

4070

5-11-18

Gob. of (1895) Madras.

PUBLIC WORKS.

File

Dated

Recd.

Encl.

G.O. 13/12/1895, No. 3195

Ms 3195 W.D. 13-12-25

Budget.

Orders issuing instructions
with regard to the framing
of District Public Works

1 copy for extra copies
3 also printed

220 copies

8
omitted
para 3
40

7/13/18

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General
Account.

READ—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), Mis. No. 5089, dated 9th October 1895.

Read—the following letter from C. M. MULLALY, Esq., Collector of Kurnool, to the Secretary to the Commissioners of Land Revenue, dated 17th September 1895, Ref. on Cur. No. 1569-Eng :—

In forwarding herewith copies of the marginally-noted correspondence between this office and the Superintending Engineer, III Circle, Bellary, on the subject of consulting Collectors in the execution of Public Works, I have, with reference to Board's Proceedings, No. 374, dated 22nd July 1892, the honour to draw attention to the fact that Government apparently has not as yet issued distinct orders in the Public Works Department for submission of Public Works budgets to Collectors for consultation.

2. Hitherto, estimates, &c., of each individual work were being sent for countersignature, but under G.O. No. 762 W., Public Works, dated 8th March 1892, this has been discontinued and only monthly statements sent instead. I asked the Superintending Engineer why, as directed in the above orders, the budget was not sent for consultation. He replies that there is no such order in the Government Order quoted above, issued in the Public Works Branch and therefore, as matters stand at present, Collectors have no say whatever in the matter.

ENCLOSURES.

From C. H. T. NORFOR, Esq., Superintending Engineer, III Circle, to the Collector of Kurnool, dated Bellary, 25th June 1895, No. 898.

I have the honour to inform you that, with reference to paragraph 3 of G.O. No. 762 W. of the 8th March 1892, a monthly return of irrigation estimates sanctioned by the Superintending and Executive Engineers will be furnished to you commencing with next month and the submission of estimates for your countersignature discontinued from the 1st proximo. This procedure is in accordance with that adopted in other circles also.

From C. M. MULLALY, Esq., Collector of Kurnool, to the Superintending Engineer, III Circle, Bellary, dated 8th August 1895, Ref. on Cur. No. 1569-Eng.

Adverting to your letter No. 898, dated 25th June 1895, I have the honour to enquire why the Public Works budget has not hitherto been forwarded to me for opinion as directed in the Government Order quoted by you.

From C. H. T. NORFOR, Esq., Superintending Engineer, III Circle, to the Collector of Kurnool, dated Bellary, 21st August 1895, No. 1570.

With reference to your letter, Ref. on Cur. No. 1569-Eng. of the 8th instant, I have the honour to inform you that no Public Works budget is sent to you for your opinion, because in the Public Works Department order, no such order is given, although reference to it is made in the Revenue Department Government Order.

2. I am given to understand that no budgets are sent to the Collectors in the II Circle also.

Resolution—Mis. No. 5089, dated 9th October 1895.

Submitted for the orders of Government with reference to the correspondence ending with G.O., No. 2477 W., dated 5th September 1892, communicated in G.O., No. 4101, Revenue, dated 15th September 1892.

(True Extract.)

(Signed) L. M. WYNCH,
Secretary.

Mis No. 4545, Revenue.

Transferred to the Public Works Department.

FORT ST. GEORGE,
13th November 1895.

(Signed) L. DAVIDSON,
Ag. Under Secy. to Govt.

ORDER—No. 3195 W., dated 13th December 1895.

The Superintending Engineer is in error, and the Government finds it impossible to understand the position which he appears to have taken up.

2. G.O. No. 870, Revenue, of 12th February 1892, was by G.O. No. 762 W., of 8th March 1892, communicated to Superintending Engineers "for information and guidance," and its provisions were as binding upon officers of this department as if it had been issued therein.

3. It would be necessary to take serious notice of the want of discretion and judgment displayed by Mr. Norfor but for the fact that he has since been relieved of the office of Superintending Engineer.

4. A copy of G.O. No. 870, Revenue, of 12th February 1892, and of the recommendations of the Board of Revenue which it approved will be printed as an appendix to this order.

5. It will be understood that the authority and responsibility of Superintending Engineers as to the inclusion or otherwise of a particular work in the budget is in no way affected by these orders; all that is necessary is that he should consult the Collector when framing his budget, and that when he is unable to agree with the latter he should record and communicate to Government the reasons for his decision.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
" the Examiner, Public Works Accounts.
" the Chief Engineer for Irrigation.
" the Revenue Department.

Exd. Shaik Karim.

Spare Copies

GENERAL.
ACCOUNT.

Govt. of {1895} Madras.
PUBLIC WORKS.

Dated December, 13th.

Recd.

Encl.

G.O. No. 3195 W., 13th Dec. 1895.

DECEMBER.

Budgets

Orders issuing instructions with regard
to the framing of District Public Works —.

APPENDIX.

Order—Mis. No. 870, Revenue, dated 12th February 1892.

Transferred to the Public Works Department with the following remarks :—

(1) The Government concurs in the Board's remarks except as regards the limitation of the return of estimates to works costing Rs. 500 and less. In the opinion of Government the practice of forwarding estimates for the countersignature of Collectors may safely be discontinued in the case of every irrigation work entered in the Public Works budget.

(2) In framing District Public Works budget, Superintending Engineers should invariably consult the Collectors concerned. If in any case they are unable to adopt their suggestions, they should record their reasons for differing from the Collectors and submit the record to Government along with the budget.

(True Extract.)

(Signed) R. H. CAMPBELL,
Acting Assistant Secretary.

Resolution—No. 374, dated 22nd July 1892.

2. Collectors will see that Government has accepted the several recommendations made by the Board in paragraph 8 of its Proceedings, Mis. No. 5977, dated 21st August 1891. These were (1) that the District Public Works budget should be prepared in consultation with the Collector; (2) that works not provided for in the budget should not, except in cases of emergency, be commenced without his previous approval; (3) that the professional advice of the Public Works Department should be wholly at his service; and (4) that he should have a right to propose the construction of new works and the repairs of existing ones, and that his proposals should only be disregarded for reasons to be recorded by the Superintending Engineer.

3. In regard to the District Public Works budgets, it will be observed that Government has laid down that if any of the Collectors' suggestions are not adopted by the Public Works authorities, the case must be sent up for the orders of Government along with the budget.

4. It will also be observed that estimates for individual irrigation works entered in the district budget need no longer be submitted to the Collector for countersignature, whatever their amount. Now that it has been made clear that Collectors are to have a full voice in the preparation of the budget, the submission of such detailed estimates has become unnecessary. But in the case of works not included in the budget, the submission of the estimate to the Collector will of course continue.

(A true Copy and Extract.)

(Signed) W. S. MEYER,
Acting Secretary.

No: 898.

Superintending Engineer
3rd Circle

Belary 25th June 1895.

From

C. A. S. for Ref^y.

Superintending Engineer

III Circle.

To

The Collector of

Karnatak.

Sir,

I have the honor to inform you that

with reference to para 3 of G.O. No:

762 W of the 8th March 1892, a month

return of rivings in estimate submitted

by the Superintending and District

Engineers with the furnished by you

commencing with next month is

the submission of estimates for

Counter signature discontinued

the 1st of June. This procedure

accordance with that adopted in

other Circles also.

I am etc.

Cd C. A. S. for

Sup. Engr. III Circle

(True copy)

1569 295
1895

From the Collector of Kamnab
To the Superintendent Engineer
III Circle, Belang.
Sir
Addressing to your letter no. 898
dated 25 June 95, I have the
honour to enquire why the Public Works
Budget has not hitherto been
forwarded to me for opinion
as directed in the G.O. quoted
by you:

Reference on Camus: 1569 295
of 8th August 1895.

From the Collector of Kamnab
To the Superintendent Engineer
III Circle, Belang.
Sir

Addressing to your letter no. 898
dated 25 June 95, I have the
honour to enquire why the Public Works
Budget has not hitherto been
forwarded to me for opinion
as directed in the G.O. quoted
by you:

I have &c.

Sd/- C. M. Mulhally.
Collector.

(Enclosure)

17.9.

to be sent.

REVENUE DEPARTMENT.
Enclosure No. 1
Current No.

cto: 1570 Superintendent Engrain's office
3^d Circle
Belany 21st August 1905.

From C. N. J. chofo for Engr.

Supp. Engrain. III Circle.

To the collector of Kamnook.

Sir With reference to your letter no.:

R.C. 1569 of the 8th instant, I have the
hon^{or} to inform you that no P.W. Bd.
-get is sent to you for your opinion,
because in the P.W. D. order, no such
order is given, although reference
to it is made in the Revenue depart-
ment G.O.

2. I am glad to understand that
no budgets are sent to the collectors
in the II Circle also.

I have etc.

Sd/ C. N. J. chofo.

Supdt. Engr.

(True copy)

Ind. Wom.

for collector

8/8.
17/90

The Rev. Dept.
order was commu-
nicated for infor-
mation and
guidance
Sd/ W. J. J.
17/90

2
1565/95
P.W. 3
9070/95

1895-
REVENUE DEPARTMENT.
Enclosure 2
Serial No. 72-5

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Ref. No. 1569/1895
ENCLOSURES. 3

Kurnool Collector's Office.

KURNOOL, DATED 17th Sept 1895.

From

C. M. Mullaig Reddy.

COLLECTOR OF KURNOOL.

To

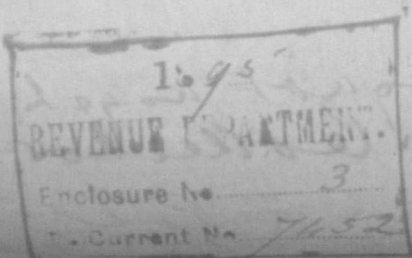
THE SECRETARY TO THE COMMISSIONERS OF
LAND REVENUE
KARNATAKA.

Sir,

I forward you with copies of
the marginally notes correspondence
between this office and the Superintendent
Engineer, III Circle, Bellary, on the subject
of consulting local officers in the exe-
cution of Public Works, I have,
with reference to B.P. no. 374 dated
22nd July 92, the honor to draw
attention to the fact that Government
apparently has not as yet issued
distinct orders in the Public Works

+ 1 Sup. Engrd no 898
25.6.95
2 This off. Ref. No. 1569/1895
3. His reply to no. 1570
21.8.95

2477
59192
165
25892



Department for Submission of
Public Works Budgets to Collectors
for consultation.

2. Hitherto, estimates of each
individual work were being sent for
Counter signature, but under G.O.
no: 762 W. Pub. Works, dated 8 March
1892, this has been discontinued and
only monthly statements to sent in-
stead. I asked the Superintending
Engineer why, as directed in the above
Orders, the Budget was not sent for
Consultation. He replies that there
is no such order in the G.O. quoted
above, issued in the P.W. Branch,
and therefore, as matters stand
at present, Collectors have no
say whatever in the matter.

I have the honor to be
Sir
Yours most obedt Servt

General
Collector

He

Proceedings of the Board of Revenue.

(Land Revenue.)

Dated 9th October 1895,

No.5089 Mis.

Read letter from C. M. Mullaly Esquire, Collector of -
Kurnool, dated 17th September 1895, Ref. on Cur. No.1569/Eng.

Resolution.

Submitted for the orders of Government with -
reference to the correspondence ending with Government Order
dated 5th September 1892, No.2477W. communicated in Govern-
ment Order dated 15th September 1892, No.4101 Rev.

(True Extract.)

