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MADRAS RECORD OFFICE.

Government of Madras.

Public (Gen.) DEPARTMENT.

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Dated 5 (1) 18

Not to be folded or roughly handled.

Proceedings of the Madras Government, Public Works Department, 3rd November 1862.

No. 52. 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, 24th October 1862, No. 307 :—

SIR,

1 Letter from the District Engineer Presidency, No. 1,337, dated 16th September 1862.
1 Abstract Estimate, Rupees 71,440.
1 Comparative Statement.
1 Specification.
1 Plan of the sea wall, dated 16th September 1862.
1 Plan showing the position of the lines of Railway, dated 7th October 1862.
1 Section of the sea wall for connecting the Pier with the Sea Custom House, dated 3rd October 1862.
1 Section of the Pedestal, dated 10th October 1862.
1 Section of the wing wall of the Pier, dated 10th October 1862.

1. Government in their Order, No. 861 of the 29th April 1862, sanctioned an estimate amounting to Rupees 62,350 for connecting the Pier with the Custom House. On the 24th June following, Lieutenant-Colonel Ouchterlony then in charge of the Central Circle, in submitting for sanction a supplemental estimate amounting to Rupees 10,408 for extra work required to the approaches of the Pier, recommended that the Pier should at once be connected with the shore by Errol wood piling. This proposal was referred by Government in their Order No. 1,501A, dated 30th December to the Pier Committee, who, in their letter as per margin,* recommended its adoption, but in a subsequent letter stated that there were difficulties in effecting the work which were not before known to them, and suggested that the original plans should be adhered to with such alterations as the Chief Engineer considered advisable.

* Dated 4th July 1862, No. 32.
Dated 16th „ „ „ 34.

2. In paragraph 2 of their Order No. 1,759 of the 23rd July 1862, Government requested that any alterations in the sanctioned design might be duly reported, information being at the same time furnished as to whether they would entail any additional expenditure.

3. In pursuance of the above Order and of paragraph 2 Order of Government No. 1,850, dated 4th August last, I now have the honor to submit with the documents as per margin,† a revised estimate amounting to Rupees 71,440 for completing the communication between the Pier and the Custom House and for raising the Custom House Yard to a level with the flooring of the sheds.

† 1 Letter.
1 Estimate.
1 Report.
1 Statement.
5 Plans.

4. The original estimate provided for three rows of wells to be sunk 5½ feet below the level of the screws of the piles sustaining the Pier ; but owing to the compactness of the sand and to the number of stones met with in the course of the operations the wells have with great difficulty been sunk to the level of the screws and the revised plan provides for only two rows of wells 6 feet in height filled with concrete, the interstices between the wells being also filled with the same material for which no provision had been made in the original estimate.

5. Cement has been substituted for common chunam, bricks of a superior make have been provided for, an item has been added for an enrockment in front of the sea wall, to be carried up to the present bulwark on each side of the approaches, provision has also been made for a dam and for raising the public road and Custom House Yard to a level with the flooring of the sheds.

6. Knowing the great importance attached by Government to the vigorous prosecution of this work, I have, in anticipation of sanction, authorized Lieutenant-Colonel Hitchins to proceed with it according to the revised plans and estimates herewith submitted for the favorable consideration of Government.

No. 53. ORDER THEREON, 3rd November 1862, No. 2,631.

Referred for the consideration and early report of the Pier Committee.

(Signed) W. I. BIRDWOOD, Colonel, R. E.,
Secretary to Government.

Central Circle Office
Chepauk
24th October 1862

(N° 307)

From
Captain E. Memery R.E.
Asst Deputy Chief Engineer
Central Circle

To
Colonel W. J. Birdwood R.E.
Secretary to Government
Public Works Department

Sir,

Government in their Order N° 861 of the 29th April 1862 sanctioned an Estimate amounting to Rupees 62350 for connecting the Pier with the Custom House. On the 24th June following, Lieutenant Colonel Puchterlony then in charge of the Central Circle, in submitting for sanction a supplemental estimate amounting to Rupees 10,408 for extra work required to the approaches of the Pier, recommended that the Pier should not at once be connected with the shore by Errol wood piling. This proposal was referred by Government in their Order N° 1501 A dated 30th December to the Pier Committee, who, in their letter as per margin, recommended its adoption, but in a subsequent letter stated that there were

* 4th July 1862 N° 32
6th July 1862 N° 34

difficulties

difficulties in effecting the work which were not before known to them and suggested that the original plans should be adhered to with such alterations as the Chief Engineer considered advisable.

2 In Para 2 of their Order N° 1759 of the 23d July 1862 Government requested that any alterations in the sanctioned design might be duly reported, information being at the same time furnished as to whether they would entail any additional expenditure.

3 In pursuance of the above order and of Para 2 Order of Government N° 850 dated 4th August last I have the honor to submit with the documents as per Margin a revised estimate amounting to Rupees 71,440. for completing the communication between the Pier and the Custom House and for raising the Custom House yard to a level with the flooring of the Sheds.

*	1 Letter
	1 Estimate
	1 Report
	1 Statement
	5 Plans

4 The original estimate provided for 3 rows of wells to be sunk 5½ feet below the level of the screws of the piles sustaining the pier; but owing to the compactness of the sand and to the number of stones met with in the course of the operations the wells have with great difficulty been sunk to the

level of the screws and the revised plan provides for only two rows of wells 6 feet in height filled with concrete, the intervalices between the wells being also filled with the same material for which no provision had been made in the original estimate.

5 Cement has been substituted for common Chunam; bricks of a superior make have been provided for, an item has been added for an encrochment in front of the Sea wall, to be carried up to the present Bulwarks on each side of the approaches, provision has also been made for a dam and for raising the Public Road and Custom House Yard to a level with the flooring of the Sheds.

6 Knowing the great importance attached by Government to the vigourous prosecution of this work, I have, in anticipation of sanction, authorized Lieutenant Colonel Fitchino to proceed with it according to the revised plans and estimates herewith submitted for the favorable consideration of Government.

I have the honor to be &c.

Central Circle Office
Chepauk....
24th October 1862

Captain R.E.
Asst. Deputy Chief Engineer
Central Circle

Pur: 29th April 1862 Nos 456, 457
" 23rd July — — 485 } 61
486 }

PWD 1st Department
Pd Lr: of 6th Nov 1862.

From
Lieut Col Dyt Chief Engineer
&c &c
To
The Secretary to
Government PWD

Dated 24th }
Recd 27th } October 1862

No 2631-3rd Nov Letter on order
Enclos: 9 Sets Plans &c

Forwards revised Plans and Estimates amounting to Rupees ——— 71440. for Completing the Communication between the Pier and the Custom House and for raising the Custom House yard to a level with the flooring of the sheds and recommends the same for the sanction of Government

No 52. 53.

No 2631.

Referred for the consideration and early report of the Bir Committee.

Chepauk
3rd Nov 1862

2 Copies.
To the Chairman of the Bir Committee with 9 Encls. Dupt Ch
13 — do — Deputy Chief Engr C. Circle

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