

1. Number of pages. 1-12
2. Date of repair. 2-2-37
3. Date of Reference.

M.R.O. 1-82,400-22-11-30.

MADRAS RECORD OFFICE.

Government of Madras.

Public DEPARTMENT.

G.O. No.	7548	Press Mis.
Dated	12-4-	1869

Not to be folded or roughly handled

Ph
2-2-37

Revenue Department
Proceedings of the Madras Government
Read the following

Proceedings of the Madras Government, Public Department,
12th November 1869.

No. 78. Read the following letter from Colonel G. H. SAXTON, Deputy Superintendent, Topographical Survey of India, to the Chief Secretary to Government, Fort Saint George, dated Ootacamund, 29th October 1869, No. 137.

I have the honour to report, for the information of Government, that I have received instructions from the Surveyor-General of India to commence operations, as detailed in the Memorandum I gave you at Ootacamund, for the purpose of revising the survey executed by the late Colonel Ouchterlony on the Neilgherry Hills, and shall be obliged by your rendering the assistance asked for in the Memorandum above alluded to. As intimated to you at the time, I did not retain a copy of that Memorandum, which, I think, was sufficiently full and explanatory, but if required to do so, would prepare another requisition. I shall be obliged by your furnishing me with a copy of the instructions which may be given to the several departments from which aid will be required.

MEMORANDUM on the proposed operations for revising the late Colonel Ouchterlony's Survey, and re-compiling a District Map of the Neilgherries.

The defects in the present Map of the Neilgherries are very great. There has been an elaborate survey on a very large scale, but it has never been reduced and put into a form suitable for general practical purposes. No heights appear to have been taken at all. There does not appear to have been any satisfactory junction with the general operations of the survey of India, so as to place the Neilgherry Survey in proper geographical combination with the rest of India. Scarcely any thing is shown on the Atlas Sheet No. 61, in the centre of which this district lies. Besides the above, the still more important difficulty appears to exist, that all field-works, maps, and computations, and the record of all trigonometrical observations, have been lost.

2. I propose to remedy a great deal of the above by executing some new triangulation in connexion with the Great Trigonometrical work now progressing in Coimbatore District. I propose finding, if possible, the original records of Colonel Ouchterlony's Survey. If successful in that, my new triangulation will form a connecting link, by which I shall be able to effect all the other needful revisions, on which to compile a new District Map, to be published and printed under the Photozincographic branch of our department in Calcutta. My observations will combine those necessary for ascertaining trigonometrically, with great accuracy, the heights above sea level, and of course relatively with each other, of as many points as desired, all over this plateau.

3. To enable me to do all this, I shall require the assistance of the Chief Engineer's Department, to which I believe belongs the duty of preserving the records of the old Neilgherry Survey, and where I hope to be able to find them. The co-operation of the other branch of the survey of India, I have secured departmentally, and my arrangements are settled with Captain Branfill. The Surveyor-General of India has directed me to consider the incorporation of the Revenue Survey of Madras Presidency under Major Heald, as of great importance. I should therefore, require to be furnished by that department with a copy of its work.

*Proceedings of the Madras Government, Public Department,
12th November 1869.*

within the limits of mine, both in triangulation and detail, the latter only on a scale reduced to suit my purposes. I shall require from the District Engineers' Offices assistance necessary to my showing on the new map all important roads, or other works of that kind, which have been executed since the cessation of the Neilgherry Survey under the late Colonel Ouchterlony. The expenses and other such considerations, attaching to the fulfilment of the above proposals, will appertain to the survey of India, and the aid sought from the Government of Madras will be limited to the above points, and such other similar matters as may hereafter appear necessary.

OOTACAMUND, 15th October 1869. (Signed) G. H. SAXTON, Colonel,
Depy. Supt., Topl. Survey of India.

Forwarded to the Chief Secretary, with reference to yesterday's conversation.

No. 79. ORDER THEREON, 12th November 1869, No. 1548.

Communicated to the Revenue and Public Works Departments, with a view to the necessary instructions being issued for affording assistance to Colonel Saxton.

(True Extract.)

R. S. ELLIS,
Chief Secretary

To the Revenue Department.
,, Public Works Department.
To Colonel G. H. Saxton.