(Signed) L.M. Wynch

Secretary.

To

The Secretary to Government, Revenue Department,

with letter and 3 enclosures in original
to be returned.

To be returned
to Revenue Board
with reply.

1895
REVENUE DEPARTMENT.

Enclosure No. 4

(1895.)

REVENUE DEPARTMENT.

Current Number. 7452.

From

The Board of Revenue,
Land Revenue.

P. W. CURRENT No. 9070

ABSTRACT.

*Recd: 14.11.95
Ex: 4*

Endorsement No. 4545 Mis.

Transferred to the

Public Works Department.

*Isabel Davidson
1894*
Ag. Under Secy. to Govt.

Fort St. George,
13th November 1895.

To. The Public Works Dept.

Dated 9th October 1895.

Received 14 " " "

Enclosures 4.

No. 5089 Mis.

SUBJECT.

Submitting for the orders of --
Government letter from the Collector
of Kurnool on the subject of consult-
ing Collectors in the execution of
work in the District and in the pre-
paration of the Public Works budget.

*No. 762-3048-3-92 x
" 2477 " 5-9-92 x
" 3078 " 31-10-89 x
" 6069 " 5-12-89 x
" 478 " 30-6-91 x
" 560 " 21-7-91 x
" 1150 " 19-4-90 x
" 1356-70 " 14-5-90 x
" 3060 " 17-11-90 x
" 412 " 14-2-91 x
" 748 " 14-3-91 x
" 3008 " 11-11-91 x
" 3375-60 " 17-12-91 x
" 433 " 12-2-92 x*

PUBLIC WORKS DEPARTMENT.

*As per Appendix
to 70 D 12.2.92
Res. 270 D 27.7.92
+ 274 D 27.7.92
No 3195 W of 13th December 1895*
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

*From the Board of Rev. (L.R.) (H.E. No. 371 of 22nd July 1892)
Endorsement in the Revenue Dept.
on Proceedings of the Board
of Revenue, L.R. No. 5089 Mis.
dated 9th October 1895. ... (H.E. No. 4545 Mis. of 13th Nov^r 95)
70*

*Note for Press.
Please print
send proof.
R.W.*

*W
5 Dec*

*The Supt. Engineer
is in error, and the
Government finds it im-
possible to understand
the position which he
appears to have taken
up.*

*2. G.O. No. 870 Revenue
of 12th February 1892 was
by G.O. No. 762 W of 8th
March 1892 communicated*

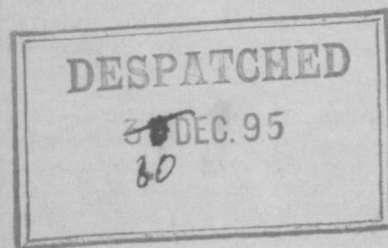
to Supts Engineers "for
information and guidance,
and its provisions were
as binding upon officers
of this Department, as if
it had been issued therein.

3. It would be necessary to
take serious notice of the want
of discretion and judgment
displayed by Mr. Norfor,
but for the fact that
he has since been
relieved of the office
of Supts Engineers.

4. A copy of L.O. No. 870,
Revenue, of 12 February
1892, and of the recom-
mendations of the Board
of Revenue which it
approved will be
printed as an appendix

to this order. 80

5. It will be understood
that the authority and
responsibility of Supts
Engineers as to the
inclusion or otherwise
of a particular work in
the Budget is in no way
affected by these orders;
all that is necessary is
that he should consult
the Collector when framing
his Budget, and that
when he is unable to
agree with the latter he
should record and
communicate to Govt
the reasons for his decision.



Supts Engineers
E. P. W. A.
C. E. P. S.
Rev depts

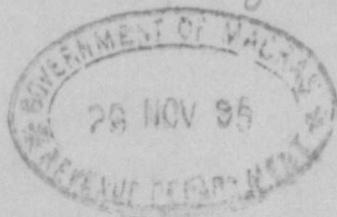
Note for the
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26/11
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cum 26/95

42/10

Instructions with
regard to the framing
of District Public
Works budgets.



To
The Secretary, Govt,
Revenue Dept., for favour
of counter-initials.

S.A.W.
2

3195 W

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following

*Printed in the
Proceedings of the Board of Revenue (Land Revenue), No. 374 dated 22nd
July 1892.*

Print.
Endorsement in the Revenue Department, No. 4545 Mis. dated 13th Novem-
ber 1895, on Proceedings of the Board of Revenue, Land Revenue
No. 5089 Mis., dated 9th October 1895.

*and the present file is
incomplete & undated and
the portion which the
officer has taken
up -
G.O. No. 870 Revenue,
of 12-2-1892
S.P.O. No. 762 H. 2 80
with 1892 comm. and
to be published in
the information and*

The Superintending Engineer is
in error. The order in the Revenue
Department which contains the direc-
tion that Collectors should be con-
sulted in framing District Public
Works Budgets was, in para 1 of G.O.
762 W. dated 8th March 1892, "communi-
cated to Superintending Engineers
for information and guidance". The
recommendations which were then ap-
proved are summarised by the Board
in their Proceedings No. 374 dated
22nd July 1892. A copy of these will
now be issued as an appendix to the
present orders.

C.M.
23/11/95

Supetg. Engineers.

The Examiner P.W. Accounts.

,, Chief Engineer for Irrigation.

,, Revenue Department.

el.

principles", and its provisions were as
 binding upon officers of their Department, as if
 they were its own provisions.

It would be necessary to take various
 views of the merit of observation and
 judgment displayed by the superior,
 as for the fact that the superior
 has received of the Officer of the Department
 given.

~~superior's opinion will report to the~~
~~the superior's report~~

3195W

A copy of S.O. No 870 bearing 12th
 July 1892, with copy of the memorandum
 of the Board of Officers which it referred to
 is printed in an appendix to this order.
 It will be understood that the superior
 is to be the instructor or Director of
 particular work in the Department is in common
 to these orders; all that is new is that the
 should consult the superior before making his report,
 and that in case of a dispute he should refer
 again with the latter he should need and
 communicate to present the same for his decision.

D 25.4

3195W

W

Submitted for
 orders as to whether
 para 3 may appear in
 all copies of the L.O.,
 or only in that going
 to the Sufr. Ingr. III birds

Rur
 7/12.

By W. W. Cook

8

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
 The Secretaries to the Chief Commissioners of the Central Provinces, Burma, and Assam, Public Works Department.
 The Secretaries to the Residents at Hyderabad and in Mysore, Public Works Department.
 The Secretaries to the Agents to the Governor General, Rajputana and Central India, and Baluchistan, Public Works Department.
 The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
 The Director General of Telegraphs.
 The Director General of Military Works.
 The Chief Engineer, Kashmir.
 The Accountant General, Bengal.
 The Consulting Engineers for Railways, Madras and Bombay.
 The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow, and Assam.

Copy forwarded to the Local Governments and Administrations, and to the officers noted in the margin, for information, with the intimation that all Railway Administrations have been supplied with copies direct.

H. A. F. CURRIE,
 for Director General of Railways.

To
 THE

No 3196 W of 13th Decr 1892

*Communicated to
 officers of the P. W. Department.*

*(Sd), J.P.
 W*

*C.E. for I.
 Suptg Engineer
 C. A. to Govt
 S. of W. P. Project
 Engr P.W. acct.*

[General Distribution.]

Circular No. 12.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

To

THE MANAGER, NORTH WESTERN RAILWAY.
THE MANAGER, OUDH AND ROHILKHAND RAILWAY.
THE MANAGER, EASTERN BENGAL STATE RAILWAY.
THE MANAGER, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, KOTRI-ROHRI RAILWAY.
THE ENGINEER-IN-CHIEF, MARI-ATTOCK RAILWAY AND GRADIENT IMPROVEMENT WORKS, NORTH WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, BEZWADA-MADRAS RAILWAY.
THE ENGINEER-IN-CHIEF, RAE-BARELI-BENARES EXTENSION RAILWAY.
THE ENGINEER-IN-CHIEF, ASSAM-BURMA CONNECTION RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, GHAZIABAD-MORADABAD RAILWAY SURVEY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class D.—Permanent-way materials for 1894.

Simla, the 31st October 1895.

SIR,

I HAVE the honour to forward herewith, for information and guidance, a printed statement showing rates, *free on board* in England, for class D State railway stores, permanent-way materials, contracted for by the India Office in 1894.

2. The statement has been divided into two parts, the first part (pages 1 to 14) affords information regarding materials for 5' 6" gauge railways, and the second part (pages 15 to 21) furnishes similar information for metre and other narrow gauge railways.

3. A table showing average sea freight per ton for permanent-way materials landed in India during 1894 at the various ports is prefixed for information.

4. Statements showing the cost and carriage of different descriptions of permanent-way materials for one mile of track (single line) are attached as appendices A and B.

5. In order to arrive at the total cost of class D stores landed in India, an insurance charge of one-half* per cent. on the *free on board* cost *plus* entire sea-freight, should be added in addition to other incidental charges and exchange, which latter should be calculated at the official rate for the year.

I have the honour to be,

SIR,

Your most obedient Servant,

H. A. F. CURRIE,
for Director General of Railways.

Documents accompanying.

1. Table of average sea freight for permanent-way materials.

2. Rate List, Class D, permanent-way materials for 1894.

3. Appendices A and B showing cost and carriage of different descriptions of permanent-way materials for one mile of track (single line).

* For State Railway Stores and Irrigation Works only classed as Imperial. Stores for Provincial and Local Funds and for railways constructed by Native States are charged one per cent. as heretofore.

The Secretaries to the Governments of North-Western Provinces and Oudh, Department.

The Secretaries to the Chief Commissioner, Burma, and Assam, Public Works Department.

The Secretaries to the Residents at Hyderabad, Works Department.

The Secretaries to the Agents to the Government, Central India, and Baluchistan, Public Works Department.

The Superintendent of Port Blair and Chagos, Nicobar Islands.

The Director General of Telegraphs.

The Director General of Military Works.

The Chief Engineer, Kashmir.

The Accountant General, Bengal.

The Consulting Engineers for Railways, Calcutta, Lucknow, and Assam.

To

THE

Copy forwarded to the Local Governments and Administrations, and to the officers noted in the margin, for information, with the intimation that Railway Administrations have been supplied with copies direct.

H. A. F. CURRIE,
Director General of Railways.

26 W/13 Decr. 1895

Communicated
Receipt of the P.W.
Statement.

(Sd), J.P.
W

For I
J.P. Engineer
to Govt
W.P. Project
P.W. acctl.

G. C. Pres

[General Distribution.]

FROM
THE DIRECTOR GENERAL OF RAILWAYS,
To

THE MANAGER, NORTH WESTERN RAILWAY.
THE MANAGER, OUDH AND ROHILKHAND RAILWAY.
THE MANAGER, EASTERN BENGAL STATE RAILWAY.
THE MANAGER, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, KOTRI-ROHRI RAILWAY.
THE ENGINEER-IN-CHIEF, MARI-ATTOCK RAILWAY AND GRADIENT IMPROVEMENT WORKS, NORTH WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, BEZWADA-MADRAS RAILWAY.
THE ENGINEER-IN-CHIEF, RAE-BARELI-BENARES EXTENSION RAILWAY.
THE ENGINEER-IN-CHIEF, ASSAM-BURMA CONNECTION RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, GHAZIABAD-MORADABAD RAILWAY SURVEY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class D.—Permanent-way materials for 1894.

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3. A table showing average sea freight per ton for permanent-way materials landed in India during 1894 at the various ports is prefixed for information.

