

Colonel, R. E.,

Secretary to Government.

To the Deputy Chief Engineer, Central Circle, with three enclosures.

„ Chief Engineer.

„ Accountant General.

Exd. S. T. Augustin.

Work For widening the General Hospital Gate Bridge from 25 to 40 feet in the clear and reducing the slope of the 2 Approaches to one in 40 feet prepared agreeably to the orders of the Chief Engineer D. P. W. No 11747 dated 17th April 1857.

Quantity	Description of work	Rate	Amount	Total
	Linking 38 buckwills and filling the same with brick jilly and river sand &c complete each	65	2470	
7178 $\frac{1}{2}$	Brick work in chunam	2 5	8636 5 8	
3311	Archwork in chunam	3 8	3050 7	
	Erecting centering for the above arches with mango wood planks for sleepers 3 rd sort wall bricks in clay for piers for props palm-rah for ties & joists & bucks in clay for forming segment walls doing mud plastering &c complete also taking down and removing the same and collecting the materials after the completion of the work		1400	
322 $\frac{1}{2}$	Cordon work in chunam	3 1	62 2 4	
9000	Plastering with 3 coats of chunam	3 12 8	720 6 8	
	Constructing dam and erecting coffer dam by driving 2 rows of piles & fastening them with fascine bundles stiff clay straw & scaffolding ropes & filling the intermediate space with common earth & lashing the piles heads with coir ropes & baling water with Picottahs &c complete also cooly hire for removing the same & collecting the materials after the completion of the work		2000	
	Carried Over		18339 5 8	

Qty	Description of work	Rate	Amount	Quantity	Description of work	Rate	Amount
	Brought Over		1833	5 8	Brought Over		
	Cooly hire for cutting and removing part of the masonry of the present Bridge & excavating the foundation and filling with earth over the arches and between the wing walls &c		752		350 Cubic yards Raising and filling with earth from the wing walls to the road watering and well beating down for forming a new slope of one in forty the earth to be obtained from the River adjoining the ground	1 6	32 13
11800	Laying road with laterite stone jelly and gravel of bunches thick watering and well beating down also strewing over with sea sand	3 8	413		8400 Laying road with laterite stone jelly & gravel of bunches thick watering and well beating down also strewing over with sea sand	3 8	291
	Sundry charges and scaffoldings &c		977	10 4	Pundry charges &c		13 3
							340
	Raising an approach between the Bridge and General Hospital Gate				Total Rupees Twenty one thousand & nine hundred		21900
2624	Brickwork in chunam						
4400	Plastering with 2 coats of chunam	2 5	396	5 4			
	Fixing 4 old posts of the turner styles	2	2	88			
	Cooly hire for cutting and removing the old parapet walls and excavating the foundation and levelling the earth			1 4			
1294	Raising and filling with earth from the wing walls to the gate watering and well beating down for forming a new slope of one in 40 the earth to be obtained from the Dams and River adjoining the ground	1 6	121	5 9			
12400	Laying road with laterite stone jelly and gravel of bunches thick watering and well beating down also strewing over with sea sand	3 8	434				
	Pundry charges &c			26 5			
				7 1080			
	Raising an approach on the west side of the Bridge						
	Brought Over						
				21560			

NB No provision is made for Lanterns and iron works which are to be supplied by the Municipal Commissioners.

Original Estimate 17200.

For Dist. Engrs Office
Dumchao
30th July 1862.

Robertson Secy
District Engineer Presidency

Amount of Estimate for the above work Rs. 17400.
was approved by Govt on the 12th Decr. 1860 No. 2559.

29th. 2906/62

Central Circle Office P.W.
Chepauk

25th September 1862.

N^o 257.

From

Captain E. Hemery R.E.

Asst. Chief Engineer C.E.

To

Colonel W. S. Birdwood R.E.

Secretary to Government I.P.W.

Sir,

I have the honor to submit for sanction

Enclosed 5-
Letter from the Dist. Engr. Presidency of 1312 of 16th Sept. 1862
Letter from the Dist. Engr. No. 4 of 20th Nov. 1862-
Abstract Estimate.
1 Plan
1 Comparative Table

a revised estimate amounting to Rs. 21,900.

for widening the General Hospital Bridge.

The original estimate amounting to Rs. 17,400 was approved of by Government in their Order N^o 2559 of the 12th December 1860. It bears date the 12th January preceding, but owing to the rise in the price of materials during the past two years, the District Engineer Presidency has taken the precaution of revising it prior to the commencement of the work.

3 The excess of the revised over the original estimate, Rs. 4,500, as shown in the accompanying Comparative

Comparative Statement, is chiefly in the items for center-ings, coffer dam, and removing masonry; Lieut. Colonel Mitchins also proposes to plaster with three instead of two coats as originally intended, the former process being in his opinion the more economical for buildings within two or three miles of the sea.

4 In the Budget of 1862/63, Rs. 10,000 have been entered for expenditure on this bridge and a similar sum is sanctioned for widening the Elephant gate bridge, distant about half a mile for the former. These works have now been transferred to the Local Fund Budget and the allotment for each reduced to 5000 Rupees.

5 Lieut. Colonel Mitchins points out the very great inconvenience that will be caused by closing both bridges at the same time and suggests that the total amount allotted for the two works should be expended in widening one bridge only. I am of opinion that his request may be complied with, more especially since the sanctioned amount for this year has been so much reduced that little progress could be made on either

either work with its small allotment.

I have the honor to be Sir,

Believe me, Sir, to be, Sir,

Central Circle Office P.W.

25 September 1862.

Chief Engineer B. Circle

Yours

Colonel W. S. Birdwood, R.E.

Secretary to Government P.W.

The Hon. J. B. Esq. & Co.

Reichle

The Secretary to Government
J. P. M.

Galathea & Co.
Peruich & Co.
Dipterodon 1842

Price: 75¢

Wm. B. Turner
June 20th 1850
of 23 of Bond St. N.Y.

of which I heard
of a few days

Colonel's Commission, to B. 21900
for attesting the General's Military
Widow and recommends that
the additional sum of \$1000
for W. A. B. B.

26

over the directional indicator

may be sanctioned & that the
1870 may be authorized &

Expenditure during the current
Official year.

1892. 10. 10.

Hydron Order

Under the explanation.

afforded the Government action
the period Estimate annually

to \$21,000 for widening
the General Hospital Bridges -

The suggestion contained
in para 5 is approved.

The Government
would wish to be informed whether
the Revenue for the Merchant
Gate Bridges is likely to be
exceed