

ORDINARY, MS.

Public DEPARTMENT.
G.O., DATED 12-3-92
No. 161
162

INDEXED.

When given for copying 14

[Despatch Abstract.]

Cost of a new
1st class observatory.

see
all

11/3

READ AGAIN ORDER OF GOVERNMENT, DATED
18, No. , MISCELLANEOUS.

REMARKS.

ORDER No.

STATEMENT WITH DITTO.

ORDER OF GOVERNMENT.

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DISPATCH
IN ORIGINAL (not paged).

BACK PAPER, No.

OF 18

FURTHER PAPER, No. 1644/92.
2086/92.

OF 18

Public 1892. Dept.

From

THE GOVERNMENT ASTRONOMER,
Madras,

Dated

Received



11/11/92 }
Cno: 61612

Subject.

Submitting a rough Estimate of the cost of a new 1st class Observatory & of its annual maintenance charges, called for by wire by the Govt. of India.

20B
11/3

Am. order 12 March 1892

The following telegram will be despatched to Revenue, Calcutta:-

120. Your message third. Michie Smith estimates initial capital outlay one lakh seventy one thousand five hundred annual maintenance fifteen thousand. Details by post.

Endt. A 162
Copy to the Govt. of India, Revenue Dept.

WITH ORDER

N.B.-
A = Copy in full.
B = Not to be copied.
C = Copy abstract only.

D. S.
 Madras
 68 3 16 17
 To
 Calcutta
 dtd.
 From
 Monthly Number.
 4 MAR 97
 REVENUE DEPARTMENT

Madras. Revenue Revenue C. S.
 On Mr. Inchie Smith
 give and indication however
 rough of the possible
 maximum cost of a
 new first class observatory
 thoroughly equipped at and
 new ~~site~~ side which may
 hereafter be determined.
 on also annual cost of
 maintenance excluding salary
 of two superior officers
 please reply by telegram.
 giving outside estimates in
 round figures of firstly
 initial Capital outlay and
 secondly annual maintenance

MADRAS 4-3-32

mance
 excluding

excluding salaries of two superior
officers. Please reply by telegram
giving outside estimates in round
figures of firstly initial capital
outlay and secondly annual
maintenance.

ATA LUCERU

Registrar.

Revenue and Agricul. Dept. ~~ATA~~

Telegram

From The Govt of India,
Revenue & Agril: Dept.

14 March 92 No 426
 Referred to the
 Government Astronomer
 for early report
 Indirectly
 Chief Secy

4/3

No.

Dated 3rd } March 1892
 Received 4th }

Enclosures

SUBJECT.

Requests to ~~know~~ ^{know} what
 the approximate maximum cost
 will be for the establishment of a
 new first class observatory and
 what the annual cost of its maintenance
 will be.

THE OBSERVATORY,

Madras, 11th March 1892.

FROM

THE GOVERNMENT ASTRONOMER,

Madras.

TO

The Honble J. F. Price,
 Chief Secretary to Govt.
 Fort St. George.

SIR,

(reewith returned)

With reference to the telegram from
 the Government of India, dated 3rd instant,
 referred to me for report under your endorsement
 of the 14th idem, No. 426, I have the honor to
 submit the following estimate of the cost of a
 new first class observatory and of the annual
 charges for maintenance. I regret the delay
 which was due to my not reaching Madras
 till the morning of the 9th instant and the
 necessity of getting information with regard
 to the cost of the buildings required.

2.

The total amount of the estimate
 called for are as follows:-

Initial Capital Outlay --- 1,71,500
 Annual maintenance --- 15,000

3.

In submitting these figures I

wish to point out that almost any sum might be spent on a first class Observatory and that I have formed the estimate on the supposition that it is not necessary to provide more apparatus than can be usefully worked by the two Europeans with native Assistants. I have also assumed that the Transit Instrument of this Observatory and the Dehra Dun Photoheliometer will be available for the special kinds of work for which they are adapted. My estimate provides for a telescope of 20 inches aperture fitted with an extra lens for photography and with the necessary spectroscopic and photographic accessories, 3 domes, and a house and offices for the astronomer and assistants. The estimates for the buildings have been kindly supplied to me by Mr. Irwin. He says "this is a very rough approximation of the cost of a good 8-roomed house, i.e. 4 rooms on ground floor and 4 on first floor with dressing and bath rooms &c. to be built somewhere in the hills. The 3 domes & of iron covered passages to be constructed in apparatus &c. &c."

The following details will show

show how the sum have been arrived at.
Initial Cost

	£
Large Equatorial, 20 inch aperture...	3,500
Extra O. G. for photography	1,000
Spectroscopes	600
Clocks & Chronometers	200
Chronograph	100
Small Transit Instrument	100
Heliostat	450
Electrical Apparatus	350
Photographic apparatus	200
Workshop tools	150
Fittings, Eyepieces micrometers &c.	350
	<u>£ 7,000</u>

say	Rs 1,00,000
3 Domes	8,500
House Offices &c.	63,000
Total Rs.	<u>1,71,500</u>

Annual Maintenance.		Annual
	Monthly	
1 Assistant @	200	
1 " @	100	
2 " @ 50/	100	
Peonants	100	
	<u>Rs 500</u>	Rs 6,000
Printing		5,000
Contingencies		4,000
Total Rs.		<u>15,000</u>

If a telescope of 30 inches instead of 20 inches aperture is thought desirable the cost would be increased by about Rs 4000.

I have the honor to be,
Sir,
Your most obedient servant,