

*Proceedings of the Madras Government, Public Works Department,
22nd February 1866.*

No. 485. Read the following Proceedings of the Madras Government in the
Marine Department:—

Sanctioning, from Port Funds, the revised estimate amounting to Rupees 1,316, for constructing a Flagstaff at Mangalore in the South Canara District. (Here enter 15th February 1866, No. 43.)

No. 486. ORDER THEREON, 22nd February 1866, No. 616.

CIVIL WORKS, No. 63.

Communicated to the Superintending Engineer of the 7th Division, for information and guidance.

(True Extract.)

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

To the Superintending Engineer, 7th Division, with one Enclosure.
" Controller of Public Works Accounts.
" Accountant General.

Exd. S. T. Augustin.

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*Proceedings of the Madras Government, Marine Department,
15th February 1866.*

Read the following papers :—

No. 26. From the Superintending Engineer, 7th Division, to the Secretary to Government, Public Works Department, Fort Saint George; dated Coimbatore, 9th January 1866, No. 226.

Since receipt of G. O., No. 3500, of 20th November, I have been informed by the Collector of Canara and the Acting Sub-Engineer in charge of Mangalore Range that however well founded my own and Mr. Franklin's opinion may be, as to the sufficient height of the new site for the Flag-staff at Mangalore, without erection of a Tower, so far as regards the elevation absolutely necessary for signalling to craft in the roads, yet that such additional height is desirable on other grounds.

2. A belt of cocoanut trees will intercept all view of shipping from the base of the Flag-staff at the new site, whereas the Collector considers that they should be visible to persons working the signals from below; and it will be much less costly to build the Tower with help of convict labor, than to clear off all trees in the way. Twelve only of these must come down, whether the Tower is built or not. I have, therefore, the honor to re-submit the original estimate of Rupees 1316, and to recommend its adoption, in lieu of that of Rupees 450, there being Port Funds much more than adequate to meet the charge.

P. S.—I am at a loss to understand how I could have misled the Superintendent of Marine into the belief that no trees intervened between the new site and the anchorage, but it is evident, from his letter to Government, that I have done so.

Referred to the Marine Department, with reference to the Orders in that Department, No. 235, dated 8th November 1865.

FORT SAINT GEORGE,
16th January 1866.

(Signed) C. A. ORR, Colonel, R. E.,
Secretary to Government, P. W. D.

Referred to the Superintendent of Marine, with reference to his letter, dated 28th October 1865, No. 3765.

FORT SAINT GEORGE,
25th January 1866.

(Signed) A. J. ARBUTHNOT,
Chief Secretary.

No. 27. From the Superintendent of Marine, to the Chief Secretary to Government, Fort Saint George; dated Madras, 29th January 1866, No. 410.

In returning the letter from the Superintending Engineer, 7th Division, of the 9th instant, regarding the Flag-staff at Mangalore, referred to me on the 25th, I have the honor to enclose the original letter from that officer of the 23rd October last, No. 132, upon which my communication to Government of the 28th idem, was written. It will be seen that Colonel Walker expressed an opinion that the tower was not necessary, and as the trees in front were at a level of 40 to 60 feet lower, it was natural to infer that they did not intercept the view of the shipping.

2. As, however, it appears that they do so, and that an additional height of 20 feet is needed, I recommend the estimate in its original form for sanction; the amount, Rupees 1316, being met from the Port Fund.

From the Superintending Engineer, 7th Division, to the Superintendent of Marine, Madras; dated Coonoor, 23d October 1865, No. 132.

I have the honor to refer, for final disposal by you, and early submission to Government (as requested in its last paragraph), extract of a letter from the Collector of Canara, on the subject of the removal of the Flag-staff at Mangalore, from the position it now occupies, to one about 280 yards further back from the coast line, but 58 feet higher, as clearly shown in the accompanying illustrative sketch with Section.

2. I myself recommended to Mr. Morris' predecessor the neighbourhood of the site to which preference is now given, when first called on to estimate for the work; but that gentle-

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man, selected the site on which the Flag-staff now stands. I can, therefore, cordially support the present proposition. But I do not see the necessity of adding further to the height attained, by an artificial mound of Laterite Stone, 20 feet above the level of the ground, or of clearing away any of the trees growing in front, but at a level of from 40 to 60 feet lower. On this point, however, you are the proper authority to decide; and I content myself, therefore, with marking on the original Estimate, in red ink, the items making up a total of Rupees 450, which the mere change of site will cost—from which Rupees 50 may be deducted for materials and labor supplied by convicts, leaving Rupees 400 to be defrayed from Port Funds.