Order thereon 20 Nov 1869 No 1548

Communicated to the
Superintendent of Revenue Survey,
who is requested to direct Major Benson
to afford Colonel Saxton all the
assistance

*assistance in his power
(True Extract)*

*W. H. Murray
As: Under Secy. to Govt.*

To the Superintendent of Revenue Survey

W. H. Murray

Exd, J. Wright.

*W. H. Murray
20 Nov 1869
20 Nov 1869*

Table of Elevations and Depressions of some of the most conspicuous Points on the Nellore Mountains with their heights above the level of the Sea determined from Hallagamalla, a Station whose height was ascertained by Colonel Lambton to be 1407.6 feet (See 2^d Vol. of his memoirs)

Stations at	Stations observed	Apparent E. and D.	contained Refraction	Elevations above the Sea
				Heights Feet
Shavanumpully	Hallagamalla	0 14 10 D	25.35 9 6.55 4	Shavanumpully hill 1656.9
Hallagamalla	Shavanumpully	0 5 27 S D	21.59 2 3.39 6	Rungasamy Peak 5937.6
Shavanumpully	Rungasamy Peak	1 43 20 E	16.39 6 1.34 8	Villachy Lourdu 1798.1
Rungasamy Peak	Shavanumpully	1 50 40 D	5.26 2 3.03 1	Rungasamy Peak 5937.6
Shavanumpully	Villachy Lourdu	0 4 30 E	15.10 8 2.35 4	Dodabetta 8718.2
Villachy Lourdu	Shavanumpully	0 8 40 D	13.03 2 1.5	Murkurty Peak 8402.7
Villachy Lourdu	Rungasamy Peak	2 30 40 E	12.87 2 0.0	Koonda Peak 8353.0
Rungasamy Peak	Villachy Lourdu	2 39 30 D	14.40 1 40	Kudiakadbet 8502.1
Villachy Lourdu	Dodabetta	3 22 30 E	7.16 5 1 00	Daverbetta 6656.7
Dodabetta	Villachy Lourdu	3 35 30 D	10.19 1 30	Daverbetta 6656.2
Rungasamy Peak	Dodabetta	1 38 30 E	11.46 0 38	Koondamoga 7816.9
Dodabetta	Rungasamy Peak	1 48 30 D	6.38 0 0 34	Koonda Hill 6555.8
Dodabetta	Murkurty Peak	0 18 00 D	5.14 0 37	Kodanad 6815.7
Dodabetta	Koonda Peak	0 21 00 D		
Dodabetta	Kudiakadbet	0 14 30 D		
Dodabetta	Daverbetta	2 48 00 D		
Rungasamy Peak	Daverbetta	0 25 30 E		
Villachy Lourdu	Daverbetta	3 58 00 E		
Rungasamy Peak	Koondamoga	1 24 30 E		
Koondamoga	Rungasamy Peak	1 35 00 D		
Rungasamy Peak	Koonda Hill	0 58 30 E		
Koonda Hill	Rungasamy Peak	1 44 00 D		
Koonda Hill	Kodanad	0 16 00 E		
Kodanad	Koonda Hill	0 20 00 D		

of 1868 *quatre*.

PUBLIC.

REVENUE DEPARTMENT,

Kc.,

&c.,

&c.

ed November, 12th.

ed.

end.

G. O. 12th November 1869. No. 154.

NOVEMBER.

Nos. 78-79.

Issuing orders for the requisite assistance being
afforded to Colonel Saxton, in his revision of the
Survey of the Neilgherries executed by the late
Colonel Ouchterlony.

