

- (1) பக்கங்களின் எண்ணிக்கை 18
 (2) புதுக்கித் திருப்பிய நாள் Jan 90
 (3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம் 10/9

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D குறை

130

அரசாணை எண். மு. கோப்புத் தாள் எண்.	3348	அச்சகம் பலவகை
நாள் :	25-11-1889	198

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

9 sheets

10/9

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2

3348

8TH JUNE 1889, No. 1531 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Despatch from the Right Honorable Lord CROSS, Her Majesty's Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India office, London, 9th May 1889, No. 9, Financial (Stores).

With reference to the letter from your Secretary in the Public Works Department, No. 530 W., dated 21st February 1889, I have to inform your Excellency that I have sanctioned compliance with the indent forwarded therewith for stores required for the Madras Public Works Department during 1889-90.

2. It is observed that the indent includes some demands for drawing and mathematical instruments. As it is desirable to avoid the submission of separate indents from various departments for stores of the same class, often in quantities too small to be purchased at economical rates, it is suggested that in future all such supplies as well as drawing materials, by whatever department in Madras required, should be obtained from the Madras Stationery Department. I may add that the practice of obtaining such supplies from the Presidency Stationery Department is now generally followed in Bengal and Bombay.

ORDER—dated 8th June 1889, No. 1531 W., Public Works.

Communicated to the Superintending Engineer, V Circle, with reference to G.O., No. 529 W., dated 21st February 1889.

2. Para. 2 of the despatch will be circulated for general observance.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
" Public, &c., Departments.
" Revenue Department.
" Military Department.
" *47 Wacc*

Exd. J. Henricus.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1889} Madras.
PUBLIC WORKS.

Dated June, 8th.

Recd.

Encl.

G.O., 8th June 1889, No. 1531 W.

JUNE.

Stores

Orders on despatch from the Secretary of State sanctioning compliance with the indent for — during 1889-90; and suggesting, with reference to the demands for drawing and mathematical instruments, that in future all such supplies should be obtained from the Madras Stationery Department.

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2ND OCTOBER 1889, No. 2762 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

From SIR RICHARD BARLOW, *Bart.*, C.S., Superintendent of Stationery, to the Chief Engineer, Public Works Department, General Buildings and Roads Branch, dated Madras, 30th September 1889, No. 1228-2.

With reference to your letter, dated 19th September 1889, No. 4218 C., I have the honor to inform you that I shall be prepared to carry out the arrangement authorized in G.O., No. 1848 W., dated 11th July 1889, relative to the replacement of missing parts in mathematical instrument boxes, as soon as I have collected estimates (which I have called for) from the several departments for mathematical instruments, &c., required, and have obtained from the Secretary of State, on a supplemental indent, such of the articles as may be necessary to provide for, after taking into account the stock with the Superintendent, Public Works Stores, which will be taken charge of by me.

2. In case you may require any missing parts in mathematical instrument boxes, already in use in the Public Works Department, replaced before the receipt of articles from the Secretary of State, I append a list of such as are available in store at present.

ENCLOSURE.

LIST of spare parts of Mathematical Instrument Boxes available.

	In stock.	Expected from England.
<i>For First-class Instrument Boxes.</i>		
Ink sweep	7	...
Ink leg	...	12
Pencil leg	...	12
Do. sweep	7	...
Spring bow pencil	...	12
Do. pin	10	...
Do. divider	...	12
Lengthening bar	...	12
Sector joint compass with one knee joint	...	12
Drawing pen, fine steel, ivory handled, 6"	...	12
Do. do. do. 4 1/2"	...	12
Dividers, sector joint, with hair-spring	...	12
Rule, parallel, ivory sliding, 6"	...	12
Protector, ivory, 6"	...	12
Sector, ivory, 6" joint	...	12
<i>For Second-class Instrument Boxes.</i>		
Ink sweep	16	...
Ink leg	10	...
Pencil sweep	7	...
Do. leg	10	...
Lengthening bar	11	...

2

	In stock.	Expected from England.
Sector jointed compass with one knee joint	NO.	NO.
Drawing pen, fine steel, ivory handle, 6"	...	12
Do. do. do. 4 1/2"	...	12
Dividers, sector joint, with hair-spring	...	12
Rule, parallel, ivory sliding, 6"	...	12
Protector, ivory, 6"	...	12
Sector, ivory, 6" joint	...	12
	3	12

For Third-class Instrument Boxes.

