M.R.O. 1—77,066—8-6-37.

(1) Number of pages 12

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works DEPARTMENT.

G.O. No. 1022 Press Mis.

265-267

Dated 11— 4— 1864.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
11th April 1864.

Read the following papers :—

No. 265. Despatch from the Right Honorable Sir C. WOOD, Bart., Secretary of State for India (Public Works), to His Excellency the Honorable the Governor in Council, Fort Saint George, dated India Office, London 23rd January 1864, No. 2 :—

SIR,

1. I have had under my consideration in Council your two Indents for Stores and Scientific Instruments required for the use of the Public Works Department at Madras, for the year 1863-64, which have been transmitted to the Director General of Stores, India Office, in your Secretary's Letter, No. 2,931, dated 8th October last. The Indents themselves are not numbered, and only one of them bears date.

2. I have sanctioned the Indents, and directed the supply of the various articles included in them, with certain exceptions, a list of which accompanies this Despatch.

3. I request that you will draw the attention of the Officers who have drawn up these Indents to the following points, for their future guidance.

4. The quantities of articles "due" on former Indents have not been shown in the columns provided for that purpose in the Indent for Stores and Machinery, and I desire that this may not be omitted in future.

5. The names of persons from whom the stores are proposed to be procured have been, in many cases, inserted in the Indents in question. This is, no doubt, of much service when the articles demanded are either to repair or replace those of particular makers, and it is also desirable in the case of articles required for any special practical object. I request that, when the names of particular manufacturers are inserted in Indents, the reason for doing so may always be given at the same time.

6. In the Indent for Instruments, I observe that there are demands for, castings for theodolites and levels, and other articles which are apparently only required for the manufacture of of scientific instruments.

7. It is very questionable how far it is advisable to undertake such an important branch of manufacture in a Government Establishment, such as the Mathematical Instrument Workshop at Madras.

8. Upon this subject I transmit an extract of a report from Lieutenant-Colonel Strange, who is at present attached to the India Store Department for the special purpose of selecting and superintending the construction of all descriptions of scientific instruments for the service of the Government of India.

9. It appears perfectly impossible that a Government Department in India should, at the present time, be able to compete, either as regards quality or price, with the eminent makers of instruments in this country, and I have, therefore, suspended the supply of all the articles indented for, for the manufacture of instruments, until I have received a further report upon the subject from your Government, with explanation as to the apparent intention of making theodolites and levels at Madras.

10. The Indents in question have been transmitted, under cover, to the Director General of Stores in this country, and in doing so the officers of the Government have, no doubt, been guided by the printed note on the front page of the printed form of Indent, which states that "Indents of stores should be forwarded from the Presidencies by Heads of Departments by the "first mail, addressed to the Director General of Stores, India Office, London.

11. Experience has proved the inconvenience of this arrangement, and I, therefore, request that the note in question may be omitted in printing the form in future, and that Indents be henceforth transmitted to me, enclosed in a letter from your Government, stating what steps you have taken to satisfy yourself of the propriety of the demands.

12. I wish further to draw attention to the great delay in this instance in transmitting the Indent to England. Although dated in January, it did not reach this country until November of last year.

List of exceptions to supplies on Indents for Machinery, &c., and Instruments, with Madras Public Works Secretary's letter No. 2,931 of 8th October 1863.

