

1452

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MADRAS RECORD OFFICE.

Government of Madras.

Subsidiary DEPARTMENT.
Can-17/6/59

G.O. No. <u>1452</u>	Press <u>Mis.</u>
<u>27</u> 30 Dated <u>13-6-</u>	<u>18</u> 59.

Not to be folded or roughly handled

14/6/59

No. 27. Read the following letter from Colonel A. COTTON, Commandant of Engineers; to J. D. BOURDILLON, Esq., Secretary to Government, dated 4th June 1859, No. 230.

With reference to the Model of the Peninsula now preparing by the Principal of the Engineer College, I have the honor to suggest that every aid should be given to him in the procuring of Levels of the country, and for this purpose that

1st. All Officers of the D. P. W. should be directed to send to Captain Winscom all ascertained heights in their several ranges, whether by Aneroid or otherwise, stating how they were obtained and what degree of confidence they place in each. They should all be stated in feet above the Sea, supposing some one point in their District to be of such a level, to which all the other points are referred.

And 2nd. Sections of Railway lines on a small scale, both lines decided upon, and trial lines, with a small sketch map showing the lines, should be obtained from Bombay.

3rd. That application should be made to the authorities of Mysore for all levels ascertained there.

4th. That arrangements should be made for instructing all Pupils thoroughly in the use of the Aneroid and that a carefully digested paper of instructions should be prepared for general circulation in the country, on the use of that instrument.

5th. That a stock of Aneroids should be kept at the College, and each compared with the Barometer, and a Memo. prepared to accompany it when it is issued, showing its heights corresponding to those of the Barometer. The rise and fall of each Aneroid due to temperature should also be observed and recorded in the Memo.

2. I should mention from the use I have made of the Aneroid that it is perfectly fit for the thorough examination of any line of country, so as to enable an Officer to plan and estimate works, if only each instrument is first examined, and sound instruction for its use are provided. If the Officers of the D. P. W. are generally exercised in the use of this instrument, we should very soon be provided with a complete set of reliable levels of every part of the Presidency.

No. 28. ORDER THEREON, 13th June 1859, No. 1452.

Ordered that this letter be communicated to the Chief Engineer, and to the Principal of the Engineer College.

2. The Chief Engineer will direct the District Engineer to furnish the Principal of the Engineer College, with all ascertained heights in their ranges as suggested by Colonel A. T. Cotton, together with information as to their value and the mode in which they were obtained. Colonel Bell will also be pleased to report on suggestion 5, as to the expediency of maintaining a stock of aneroids at the Engineer College, comparing each instrument with the barometer, and recording the results of such comparison in a Memo. to be issued with each instrument.

3. Suggestion 4, as to instructing pupils in the use of the aneroid and preparing a paper of instructions for general circulation, is referred to the Principal of the Engineer College.

4. Ordered further that the following letters be dispatched to the Government of Bombay and the Commissioner for Mysore, in respect to the second and third suggestions.

(Signed) J. D. BOURDILLON,
Secretary to Government.

No. 29. Ordered in consequence that the following letters be despatched.
From J. D. BOURDILLON, Esq., Secretary to the Government of Fort Saint George; to
W. HART, Esq., Secretary to the Government of Bombay, dated 13th June 1859,
No. 1453.

In order to render as correct as possible a model of the Peninsula, now in preparation at Madras, I am directed to request that the Government of Bombay will be pleased to furnish

Lined

Proceedings of the Madras Government, Public Works Department,
from 11th to 17th June 1859.

this Government, with copies of all survey selections in their possession taken in connection with railway projects or for any other purposes, together with a small sketch map shewing the lines of the sections.

No. 30. From J. D. BOURDILLON, Esq., Secretary to the Government of Fort Saint George; to Lieutenant-General Sir M. CUBBON, K. C. B., Commissioner for the Government of the Territories of His Highness the Rajah of Mysore, dated 13th June 1859, No. 1454.

In order to render as correct as possible a model of the Peninsula, now in preparation by the Principal of the Engineer College at Madras, I am directed to request that you will be good enough to procure and furnish this Government, with all ascertained heights or levels of the country throughout the Mysore Territories, whether obtained by aneroid or otherwise, together with information of the manner in which they were obtained and of the degree of confidence that may be placed in each. It is desired that these heights should be stated in feet above the Sea, some one point being assumed of such a level, to which all the others may be referrible.

Comd^t of Engrs office.

No. 230.

From,
The Commandant of Engineers.

J. D. Bourdillon, Esq.
Secretary to Government.

Sir,

With reference to the Model of the Peninsula now preparing by the Principal of the Engineer College, I have the honor to suggest that every aid should be given to him in the procuring of Levels of the Country, and for this purpose that all officers of the P. W. should be directed to send to Captain Winscom all ascertained Heights in their several ranges, whether by Aneroid or otherwise, stating how they were obtained and what degree of confidence they place in each. They should all be stated in feet above the Sea, supposing some one point in their District to be of such a level, to which all the other points are referred.

and 2nd.

Sections of Railway
lines

Dr M^r -
Livingston
No 11469
of the (part of) map
to.

J. S. Bonwillow Esq
Esq. to Govt

Oct 4th Nov 1859

Ben^y -
No 200.

Regarding the purchase
of the tract by the
Commission of the Eng^g & S^y
with Eng^g & S^y for two
years the land of the
County & District of Cal.
being the same from County
line & creek of Nevada
thence to the State of Nev
to the river.

No 11469. 13th Dec 1859.

1859.

Public Works Dept

No 1452

Proceedings of the Madras Government
Under date the 13th June 1859.

Read the following
letter from the Commandants
of Engineers.

(Here under 4 June/59 No 236)

Ordered that the

above letter be communicated
to the Chief Engr, and to the
Principal of the Engineer
College.

2. The Chief Engr ^{will} be
directed to direct the officers
of the District Engineer
of the Public Works Dept to
furnish the Principal of the
Engr College, with all ascertained
heights in their ranges, ^{as}
the manner suggested by Col
A. J. Cotton, together with in-
formation as to their value and
the mode in which they were
obtained. Col Bell will also be pleased
to

From the Chief Engineer of
8th September/59 (at 237)
Engr.

Pro: of the Madras Govt
23rd June/59.

From the Chief Engr: 29th June
1859 & 1st July 1859.
District Engineer

No 1452.

Public Works 1859-2417
Pro: of Govt 17th June.

to furnish the Principal of
the Civil Engineering College
with all ascertained heights
in their ranges with inform-
ation as to their value and
the mode in which they were
obtained - the several eng-
ineers of the letter, referred
to the several officers en-
closed.

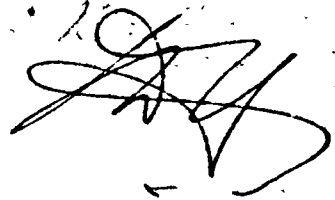
From the Principal of the
Civil Engineering College.
Dated 27th June 1859.
Cons: 1st July 1859-118-119.

1859-128.

Report on suggestion 5, as to
to the expediency of
maintaining a stock of aner-
oids at the Eng. College, com-
paring each instrument with
the barometer, and recording
the results of such comparisons
in a memo to be issued with
each instrument.

3. Suggestion 4, as to in-
structing pupils in the use
of the aneroid and preparing
a paper of instructions for
general circulation, is referred
to the Principal of the Eng.
College.

4. Ordered further that
the following letters be dis-
patched to the Govt of Bombay
and the Commissioner for
Mysore, in respect to the
second & third suggestions.



10 Copies to the Chief Eng. Dept. 14th
1 ——— Principal of the Civil
Eng. College
1 ——— Col. Cotton