Stations at	Stations observed	Apparent E and D	Contained Arc	Refraction	Elevations above the sea	Stations	Heights
Dodabetta	Kokulbetta	2 38 00 D	5 16	1 38	Kokulbetta	6872	
Dodabetta	Santaushetta	1 24 30 D	9 58	1 30	Santaushetta	7292.5	
Dodabetta	Davuresday	1 29 30 D	2 17		Davuresday	8380	
Dodabetta	Bevozhetta	2 34 00 D	1 07		Bevozhetta	8488.2	
Ooribetta	Koonda Hill	1 15 00 D	2 45		Ooribetta	6915 0	
Ooribetta	Simhuthy Bung.	12 12 00 D	0 39		Simhuthy Bungelow	6506.5	
Thavanumputty	Koonreddy Peak	4 28 57 E	7 02	0 45	Koonreddy Peak	5910	
Villachy Lourdu	Koonreddy Peak	4 6 30 E	7 40	0 45	Koonreddy Peak	5127	
Thavanumputty	Chimbatoor Palace	9 16 00 D			Chimbatoor Palace	4000	
Chimbatoor Palace	Thavanumputty	0 12 30 E	6.540	1 42	Chimbatoor Palace	4000	
Thavanumputty	Iyasamy Peak	1 31 10 E			Iyasamy Peak	3901.4	
Iyasamy Peak	Thavanumputty	1 39 30 D	15.718	2.30.9	Iyasamy Peak	3901.4	
Rungasamy Peak	Danaikeneeta	9 9 30 D			Danaikeneeta	1146	
Danaikeneeta	Rungasamy Peak	9 6 00 E	14.592	1 46	Danaikeneeta	1146	
Perriakunjee	Allatoor Hill	2 42 15 D	19.443	3 00	Allatoor Hill	5040	
Allatoor hill height determined by Colonel Lambton							1223.4
Perriakunjee							4627
Perriakunjee	Dodabetta	0 30 30 E			Dodabetta	8752.9	
Dodabetta	Perriakunjee	7 54 00 D	28.353	2 37	Dodabetta	8752.9	
Dapooram							
18th March 1823							

1 Signed B. G. Ward Lt. Col. Capt.
Asst. Sur. General's Dept

The following Bearings and distances may be requisite, if the calculations are to be revised they will properly appear in the Series of Triangles, which will accompany the Coimbatore Survey.

Hallagammalli to Thavanumputty	N 79. 10 W.	1557 63 feet
Thavanumputty to Villachy Lourdu	N 12 13 W.	40289 "
Allatoor hill to Perriakunjee	N 22 44 E	119517 "
Perriakunjee to Dodabetta	N 9 26 E	173954 "
Villachy Lourdu to Dodabetta	N 50 47 W	114814 "
Thavanumputty to Rungasamy Peak	N 3 14 W	132991 "

1 Sigd B. G. Ward

Genl. Litho. Press. P. W. D
Fort St. George, Madras.

Compd. B.

N^o. 267
10 } Revenue Survey Office
Chepauk
4th February
January 1870

From

The Superintendent of Survey

To

The Secretary to Government

Rev. Dept.

Sir

In their order dated 20th

November/69 Government communicated a letter & Memorandum from Col. Sinton Deputy Superintendent of Topographical Survey on the operations he proposes undertaking to revise the late Col. Ouchterlony's survey and re-compiling a District map of the Nilgherries & directs that Col. Sinton is to be afforded every assistance

2. I have the honor to acknowledge the receipt of the above & with reference to the Memorandum beg most respectfully to offer a few remarks on some of the statements made in it.

3. I cannot myself subscribe to this sweeping statement & would suggest that the Engineer Officers employed on the Nilgherries should be requested

593

* completed in 1848

Enclosure to letter No. 267
of the 4th February 1870

requested to give their opinion on the point.

They to append a list of no less than 19 heights comprising in fact ~~all~~ all the principal mountains of the Nilgerry range.

A register of no fewer than 57 triangles on the Nilgerry mountains dependent on computations by Lieut. J. B. Wardwell I think show this statement to be erroneous.

There are certainly gaps in P. 61 sheet but not in that part containing the Nilgerry Review if there were they might ~~be~~ ^{be} filled up from Lieut. Ouchterlony's survey. The places in which the map is bare are along the Borwan river in the Nilumbor Wynaad forests & within the Mysore frontier.

I think that in the Nilumbor country the cause of this want of detail is that little but forest exists to delineate this is perhaps in some degree also the case along the Borwan.

The survey of the Wynaad is however a real desideratum.

8 I would suggest that the Surveyor General of India should be solicited to direct Col. Saxton's attention to that district.