Articles.	Number stated to be due.	Number indented for.	Remarks.
Cranes, portable, each 2 tons ...	6	.....	These which are shown "due" were cancelled by Madras Public Works letter No. 21 of 26th March 1861, and have not of course been provided.
Engines, pumping, 12-horse power ...	1	.....	Same remark. Cancelled by Madras Public Works letter No. 64 of 14th July 1862.
Pipes, cast iron, 3¼ inches with flanges, &c., as per drawings.	.....	.....	No drawings received, or quantities shown in Indent.
Instruments.			
Barometers, Aneroid	11	.....	None are due, 8 will be provided to complete established proportion.
Barometers, Mountain	13	.....	None are due, and none will be supplied, established proportion being complete.
Tubes, glass, spare, for Levels, Troughton.	12	.....	None due and none will be supplied.
Chains, iron, measuring 50 feet ...	50	.....	None due, and none will be supplied.
Compasses, Prismatic, with stand ...	15	.....	None due, 25 will be supplied to complete established proportion.
Circumferenters, with Telescope, &c.	9	.....	None due, established proportion complete. None will be supplied.
Do. large, with Verniers, &c. ...	10	2	None due, 12 will be supplied to complete established proportion.
Eidographs, complete	5	.....	None due, and none will be supplied, established proportion being complete.
Protractors, map, circular	30	.....	Do. do. do.
Do. semicircular	10	.....	None due, 3 will be supplied to complete established proportions.
Quadrants, Gunners, &c.	10	.....	None due, 10 will be supplied, to complete established proportion.
Tapes, measuring 100 feet ...	20	.....	None due, and none will be supplied, established proportion complete.
Thermometers, standard	15	.....	None due, 2 will be supplied to complete established proportion.
Raw, Sienna { large, small. }	10	.....	None due, 5 of each will be supplied to complete established proportion.
Slide Rules	.....	.....	20 Copies of instructions will be supplied as requested.
Sap, Green	23	.....	None due, and none will be supplied, established proportion being complete.
Pencils, drawing	400	.....	None due, and none will be supplied, established proportion complete.
Circular dividing machine, &c., &c. ...	.....	1	Will not be supplied.
Brass tubes, in and outside drawn 2½ dia. feet.	.....	6	Half only of these quantities will be supplied, this being considered sufficient for *repairing* purposes.
2 „ „	.....	8	
1¾ „ „	.....	12	
1⅝ „ „	.....	12	
1½ „ „	.....	12	
1⅜ „ „	.....	12	

List of exceptions to supplies on Indents for Machinery, &c., &c.—(Continued.)

Articles.	Number stated to be due.	Number indented for.	Remarks.
Brass tubes in and outside drawn 1 dia. foot.	.....	12	Half only of these quantities will be supplied, this being considered sufficient for *repairing* purposes.
⅞ „ „	.....	8	
¾ „ „	.....	8	
⅝ „ „	.....	8	
Rack in small pieces, feet	.....	10	Further information required as to number of teeth per inch, length, thickness, and purpose for which required.
Pinion in small pieces feet	.....	3	
Glass tubes, filled with Alcohol, for 20' Levels, doz ...	.....	2	Half these quantities only will be supplied as sufficient for repairing purposes, and will be procured from a first class maker.
18"	.....	2	
14"	.....	5	
12"	.....	5	
10"	.....	2½	
7" Theodolites.	.....	2	
5"	.....	5	
Castings for Theodolites and Levels...	.....	.....	Will not be supplied.
"Cubutmortoum" (?) ("Pairs Ride") lbs...	.....	6	This item cannot be at all deciphered.
Emery Powder, middle sort lbs. ...	.....	20	Half of these quantities only will be supplied, being considered sufficient for repairing purposes.
„ „ finer sort „ ...	.....	16	
„ „ finest sort „ ...	.....	16	
„ Paper, middle sort, quires ...	.....	24	
„ „ finer sort „ ...	.....	24	
„ „ finest sort „ ...	.....	12	
Steel, round ¼ diam. lbs. ...	.....	20	
„ Square ¼ „ „ ...	.....	20	
„ „ ⅜ „ „ ...	.....	20	
Locks and keys for small boxes, doz...	.....	12	Cannot be supplied without much fuller description and information of purposes for which required.
Flint Glass	.....	30	
Ground Glass...	.....	50	

No. 266. From Major J. H. M. S. STEWART, R. E., Deputy Secretary to Government, Public Works Department, in charge of Public Works Store Department, to Colonel C. A. ORR, R. E., Secretary to Government, Public Works Department, dated Chepauk, 22nd March 1864, No. 875.

SIR,

2 Indents in duplicate.

1. I have the honor to forward, for submission to the Right Honorable the Secretary of State, the accompanying Indents in Duplicate for Public Works Stores for the year 1864-65.

