

(1) Number of pages 6

(2) Date of repair 18.6.67

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. *2694*

39-40

Press

~~Mis.~~

Dated *3-9-* 18 *67*

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd September 1867.*

No. 39. Read the following letter from the Officiating Superintending Engineer, 8th Division, to the Secretary to Government, Department Public Works, dated Courtallum, 21st August 1867, No. 1,031:—

1. With reference to G. O. No. 2,280 of the 29th July 1867, I have the honor to state that the amount sanctioned for cutting away the inner angle of the Paumben Reef Channel, Rupees 43,340, has not yet been expended, the total expenditure up to the end of the past official year having been Rupees 27,635, and up to the 31st July 1867, Rupees 29,385. There is, therefore, a good deal of work still remaining to be done, before the projecting angle is cleared away. The work is now being carried on; blasting was commenced on the 7th instant, after an interval of rough weather, but difficulty was then still experienced on account of the strength of the current. The removal of the angle will of course facilitate the passage of vessels; but it does not cause an actual obstruction, as vessels drawing 11 feet of water are shown to pass through the channel.

2. With reference to the arrangements for pushing on the works, adverted to in G. O. No. 2,957 of the 15th September 1866, the machinery for another hand-dredge has been indented for, from Madras, and when this is ready, faster progress will be made. The upper crust of the sand-stone is found to be generally very hard, and requires to be blasted; the divers then bring up the broken fragments, which are carried away in boats to the shore, but in getting deeper down, the sand-stone is softer, and a good deal is taken up by dredging. The process of dredging is, by the employment of convict labor, much less expensive than that of blasting; and, as it effects the greater part of the clearance, at the lower depths, only the hard blocks of stone being blasted, we depend a great deal on the dredging work, and the additional dredge will prove of much service.

3. The suggestions of the Superintendent of Marine will be attended to in taking the soundings, and the Head Pilot at Paumben has promised to give his assistance to the Overseer in charge. As to silting taking place, this is found to occur only at the extremities of the channels, when the current is variable about the change of the monsoons, (I have seen the current change its direction several times in one day through the reef); but in the main channel itself no deposit of silt remains, for the strength of the current is sufficient to sweep it away entirely.

No. 40. ORDER THEREON, 3rd September 1867, No. 2,694.

CIVIL WORKS, No. 5.

Communicated to the Superintendent of Marine with reference to his letter of the 18th July 1867, No. 2,528.

(True Extract.)

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

To the Superintendent of Marine.
„ Marine Department.
„ Superintending Engineer, 8th Division.

Erd. F. R. Bantleman:

on account of the strength of the current

Eff

No. 1031 Superintendent
Constellation 2

From
Captain J. S.
Off^r Superintending C.
S. E.

To
Colonel C.
Secretary to Government
Madras

Sir,
With reference to
of the 29th July 1867. I have
to state, that the amount spent
on the inner angle of the
Channel, Rupees 13,340 has
been expended; the total expended
of the past Official year
Rupees 27,635; and up to the
Rupees 29,385. There is then
a large amount of work still remaining to be
done, the projecting angle is cleared
and the work is carried on; but

The removal of the single will of course facilitate the passage of vessels, but it does not cause an actual obstruction; as vessels drawing 11 feet of water are shown to pass through the Channel. —

2 With reference to the arrangements for pushing on the works, ordered to in R.O. N^o 2957 of the 15th September 1861 the machinery for another hand dredge has been indentified for from Madras: and when this is ready, faster progress will be made. — The upper crust of the sand stone is found to be generally very hard, and requires to be blasted: the divers then bring up the broken fragments: which are carried away in boats to the shore: but in getting deeper down, the sand stone is softer, and a good deal is taken up by dredging. The process of dredging is, by the employment of convict labor, much less expensive than that of blasting: and as it effects the greater part of the clearance: at the lower depths, only the hard blocks of stone being blasted: we depend a great deal on the dredging work: and the additional dredge will prove of much service. —

The

3 The suggestion of the Superintendent of Marine will be attended to, in taking the soundings and the Head Pilot at Pamblico is prepared to give his assistance to the Current exchange: As to silting taking place this is found to occur only at the extremities of the Channels, where the current is variable about the change of the monsoons: when the Current changes its direction several times in one day, through the reefs: but in the main Channel itself no deposit of silt remains, for the strength of the current is sufficient to sweep it away entirely.

I have &c.

Ans. Sundarast. Captain R.E.
Off. of the Surveying Engineer S. Division

Wm. B. B. 28/18
Geo: B. B. for the 18/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

out of business
Admrs of the 18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18

Wm. B. B. 28/18