4. Statements showing the cost and carriage of different descriptions of permanent-way materials for one mile of track (single line) are attached as appendices A and B.

5. In order to arrive at the total cost of class D stores landed in India, an insurance charge of one-half* per cent. on the *free on board* cost *plus* entire sea-freight, should be added in addition to other incidental charges and exchange, which latter should be calculated at the official rate for the year.

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SIR,

Your most obedient Servant,

H. A. F. CURRIE,
for Director General of Railways.

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[General Distribution.]

Circular No. 12.

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THE DIRECTOR GENERAL OF RAILWAYS,
To

THE MANAGER, NORTH WESTERN RAILWAY.
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THE MANAGER, EASTERN BENGAL STATE RAILWAY.
THE MANAGER, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, KOTRI-ROHRI RAILWAY.
THE ENGINEER-IN-CHIEF, MARI-ATTOCK RAILWAY AND GRADIENT IMPROVEMENT WORKS, NORTH WESTERN RAILWAY.
THE ENGINEER-IN-CHIEF, BEZWADA-MADRAS RAILWAY.
THE ENGINEER-IN-CHIEF, RAE-BARELI-BENARES EXTENSION RAILWAY.
THE ENGINEER-IN-CHIEF, ASSAM-BURMA CONNECTION RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, GHAZIABAD-MORADABAD RAILWAY SURVEY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class D.—Permanent-way materials for 1894.

SIR,

Simla, the 31st October 1895.

I HAVE the honour to forward herewith, for information and guidance, a printed statement showing rates, *free on board* in England, for class D State railway stores, permanent-way materials, contracted for by the India Office in 1894.

2. The statement has been divided into two parts, the first part (pages 1 to 14) affords information regarding materials for 5' 6" gauge railways, and the second part (pages 15 to 21) furnishes similar information for metre and other narrow gauge railways.

3. A table showing average sea freight per ton for permanent-way materials landed in India during 1894 at the various ports is prefixed for information.

4. Statements showing the cost and carriage of different descriptions of permanent-way materials for one mile of track (single line) are attached as appendices A and B.

5. In order to arrive at the total cost of class D stores landed in India, an insurance charge of one-half* per cent. on the *free on board* cost *plus* entire sea-freight, should be added in addition to other incidental charges and exchange, which latter should be calculated at the official rate for the year.

I have the honour to be,

SIR,

Your most obedient Servant,

H. A. F. CURRIE,
for Director General of Railways.

Documents accompanying.

1. Table of average sea freight for permanent-way materials.

2. Rate List, Class D, permanent-way materials for 1894.

3. Appendices A and B showing cost and carriage of different descriptions of permanent-way materials for one mile of track (single line).

* For State Railway Stores and Irrigation Works only classed as Imperial. Stores for Provincial and Local Funds and for railways constructed by Native States are charged one per cent. as heretofore.

The Secretaries to the Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab, Public Works Department.
 The Secretaries to the Chief Commissioners of the Central Provinces, Burma, and Assam, Public Works Department.
 The Secretaries to the Residents at Hyderabad and in Mysore, Public Works Department.
 The Secretaries to the Agents to the Governor General, Rajputana and Central India, and Baluchistan, Public Works Department.
 The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
 The Director General of Telegraphs.
 The Director General of Military Works.
 The Chief Engineer, Kashmir.
 The Accountant General, Bengal.
 The Consulting Engineers for Railways, Madras and Bombay.
 The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow, and Assam.

Copy forwarded to the Local Governments and Administrations, and to the officers noted in the margin, for information, with the intimation that all Railway Administrations have been supplied with copies direct.

H. A. F. CURRIE,
for Director General of Railways.

To
 THE

Enclosure to Director General of Railways' Circular No. 12 of 1895.

RATE LIST.

CLASS D.
 PERMANENT-WAY MATERIALS.

FOR 1894.

Enclosure to Director General of Railways' Circular No. 12 of 1895.

Table of average Sea freight for Permanent-way Materials landed during 1894.

Details.		AVERAGE RATE PER TON.								REMARKS.		
		Karachi.		Bombay.		Coconada or Vizagapatam.		Calcutta.			Rangoon.	
		s.	d.	s.	d.	s.	d.	s.	d.		s.	d.
Bolts, fish ...	...	9	3	17	3	...	...	16	3	22	6	Where rates have not been quoted, it should be understood that material was not imported during the year.
Crossings ...	...	12	6	9	6	...	...	13	5	...	...	
Plates, bearing	...	...	...	10	0	...	...	17	6	...	...	
Plates, fish	...	10	4	10	9	...	...	12	4	10	0	
Rails ...	...	10	6	9	4	14	5	12	1	15	5	
Sleepers ...	...	9	7	9	1	...	...	10	0	...	...	
Spikes, dog	...	11	9	11	0	...	...	16	3	18	4	
Switches or points	...	12	6	9	6	...	...	13	5	22	6	

Where rates have not been quoted, it should be understood that material was not imported during the year.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
			lbs.	£ s. d.			
$\frac{30}{315}$ { 26-1-94		Steel, 5½" x 1" with special nuts, for new standard flat-footed steel rails, with 4½" foot.	75	12 15 0	Ton	East Coast	Weight—32.3 oz.
$\frac{32}{258}$ { 16-3-94		Steel, with special nuts, for new standard flat-footed steel rails, with 4½" foot.	75	13 12 6	"	Do.	Weight—30.3 oz.
$\frac{35}{182}$ 15-6-94	Bolts, fish	Steel, 5½" x 1" with washers, for new standard rails, with 4" foot.	75	12 7 6	"	Bhopal-Ujjain	Weight—30 oz.
$\frac{37}{376}$ 29-8-94		Steel, with special nuts, for new standard flat-footed rails, with 4" foot.	75	12 7 6	"	North Western	Weight—30 oz.
$\frac{30}{65}$ 5-1-94		Steel, with special nuts, for new standard flat-footed rails, with 4" foot.	75	13 15 0	"	Bhopal-Ujjain	Weight 30 oz.

CLASS OF STORES D.--PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE--FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{40}{215}$	21-11-94	Bolts, fish--concl'd.	lbs.	£ s. d.			
$\frac{41}{9}$	4-12-94		75	13 7 6	Ton	Kotri-Rohri	Weight--80 oz.
$\frac{39}{106}$	9-10-94	Bolts, hook	75	13 12 6	"	Bhopal-Ujjain	
$\frac{39}{326}$	29-10-94	Chairs	...	25 0 0	Ton	North Western.	Approximate weight 4 lbs. 2 oz.
		Cast-iron (single), for new standard 73lb. bull-headed rails.	78	3 0 6	Ton	North Western.	
		Cast-iron (double), for new standard 73lb. bull-headed rails.	78	3 0 6	"		

$\frac{30}{49}$	3-1-94	Steel, built up, complete, for new standard flat-footed rails with 4" foot--	...	...	...	Each	Bhopal-Ujjain.	
			Angle 1 in 12	...	...	75		
$\frac{32}{117}$	8-8-94	Crossings	1 in 8½	...	...	6 4 0	"	
			1 in 12	...	...	6 5 6	"	
$\frac{34}{189}$	24-5-94	Crossings	1 in 8½	...	...	5 12 6	"	
			1 in 12	...	...	6 1 0	"	
$\frac{37}{375}$	29-8-94	Crossings	1 in 8½	...	...	5 8 6	"	
			1 in 12	...	...	5 17 0	"	
$\frac{38}{15}$	4-9-94	Crossings	1 in 10	...	...	5 17 6	"	
			1 in 12	...	...	5 16 6	"	
$\frac{41}{228}$	22-12-94	Crossings	1 in 8½	...	...	6 7 6	"	
			1 in 12	...	...	5 14 6	"	
$\frac{34}{4}$	2-5-94	Crossings	1 in 8½	...	...	6 7 6	"	
			1 in 12	...	...	5 14 6	"	

Steel keys for crossings
10" long.

Steel, built up, complete, for new standard flat-footed rails 4½" foot.

East Coast.

Oudh and Rohilkhand

Kotri-Rohri.

North-Western.

Bhopal-Ujjain.

North-Western.

Bhopal-Ujjain.

North-Western.

Bhopal-Ujjain.

North-Western.

Bhopal-Ujjain.

North-Western.

Bhopal-Ujjain.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5" 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
32 117 37 375	Crossings— <i>concl.</i>	Steel, "diamond" or "through"— Angle 1 in 8½ ...	lbs.	£ s. d.		North-Western.	Check rail lengthened to 11 ft.
8-3-94		...	75	7 18 0	Set		
29-8-94		1 in 8½ ...	75	7 10 0	"		
		Steel, built up, complete, for double-headed rails— Angle 1 in 12 ...		6 10 0	Each	Eastern Bengal.	
25-6-94		1 in 8½ ...	73	5 13 6	"		
		1 in 6 ...		5 16 0	"		
35 318							
30 39	Plates, bearing ...	Wrought-iron, with four spike holes, for new standard flat-footed rails, 7½" x 7" ...	75	9 19 0	Ton	Bhopal-Ujjain.	Weight 7½ lbs.

38 353	26-9-94	Plates, bearing ...	Wrought-iron, with four spike-holes, for new standard flat-footed rails, 7½" x 7".	75	8 5 0	"	Bhopal-Ujjain	...	Weight 7½ lbs.
32 252	16-3-94		Wrought-iron, with four spike holes, for new standard flat-footed rails, 7½" x 6½" ...	75	7 5 0	"	East Coast	...	Weight 6.65 lbs.
33 428	30-4-94		Wrought-iron, with four spike holes, for new standard flat-footed rails, 7½" x 6½".	75	7 5 0	"	East Coast	...	Weight 6.65 lbs.
30 48	3-1-94	Plates, fish ...	Steel, four-holed, 1' 9½" long for new standard, flat-footed steel rails, with 4" foot.	75	5 1 0	Ton.	Bhopal-Ujjain	...	Weight 32 lbs. per pair.
33 281	28-4-94		Steel, four-holed, 1' 9½" long for new standard, flat-footed rails, with 4" foot.	75	4 17 6	"	Bhopal-Ujjain	...	Weight 32 lbs. per pair.
37 374	29-8-94		Steel, four-holed, 1' 9½" long for new standard, flat-footed rails, with 4" foot.	75	5 5 0	"	North Western	...	Weight 32 lbs. per pair.
40 237	22-11-94		Steel, four-holed, 1' 9½" long for new standard, flat-footed rails, with 4" foot.	75	4 16 9	"	Kotri-Rohri	...	Weight 32 lbs. per pair.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
$\frac{35}{122}$	12-6-94	Plates, fish— <i>concl'd.</i>	lbs.	£ s. d.			
$\frac{30}{352}$	29-1-94		75 & 73	4 16 3	Ton	North Western	Weight 32 lbs. per pair.
$\frac{32}{193}$	13-3-94		75	5 0 0	"	East Coast	Weight 27½ lbs. per pair.
$\frac{35}{123}$	12-6-94		75	4 15 0	"	Do.	Do.
$\frac{30}{351}$	29-1-94	Rails	62	4 16 3	"	North Western	Weight 28 lbs. per pair.
		Steel, flat-footed, new standard, with 4·2" foot (in assorted lengths).	75	3 17 0	Ton	East Coast.	

