

MADRAS RECORD OFFICE.

Government of Madras.

Marine DEPARTMENT.

G.O. No.	162.	Press Mis.
Dated	7-5-	18 61

Not to be folded or roughly handled

Proceedings of the Madras Government, Marine Department,
7th May 1861.

No. 9. Read the following Proceedings of Government in the Public Works Department,
dated 30th April 1861, No. 876.

Communicating the Order passed on a letter from
the Chief Engineer, submitting Report from
Captain Gib, on the operations of the Steam
Dredge at Paumbam for the official year
1859-60. } (Vide Proceedings Public Works Department,
dated 30th April 1861, Nos. 453 and 454.

No. 10. ORDER THEREON, 7th May 1861, No. 162.

Communicated to the Superintendent of Marine,

(Signed) T. PYCROFT,
Chief Secretary.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter from the Chief Engineer :—

Submits a letter from Captain Gib, superintending operations at Paumbam, reporting on the work performed by the Steam Dredge in the Paumbam Channel from the 1st May 1859 to the 30th of April 1860. (Here enter 23rd February 1861, No. 10,299.)

ORDER THEREON, 30th April 1861, No. 876.

1. The Chief Engineer submits, with the foregoing letter, the Report on the operations at Paumbam for the official year 1859-60. This Report was made by Captain Gib immediately after the close of the year, and was transmitted by the District Engineer to the Central Office in May 1860; but it was overlooked there, and when found, was delayed for further information. These facts account for the tardy submission to Government of the paper; but the delay is not creditable to the Department of the Chief Engineer's Office concerned.

2. The Steam Dredge was at work during the greater part of the first half of the year under report, *i. e.*, from May till the middle of October 1859. In the first month only 4,815 cubic feet of material were raised, the Dredge being at that time employed in the Reef Channel, the rocky bed of which is against the working of a Dredge. The following four and a half months were occupied in the Sand Bank Channel, and during this time 3,04,603 cubic feet of mud and sand were removed.

3. The work of the year, as compared with that of the preceding year, stands as follows :—

	1858-59.	1859-60.	Decrease.
	Cubic feet.	Cubic feet.	
Reef Channel.....	68,414	4,815	63,599
Sand Bank do.	6,43,420	3,04,603	3,38,817
Total...	7,11,834	3,09,418	4,02,416

No reason is given for the great falling off in the work done. Neither is it explained why the Dredge was idle during the whole of the latter

* 2nd September 1859, No. 4,498, paragraph 14, recorded in G. O. 4th October 1859, No. 2,365.

half of the year. In Colonel Bell's review* of the previous year's operations, it is particularly

recommended that work should be confined to the four months, from the middle of December to the middle of April, as being, it is presumed, the most favorable; but during these months in 1859-60 nothing at all was done.

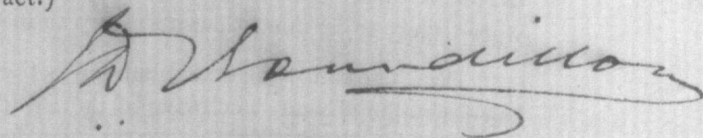
4. The estimate for the improvement of the Sand Bank Channel, amounting to Rupees 15,700, and sanctioned on 25th August 1858, No. 1,719, was for deepening the passage to thirteen feet at low water, neap tides; increasing its width from 80 to 150 feet; and extending the thirteen-foot Channel at both ends through the shoal water. The estimate provided for the removal of 11,65,383½ cubic feet or 43,162½ cubic yards of material.

5. The actual results attained, up to the end of the year under report, appear to be as follows :— 10,17,157 cubic feet of material have been removed at the cost of Rupees 15,360.† The minimum depth in the Channel, which is 733 yards in length, is ten feet, and the maximum, fourteen feet: the greatest breadth with eleven feet of water at neap tide, is 161 feet, and the narrowest 120 feet. The accounts of the expenditure are somewhat confused, in consequence of part of the sanction for the Sand Bank Channel having been expended on the Reef Channel, and as the various statements do not agree, it is not apparent what is the exact amount of work accomplished for the proper objects of the estimate.

† Chief Engineer's Report, paragraph 5

17. No mention is made in this report of the Hand-dredge sanctioned by Government on 25th August 1858, No. 1,719, paragraph 8, and which, according to Colonel Bell,* was to have been completed in June 1859. A supplemental estimate for its completion, amounting to Rupees 150, was, it appears, sanctioned on 9th November 1859, No. 2,624.

(True Extract.)



Secretary to Government.

To the Chief Engineer.

„ Marine Department.

„ Superintendent, Fort Saint George Gazette Press.

Exd. S. T. Augustin.

3 Copies sent

No. 21st October 1859
 " 10th Nov^r 1859. No. 28th 30
 Cu 14th Sept^r 1858 No. 11 1812
 No 9th Jan^y 1861 No. 30 1831-

list of 17 May

45-3 + 45-6

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Marine 1861 Sept 6

No. 100: of 100th in the
 P. No. 25 876.

St. 30th April 3 1861.
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Long the order passed on
 a letter from the Chief In-
 sinner submitting the report
 from Captain Gib on the
 operations of the steam
 dredge at Portsmouth
 for the official use -
 1859-60.

with an Order

27/

No. 102 - 7 May 1861
 Communicated to
 the Supdt. of Ma-
 rine.

[Signature]

The Supdt. of Marine. Sept 27-56