

Gobt. of (18) Madras.

To

The Public Works Dept

Recd: 15. 6. 94

Proceedings, dated 8th June 1894
No. 213.

Subject.

Inquiring of the Presidency
Port-officer for what period
Mr. Ashpitel's services for ins-
pecting the Coast lights are
required stating that Mr. Ash-
pitel's remarks on the suitabi-
lity of the old Madras light-
for Point Divi will be awaited
and that his opinion should also
be taken on the P.O. officer's pro-
posals regarding the lights at
certain other places, and request-
ing the P. W. Dept to furnish
plans and estimates for certain
improvements to the light house
at Point-Divi

No. 15684. d/25 June 1894

B
communicated
Communicated
to the Chief Engineer for
Irrigation for Mr.
Ashpitel's information,
also to the Superintending
Engineer II Circle for
submission of the
plans and estimates
referred to in para
3 of the Presidency
Port-officer's letter.
Port-officer's letter

Lco/6

Cormy
18.6.94

bk: Engr for Irrigation
Ch. S. for
S. E. II Circle.

Commander Powell's letter.

/True Extract/

Atty. Gen. Thelley

Capt. R.

Under Secretary, P.W.D.
for Chief Secretary.

1877-78
1878-79
1879-80
1880-81

The Public Works Dept.
Presidency Post Office

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Commander Powell's letter.

Atty. Gen. Thelley

Under Secretary, P.W.D.
for Chief Secretary.

The Public Works Dept.
Presidency Post Office

light for the present inferior light at Manapad Point, which does not even show over the whole sea horizon, and the color of which is red the latter defect nullifying the whole advantage gained by the high elevation of the light. A column 20 feet high would probably suffice.

(3) Improvements to Pelliherry light as set forth in my N^o 1693/168 G. of 4th May 1894.

(4) Provision of a sheltered light room at Cannanore.

7. With the future adoption of occulting apparatus, occasional improvements to burners and the provision of a petty harbour light from time to time, I consider that the proposals now made comprise all the requirements of this coast for many years to come.

8. On receipt of the views of Government on the first paragraph of my letter and their sanction to the preparation of estimates, I will furnish full details on any point upon which they may be required, but it seems to me to be useless going into the question of cost until some idea is gained of the cost of the various engineering portions of the scheme.

9. The first change at seven Pagodas will cost nothing except the price of chimneys.

The apparatus for Manapad would cost about £ 600; the apparatus for Point Divi 4th order, about

about £ 600; apparatus for Point Divi 3rd order about £ 1,300.

Order: of 3rd June 1894, N^o 213.

Before any orders can be passed in regard to Mr. Ashpitel's suggested deputation some estimate of the time for which his services will be required should be furnished. The Government is quite in accord with Commander Powell as to the desirability of placing the lights on the coasts of this Presidency on a thoroughly efficient footing, but the expenditure on the lights and their appurtenances has already been so heavy that the provision of expensive lights must be effected gradually and with due regard to other claims on port funds.

2. Mr. Ashpitel's remarks in regard to the Point Divi light will be awaited, and his opinion should also be taken on the other proposals submitted by the Presidency Port officer. The object to be attained is to have lights which are efficient and sufficient for the localities at which they are placed without waste of power and consequent unnecessary expenditure.

3. The Public Works Department will be requested to furnish the plans and estimates referred to in paragraph 3 of

	Rs
1889-90 —	41,081
1890-91 —	34,465
1891-92 —	44,934
1892-93 —	82,141

up, and sent to Mr. Ashpitel for favour of remarks before submission to Government; but the question I submit, is one upon which Mr. Ashpitel can better advise Government than this office as it is entirely a question of relative cost and intensity between the old apparatus and an entirely new one with a lower consumption of oil. The erection of a new light house and raising of the old column are purely engineering questions; as is the transfer of the old Madras column to Point Divi.

3. Pending further discussion of this matter, I would suggest the preparation of plans and estimates by the Public Works Department for the following work:-

1st Raising the old Point Divi Lighthouse 30 feet with tube for lockwork weight the upper portion being constructed as a service room to carry a lantern somewhat similar to the present one, and about the same weight.

2^d The erection of a new column near high water mark to the eastward of the present lighthouse, 100 feet high, to carry (a) a 4th order flash light weighing about 7 tons or (b) 3^d order flash light weighing about 15 tons.

4. Any settlement of the class of light must

must to a great extent depend on cost, and however desirable it may be to have the higher powered light, if funds are not available, the cheaper light would be far better than continuing with the present inefficient one. With these estimates before them Government will be in a better position to decide on the merits of the various schemes.

5. The cost of a screw pile lighthouse has been declared prohibitive, G. O. Marine, No. 129, of 28 April 1892.

6. In addition to the improvement to Point Divi I would propose the following ~~addition~~ alterations and improvements for consideration.

(1) The alteration of seven pagoda light from red to white thereby increasing its mean range by 5, or 6 miles. The elevation of the light being sufficient for a 17 miles range, its mean luminous range as a red light is only 8 to 10 miles; as a white light it would be 14 miles. When the experiments with the Lindberg Frutter occulting apparatus (for which sanction has been asked for in my No. ¹⁶⁹³ 168 G. O. of 1 May 1894) are completed, proposals will be submitted for changing the character of this and other fixed lights. Proposals for improving the lantern at Pamban are already before Government.

(2) The substitution of a 4th order flash light



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

From the Presidency Port Officer, Madras,
4th 5th May 1894, No. 127/9.

I have the honour to suggest for the consideration of Government the advisability of coming to some definite settlement of the question of the improvement of coast lights. For the past 5 years correspondence has been continual on this subject without approaching a final settlement. It seems to me that if Mr. Ashpitel could be deputed specially to visit localities at which changes are contemplated, full and complete proposals might be laid before Government before the close of the year.

2. The most important improvement contemplated is in connection with Point Divi, and I have already submitted alternative proposals regarding the matter. On these proposals Government requested information as to the suitability of the old Madras Light for Point Divi. On this point a memorandum has been drawn up