M.R.O. 14—10,000—21-4-32.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 505 Press ~~Mis.~~

7-8

Dated 2-4- 1860.

Not to be folded or roughly handled

No. 7. From Major F. D. ATKINSON, Officiating Secretary to the Government of India to Colonel H. MARSHALL, Acting Secretary to Government, Fort Saint George, Military Department, dated Fort William, 5th March 1860, No. 214.

I am directed to transmit to you the accompanying copy of a despatch from the Inspector General of Ordnance, No. 12,035, dated 22nd February 1860, forwarding an Indent for new Surveying Instruments required for the Madras Revenue Surveys from the Mathematical Instrument Maker's Department in this Presidency, and to request that the Honorable the Governor in Council may be moved to favor the Government of India with his opinion on Lieutenant-Colonel Scott's suggestion that the Survey Department at Madras be instructed to indent on the Home Government for the supply required.

From Lieutenant-Colonel E. W. S. SCOTT, Inspector General of Ordnance and Magazines, to the Officiating Secretary to the Government of India, Military Department,—(No. 12,035, dated Fort William, the 22nd February 1860.)

I have the honor to forward, for submission to Government, copy of a letter from Major Thuillier, Superintendent, Mathematical Instrument Department, No. 14, dated 10th February 1860, together with an Indent for new Surveying Instruments required for the Madras Revenue Surveys from the Mathematical Instrument Department in this Presidency.

It will be seen from the Superintendent's letter that the Mathematical Instrument Maker's Department is incapable of meeting this demand from Madras, after the assistance so recently afforded to that Presidency.

Last year a requisition was made for complete sets of Instruments for carrying on four Revenue Surveys, which was met with considerable difficulty, a special Indent on the Home Government having been required to provide for it.

These large and repeated demands from another Presidency entirely deranges the Estimate prepared for the annual supply of Instruments to meet the wants of the Department in this Presidency, and as this Indent would involve another special requisition on England, I beg to suggest, as tending to simplify the transaction of both Presidencies, that the Survey Department at Madras be instructed to Indent themselves on the Home Government for the supply required.

From Major H. L. THUILLIER, Superintendent, Mathematical Instrument Department, to Lieutenant-Colonel E. W. S. SCOTT, Inspector General of Ordnance and Magazines, Fort William,—(No. 14, dated Calcutta, the 10th February 1860.)

I have the honor to forward herewith for your orders a letter in original, No. 89, dated 18th ultimo, from the Chief Secretary to the Government of Fort Saint George, traversed to this Depôt from the Home Department by docket, No. 218, dated the 31st ultimo, forwarding an extensive Indent for Surveying Instruments required for the Madras Revenue Surveys, coupled with an intimation that nothing but new Instruments will answer.

2. These heavy demands for the Madras Presidency, I beg to submit, can no longer be met from the Stores of this Department, which are already nearly exhausted. Enclosed is list marked B, exhibiting the extent of aid already given to the sister Presidency, and it will be observed how very largely the Madras Surveys have drawn on our slender resources.

3. At the present moment it is quite impracticable to comply with such an extensive Indent, and as the Madras Authorities appear to consider themselves entitled to entirely new Instruments, whilst the Surveys on this side are obliged to be content with old ones, such as in numerous cases have been many years in use and over and over again repaired to render them serviceable, I trust that I shall have your support in recommending the return of the Indent in question, with a suggestion that the Madras Presidency Revenue Surveys having received so large a portion of assistance, be now directed to rely on its own resources.

4. The return of the original enclosures is requested with your reply.

B.

List of Instruments supplied from this Depôt to the Superintendent, Revenue Survey, Madras.