Protectors, wood, 6"	9	...
Rule, folding, box wood, 12"	11	...

MADRAS,
30th September 1889.

(Signed) R. W. BARLOW,
Superintendent of Stationery.

ORDER—dated 2nd October 1889, No. 2762 W., Public Works.
Communicated to officers of the Public Works Department with reference to
G.O., No. 1848 W., dated 11th July 1889.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Examiner, Public Works Accounts, with reference to
his Office-note No. 1328, dated 14th September 1889.
" Chief Engineer for Irrigation, with copy of G.O., No. 1848 W. of 1889.

Exd. J. Moses.
Spare Copies

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3

GENERAL
ACCOUNT.

Gobt. of {1889} Madras.

PUBLIC WORKS.

Dated October, 2nd.

Recd.

Encl.

G.O., 2nd Oct. 1889, No. 2762 W.

OCTOBER.

Mathematical Instrument Boxes

Letter from the Superintendent of Stationery stating that he is prepared to carry out the arrangements connected with the replacement of missing parts in —, communicated to officers of the Public Works Department,

3348

11TH JULY 1889, No. 1848 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

Office note from the Examiner, Public Works Accounts, dated Madras, 2nd June 1889, No. 925.

Please see the accompanying endorsement (original to be returned) No. 84-Exr., dated 15th May 1889, from the Superintending Engineer, IV Circle, sanctioning the writing off the tools and plant return of a small compass lost out of a mathematical instrument box of the Coimbatore division.

2. I find that, according to the last return of tools and plant, out of a total of 524 boxes of mathematical instruments in use in all divisions, 113 are shown as unserviceable or as wanting in respect of one or more articles which they should contain, the numbering of missing articles varying from 1 to 6, and I think this is probably due to a great extent to the practice, which seems to be very common, of writing off lost parts instead of taking steps to have them replaced, as in many cases that I have noticed they almost certainly could be replaced by the Public Works Stores.

3. Similarly, individual scales or offsets out of a box or set of plotting scales, one of a set of marquois scales, accessories or loose parts of levels and theodolites, such as telescope caps, vernier glasses, &c., are often written off instead of being replaced, with the result of making the instrument comparatively unserviceable.

4. As far as I can discern, there is no actual rule on the subject; but I think Code para. 1675 (lines 8 and 9) implies that lost parts should be actually replaced—whether their value is or is not to be recovered from anybody is quite a separate matter—and, if you agree with me, it might be desirable to lay down as a rule that such lost parts should not be written off until it has been ascertained that they cannot be replaced. If there were such a rule, I could very easily see that it was not overlooked.

5. In the case of lost articles out of boxes of mathematical instruments, the Public Works Stores could always replace them taking them, if necessary, from boxes in store and indenting on England for spare parts from time to time.

ENCLOSURE.

From M.R.Ry. R. C. DYRIANATHA MUDALIAR, Overseer, Public Works Department, to the Sub-Divisional officer, Erode, dated Karur, 4th April 1889, No. 80.

With reference to your No. 398, dated 24th March 1889, on Executive Engineer's endorsement No. 1046, dated 19th March 1889, calling for explanation regarding a small compass of a second-class instrument box, I beg to submit that the little compass was carried by me while inspecting works. It was dropped accidentally somewhere and I was unable to find it out though steps were taken by me. I therefore beg to be excused for the slip.

No. 469.

Submitted to the Executive Engineer with reference to his No. 1046, dated 19th March 1889.

6th April 1889.

(Signed) S. X. SALDANHA,
Sub-Division officer.

W

11TH JULY 1889, No. 1848 W., PUBLIC WORKS.

No. 1760.

Forwarded to the Superintending Engineer, IV Circle, with reference to his endorsement No. 299-C.I. of 6th May 1889.

2. The circumstances under which the compass was lost is explained in the above letter.

3. The value of the compass is Rs. 1-8-0. As there appears to have been no negligence on the part of the overseer, it is recommended that value of the compass may be written off the list of tools and plant.

COIMBATORE,
13th May 1889.

(Signed) J. W. MARTIN,
Executive Engineer.

No. 84-Exr.

Copy communicated to the Examiner of Public Works Accounts with reference to his letter No. 124 S.E-4., dated 3rd instant.

