

4. Born 1991

26-சூன் 1963

Phoebe

$$\begin{array}{r} 1381 \\ \hline 20 \cdot 5 = 1893 \end{array}$$

சென்

ESTIMATE FORM.—Abstract.

1381

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
1	2	3	4	5	6
		RS.		RS.	RS.
	For carrying out experiments with a view to determine the intensity of the beam from the new masdian light including the cost of photometer, Parlia-mentary candles, platforms, Sheds etc	78		200	
Grand Total of Estimate ..					200

STATION _____ }
 Dated _____ 189 . }

W
 11/4

Executive Engineer.

REFERENCE TO MADRAS P. W. D. CODE,
EDITION OF 1886.
PARAS. 921, 932, &c., 949, 952-955, 962-964.

P. W. D. FORM,
No. M 207.

CIRCLE—

DIVISION—

DISTRICT—

TALUK (OR ESTATE IN CASE OF ESTATE WORKS)—

ESTIMATE FORM.—Abstract.

Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

REFERENCES.

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

Read the following:—

Letter 21

FOR ORDERS.

The North Member gave me permission to carry out experiments with the new Madras light with a view to determine the axial intensity of the beam. I have not been able to move in the matter before owing to the difficulty in getting Parliamentary candles & discs for the Photometer. I have now obtained or rather been promised these from Calcutta & so am in a position to start the experiments so soon as I can get the Photometer made. Mr. Michie Smith Government Astronomer has promised to take an active part in the experiment & there will be no difficulty in getting a third person to assist with actual observations so that there may be an efficient check on the proceedings. Owing to the

FOR ORDERS.

Departure of the Government for the hills will take some time to get an estimate sanctioned & there is not too much time now available for the experiments. I therefore request permission to start work in anticipation of sanction to the estimate. The amount of the estimate is Rs 200 but I hope to do the work for considerably less. I told the Honble Member that I thought it would cost from Rs 100 to Rs 150 but I then thought I could not do the work of a photometer which I must have to make & as no one in Madras has had experience in making photometers I am unable to put down the exact cost. The object of the experiment is to find out the actual intensity of the beam with full $\frac{1}{2}$ power of the burner in order to find out hereafter the luminous power of the apparatus and also with a view to fix the class of the light. Up to now the custom has been to class lights according to the size of the apparatus without reference to the light

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

Read the following:—

FOR ORDERS.

latter focus. Thus the electric light of 7,000,000 candles is called a 125 candle light & so is an oil light of 70,000 candles. Trinity House have recognized the absurdity of this custom and in future all lights are to be classed according to the intensity & this rule is soon likely to be introduced into India. It will be impossible to ^{find} the intensity of the Indian light after it is in position with any accuracy owing to photometrical ~~difficulties~~ difficulties & hence permission is requested to carry out this experiment in anticipation of sanction to the estimate.

H.W.C.
11/4

Forwarded for the H. M. S. approval & sanction.

Approved. The money should come from Post fund. Ruedx
12/4
D. D. Shrivastava an allo. 12/4
18-4. 11/19/4
18-4. 11/19/4

E.I.
O.D. 6384/53

FOR ORDERS.

[25]

Financial Department.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following paper:—

Endorsement of the Public Works Department, Irrigation Branch, Dated 27th April 1893, No. 18820, forwarding to the Financial Department a note for order from M. S. W. Ashpitel dated 11th April 1893.

Order. 3rd May 1893, No. 435

The Accountant General will be requested to place the sum of Rupees (200) Two hundred at the disposal of the Public Works Department from Post Funds.

/ True Extract /

W. Ashpitel.

L. Under Secretary P. W. D.
The Public Works Dept. for Chief Secretary
with two copies.
Accountant General.

Gobt. of 18 Madras.

To

The Public Works Dept

Encls: 2

Recd: 18.5.93

Proceedings, dated 3rd May 1893
No. 435

Subject.

Requesting the Account General to place Rs. 200 at the disposal of the P.W. Dept from Fort-fund for carrying out experiments with a view to determine the intensity of the light from the new Madras Light.

No. 10022 of 27.4.93

19-12-22 N

No. 1381-Wd/20 May/93

Communicated to the officers concerned.

2. The amount will be placed at Mr. Aschpitel's disposal by the Comdg. Architect in whose accounts the grant and the expenditure against it will be recorded.

SVB
18.5.93

18.5.93

20/5

DESPATCHED
20 MAY 93

To the C. A. to Govt.
The C. E. for Irrigation
" Ex. P.W. Accts.

18.5.93

1. c. 26/4

With order