Extract from letter, No. 87, dated Mangalore, 12th October 1865, from the Collector of South Canara, to the Superintending Engineer, 7th Division.

1. With reference to your letter of the 6th ultimo, No. 8, I have the honor to forward (in a separate packet) a Survey and Section prepared by Mr. Supervisor Fernandez, of the ground between the present and proposed sites of the Flag-staff at this Port, also an Estimate of the cost of the removal of the same, together with the improvements I have had the honor to suggest, amounting in all Rupees 1316.

3. I quite concur with my predecessor in thinking that the Flag-staff ought to be near the Custom House, but I must submit that a mistake has been made in placing it on the fore shore of the river, on such low ground, and with the back ground (which formed the old rampart of the Fort) rising almost immediately behind, this back ground being further thickly covered with large and lofty cocoanut trees. I have not been able to ascertain, from measurement, the height of these trees, but some of them cannot be less than 60 or 70 feet from the ground, and it is therefore very apparent that they must altogether overtop the height at which the signals are at present shewn, viz., 56 feet from the present base of the Flag staff. Such being the present state of things, I conclude it is not difficult to conceive why the signals, as at present exhibited, are not made out, and that, for purposes of communication with the shipping, the Flag-staff on its present site is practically useless.

5. The site now proposed by me, while it is distant only 286 yards from the present site, is, as you are aware, the nearest high ground available, and is on the top of the rampart. As shewn by Mr. Fernandez, it is nearly 60 feet above the level of the present one, and by the erection of the proposed Tower, and the retention of the present spars, an additional height of nearly 80 feet would be gained. There can, I think, be no question that this would be an immense improvement, and that if the Flag-staff is removed to the place I have indicated, there could be no reason for complaining of the signals not being seen, nor, in the event of the cocoanut trees intervening shooting up, of their coming in the way of the present yard arm. To prevent, however, the possibility of this, I have caused an entry to be made in the Estimate of Rupees 96, to be paid for the removal of 12 trees in a line between the proposed site and the present anchorage.

6. The Estimate seems at first sight a large one, but of this you will be able to form a better judgment than I can. I would only observe that I think it can be materially reduced by convict labor being employed, and this the Officer in charge of the Jail will, I am sure, readily supply.

7. I beg, in conclusion, to urge that, if the work is to be done at all, it should be done at once—the trading season having opened, and the Steamers being now run regularly. You are also aware how tedious communication by boats with the shipping at Mangalore at all times is, and therefore how important it is to have the works completed before the Coffee shipping season commences in January. The Estimate, if it receives your approval and countersignature, has only to be submitted to Government through the Marine Department, and I have every hope and confidence that, if it receives your approval, the amount will be at once granted out of Port Funds. No expenditure of these Funds can, I submit, be at this time more necessary or desirable.

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15th February 1866.*

No. 28. ORDER THEREON, 15th February 1866, No. 48.

The Governor in Council sanctions the revised estimate for constructing a Flag-staff at Mangalore, at a cost of Rupees (1316) one thousand three hundred and sixteen, to be charged to the Port Fund.

(True Extract).

G. J. H. Burns
Chief Secretary.

To the Superintendent of Marine.
" Public Works Department, with Estimate. ✓
" Accountant General.
" Collector of South Canara.

Exd. J. H. Burns.

W. J. H. Burns

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Leaf 115 2nd H. 115

NO 616

Command of the
Dept of Engineers
of the 7. Ave in
information and
guidance.

Grant & Hanger?
22 and 25 July 1886

[Signature]

to 5570 on 10th Street
to 20 Central
to 20 W 1st
leaf 23 2nd H. 115

P.W. 1005 Department.
Pro. of Govt. for February
No. 699.

Pro. of the Madras Govt.
in the Marine Dept.

Of 15th }
Recd 20th } February/66

Ca. 1. A. 10

Sanctioning from
Port Funds, the revised
estimate amounting
to Rs. 1316, for con-
structing a flagstaff
at Mangalore in the
South Canara District.

A. 405. 406.

With an order
no. 616-22nd July 1866

405-406
Sanctioned
23rd February
1866