	Sets.
Bars, Steel, standard 6 feet,...	10
Barometers, Mountain,...	4
Books, Boileau's Traverse Tables, ...	25
Compasses, Prismatic, ...	36
Ditto Surveying English, ...	36
Ditto Drawing, 5 and 6 inch, ...	240
Ditto ditto with Pen and Pencil legs, ...	22
Chains, Iron, 66 and 100 feet, with arrows, ...	354
Color cases, ...	8
Compasses, Beam Ebony, 2 and 3 feet, ...	8
Glasses, Tracing, ...	2
Heliotropes, ...	16
Horizon, Artificial, ...	4
Lamps, Referring, ...	1
Mathematical Drawing Instruments, Electrum and Brass, ...	24
Magnet Bars, ...	4
Opisometers,...	4
Optical Squares,...	6
Pens, Drawing, Steel, Ivory handles, Electrum and Metal tops,... ...	80
Ditto, Dotting,...	5
Ditto, Road or double, ...	8
Pluviometers, ...	3
Pens, Steel, for securing Maps, ...	400
Perambulators, E. P.	3
Ditto Waugh's Pattern, ...	1
Plane Tables, ...	9
Protractors, Rectangular, Brass, 6 inch,...	40
Ditto ditto Ivory, 6 inch,...	48
Rules, Parallel Brass, 1 foot, ...	4
Ditto ditto 1½ feet, ...	4
Ditto Brass Flat, 2 and 3 feet, ...	8
Ditto Ebony Flat, 3½ feet, ...	4
Ditto Ebony Parallel, 15, 18, 24 and 6 inch, ...	20
Sextants, ...	4
Scales, Gunter's Brass, 2 feet, ...	8
Staves, Cross, Wooden,...	2
Theodolites of sorts, ...	31
Telescopes, ...	4
Tapes, Measuring, 100 feet, ...	8
Thermometers, Boiling, ...	4
Ditto Maximum and Minimum, ...	12

Mathematical Instt. Dept., Calcutta; *The 10th February* 1860.

(Signed) H. L. THUILLIER, Major,
Supdt. Mathl. Instt. Department.

From T. PYCROFT, Esq., Chief Secretary to the Government of Fort Saint George, to the Secretary to the Government of India, Home Department,—(No. 89, dated Revenue Department, Fort Saint George, the 18th January 1860.)

With reference to paragraph 2 of the letter from the Officiating Deputy Surveyor General dated 9th November 1859, No. 3, which accompanied the Proceedings of the Government o

Proceedings of the Madras Government, Revenue Department, for the month of April 1860.

India, dated 12th idem, No. 2,276, I am directed by the Governor in Council to enclose a List of Instruments required for the use of the Survey Department in this Presidency, and to request that the sanction of the Government of India may be obtained to their supply from the Calcutta Depôt at an early date.

From Director of Revenue Settlement 23rd December 1859, *No.* 1,129.

No. 218.

Forwarded to the Deputy Surveyor General for compliance with the application.

(By order, &c.)

Home Department, *The 31st January* 1860.

(Signed) R. B. CHAPMAN,
Under-Secy. to the Govt. of India.

Transferred to Mathematical Instrument Depôt for reply.

(Signed) H. L. THUILLIER,
Deputy Surveyor General.

The 1st February 1860.

Proceedings of the Director of Revenue Settlement; dated 23rd December 1859, *No.* 1,129.

Read the following letter from Captain F. J. B. PRIESTLEY, Superintendent, Revenue Survey, to H. NEWILL, Esq., Director of Revenue Settlement, dated 22nd December 1859, No. $\frac{1012}{188}$.

With reference to the Orders of Government dated respectively 2nd and 6th December with your Memorandums attached, I have the honor to state that it will doubtless be more expedient to obtain the Instruments required by this Department from Calcutta, provided that those supplied be not such as have been already in use.

Nos. 1,633 *and* 1,653.

2. I beg to enclose an amended List of the Instruments of which we are in want, and request that the one transmitted with my letter of the 29th ultimo, may be cancelled.

Nos. 959 *and* 178.

3. Should there be any probability of delay occurring at Calcutta in complying with my Indents, I am of opinion that it will be still advisable to transfer about twenty-five Gunter's Chains to the Survey from the Stores of the Department Public Works, as these Chains are, I believe, seldom if ever required by the Officers of that Department.

List of Instruments, &c., required for the Madras Revenue Survey.

