

Public (1896) Department.

ORDINARY MS.

G.O., No. 1094

DATED 3-10-96

INDEXED.

[Despatch Abstract.]

Approving of the suggestion of the
Govt. Astronomer that Madras
shd. be provided with a seismometer
and requesting him to report
whether there are any seismometers
at work in England, and, if so,
where & by whom they were
made & how they stand the
test of regular work.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

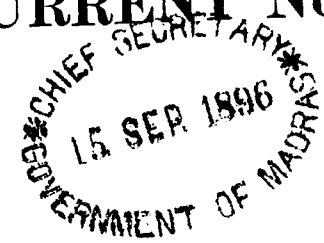
FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
Ch 3367 1796	1705 of 97						

Public (1896) Department.

End No. 1891.

CURRENT No.



The Govt Astronomer is requested to state whether sufficient reason exists for establishing a seismometer at Madras; and ^{could} look after it when the Observatory-Order Establishment is moved to Kodai Kanal.

From

The Govt Astronomer, Madras.

No. 190.

Indindies
Chief Secretary

Dated 14 September 1896.

Received 15th } Do

Registered 16th }

Enclosures one.

Spare copies —

55B.
18-9-96.
Dottacammund
19 September 1896 }

SUBJECT.

Forwarding with remarks a pamphlet from Professor D. G. Gerland, regarding a scheme for an international system of Seismometer Stations.

Recd. 21 September 1896

Registered, Home Department.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

THE OBSERVATORY,

NONGUMBAURUM,

Madras, 14 September 1896.

No.

FROM

THE GOVERNMENT ASTRONOMER.

Madras.

TO

The Honble Mr J. F. Price,
Chief Secretary to Government.

SIR,

I have the honor to forward herewith a pamphlet from Professor D. G. Jerland, regarding a scheme for an international system of seismometer stations. The scheme is supported by all the leading authorities on the subject at home and seems to be one deserving of support. 2. Calcutta and Madras are both mentioned in the list of stations at which observations ought to be made, but there are geological reasons why Calcutta would not be a suitable station. Since it is necessary that the instrument should be set up at a station where the time is known with great accuracy there seems to be no suitable station on the East Coast except Madras.

3. The estimated cost of the apparatus is 1000 marks, or say £ 50, and the observations could be carried on by the existing staff.

I have the honor to be,

Sir,

your most obedient servant,

Christie Smith

Govt. Astronomer

Registered, Home Department.

Public (1896) Department.

CURRENT No.



From

*The Govt Astronomer,
Madras.*

Order

No. 193.

Dated 21 September 1896.

Received 22?

Registered 23?

so

Enclosures *For* Public current No 3022
with enclosure returned.

Spare copies

SUBJECT.

*Returning the endorsement.
etc 1891 dated 19 September 1896
and showing sufficient reason
for establishing a Seismometer
at Madras.*

Registered, Home Department.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

THE OBSERVATORY,
NUNGUMBAKUM,

No. 193.

Madras, 21 September 1896.

FROM

THE GOVERNMENT ASTRONOMER.

Madras.

TO

The Hon'ble Mr. J. H. Dwyer,
Chief Secretary to Government.

SIR,

In reply to your endorsement No. 1891 dated 19 September 1896, I have the honor to state that it seems to me to be of great importance that a seismometer of the kind referred to should be established at Madras.

2. For the satisfactory carrying out of the proposed international series of observations it is essential that at least one station should be established in India and in my opinion Madras is the most suitable position for such a station.

3. As I have already pointed out the instrument must be set up at some station at which the time is known very accurately - say to within half a second - and this condition is probably satisfied only by the Madras and Bombay Observatories, and in other respects Madras is preferable to Bombay.

4. When the Observatory is established at Kodaikanal there will be a certain staff left at Madras to attend to the time service and the Meteorological Observations and there need not be the least difficulty in

Registered, H. M. Dwyer

in continuing the observations with the —
seismometer.

I have the honor to be,
Sir,

your most obedient servant.

Michie Smith

Govt. Astronomer.

Public DEPARTMENT.

Cs Nos 3022 & 3109

Proposed international system of seismometer stations

FOR ORDERS.

A.M.

The seismometer is an instrument for
measuring the duration of force of an
earthquake and like concussions
yes, but it is a recording
instrument and records not
only what we feel and call
earth-quakes, but also the daily
if not hourly earth-tremors
of wh. we are quite unconscious.
ie. 1000 marks taking the mark at 1000

The Govt. Astronomer forwards
a pamphlet from Prof. Dr. Gerland,
regarding a scheme for an inter-
national ^{system of} seismometer stations,
with the remark that the scheme, which is
supported by all the leading authorities
in England, is one deserving of support, and
that the only suitable station at which
observations could be made is Madras.
He estimates the cost of the apparatus
at about £50, and states that the ob-
servations could be carried on by
the existing staff and that, even when
the observatory is established at Koda-
Kanal, there will be no difficulty in
continuing these observations with
the staff which will be left to attend
to the time service and the meteor-
ological observations work.

Mr. Michie Smith is of opinion
that for the satisfactory carrying

Papers to be read in proceedings:—

[G.]
[24.]
1.000/-15-11-95.

Again G.O., dated 189 , No.

Again G.O., dated

189 , No.

Current No. 3022 of 1896, dated 14.9, from The foot Astronomer
" " 3109 " 1896, " 21.9, " do.
" " " 189 , " , "FOR ORDERS.

H. E. THE GOVERNOR.

THE HON'BLE MR. H. W. BLISS, C.I.E.

THE HON'BLE MR. J. GROSE, C.I.E.

ORDER. No 1094. 23rd Oct 1896.

The foot approves of the suggestion that Madras should be provided with a seismometer. The foot Astronomer will be requested to report whether there are ~~any~~ ^{any} ~~seismometers~~ ^{any} ~~seismometers~~ at work in England, and if so, where ^{by whom} they were made, and how they stand ^{the test of} regular work.

1 from order

21.10.96

To the foot Astronomer }
J = both etc }
in the book etc }
8/10CW
11.10.96JDB
1.10.96

Register, Home Department.

of the proposed scheme, it is essential that at least one station should be established in India. Calcutta he rejects as unsuitable for geological reasons. And although Bombay, Equally, with Madras, satisfies the condition that the station must be one at which the time is known very accurately, yet Madras is "in other respects" preferable to Bombay.

Orders are solicited.

J

CW
25.9.96JDB
25.9.96

I quite think we ought to assist in the scientific investigation by having a seismometer, but I don't understand why the instrument is advertised in a German pamphlet. There must be one or more seismometers at work in England & Mr. Michie Smith might obtain information about them, where they are made & how they stand regular work.

28.9.96

Yes there are a few but I don't say the German are the only makers.

B
27.9.96

When given for copying 6/10
When copied 3/10 } 189
When examined
When signed

READ AGAIN G.O., No.
189

DATED

FROM ORDERS.

CURRENT No.

C. S.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH
IN ORIGINAL.

N.B. -

A = Copy in full.
B = Not to be copied
P = Copy abstract only.
Q = Copy heading only

Register, Home Department
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