1452

M.R.O. 1—77,000—8-6-37.

(1) Number of pages 10

(2) Date of repair 10 · 5 · 38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Buildings DEPARTMENT.

Con-17/6/59

G.O. No. 1452 Press / Mis.

27 3 Dated 13-6- 1859.

Not to be folded or roughly handled

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 pepared 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

this Government, with copies of all survey selections in their possession taken in connection with railway projects or for any other purposes, together wrth 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.

Cond^{r} of Engr^{s} Office.

N^{o} 230.

From,

The Commandant of Engineers.

To,

J. D. Bourdillon Esq^{re}

Secretary to Government

Fort St. George.

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.

1st All officers of the P. W. should be directed to send to Captain Wimscom 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

No. W. — Public Works Dept.
Proc. of Govt. Public Works.
From — No. 1469
The Comm.r of Engs.
To.
F. D. Bourchier Esq
Engr. to Govt.
W. P. D.
Dated 4th June 1859
Rec.d 6.
No. 230.

Reg.g making the preparation of the Model by the Principal of the Engr. College with Engr.g estimate for procuring the levels of the Country & Sections of Railway lines from Bombay that a stock of Aneroid should be kept at the College &c.

No. 27.

No. 1452. 13th June 1859.

Public Works Dept

No 1452

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

Read the following
letter from the Commandant
of Engineers -
(Here enter 4 June /59 No 230)

Ordered that these
~~above~~ letter be communicated
to the Chief Engr, and to the
Principal of the Engineers
College.

The Chief Engr ~~or Sec~~ will
2. ~~directed to~~ direct the ~~Officer~~
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

Public Works Dept 1859
No 20 of Consult 4th June.

No 1452.

No 20 of the Madras Govt
Dy 13th June /59.

From the Chief Engr
dated 1859 No 1656 in Fn
15 Sept - 59 Sec
Published Engineers
Examination to Principals of
the Civil Engineering College
with all ascertained heights
in their Ranges with highways
stations and their value and
the mode in which they were
obtained - The several sug-
gestions of the letter referred
to the several Officers con-
cerned -

From the Principal of the
Civil Engineering College.
Dated 27th June 1859.
Comg 1st Sept - 118. 119.

From the Chief Engineer &
Secy to Government
Dated 15th September /59 (No 23)
Comg

Aug 27 - 28.

6 reports on suggestion 5, as to
to the expediency of
maintaining a stock of aneroids at the Engr College, comparing 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 instructing pupils in the use of the aneroid and preparing a paper of instructions for general circulation, is referred to the Principal of the Engrs College.

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

10 Copies to the Chief Engr Dispd 11th
1 — " Principal of the Civil Engg College
1 — " Col Cotton