Description of Articles.	Number of each.
Chains, Iron, with arrows, 100 feet,...	50
Chains, Gunter's, with arrows, ...	300
Compasses, Beam, wooden, ...	4
Ditto large with Pen and Pencil legs, Brass pair,... ...	12
Ditto small Brass pair, ...	300
Ditto Prismatic, with tripod stands, ...	30
Optical Squares, ...	12
Color Boxes, ...	20
Color Brushes of sizes, ...	100
Water Brushes, ...	10
Bars, Steel, graduated 11 feet, engraved and divided into feet, inches and tenths, for comparing Gunter's Chains, ...	12
Drawing Pens, ...	100

Road Pens, ...	10
Drawing Pins for fastening Maps to Boards,...	500
Plotting and Offsett Scales (16* inch to 1 mile) wooden	24
Mathematical Instruments, including proprotional Compasses in cases,	12
Opisometers, ...	12
Protractors, Brass, rectangular, 6 inch, ...	48
Ditto Ivory ditto 6 inch, ...	24
Rules, Brass, Flat 3½ feet, heavy, ...	4
Ditto 2½ feet, ...	2
Ditto Ebony, Flat 4 feet, ...	2
Ditto Parallel, Flat 3 feet Ebony with Bars,...	6
Ditto 1 foot Ebony with Bars, ...	6
Ditto 6 inches ditto, ...	50
Tapes, measuring 100 feet, ...	4
Telescopes, reconnoitring Ordnance Pattern,...	3
Theodolites 7 inches transit,...	2
Ditto 5 ditto,...	4
Ditto 5, 4½ or 4 inches Everest's Pattern, ...	24
Prussian blue, lake gamboge, each 30, ...	90
Light red-burnt umber each 6, ...	12
Burnt Tienia,...	60
Pentagraphs, 48 inches, ...	2
Ditto 36 inches, ...	6

* *i. e.* 50 on one side, 33 on the other.

(Signed) F. J. B. PRIESTLEY,
Superintendent, Revenue Survey.

Forwarded to Government in reply to their Order, dated 6th instant, No. 1,653, with the request that the Instruments may be obtained from Calcutta according to the amended List.

(Signed) H. NEWILL,
Director of Revenue Survey.

(True Copies.)

(Signed) F. D. ATKINSON, *Major*,
Offg. Secy. to the Govt. of India.

No. 8. ORDER THEREON, 2nd April 1860, No. 505.

Referred to the Director of Revenue Settlement for his opinion, in communication with Captain Priestley as to the best means of procuring supplies of Instruments for the Survey.

2. In a letter to the Government of India of the date and number noted in the margin, this Government pointed out that the large Indent complained of by Major Thuillier was owing to an assurance from the Officer recently acting for him during his absence, that demands for Instruments "to any extent" could be supplied from the Calcutta Stores. This Government requested at the same time that that Indent might be complied with to the extent conveniently practicable.

24th March 1860, *No.* 455.

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

R 2

No 505

Proceedings of the Madras Government
Under date the 2nd April 1860

Read the following
letter from the Offg Secy:
to the Govt of India

Requesting the opinion
of this Govt on the suggestion
of the Inspector General of
Ordnance at Calcutta that
the Survey Dept at Madras
be instructed to indent on
the Home Govt for supplies
of surveying Instruments that
may be required by it.

(Here enter 5 March 60 N 214)

Referred to the
Director of Revenue Settle-
ment for his opinion, in
communication with Capt
Priestley as to the best
means of procuring supp-
plies of Instruments for
the Survey-

2 In a letter to the
Government of India of the
date and number noted
in the

in the Margin, thus Govt. 24th March/60

pointed out ~~to the Govt of~~
~~India~~ that the large
Indent complained of
by Major Thuillier arose
owing to an assurance
from the officer recently
acting for him during
his absence, that demands
for instruments to any
extent could be supplied
from the Calcutta stores.
This Govt requested
at the same time that
that indent might be
complied with to the ex-
~~tent~~ extent consistently prac-
-ticable.

[signature]

[illegible]

[illegible]
H Cosmo, Director of Ord: &c &c &c
[illegible]

Revenue 1860 Dep.t

Pro: of Govt. 10th April.

No. 505.

Pro: of the Electric Govt.

22nd April 1860.

From the Director of Rev.e
Attend.s Genl. of Mil.a
1860 C. No. 799.

Calling on the Director
of Revenue Settlement for
his opinion as to the best
means of procuring supplies
of Instruments for Revenue
Surveys.

No. 708

Answ.d