2. The Indents have been prepared with due regard to the requirements of the Department, and the balances shown as "due on former Indents" have been entered with reference to the exceptions taken, by the Secretary of State, to the supplies required for the year 1863-64. It is hoped that a recurrence of the errors pointed out will in future be avoided.

3. The established proportion has, in many instances, been reduced, while in a few it has been increased to meet the wants of the Department, and the articles now indented for are for the most part to complete the established proportion.

4. I beg to offer a few observations regarding the articles required in the previous Indent for the Mathematical Instrument-maker's Workshop, where the repair of instruments for every branch of the service using them, is carried on.

Circular Dividing Machine.

5. This machine was required not only for making new instruments, but also for repairing old ones. There are at present three Theodolites in the Workshop which require the lower plates to be re-divided. The instruments consequently are useless, though in every other respect they are in excellent order, and I request the sanction of Government to the plates of these two instruments being forwarded to England for the purpose of being re-divided.

Rack in small pieces.
Pinion in do. do.
Castings for Theodolites.
Flint Glass.
Crown Glass.

6. These were required both for making new instruments and for repairing old ones, but as the manufacture of new instruments is disapproved of by the Right Honorable the Secretary of State, these articles have been omitted from the present Indent.

Cubut Mortoum or Paris Red.

7. Is required for polishing glass; this article is again indented for, as Mr. Doderet says that without it he cannot efficiently repair the object glasses of Telescopes, which in India are especially apt to get out or order.

No. 267. ORDER THEREON, 11th April 1864, No. 1,022.

Ordered that the Indents for 1864-65, received with the second of the papers recorded above, be forwarded to the Right Honorable the Secretary of State for India.

(True Extract.)
(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Store Department.

Exd. S. T. Augustin.

Dd. 18 64 Sept 15
Rec. 1st Oct. No. 1282.
From Sd
Major Genl H. M. S. Stewart
Dy Secy to Govt Pub. Wks
in ch of the P. W.
Store Keeper
Dated 22 March 64
Recd 22 March 64
Encs 4
No. 875
Forwarding for submission to the Home Govt, two enclosed Indents in duplicate for Pub. Stores for 1864/65.
No. 1022 - 11th April 64.
No. 266
c. 6th April 1864, No 7th

Explanations with reference to this & ascertaining the Governors Remarks on the Outgoing P. W. Indents

76

Cast Iron Pipes 10" Diameter in Casement Lengths.
No put — 1000

Wrought Iron Piping — 3

For the Ullaon Waterworks Project — One on former Indent — As the Pipes are under provision no description can now be given, and it is believed to be immaterial whether they be classified as Flanged. — The former Indent in this should stand

Wind Mills & H P with Pumps — 8 — 8-24 P. — 8 —

By Georgiane 8 P.

By Pitt Southwark — London

The above remarks have been entered in last Indent.

Branches Cast Iron
Bends — do.
Wasners Fountain Designs

Guindy Project — No Drawings were sent — One on former Indent — the Articles are under provision

N.B. The Column in which all these items are entered, contains the Articles already indented for — Those now required are entered in the next Column, which, it will be observed, is almost blank —

No 2 Public Works Department

Proceedings of the Madras Government
Under date the 11th April 64 -
Read the following
from the Secretary of State

11d

Sanctioning, with certain exceptions,
two Indents for Stores and Scientific
Instruments required for the use of the
P.W.D. at Madras, for 1863/64. and
drawing the attention of the Officers that
drew them up to certain points, for
their future guidance if requesting that Indents
may hereafter be transmitted direct. } H.E. of 23rd January 1864 No 8.
From Dy Secry. to Govt P.W.D. in ch of the
P.W. Stores Departt

Forwarding for submission to the Home
Govt the enclosed Indents in duplicate
for P.W. Stores for 1864/65. } H.E. of 22nd March 1864 No 876

Ordered that the
Indents for 1864/65
received with the
second of the papers
recorded above be
forwarded to the
Right Honble the Secy
of State for India

To the Store Dept

Dept. P.W. 12th April

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Nº 266 @ 267

2 bbls April 1864 R. 7½