$\frac{32}{221-22}$	15-3-94	Rails— <i>concl'd.</i>	Steel, new standard, flat-footed, with 4·2" foot (in assorted lengths).	75	3 14 0	"	East Coast.
$\frac{41}{149}$	20-12-94		Steel, new standard, flat-footed, with 4·2" foot (in 27 feet lengths).	75	3 15 0	"	East Coast.
$\frac{33}{382}$	23-4-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 14 0	"	Bhopal-Ujjain.
$\frac{35}{121}$	12-6-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 6	"	North-Western.
$\frac{37}{373}$	29-3-94	Rails— <i>concl'd.</i>	Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 9 6	"	
$\frac{40}{238}$	22-11-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 0	"	Kotri-Rohri.
$\frac{40}{239}$	22-11-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 6	"	
$\frac{35}{120}$	12-6-94		Steel, new standard, bull-headed (in assorted lengths).	73	3 10 6	"	North Western.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.			For what railway.	REMARKS.
				Amount.	Unit.			
$\frac{36}{292}$	Screws ...	Wood, steel, for new standard, flat-footed steel rails, with 4-2" foot.	lbs. } 75	£ s. d. 6 2 9	Per 1,000		East Coast.	
$\frac{30}{97-99}$		<i>For new standard, flat-footed, rails—</i>						
		Transverse, steel, with corrugated clips, stamped steel distance pieces, and steel keys.	} 75	5 2 0	Ton	Bhopal-Ujjain	...	Sleepers=135 lbs. Distance pieces 1 lb., and keys 10" long, 1½ lbs. each.
$\frac{30}{205-260}$	Sleepers ...	Transverse, steel, with corrugated clips and steel keys.	} 75	5 0 0	"	East Coast	...	Sleepers=135 lbs. and keys 10" long = 1½ lb. each.
$\frac{34}{142-143}$		Transverse, steel, with corrugated clips, stamped steel distance pieces, and steel keys.	} 75	5 1 6	"	Bhopal-Ujjain	...	Sleepers=135 lbs. Distance pieces=1'007 lbs., and keys 10" long=1'248 lbs. each.

$\frac{40}{240-242}$		Crosotod (Baltic), red pine, 8 feet 11 inches long, 10 inches wide and 5 inches thick.	} 75	0 3 8	Each	Kotri-Rohri	...	Weight about 128½ lbs.
$\frac{33}{330}$		<i>For steel double-headed rails—</i> Cast-iron, plate, complete with fastenings (Denham Olpherts pattern).	} 73	3 9 4	Ton	Eastern Bengal	...	Weight with fastenings complete=244-94 lbs.
$\frac{39}{192}$	Sleepers—concl. ...	<i>Spare parts of:—</i> Keys 8" for Transverse steel sleepers	75	9 17 6	"	Oudh and Rohilkhand.		
$\frac{35}{119}$		Wrought-iron Cotters	...	12 5 0	"	North Western.		
		Gibs	...	9 7 6	"			
		Tie bars	For Punjab pattern round and oval sleepers.	5 5 0	"			
		Cotters, wrought-iron	...	14 7 6	"			Weight 3-36 lbs. pair.
		" (for curves)	...	24 0 0	"			" 3-70 lbs. "
		Jaws, cast-iron	...	2 19 6	"			" 29-00 lbs. "
		Keys, wrought-iron...	...	16 7 6	"			" 0-62 lbs. "
$\frac{33}{330}$		Tie bars, wrought-iron	...	6 2 6	"			" 22-96 lbs. each.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{30}{39}$ { 2-1-94	Spikes, dog ...	Wrought-iron, 5" long underhead and $\frac{3}{8}$ " square, for new standard, flat-footed, steel rails.	75	11 19 0	Ton.	Bhopal-Ujjain. ...	100 spikes=70 lbs.
$\frac{32}{258}$ { 16-3-94		Do. Do. Do.	75	11 7 6	"	East Coast ...	
$\frac{35}{172}$ { 14-6-94		Do. Do. Do.	75	11 0 0	"	North Western ...	
$\frac{36}{238}$ { 19-7-94		Do. Do. Do.	75	11 0 0	"	East Coast ...	
$\frac{38}{141}$ { 13-9-94		Do. Do. Do.	75	10 12 6	"	North Western ...	

$\frac{38}{353}$ { 26-9-94	Spikes, dog—concl'd.	Wrought-iron, 5" underhead and $\frac{3}{8}$ " square, for new standard, flat-footed, steel rails.	75	11 2 6	"	Bhopal-Ujjain ...	100 spikes=70 lbs.	
$\frac{39}{295}$ { 27-10-94						Do. Do. Do.		Oudh and Rohilkhand
$\frac{40}{212}$ { 21-11-94						Do. Do. Do.		Kotri-Rohri ...
$\frac{38}{403}$ { 27-9-94	Spikes for chairs ...	Wrought iron, 5" underhead and $\frac{3}{8}$ " square ...	75	10 2 6	Ton	North Western ...	1 spike=1 lb.	
$\frac{30}{49}$ { 3-1-94	Switches or points (complete).	For new standard flat-footed rails with $\frac{4}{8}$ " foot:—				Bhopal-Ujjain.		
$\frac{32}{117}$ { 8-3-94		With 15 feet tongue rail and lever boxes ...	75	9 17 6	Set			
		With 12 feet tongue rail and lever boxes ...	75	9 0 0	"			
		Single throw, with 15 feet tongue rails ...	75	10 1 0	"	North Western ...	The stock rails are new standard 73 lbs. bull-head.	
		Single throw, with 12 feet tongue rails ...	75	9 5 0	"			

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{34}{189}$ 24-5-94		<i>For new standard flat-footed rails with 4" foot—concl'd.</i>	lbs.	£ s. d.			
$\frac{38}{15}$ 4-9-94		With lever boxes, complete, with 15 feet tongue rails.	75	8 15 6	Set	Bhopal-Ujjain.	
$\frac{34}{189}$ 24-5-94	Switches or points (complete)— <i>concl'd.</i>	Single throw, complete, with throw over lever, with 15 feet tongue rails.	75	8 8 0	"	Oudh and Rohilkhand.	
$\frac{37}{375}$ 29-8-94		With lever boxes, complete, with 12 feet tongue rails.	75	8 0 0	"	Bhopal-Ujjain.	
$\frac{41}{228}$ 22-12-94		Single throw, complete, with 12 feet tongue rails.	75	8 16 0	"	North Western.	
		Single throw, with lever boxes, 15 feet tongue rails.	75	8 5 6	"	Kotri-Rohri.	

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{84}{4}$ 2-5-94		<i>For new standard flat-footed rails with 4-2" foot:—</i>					
$\frac{39}{296}$ 27-10-94		With lever boxes, complete with 15 feet tongue rails.	75	9 6 6	"	East Coast.	
		With lever boxes, complete with 12 feet tongue rails.	75	8 10 0	"		
$\frac{35}{318}$ 25-6-94	Switches, or points (complete)— <i>concl'd.</i>	<i>For rails, steel, flat-footed, old standard.</i>					
$\frac{38}{15}$ 4-9-94		With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"	North Western.	
		With lever boxes, and 12 feet tongue rails ...	75	9 15 0	"		
$\frac{41}{25}$ 5-12-94		<i>For rails, steel, double-headed.</i>					
		With lever boxes, and 15 feet tongue rails ...	73	8 16 6	"	Eastern Bengal.	
		With lever boxes, and 12 feet tongue rails ...	73	8 4 6	"		
		<i>Spare parts of—</i>					
		Pair of 15 feet tongue rails with connections.	75	4 10 0	"	Oudh and Rohilkhand.	Consisting of: 12 cast iron chairs, 12-1" steel stud bolts and cotter pins for chairs, 2 cast iron heel blocks 8-1" heel steel bolts and 2 rods 1 1/4" diameter.
		Cast-iron lever box frame for—	75	1 0 0	Each	East Coast.	† One bundle consists of 1 right-hand stock rail 18 feet long, with tongue rail 12 feet long; 1 cast iron heel block and five 1" steel heel bolts, nuts and washers.
		Right-hand pair of switches with 12 feet tongue and 18 feet stock rail.	75	4 0 0	Bundle†		

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
<div>32</div> <div>117</div>	Switches, or points— <i>concd.</i>	<i>Spare parts of—</i>	lbs.	£ s. d.			
		Tongue rails, right and left, 15 feet ...	75	2 1 0	Pair	North Western ...	For new standard flat-footed rails with 4" foot.
		" " " 12 " ...	75	1 15 0	"		
<div>40</div> <div>255</div>	Switch locking apparatus.	Locking bars, with one crank, connecting rod and adjusting screw, for double-headed rails.	73	9 7 6	Each	Eastern Bengal.	
		Switch locks (Wood's patent) in sets of 4 each. The 4 keys of each set should differ from each other; but all the sets may have similar keys.	...	4 0 0	"	Eastern Bengal.	

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
<div>39</div> <div>339</div>	Bolks, fish	Steel, with nuts and washers, 3 $\frac{3}{8}$ " x $\frac{3}{4}$ ", for rails, steel.	lbs. 50	14 7 6	Ton	Eastern Bengal ...	1 bolt, nut and washer = 15 oz.
		Steel, with nuts and washers, 3 $\frac{3}{8}$ " x $\frac{3}{4}$ ", for steel rails.	50	13 10 0	"	Linking up M. G. with O. and R. Ry.	
		Steel, with nuts and washers, 3 $\frac{3}{8}$ " x $\frac{3}{4}$ ", for steel rails.	50	14 7 6	"	Burma ...	1 bolt, nut and washer = 15 oz. 1 bolt, nut and washer = 16 $\frac{3}{4}$ oz.
<div>32</div> <div>323</div>		Special, for fish plates, for connecting steel rails, 4" x $\frac{3}{4}$ ", screwed for a length of 2 $\frac{3}{4}$ ".	41 $\frac{1}{4}$	14 7 6	"		
<div>35</div> <div>248</div>		Steel, with nuts and washers, 3 $\frac{1}{8}$ " x $\frac{3}{4}$ ", for rails, steel, flat-footed.	41 $\frac{1}{4}$	16 17 6	"	Mu Valley ...	1 bolt, nut and washer = 11-13 oz.
<div>38</div> <div>12</div>		Steel, with nuts and washers, 3 $\frac{3}{8}$ " x $\frac{3}{4}$ ", for rails, steel, flat-footed.	41 $\frac{1}{4}$	14 7 6	"	Oodeypore-Chittore ...	1 bolt, nut and washer = 15 oz.

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.			
					Amount.	Unit.					
$\frac{36}{350}$	31-7-94	{	Bolts, fish— <i>concl'd.</i>	Steel, with nuts, special for 20 lb. rails, (Vignole's section).	lbs.	20	£ s. d.	35 0 0	Ton	Warora Colliery ...	Special, 2 cwt. only indented for.
$\frac{32}{361}$	22-3-94	{	Crossings	Steel, built up, for rails, steel, flat-footed—	41½	Each	Burma.				
				Angle 1 in 8½ ...							
$\frac{38}{14}$	4-9-94	{	}	Steel, built up, for rails, steel, flat-footed.	41½	"	Oodeypore-Chittore.				
				Angle 1 in 12 ...							
				1 in 8½ ...							
				1 in 6 ...							