15th May 1889.

(Signed) H. M. VIBART, Col., R.E.,
Superintending Engineer, IV Circle.

ORDER—dated 11th July 1889, No. 1848 W., Public Works.

The suggestions of the Examiner, Public Works Accounts, are approved and will be embodied in the Public Works Code.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To the Examiner, Public Works Accounts.
To Superintending Engineers.
To the Consulting Architect to Government.

Exd. J. Henricus.
Spare Copies

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5

GENERAL
ACCOUNT.

Govt. of {1889} Madras.

PUBLIC WORKS.

Dated July, 11th.

Recd.

Encl.

G.O., 11th July 1889, No. 1848 W.

JULY.

Tools and Plant

Suggestions of the Examiner, Public Works Accounts, in regard to replacing of missing articles out of mathematical instrument boxes, &c., approved and ordered to be embodied in the Public Works Code.

List of Measuring and Mathematical Instruments received from the General Superintendent P. W. Boxes.

No.	Names of Articles	Qty.	Remarks
1	Compasses Beam large	24	
2	" " Small	17	
3	" Comprehensive	1	
4	" Proportional large	7	Without Case
5	" " Small	25	
6	" Triangular	24	Only 1
7	" Brass 6"	2	1 " "
8	Curves Railway in boxes	9	
9	" French " "	22	
10	Slide rules	32	
11	Sub bottles Surveying	8	
12	Mathematical Instruments in boxes 1 st class	39	11 Boxes without Curves
13	" " " 2 nd " "	57	10 " "
14	" " " 3 rd " "	10	
15	" " in High School case Small	253	
16	Tables Brass	21	2 without Cases
17	Bars drawing	9	
18	" Ivory handled with springs	9	
19	" Circular railing with box of wheels	17	
20	Pentagraphs	2	
21	Planimeters	32	
22	Protractors large 12"	2	
23	" " 8"	2	
24	" " 6"	2	1 " "

No 10558

2346

Public Works Store Department
Madras 4 Nov 1889

From Lieut Coll. S. B. Clarke R.E.
General Superintendent,
Public Works Store Dept.

To
The Superintending Engineer
5 mile
Chepauk.

Sir

With reference to your endorsement No 4913, dated 28 October 1889, I have the honor to report that the Drawing and Mathematical Instruments ordered to be transferred to the Stationery Department in G.O. No 1531W, dated 8 June 1889 were made over to that Department on 17 October 1889, as per enclosed list and the receipt of the Superintendent of Stationery has been obtained for the same.

2 With reference to G.O. No 2762W dated 2 October 1889, the following spare parts of Mathematical Instrument Boxes available for issue from stock have this day been made over to the Stationery Department.

As per G.O. No 2762W of 2 ^d October 1889		As available in stock and made over to Stationery Dept.	
For 1st class Instrument Boxes			
Ink sweep	7	6	
Pencil sweep	7	7	
Spring bow pen	10		

G For

No 27620 dated
 2^d October 1889
 no available
 in stock &
 made over
 to Stationery
 Department

For 2^d Class Instrument Bones.

Ink sweep	No. 16	16 (8 of these with springs).
Ink Leg.	10	10
Pencil sweep	7	3
Pencil Leg	10	10
Lengthening Bars	11	11
Sector Ivory 6" joint	3	1

For 3^d Class Instrument Bones

Protractors wood 6"	9	8
Rules folding, boxwood 12"	11	11

I have to
 say S. B. Clarke Lt Col R.E.
 Genl. Supt. P.W. Stores.

No 5587

Forwarded to the Chief
 Engineer P.W. Department for
 information.

Enclosure
 1 List.

W. H. Nuttall
 Suptg. Engineer's Circle

20th Nov 1889.

3348

From
The Chief Engineer
5 mile

To
The Chief Engineer
P.W. Department

10.5.89/25.10.89
B

Dated 20.9
Recd 22.9

Recorded
Recorded

Encl 1

Recd
25.11.89



No. 5587

Drawing of all the material
and documents

10.5.89 - 8.6.89
27.6.89 - 2.10.89
18.10.89 - 11.7.89

Forwards copy of General
Superintendent's letter
No. 1055 dated 24.9.

November 1889 reporting
that he made over
to Shalimoy Reports

with the

(9)

32027/11
8-28/11