9 As an additional reason for considering the ~~understanding~~ ^{existing} proposed by Col. Saxton unnecessary it may be mentioned that about one fifth of the Nilgerry plateau has already come under the operations of this Dept. In course of time the various surveys of waste-land - blocks, burchona plantations, forests, reserves, swamps, streams, roads &c. that must necessarily be made will form materials with which in a few years to complete an accurate map of the Nilgerry plateau based as it will be on the existing triangulation. Till this is completed I venture to think Col. Ouchterlony's map will answer all general requirements.

10 I trust it may not be thought that I have overstepped my province in making the remarks I have done. It was doubtless not with the intention of depreciating the work performed by this Dept. that the officer in charge of a topographical party was directed

(Signed) F. Priestley Col
Capt R. Lurvey

of the proposed revision
 of the last book. Doubtless
 the way of the will be
 called on by O. H. H. H. H. H.

Order 4: Feb'y 17.

Feb'y 26

18

Order 2

duyuid

18

The day is spent all

Order thereon 23^d November 1869 No. 3729.

Table of Elevations and Depressions
of some of the most conspicuous points on
the Nilgerry Mountains with their heights
above the level of the sea determined by
Capt. B. S. Ward Asst. Surveyor Genl from
Hallajamalli, a station whose height
was ascertained by Col. Lambton to be
1407.6 feet. Register of Triangles on the
Nilgerry Mountains dependent on
Cinnictore by Captain B. S. Ward Asst.
Surveyor General.
Stations established on the Survey of
Nilgerry Mountains and referred to
Meridian of Pungasawmy Peak by
Captain B. S. Ward Asst. Surveyor Genl
Sketch of a Series of Triangles by Cap
B. S. Ward Asst. Surveyor General exten-
sive over the Nilgerry Mountains com-
menced 1822.

Scale 4 miles to an inch.
aid as he may require.

The papers noted in the margin from amongst the records of the late Surveyor General's office having been lithographed in this Department, Copies will be furnished to Colonel Saxon together with a reduced copy of Colonel Duckertown's Report of the Survey.

The Superintendent.

Chief Engineer of the 7th
Division will take
measures for affording
Colonel Saxton such

(True Extract)
 Legat. H. A. Orr. Colonel R. C.
 Secretary to Government

To the Superintending Engineer -
7th (Division)

19 Sept 1891 / 149
J. P. 1890 of 5 1891
1891
Commence
for information

To: Wm. B. B. B.
J. P. 1891
1891

Recd 28 May 1891

Informing that
the undersigned
has been appointed
to the position of
the City Clerk
and has been
appointed to the
position of the
City Clerk of the
City of New York
and has been
appointed to the
position of the
City Clerk of the
City of New York

6 Sept 1870
 No 290 of 5th
 Comm
 No 3729

Pro Madras Government
 P. W. Deptt
 dated 23rd Nov 1869
 Recd 31st Jan 1870
 No 3729



Subject
 Communicated by O.
 No 1548 dated 12th November
 1869 issuing orders for the
 requisite assistance being
 afforded to Colonel Saxton,
 in his revision of the Survey
 of the Nilgherries
 by the late Colonel Auch-
 sterlony.

No 137

Polacumund October 29 1869.

From Colonel G. W. Saxton
 Deptt of Survey of India
 The Secretary to Government
 Fort St George

Sir, I have the honor to report, for
 the information of Government, that I have
 received instructions from the Survey of India
 to commence operations, as detailed
 in the Memorandum from you at Polac-
 umund for the purpose of revising the
 Survey conducted by the late Colonel Oxley
 in the Nilgherry Hills, and that
 he should be assisted by the assistance
 of the Survey of India at the time.

Public. 1899. Sept 1
From Colonel G. H. Saxton.
By Supdt. E. L. Survey of
Mines. Col. Saxton.

Sept 1st
21/10/1899. By.

2252-2168

No 2412
By Post.

Report for the information
of Govt. that he has received
instructions from the Secy.
of the Interior of Sept 1st to
commence operations for the
purpose of revising the
Survey executed by the
Col. G. H. Saxton on the
N. 1/4 Sec 10, T. 10 N., R. 10 E.,
that order may be issued
for the necessary work to be
done & that to be done.

With Order

12 Nov 1899 No. 1568

Communicated to the Revenue Public

works department with a view to the necessary

instructions being given for affording assistance

N. 1/4 Sec 10, T. 10 N., R. 10 E.

78-79

12/11/11