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$\frac{38}{13}$ { 4-9-94	Plates, bearing ... {	Wrought-iron, rectangular, for rails, steel, flat-footed.	41½	7 17 6	Ton	Oodeypore-Chittore ...	One bearing plate = 2·33 lbs.
$\frac{32}{89}$ { 7-3-94	Plates, fish	Steel, for new standard rails steel, flat-footed.	50	4 13 0	Ton	Burma	One pair fish plates = 28 lbs.
$\frac{39}{273}$ { 25-10-94		Steel, for new standard rails, steel, flat-footed	50	5 10 0	"	Eastern Bengal	One pair fish plates = 28 lbs.
$\frac{40}{217}$ { 21-11-94		Steel, for new standard rails, steel, flat-footed	50	4 12 6	"	Linking up M. G. with O. and R. Ry.	
$\frac{35}{249}$ { 20-6-94		Steel, for rails, steel, flat-footed	41½	5 16 0	"	Mu Valley	One pair fish plates = 9 lbs. 2 oz.
$\frac{37}{372}$ { 29-8-94		Steel, for rails, steel flat-footed	41½	5 5 0	"	Oodeypore-Chittore ...	
$\frac{36}{350}$ { 31-7-94		Steel, to suit steel rails Vignole's section)	20	40 0 0	"	Warora Colliery ...	Special, 4 cwt. only indented for.

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.
METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{32}{119}$ 8-3-94	Rails...	Steel, new standard, flat-footed, in 30 feet lengths.	lbs. 50	£ s. d. 3 15 9	Ton	Burma.	
$\frac{39}{274}$ 25-10-94		Steel, new standard, flat-footed, in 30 feet lengths.	50	3 10 0	"	Eastern Bengal.	
$\frac{40}{216}$ 21-11-94		Steel, new standard, flat-footed, in assorted lengths of 30, 27 and 24 feet.	50	3 11 6	"	Linking up M. G. with O. and R. Ry.	
$\frac{37}{371}$ 29-8-94		Steel, flat footed, in assorted lengths, 30, 27 and 24 feet.	41½	3 10 6	"	Oodeypore-Chitor.	
$\frac{38}{412}$ 28-9-94		Steel, pit, 18 feet long, with holes drilled in flanges on each side 1½" diameter, 2 feet apart and also fish bolt holes.	18	5 13 0	"	Umaria-Colliery.	

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$\frac{30}{67}$ 6-1-94	Rails—concl'd.	Steel, with steel sleepers and brackets, fish joint connections.	16	248 0 0	Per mile	North Western ...	For a light tramway 24" gauge.
$\frac{33}{248}$ 19-4-94		Steel, with steel sleepers, fish joint connections.	16	114 0 0	760 yards of track.		
$\frac{40}{214}$ 21-11-94	Spikes, dog	Wrought-iron, 4½" x ½", for rails, steel, flat-footed.	50	11 2 6	Ton	Linking up M. G. with O. and R. Ry.	100 spikes = 53 lbs.
$\frac{32}{83}$ 7-3-94		Wrought-iron, 4½" long, for rails, steel, flat-footed.	50 & 41½	11 7 6	"	Burma ...	
$\frac{22}{295}$ 21-4-94		Wrought-iron, 4½" long, for rails, steel, flat-footed.	41½	11 2 6	"	North Western ...	
$\frac{36}{12}$ 4-7-94		Wrought-iron, 4½" long, for rails, steel, flat-footed.	41½	11 2 6	"	Mu Valley	
$\frac{38}{102}$ 7-9-94		Wrought-iron, 4½" x ½" for rails, steel, flat-footed.	41½	10 17 6	"	Oodeypore-Chitor	
$\frac{36}{349}$ 31-7-94		Wrought-iron, 3½" long	18	18 0 0	"	Jorhat ...	100 spikes = 18 lbs. 3 oz.
$\frac{38}{362}$ 26-9-94		Wrought-iron, 3" x ½"	18	17 10 0	"	Umaria-Colliery.	

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METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
			lbs.	£ s. d.			
		Single throw, complete, with lever boxes, for rails, steel, flat-footed :—					
32 361	22-3-94	Single throw, with 12 feet tongue	41½	6 13 6	Set.	Burma.	
38 14	4-9-94	12 feet tongue	41½	6 4 6	"	} Oodeypore-Chitor.	
38 407	27-9-94	9 feet tongue	41½	5 17 0	"		
		12 feet tongue	41½	6 14 6	"	Burma.	
33 248	19-4-94	Switches and crossings, self-contained (1 right and 1 left-hand), with switch boxes.	16	6 2 6	"	North-Western	For a light tramway 24" gauge.
40 131	14-11-94	Metal points and crossings for sidings 1' 6" gauge as under, to suit rails, steel, flat-footed—					
		3 pair, left-hand points, open and close	...				
		3 pair right-hand do	...				
		6 pair crossings for the same	...				
			18	21 0 0	Total	Umaria Colliery.	

Spare parts of—		27-9-94 Switches or points— concl'd.		Burma.	
Lever boxes, wrought-iron connecting rods, for rails.	50 & 41½	0	4	3	Each.
Steel bolts and nuts in sets, comprising 24 bolts and nuts with cast-iron fangs 8" x ¾"	50	0	11	9	Set.
—8 bolts and nuts with 2½" square washers 8" x ¾"—4 bolts and nuts with 1½" round washers, 6" x ¾".	& 41½	0	4	4	Each.
Wrought-iron gauge bars	...	1	10	0	"
Lever boxes, complete	41½	0	1	4	"
Wrought-iron bell crank	...				

1:— A to the Rate List for Class D Stores for 1894.

* This is the rate for sleepers imported during 1893. None received in 1894.

Appendix B to the Rate List for Class D Stores for the year 1894.

Statement showing the carriage of one mile of Permanent-way material complete for one hundred miles of distance.

TYPE OF PERMANENT-WAY (ENGLISH MATERIAL).	STATE RAILWAYS AND EAST INDIAN RAILWAY.				Great Indian Peninsula Railway @ 10.08 pies per ton per mile.	Bombay, Baroda and Central India Railway @ 10.89 pies per ton per mile.	Rajputana-Malwa Railway @ 9.53 pies per ton per mile.	REMARKS.	
	Weight for one mile of single track.	Tons.		Rs.					Rs.
		For first 400 miles 4.08 pies per ton per mile.	For distances in excess of 400 miles @ 2.72 pies per ten per mile.						
New Indian State Railway standard 75 lbs. with 4" foot (5' 6" gauge).		249.37	524.8	349.8	1,296.5	1,400.7	1,225.8		
East Coast Railway Pattern 75 lbs. with 4.2" foot (5' 6" gauge)		246.82	524.5	349.7	1,295.8	1,399.9	1,225.1		
Indian State Railway Pattern 50 lbs. (metre gauge)	...	152.04	323.1	215.4	798.1	862.3	754.6		
Indian State Railway Pattern 41½ lbs. (metre gauge)	...	129.78	275.9	183.9	681.6	736.4	644.4		

N.B.—Terminal charges are not included in the mileage rates for carriage, as it is understood that the material is loaded and unloaded by the owners. The rates given here for the G. I. P. Railway are applicable up to 400 miles of distance only.

Consignments of 100 maunds and over are carried at the following special rates over the Bombay, Baroda and Central India Railway and Rajputana-Malwa Railway:—

From 1 to 100 miles	0.35 pies
" 101 to 200 "	" 0.25 "
" 201 to 400 "	" 0.15 "
Over 400 "	" 0.10 "

per maund per mile, excluding terminals.

Enclosure to Director General of Railways' Circular No. 12 of 1895.

RATE LIST.

CLASS D.
PERMANENT-WAY MATERIALS.

FOR 1894.

G. C. Press, Simla.—No. 807 P. W. D.—8-11-95.—885.

Enclosure to Director General of Railways' Circular No. 12 of 1895.

Table of average Sea freight for Permanent-way Materials landed during 1894.

Details.	AVERAGE RATE PER TON.						REMARKS.
	Karachi.	Bombay.	Coconada or Vizagapatnam.	Calcutta.	Rangoon.		
	s. d.	s. d.	s. d.	s. d.	s. d.		
Bolts, fish ...	9 3	17 3	...	16 3	22 6	Where rates have not been quoted, it should be understood that material was not imported during the year.	
Crossings ...	12 6	9 6	...	13 5	...		
Plates, bearing	...	10 0	...	17 6	...		
Plates, fish	10 4	10 9	...	12 4	10 0		
Rails ...	10 6	9 4	14 5	12 1	15 5		
Sleepers ...	9 7	9 1	...	10 0	...		
Spikes, dog	11 9	11 0	...	16 3	18 4		
Switches or points	12 6	9 6	...	13 5	22 6		

Where rates have not been quoted, it should be understood that material was not imported during the year.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{30}{315}$ { 26-1-94		Steel, 5½" x 1" with special nuts, for new standard flat-footed steel rails, with 4½" foot.	lbs. } 75	£ s. d. 12 15 0	Ton	East Coast	Weight—32.3 oz.
$\frac{32}{258}$ { 16-3-94		Steel, with special nuts, for new standard flat-footed steel rails, with 4½" foot.	75	13 12 6	"	Do.	Weight—30.3 oz.
$\frac{35}{182}$ { 15-6-94	Bolts, fish	Steel, 5½" x 1" with washers, for new standard rail, with 4" foot.	75	12 7 6	"	Bhopal-Ujjain	Weight—30 oz.
$\frac{37}{376}$ { 29-8-94		Steel, with special nuts, for new standard flat-footed rails, with 4" foot.	75	12 7 6	"	North Western	Weight—30 oz.
$\frac{30}{65}$ { 5-1-94		Steel, with special nuts, for new standard flat-footed rails, with 4" foot.	75	13 15 0	"	Bhopal-Ujjain	Weight 30 oz.

CLASS OF STORES D.--PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE--FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
21-11-94	Bolts, fish--conoid.	Steel, with special nuts, for new standard flat-footed rails, with 4" foot.	75	13 7 6	Ton	Kotri-Rohri	Weight--30 oz.
4-12-94		Steel, with special nuts, for new standard rails, with 4" foot.	75	13 12 6	"	Bhopal-Ujjain	
9-10-94	Bolts, hook	Galvanized (for holding down sleepers) with nuts, cheek nuts and washers, 10" x $\frac{3}{8}$ ".	...	25 0 0	Ton	North Western.	Approximate weight $\frac{1}{4}$ lbs. 2 oz.
29-10-94	Chairs	Cast-iron (single), for new standard 73lb. bull-headed rails.	73	3 0 6	Ton	North Western.	
		Cast-iron (double), for new standard 73lb. bull-headed rails.	73	3 0 6	"		

30 49	3-1-94	Steel, built up, complete, for new standard flat-footed rails with 4" foot--	Angle 1 in 12	...	...	6 19 0	Each	Bhopal-Ujjain.
			1 in 8 $\frac{1}{2}$	...	75	6 4 0	"	
32 117	8-3-94		1 in 12	...	75	6 5 6	"	North-Western.
			1 in 8 $\frac{1}{2}$	...	75	5 12 6	"	
34 189	24-5-94	Crossings	1 in 12	...	75	6 1 0	"	Bhopal-Ujjain.
			1 in 8 $\frac{1}{2}$	...	75	5 8 6	"	
37 375	29-8-94		1 in 8 $\frac{1}{2}$	...	75	5 17 0	"	North-Western.
38 15	4-9-94		1 in 10	...	75	5 17 6	"	Oudh and Rohilkhand
41 228	22-12-94	Steel, built up, complete, for new standard flat-footed rails 4-2" foot.	1 in 12	...	75	5 16 6	"	Kotri-Rohri.
			1 in 12	...	75	6 7 6	"	East Coast.
	2-5-94		1 in 8 $\frac{1}{2}$	...	75	5 14 6	"	

Steel keys for crossings 10" long.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5" 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
<div>32</div> <div>117</div> <div>37</div> <div>375</div>		Steel, "diamond" or "through"— Angle 1 in 8½ ... 1 in 8½ ...	lbs.	£ s. d.	Set	North-Western.	Check rail lengthened to 11 ft.
				7 18 0			
				7 10 0	"		
<div>35</div> <div>318</div>	Crossings—conoid....	Steel, built up, complete, for double-headed rails— Angle 1 in 12 ... 1 in 8½ ... 1 in 6 ...	78	6 10 0	Each	Eastern Bengal.	
				5 13 6	"		
				5 16 0	"		
<div>30</div> <div>39</div>	Plates, bearing ...	Wrought-iron, with four spike holes, for new standard flat-footed rails, 7½" × 7"	75	9 19 0	Ton	Bhopal-Ujjain.	Weight 7½ lbs.

