

Public Works (1898) Department.

✓ G.O., No. 1275 W

DATED 19 May 98

[Despatch Abstract.]

Books, sanctioning the purchase of professional
to the value of Rs. 200 for the use of the
Office of the Chief Engineer for ~~the~~ P.W.D. and
deciding that such of the books as cannot
be procured in India, be obtained through
the Financial Dept.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
465	10. 297						
480	1. 358						

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Public Works DEPARTMENT.

Papers to be read in Proceedings:—

Again G.O., dated

189 , No.

Again G.O., dated

189 , No.

Current No.

of 1898, dated 25 April , from the Dy. Chief Engr. P.W.D.

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" 189 , "

" "

" "

" 189 , "

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K-1275 Wd 9.5-98
ORDER.

The purchase of professional books to the value of Rs. 200 for the use of the office of the Dy. Chief Engineer P.W.D. is sanctioned. Such of the books as cannot be procured in India will be obtained through the Financial Department.

To The Financial Deptt
" Engrs. P.W. Deptt

APR 9.5.98. 1. 10. 9.5.98.

W. J. P. B. P. W. D. L. H.

G. O No 465 of 10 June 1893
nowhere lays down that
books which can be procured
in India are to be obtained
thru the Financial Dept.

2. All the books want-
ed can, I think, be got in
India, & I am making en-
quiries to that effect. As
to the matter the follow-
ing is a list of books wanted

- (1) Part IV of Notes on Building
Construction (Lynnman)
- (2) Claxton Fidler's Treatise on
bridge construction
- (3) Stoney's Theory of Strains
- (4) Practical designing of struc-
tural ironwork by Henry Adams.
(New)
- (5) Design of structures, bridges,
and roofs by S. Anglin.
(Charles Griffin & Co. London)
- (6) Humber's strains in girders
calculated by formulae (Hyslop,
Boston, Mass)

3. If any of the books
cannot be got in India, it
will have to be got thru the
Financial Dept, but the delay
is likely to be so great that, as
I am concerned, I did not
desire to delay the matter.

H.C.

Kindly say what
papers are to be
copied for the
Financial Dept. The
note by Dr & the list
we should both I
think be sent
to Dr Dept.

\$976
12/5/88

Yes
Rm

12.5.98

Quote the note by Dr
but make a copy of the
list for the Ex^r, please

\$976
12/5/88

might be applied for if
more is available.

3. Let me see last
list of professional books
from Madras 1893

ACK
20. 4.

Wm
Please see G.O. No. 480 W
dated 17. March 1895 (attached)
where the factor of safety is
enforced at 12,500 tons per sq.
inch for steel & 11,250 for iron
members. Dorman & Long's Hand-
book of steel sections has
hitherto been used as our
standard guide & the sections
quoted in the G.O. under refer-
ence are practically the
same as those given in the
handbook.

A modern
work on the
subject would be of much
use in this branch of the
Office.

There is no grant for the pur-
chase of books & the rules
for the purchase of books are
given in Appendix H, Vol. I,
of the Code.

We have no list of hand-
book & specialist professional
books.

Order.

The Deputy Chief Engr. brings to notice the necessity for forming a small library of modern Engineering works for the use of the Chief Engr's Office. P.W. Code, Vol I, Appendix H, para 7, provides for the purchase of books for officers charged with the duty of advising Govt. on important subjects. The Govt. is accordingly pleased to sanction a grant for the current year of Rs 200 for the purchase of books for the Chief Engr's Office.

Asst

25.4.98.

Send to W. Secy.

In cases like this, it is better to send up a note for orders instead of a draft order.

No grant to any office is assigned under "Contingencies". There is sanction of Govt. is sufficient to admit the charge incurred in the purchase of books.

A draft note for orders is accordingly submitted for approval.

The books should be obtained through the Financial Deptt.

May 3rd

1.

Mole-walls & the ordinary booles give no information regarding factor of safety in any thing else for steel structures, which are comparatively modern in bridge & other work. The book by Dorman & May, which is only an advertisement, seems to be the accepted standard in this office for steel beams. It is advisable that a modern book on bridge & structures of steel be procured, if it is not available in the Office.

2. Is there any want for buying books? A small grant of Rs 50

Public Works DEPARTMENT.

O. No. Note by the Dy. Chief Engineer

HIS EXCELLENCY THE GOVERNOR.

THE HONBLE SIR HENRY BLISS, K.C.I.E.

THE HONBLE MR. GROSE, C.I.E.

SUBJECT. Purchase of professional books for the use of the office of the Chief Engineer P.W.D.

FOR ORDERS.

+ paper flagged B

Appd.

4.4.98

5.5.98

To the Financial Department for sanction of counter-initiate

The Deputy Chief Engineer brings to notice the necessity for forming a small library of modern Engineering Works for the use of the Chief Engineer's office. I quite agree with him and recommend that books to the value of Rs 200 be purchased. P.W. Code, Vol I, Appendix H, para 7, provides for the purchase of books for officers charged with the duty of advising Govt. on important subjects. A list of ^{some of the} books required is appended, ~~will be sanctioned~~ and they will, as laid down in para 2 of L.O. No. 465 Financial app^d 10 June 1897, be obtained through the Financial Department, if it is found that they cannot be procured in India.

Asst
2.5.

25.4.98

May

11.6.4.5.98 R.6.5.98

- ✓ (1) Part IV of Notes on Building Construction (Longmans)
- ✓ (2) Claxton Fidler's Treatise on Bridge Construction.
- ✓ (3) Stoney's Theory of Strains.
- (4) Practical designing of structural ironwork by Henry Adams (Spon)
- ✓ (5) Design of structures, bridges, and roofs by S. Auglin.
(Charles Griffin & Co., London)
- (6) Humber's strains in girders calculated by formulae
(Higginbotham, Madras)

Note by D. W.

In the office of the San. Eng. to foot - a small office dealing at most with some dozen considerable projects in the course of each year - there is a very complete and up-to-date library of Sanitary Engineering, and this ^{library} is daily being added to by the purchase of recent works. By means of this library I found that, during the 3 months I held the acting appointment of San. Eng. to foot, I was able to acquire a very fair knowledge of a subject which was previously entirely new to me.

2. On the other hand, in this large office, dealing annually with a considerable number of important estimates on a variety of branches of engineering, there is nothing that can be dignified by the name of library. There are a few old books in the ^{R.W.} Secretariat at Madras that every engineer knows more or less by heart, but they are out of date, and no attempt appears

to have been made for years
past to add to the library by the
annual purchase of a few volumes
of modern steel.

3. I find myself very much
hampered in my work in this
office in consequence ^{in the absence} of there being
no books at all on bridges and
structures of steel - a material
of comparatively ^{recent} use in Engineering.
^{and one that I have found no references for}
All the books I can find contain
no mention whatever of steel, but
much of cast & wrought iron. I
am consequently in continual
dark as matters connected with
the practical application of for-
mulae, and I have no standard
to guide me as regards what
safe strains to allow, and what
proportion of breaking weight
to total load, ^{to commonly accepted}. Such a standard
is necessary, as otherwise great
variations must occur in the
strength of structures. If I am
permitted to purchase a few
modern works, I can study
the subjects, and in the course
of a few months lay down a
standard which will save much
unnecessary calculation that is
now thrown on the office.

APK
25.4.98.