<div>38</div> <div>353</div>	28-9-94	Plates, bearing ...	Wrought-iron, with four spike-holes, for new standard flat-footed rails, 7½" × 7".	75	8 5 0	"	Bhopal-Ujjain	...	Weight 7½ lbs.
<div>32</div> <div>252</div>	16-3-94		Wrought-iron, with four spike holes, for new standard flat-footed rails, 7½" × 6½"	75	7 5 0	"	East Coast	...	Weight 6.65 lbs.
<div>33</div> <div>428</div>	30-4-94		Wrought-iron, with four spike holes, for new standard flat-footed rails, 7½" × 6½"	75	7 5 0	"	East Coast	...	Weight 6.65 lbs.
<div>30</div> <div>48</div>	3-1-94	Plates, fish ...	Steel, four-holed, 1' 9½" long for new standard, flat-footed steel rails, with 4" foot.	75	5 1 0	Ton.	Bhopal-Ujjain	...	Weight 32 lbs. per pair.
<div>33</div> <div>281</div>	28-4-94		Steel, four-holed, 1' 9½" long for new standard, flat-footed rails, with 4" foot.	75	4 17 6	"	Bhopal-Ujjain	...	Weight 32 lbs. per pair.
<div>37</div> <div>374</div>	29-8-94		Steel, four-holed, 1' 9½" long for new standard, flat-footed rails, with 4" foot.	75	5 5 0	"	North Western	...	Weight 32 lbs. per pair.
<div>40</div> <div>237</div>	22-11-94		Steel, four-holed, 1' 9½" long for new standard, flat-footed rails, with 4" foot.	75	4 16 9	"	Kotri-Rohri	...	Weight 32 lbs. per pair.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
$\frac{35}{122}$	12-6-94	Plates, fish— <i>concl'd.</i>	lbs.	£ s. d.	Ton	North Western	Weight 32 lbs. per pair.
$\frac{30}{352}$	29-1-94		75 & 73	4 16 3	Ton	North Western	Weight 32 lbs. per pair.
$\frac{32}{193}$	13-3-94		75	5 0 0	"	East Coast	Weight 27½ lbs. per pair.
$\frac{35}{123}$	12-6-94		75	4 15 0	"	Do.	Do.
$\frac{30}{351}$	29-1-94		62	4 16 3	"	North Western	Weight 28 lbs. per pair.
		Rails	75	3 17 0	Ton	East Coast.	

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$\frac{32}{221-22}$	15-3-94	Rails— <i>concl'd.</i>	Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 14 0	"	East Coast.
$\frac{41}{149}$	20-12-94		Steel, new standard, flat-footed, with 4" foot (in 27 feet lengths).	75	3 15 0	"	East Coast.
$\frac{33}{382}$	28-4-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 14 0	"	Bhopal-Ujjain.
$\frac{35}{121}$	12-6-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 6	"	North-Western.
$\frac{37}{373}$	29-8-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 9 6	"	North-Western.
$\frac{40}{233}$	22-11-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 0	"	Kotri-Rohri.
$\frac{40}{239}$	22-11-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 6	"	Kotri-Rohri.
$\frac{35}{120}$	12-6-94		Steel, new standard, bull-headed (in assorted lengths).	73	3 10 6	"	North Western.

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{30}{39}$	2-1-94	Wrought-iron, 5" long underhead and $\frac{5}{8}$ " square, for new standard, flat-footed, steel rails. Do. Do. Do. Do.	75	£ s. d.	Ton.	Bhopal-Ujjain.	100 spikes = 70 lbs.
$\frac{32}{258}$	16-3-94			11 19 0	"	East Coast	
$\frac{35}{172}$	14-6-94			11 7 6	"	North Western	
$\frac{36}{238}$	19-7-94			11 0 0	"	East Coast	
$\frac{38}{141}$	18-9-94			10 12 6	"	North Western	

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$\frac{38}{353}$	20-9-94	Spikes, dog—conoid.	75	11 2 6	"	Bhopal-Ujjain	100 spikes = 70 lbs.
$\frac{39}{295}$	27-10-94			10 12 6	"	Oudh and Rohilkhand	
$\frac{40}{212}$	21-11-94			10 17 6	"	Kotri-Rohri	
$\frac{38}{403}$	27-9-94	Spikes for chairs ...	75	10 2 6	Ton	North Western	1 spike = 1 lb.
$\frac{30}{49}$	3-1-94	Switches or points (complete).	75	9 17 6	Set	Bhopal-Ujjain.	The stock rails are new standard 73 lbs. bull-head.
				9 0 0	"		
$\frac{32}{117}$	8-3-94			10 1 0	"	North Western	

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
		<i>For new standard flat-footed rails with 4' foot—concl'd.</i>	lbs.	£ s. d.			
34 189	24-5-94	With lever boxes, complete, with 15 feet tongue rails.	75	8 15 6	Set	Bhopal-Ujjain.	
38 15	4-9-94	Single throw, complete, with throw over lever, with 15 feet tongue rails.	75	8 8 0	"	Oudh and Rohilkhand.	
34 189	24-5-94	With lever boxes, complete, with 12 feet tongue rails.	75	8 0 0	"	Bhopal-Ujjain.	
37 375	20-8-94	Single throw, complete, with 12 feet tongue rails.	75	8 16 0	"	North Western.	
41 228	22-12-94	Single throw, with lever boxes, 15 feet tongue rails.	75	8 5 6	"	Kotri-Rohri.	

For new standard flat-footed rails with 4 2" foot:—		For rails, steel, flat-footed, old standard.		For rails, steel, double-headed.		Switches, or points (complete)— <i>could</i> .		Spare parts of—		Cast-iron lever box frame for—		Right-hand pair of switches with 12 feet tongue and 18 feet stock rail.		Consisting of: 12 cast iron chairs, 12 1" steel stud bolts and cottiers for chairs, 2 cast iron heel blocks 8-1" heel steel bolts and 2 rods 1 1/4" diameter.		† One bundle consists of 1 right-hand stock rail 18 feet long, with tongue rail 12 feet long; 1 cast iron heel block and five 1" steel heel bolts, nuts and washers.											
84 4	2-5-94	With lever boxes, complete with 15 feet tongue rails.	75	9 6 6	"	East Coast.		With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"	North Western.		With lever boxes, and 12 feet tongue rails ...	75	9 15 0	"	Eastern Bengal.		Oudh and Rohilkhand.		East Coast.		Each	1 0 0	Bundlet	4 0 0
39 296	27-10-94	With lever boxes, complete with 12 feet tongue rails.	75	8 10 0	"			With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"			With lever boxes, and 12 feet tongue rails ...	75	8 4 6	"			Oudh and Rohilkhand.			Each	1 0 0			Bundlet
35 318	25-6-94	With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"	East Coast.		With lever boxes, and 12 feet tongue rails ...	75	9 15 0	"	North Western.		With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"	Eastern Bengal.		Oudh and Rohilkhand.		East Coast.		Each	1 0 0	Bundlet	4 0 0
38 15	4-9-94	With lever boxes, and 12 feet tongue rails ...	75	8 16 6	"			With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"			With lever boxes, and 12 feet tongue rails ...	75	8 4 6	"			Oudh and Rohilkhand.			Each	1 0 0			Bundlet
41 25	5-12-94	With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"	East Coast.		With lever boxes, and 12 feet tongue rails ...	75	9 15 0	"	North Western.		With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"	Eastern Bengal.		Oudh and Rohilkhand.		East Coast.		Each	1 0 0	Bundlet	4 0 0

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
<div> <div>32</div> <div>117</div> </div>	<div> <div>8-3-94</div> <div>Switches, or points— concl'd.</div> </div>	<div> <div>Spare parts of—</div> <div>Tongue rails, right and left, 15 feet</div> <div>...</div> </div>	lbs.	£ s. d.			
			75	2 1 0	Pair	North Western ...	For new standard flat-footed rails with 4" foot.
			75	1 15 0	"		
<div> <div>40</div> <div>255</div> </div>	<div> <div>26-11-94</div> <div>Switch locking apparatus.</div> </div>	<div> <div>Locking bars, with one crank, connecting rod and adjusting screw, for double-headed rails.</div> <div>Switch locks (Wood's patent) in sets of 4 each. The 4 keys of each set should differ from each other; but all the sets may have similar keys.</div> </div>	73	9 7 6	Each	Eastern Bengal.	
			...	4 0 0	"	Eastern Bengal.	

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
<div> <div>39</div> <div>339</div> </div>	<div> <div>30-10-94</div> <div></div> </div>	<div> <div>Steel, with nuts and washers, 3$\frac{3}{8}$" x $\frac{3}{4}$", for rails, steel.</div> <div>Steel, with nuts and washers, 3$\frac{3}{8}$" x $\frac{3}{4}$", for steel rails.</div> <div>Steel, with nuts and washers, 3$\frac{3}{8}$" x $\frac{3}{4}$", for steel rails.</div> </div>	lbs.	£ s. d.			
			50	14 7 6	Ton	Eastern Bengal	<div> <div>1 bolt, nut and washer = 15 oz.</div> <div>...</div> </div>
			50	13 10 0	"	Linking up M. G. with O. and R. Ry.	
<div> <div>40</div> <div>213</div> </div>	<div> <div>21-11-94</div> <div></div> </div>	<div> <div>Steel, with nuts and washers, 3$\frac{3}{8}$" x $\frac{3}{4}$", for rails, steel.</div> <div>Special, for fish plates, for connecting steel rails, 4" x $\frac{3}{4}$", screwed for a length of 2$\frac{1}{2}$".</div> </div>	50	14 7 6	"	Burma	<div> <div>1 bolt, nut and washer = 15 oz.</div> <div>1 bolt, nut and washer = 16$\frac{3}{4}$ oz.</div> </div>
			41 $\frac{1}{2}$	14 7 6	"		
<div> <div>32</div> <div>323</div> </div>	<div> <div>20-3-94</div> <div>Bolts, fish</div> </div>	<div> <div>Steel, with nuts and washers, 3$\frac{3}{8}$" x $\frac{3}{4}$", for rails, steel, flat-footed.</div> <div>Steel, with nuts and washers, 3$\frac{3}{8}$" x $\frac{3}{4}$", for rails, steel, flat-footed.</div> </div>	41 $\frac{1}{2}$	16 17 6	"	Mu Valley	1 bolt, nut and washer = 11.18 oz.
			41 $\frac{1}{2}$	14 7 6	"	Oodeypore-Chittore ...	1 bolt, nut and washer = 15 oz.

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{36}{350}$ { 31-7-94	Bolts, fish— <i>conoid</i> .	Steel, with nuts, special for 20 lb. rails, (Vignole's section).	lbs. 20	£ s. d. 35 0 0	Ton	Warora Colliery ...	Special, 2 cwt. only indented for.
$\frac{32}{361}$ { 22-3-94	Crossings	Steel, built up, for rails, steel, flat-footed—	41½	4 14 0	Each	Burma.	
		Angle 1 in 8½ ...					
		Steel, built up, for rails, steel, flat-footed.					
$\frac{38}{14}$ { 4-9-94		Angle 1 in 12 ...	41½	4 8 0	"	Oodeypore-Chittore.	
		1 in 8½ ...					
		1 in 6 ...					

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$\frac{38}{13}$ { 4-9-94	Plates, bearing ... {	Wrought-iron, rectangular, for rails, steel, flat-footed.	41½	7 17 6	Ton	Oodeypore-Chittore ...	One bearing plate = 2·33 lbs.
$\frac{32}{89}$ { 7-3-94	Plates, fish ... {	Steel, for new standard rails steel, flat-footed.	50	4 13 0	Ton	Burma	One pair fish plates = 28 lbs.
$\frac{39}{273}$ { 25-10-94		Steel, for new standard rails, steel, flat-footed	50	5 10 0	"	Eastern Bengal	One pair fish plates = 28 lbs.
$\frac{40}{217}$ { 21-11-94		Steel, for new standard rails, steel, flat-footed	50	4 12 6	"	Linking up M. G. with O. and R. Ry.	
$\frac{35}{249}$ { 20-6-94		Steel, for rails, steel, flat-footed	41½	5 16 0	"	Mu Valley	One pair fish plates = 9 lbs. 2 oz.
$\frac{37}{372}$ { 29-8-94		Steel, for rails, steel flat-footed	41½	5 5 0	"	Oodeypore-Chittore ...	
$\frac{36}{350}$ { 31-7-94		Steel, to suit steel rails Vignole's section) ...	20	40 0 0	"	Warora Colliery ...	Special, 4 cwt. only indented for.

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{32}{119}$ 8-3-94	Rails...	Steel, new standard, flat-footed, in 30 feet lengths.	lbs. 50	£ s. d. 3 15 9	Ton	Burma.	
$\frac{39}{274}$ 25-10-94		Steel, new standard, flat-footed, in 30 feet lengths.	50	3 10 0	"	Eastern Bengal.	
$\frac{40}{216}$ 21-11-94		Steel, new standard, flat-footed, in assorted lengths of 30, 27 and 24 feet.	50	3 11 6	"	Linking up M. G. with O. and R. Ry.	
$\frac{37}{371}$ 29-8-94		Steel, flat footed, in assorted lengths, 30, 27 and 24 feet.	41½	3 10 6	"	Oodeypore-Chitor.	
$\frac{38}{412}$ 28-9-94		Steel, pit, 18 feet long, with holes drilled in flanges on each side $\frac{1}{8}$ " diameter, 2 feet apart and also fish bolt holes.	18	5 13 0	"	Umaria-Colliery.	

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$\frac{30}{67}$ 6-1-94	Rails—concl'd.	Steel, with steel sleepers and brackets, fish joint connections.	16	248 0 0	Per mile	North Western ...	For a light tramway 24" gauge.
$\frac{33}{248}$ 19-4-94		Steel, with steel sleepers, fish joint connections.	16	114 0 0	760 yards of track.		
$\frac{40}{214}$ 21-11-94	Spikes, dog	Wrought-iron, $4\frac{3}{4}" \times \frac{5}{8}"$, for rails, steel, flat-footed.	50	11 2 6	Ton	Linking up M. G. with O. and R. Ry.	100 spikes = 53 lbs.
$\frac{32}{88}$ 7-3-94		Wrought-iron, $4\frac{1}{2}"$ long, for rails, steel, flat-footed.	50 & 41½	11 7 6	"	Burma ...	
$\frac{22}{295}$ 21-4-94		Wrought-iron, $4\frac{1}{2}"$ long, for rails, steel, flat-footed.	41½	11 2 6	"	North Western ...	
$\frac{36}{12}$ 4-7-94		Wrought-iron, $4\frac{3}{4}"$ long, for rails, steel, flat-footed.	41½	11 2 6	"	Mu Valley	
$\frac{38}{102}$ 7-9-94		Wrought-iron, $4\frac{3}{4}" \times \frac{5}{8}"$ for rails, steel, flat-footed.	41½	10 17 6	"	Oodeypore-Chitor ...	
$\frac{36}{349}$ 31-7-94		Wrought-iron, $3\frac{1}{2}"$ long	18	18 0 0	"	Jorhat ...	100 spikes = 18 lbs. 3 oz.
$\frac{38}{362}$ 26-9-94		Wrought-iron, $3" \times \frac{3}{8}"$	18	17 10 0	"	Umaria-Colliery.	

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METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
				£ s. d.			
		Single throw, complete, with lever boxes, for rails, steel, flat-footed :—	lbs.				
22-3-94		Single throw, with 12 feet tongue ...	41½	6 13 6	Set.	Burma.	
4-9-94		12 feet tongue	41½	6 4 6	"	} Oodeypore-Chitor.	
		9 feet tongue ...	41½	5 17 0	"		
27-9-94		12 feet tongue ...	41½	6 14 6	"	Burma.	
19-4-94	Switches or points	Switches and crossings, self-contained (1 right and 1 left-hand), with switch boxes.	16	6 2 6	"	North-Western	For a light tramway 2½" gauge.
		Metal points and crossings for sidings 1' 6" gauge as under, to suit rails, steel, flat-footed—					
		3 pair, left-hand points, open and close ...					
14-11-94		3 pair right-hand do do.	18	21 0 0	Total	Umaria Colliery.	
		6 pair crossings for the same ...					

Spare parts of—		Burma.	
Lever boxes, wrought-iron connecting rods, for rails.	50 & 41½	0 4 3	Each.
Steel bolts and nuts in sets, comprising 24 bolts and nuts with cast-iron fangs 8" x ¾"	50 & 41½	0 11 9	Set.
—8 bolts and nuts with 2½" square washers 8" x ¾"—4 bolts and nuts with 1½" round washers, 6" x ¾".			
Wrought-iron gauge bars	50 & 41½	0 4 4	Each.
Lever boxes, complete	41½	1 10 0	"
Wrought-iron bell crank	41½	0 1 4	"

Appendix A to the Rate List for Class D Stores for 1894.
Statement showing the cost of permanent-way material for one mile of line (single track).

WITH FLAT-FOOTED STEEL RAILS ON TRANSVERSE STEEL SLEEPERS.															
Description of Permanent-way.	Quantity to be delivered per mile of single track.	CHARGES INCURRED IN ENGLAND.										English charges converted to Indian currency at 18½ rupees = £1.	Landing charges in India at Rs. 2 per ton.	Total cost delivered at port in India.	REMARKS.
		Cost free on board at port in England.		Average sea freight calculated at 13s. 0d. per ton.	Insurance at one-half per cent. on prime cost plus sea freight.	TOTAL ENGLISH CHARGES.									
		Per ton of material.	Per mile of single track.												
							£ s. d.	£ s. d.							
5' 6" Gauge.															
Rails, steel, 75 lbs. per yard, with four-holed fish-plates (new Indian State railway standard) —	117-86	3 10 11	417 18 3	76 12 2	2 9 5	496 19 10	9,111	236	9,347						
Fish-plates —	5-84	4 19 4	26 10 5	3 9 5	0 3 0	30 2 10	553	11	564						
Fish bolts with nuts and washers —	1-31	13 2 0	17 3 3	0 17 0	0 1 10	18 2 1	332	3	335						
Sleepers, steel, transverse, with keys and distance pieces —	124-86	5 1 9	635 4 6	81 3 2	3 11 8	719 19 4	13,199	250	13,449						
TOTAL	249-37	...	1,096 10 5	162 1 9	6 5 11	1,265 4 1	23,195	500	23,695						
Rails, steel, 75 lbs. per yard (East Coast railway pattern) —	117-86	3 15 4	443 18 9	76 12 2	2 12 1	523 3 0	9,591	236	9,827						
Fish-plates —	4-59	4 17 6	22 7 6	2 19 8	0 2 6	25 9 8	467	9	476						
Fish-bolts, with nuts and washers —	1-76	13 3 9	23 4 3	1 2 10	0 2 5	24 9 6	449	4	453						
Sleepers, steel, transverse, with keys —	122-61	5 0 0	613 1 0	79 13 11	3 9 3	696 4 2	12,764	245	13,009						
TOTAL	246-82	...	1,102 11 6	160 8 7	6 6 3	1,269 6 4	23,271	494	23,765						
Metre gauge.															
Rails, steel, 50 lbs. per yard (State railway pattern) —	78-57	3 12 5	284 9 9	51 1 5	1 13 7	337 4 9	6,183	157	6,340						
Fish-plates —	4-67	4 18 6	23 0 0	3 0 9	0 2 7	26 3 4	480	9	489						
Fish-bolts, with nuts and washers —	0-65	14 3 2	9 4 1	0 8 5	0 1 0	9 13 6	177	2	179						
Sleepers, steel, transverse, with keys —	68-15	*5 10 0	374 16 6	44 5 11	2 1 11	421 4 4	7,722	136	7,858						
TOTAL	152-04	...	691 10 4	98 16 6	3 19 1	794 5 11	14,562	304	14,866						
Rails, steel, 41½ lbs. per yard (State railway pattern) —	64-82	3 10 6	228 9 10	42 2 8	1 7 1	271 19 7	4,986	130	5,116						
Fish-plates —	1-52	5 10 6	8 8 0	0 19 9	0 1 0	9 8 9	178	3	176						
Fish-bolts, with nuts and washers —	0-65	15 0 0	9 15 0	0 8 5	0 1 0	10 4 5	187	1	188						
Sleepers, steel, transverse, with keys —	62-79	*5 10 0	345 6 11	40 16 3	1 18 7	388 1 9	7,115	156	7,241						
TOTAL	129-78	...	591 19 9	84 7 1	3 7 8	679 14 6	12,461	260	12,721						

This is the rate for sleepers imported during 1893. None received in 1894.

* This is the rate for sleepers imported during 1893. None received in 1894.

Appendix B to the Rate List for Class D Stores for the year 1894.

Statement showing the carriage of one mile of Permanent-way material complete for one hundred miles of distance.

TYPE OF PERMANENT-WAY (ENGLISH MATERIAL).	Weight for one mile of single track.	STATE RAILWAYS AND EAST INDIAN RAILWAY.		* Great Indian Peninsula Railway @ 10.08 pies per ton per mile.	Bombay, Baroda and Central India Railway @ 10.89 pies per ton per mile.	Rajputana-Malwa Railway @ 9.53 pies per ton per mile.	REMARKS.
		For first 400 miles per ton per mile.	For distances in excess of 400 miles @ 2.72 pies per ton per mile.				
	Tons.	Rs.	Rs.	Rs.	Rs.	Rs.	
New Indian State Railway standard 75 lbs. with 4" foot (5' 6" gauge).	249.37	524.8	349.8	1,296.5	1,400.7	1,225.8	
East Coast Railway Pattern 75 lbs. with 4.2" foot (5' 6" gauge)	246.82	524.5	349.7	1,295.8	1,399.9	1,225.1	
Indian State Railway Pattern 50 lbs. (metre gauge)	152.04	323.1	215.4	798.1	862.3	754.6	
Indian State Railway Pattern 41½ lbs. (metre gauge)	129.78	275.9	183.9	681.6	736.4	644.4	

N.B.—Terminal charges are not included in the mileage rates for carriage, as it is understood that the material is loaded and unloaded by the owners. The rates given here for the G. I. P. Railway are applicable up to 400 miles of distance only.

Consignments of 100 maunds and over are carried at the following special rates over the Bombay, Baroda and Central India Railway and Rajputana-Malwa Railway:—

From 1 to 100 miles	... 0.35 pies	} per maund per mile, excluding terminals.
" 101 to 200 "	... 0.25 "	
" 201 to 400 "	... 0.16 "	
Over 400 "	... 0.10 "	

Enclosure to Director General of Railways' Circular No. 12 of 1895.

RATE LIST.

CLASS D.
PERMANENT-WAY MATERIALS.

FOR 1894.

G. C. Press, Simla.—No. 807 P. W. D.—8-11-95.—885.

Enclosure to Director General of Railways' Circular No. 12 of 1895.

Table of average Sea freight for Permanent-way Materials landed during 1894.

Details.		AVERAGE RATE PER TON.								REMARKS.		
		Karachi.		Bombay.		Coconada or Vizagapatam.		Calcutta.			Rangoon.	
		s.	d.	s.	d.	s.	d.	s.	d.		s.	d.
Bolts, fish	...	9	3	17	3	...	...	16	3	22	6	Where rates have not been quoted, it should be understood that material was not imported during the year.
Crossings	...	12	6	9	6	...	...	13	5	...	...	
Plates, bearing	...	...	...	10	0	...	...	17	6	...	...	
Plates, fish	...	10	4	10	9	...	...	12	4	10	0	
Rails	...	10	6	9	4	14	5	12	1	15	5	
Sleepers	...	9	7	9	1	...	...	10	0	...	...	
Spikes, dog	...	11	9	11	0	...	...	16	3	18	4	
Switches or points	...	12	6	9	6	...	...	13	5	22	6	

Where rates have not been quoted, it should be understood that material was not imported during the year.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
			lbs.	£ s. d.			
$\frac{30}{315}$ { 26-1-94		Steel, 5½" x 1" with special nuts, for new standard flat-footed steel rails, with 4·2" foot.	75	12 15 0	Ton	East Coast	Weight—32·3 oz.
$\frac{32}{258}$ { 16-3-94		Steel, with special nuts, for new standard flat-footed steel rails, with 4·2" foot.	75	13 12 6	"	Do.	Weight—30·3 oz.
$\frac{35}{182}$ 15-6-94	Bolts, fish	Steel, 5½" x 1" with washers, for new standard rails, with 4" foot.	75	12 7 6	"	Bhopal-Ujjain	Weight—30 oz.
$\frac{37}{376}$ 29-8-94		Steel, with special nuts, for new standard flat-footed rails, with 4" foot.	75	12 7 6	"	North Western	Weight—30 oz.
$\frac{30}{65}$ 5-1-94		Steel, with special nuts, for new standard flat-footed rails, with 4" foot.	75	13 15 0	"	Bhopal-Ujjain	Weight 30 oz.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{40}{215}$	21-11-94	Bolts, fish— <i>conold</i> .	lbs.	£ s. d.	Ton	Kotri-Rohri	Weight—30 oz.
$\frac{41}{9}$	4-12-94		75	13 7 6	Ton	...	
$\frac{39}{106}$	9-10-94	Bolts, hook	75	13 12 6	"	Bhopal-Ujjain	...
$\frac{39}{326}$	29-10-94	Chairs	...	25 0 0	Ton	North Western.	Approximate weight 4 lbs. 2 oz.
			73	3 0 6	Ton	North Western.	
			73	3 0 6	"		

$\frac{30}{49}$	3-1-94	Steel, built up, complete, for new standard flat-footed rails with 4" foot—	...	...	...	Each	Bhopal-Ujjain.
$\frac{32}{117}$	8-3-94		Angle 1 in 12	...	75	"	...
$\frac{34}{189}$	24-5-94	Crossings	1 in 8½	...	75	"	North-Western.
$\frac{37}{375}$	29-8-94		1 in 12	...	75	"	...
$\frac{38}{15}$	4-9-94		1 in 8½	...	75	"	Bhopal-Ujjain.
$\frac{41}{228}$	22-12-94		1 in 12	...	75	"	North-Western.
$\frac{34}{4}$	2-5-94	Steel, built up, complete, for new standard flat-footed rails 4-2" foot.	1 in 12	...	75	"	Oudh and Rohilkhand
			1 in 8½	...	75	"	Kotri-Rohri.
			...	...	75	"	East Coast.

Steel keys for crossings 10" long.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5" 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
<div>32</div> <div>117</div> <div>37</div> <div>375</div>		Steel, "diamond" or "through"— Angle 1 in 8½ ... 1 in 8½ ...	lbs.	£ s. d.		North-Western.	Check rail lengthened to 11 ft.
			75	7 18 0	Set		
			75	7 10 0	"		
<div>35</div> <div>318</div>	Crossings— <i>conoid</i>	Steel, built up, complete, for double-headed rails— Angle 1 in 12 ... 1 in 8½ ... 1 in 6 ...	73	6 10 0	Each	Eastern Bengal.	
				5 13 6	"		
				5 16 0	"		
<div>30</div> <div>39</div>	Plates, bearing ...	Wrought-iron, with four spike holes, for new standard flat-footed rails, 7½" x 7" ...	75	9 19 0	Ton	Bhopal-Ujjain.	Weight 7½ lbs.

<div>38</div> <div>353</div>	26-9-94	Plates, bearing ...	75	8 5 0	"	Bhopal-Ujjain	Weight 7½ lbs.
<div>32</div> <div>252</div>	16-3-94		75	7 5 0	"	East Coast	Weight 6.65 lbs.
<div>33</div> <div>428</div>	30-4-94		75	7 5 0	"	East Coast	Weight 6.65 lbs.
<div>30</div> <div>48</div>	3-1-94	Plates, fish ...	75	5 1 0	Ton.	Bhopal-Ujjain	Weight 32 lbs. per pair.
<div>33</div> <div>281</div>	28-4-94		75	4 17 6	"	Bhopal-Ujjain	Weight 32 lbs. per pair.
<div>37</div> <div>374</div>	29-8-94		75	5 5 0	"	North Western	Weight 32 lbs. per pair.
<div>40</div> <div>237</div>	22-11-94		75	4 16 9	"	Kotri-Rohri	Weight 32 lbs. per pair.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
			lbs.	£ s. d.			
$\frac{35}{122}$ { 12-6-94	Plates, fish— <i>conold.</i>	Steel, four-holed, 1' 9½" long for new standard, flat-footed rails, with 4" foot and for bull-headed rails.	75 & 73	4 16 3	Ton	North Western	Weight 32 lbs. per pair.
$\frac{30}{352}$ { 29-1-94		Steel, five-holed, 1' 7½" long for new standard, flat-footed rails, with 4·2" foot.	75	5 0 0	"	East Coast	Weight 27½ lbs. per pair.
$\frac{32}{193}$ { 13-3-94		Steel, five-holed, 1' 7½" long for new standard, flat-footed rails, with 4·2" foot.	75	4 15 0	"	Do.	Do.
$\frac{35}{123}$ { 12-6-94		Steel, four-holed, for Indian State Railway, flat-footed rails (old 75lb. section).	62	4 16 3	"	North Western	Weight 28 lbs. per pair.
$\frac{30}{351}$ { 29-1-94	Rails	Steel, flat-footed, new standard, with 4·2" foot (in assorted lengths).	75	3 17 0	Ton	East Coast.	

$\frac{32}{221-22}$ { 15-3-94	Rails— <i>conold.</i>	Steel, new standard, flat-footed, with 4·2" foot (in assorted lengths).	75	3 14 0	"	East Coast.
$\frac{41}{149}$ { 20-12-94		Steel, new standard, flat-footed, with 4·2" foot (in 27 feet lengths).	75	3 15 0	"	East Coast.
$\frac{33}{382}$ { 28-4-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 14 0	"	Bhopal-Ujjain.
$\frac{35}{121}$ { 12-6-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 6	"	North-Western.
$\frac{37}{373}$ { 29-8-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 9 6	"	
$\frac{40}{238}$ { 22-11-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 0	"	Kotri-Rohri.
$\frac{40}{239}$ { 22-11-94		Steel, new standard, flat-footed, with 4" foot (in assorted lengths).	75	3 10 6	"	
$\frac{35}{120}$ { 12-6-94		Steel, new standard, bull-headed (in assorted lengths).	73	3 10 6	"	North Western.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.
5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{26}{292}$ { 24-7-94	Screws ...	Wood, steel, for new standard, flat-footed steel rails, with 4-2" foot.	lbs. } 75	£ s. d. 6 2 9	Per 1,000	East Coast.	
$\frac{30}{97-99}$ { 9-1-94		<i>For new standard, flat-footed, rails—</i>					
$\frac{30}{255-260}$ { 22-1-94	Sleepers ...	Transverse, steel, with corrugated clips, stamped steel distance pieces, and steel keys.	} 75	5 2 0	Ton	Bhopal-Ujjain	Sleepers=135 lbs. Distance pieces 1 lb., and keys 10" long, 1½ lbs. each.
$\frac{34}{142-143}$ { 19-5-94		Transverse, steel, with corrugated clips and steel keys.	} 75	5 0 0	"	East Coast	Sleepers=135 lbs. and keys 10" long =1½ lb. each.
		Transverse, steel, with corrugated clips, stamped steel distance pieces, and steel keys.	} 75	5 1 6	"	Bhopal-Ujjain	Sleepers=135 lbs. Distance pieces=1.007 lbs., and keys 10" long=1.248 lbs. each.

$\frac{40}{240-242}$ { 23-11-94		Crescoted (Baltic), red pine, 8 feet 11 inches long, 10 inches wide and 5 inches thick.	} 75	0 3 8	Each	Kotri-Rohri	Weight about 128½ lbs.
$\frac{33}{330}$ { 26-4-94		<i>For steel double-headed rails—</i>					
		Cast-iron, plate, complete with fastenings (Denham Olpherts pattern).	} 73	3 9 4	Ton	Eastern Bengal	Weight with fastenings complete=244.94 lbs.
$\frac{39}{192}$ { 17-10-94		<i>Spare parts of:—</i>					
		Keys 8" for Transverse steel sleepers	75	9 17 6	"	Oudh and Rohilkhand.	
$\frac{35}{119}$ { 12-6-94		Wrought-iron Cotters	...	12 5 0	"	North Western.	
		"	...	9 7 6	"		
		Tie bars	...	5 5 0	"		
		For Punjab pattern round and oval sleepers.					
		Cotters, wrought-iron	...	14 7 6	"	Eastern Bengal	Weight 3.36 lbs. pair.
		" (for curves)	...	24 0 0	"		" 3.70 lbs. "
		Jaws, cast-iron	...	2 19 6	"		" 29.00 lbs. "
$\frac{33}{330}$ { 26-4-94		Keys, wrought-iron	78	16 7 6	"		" 0.62 lbs. "
		Tie bars, wrought-iron	...	6 2 6	"		" 22.96 lbs. each.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{30}{39}$ { 2-1-94	Spikes, dog ...	Wrought-iron, 5" long underhead and $\frac{5}{8}$ " square, for new standard, flat-footed, steel rails.	75	11 19 0	Ton.	Bhopal-Ujjain. ...	100 spikes = 70 lbs.
$\frac{32}{253}$ { 16-3-94		Do. Do. Do.	75	11 7 6	"	East Coast ...	
$\frac{35}{172}$ { 14-6-94		Do. Do. Do.	75	11 0 0	"	North Western ...	
$\frac{36}{238}$ { 19-7-94		Do. Do. Do.	75	11 0 0	"	East Coast ...	
$\frac{38}{141}$ { 13-9-94		Do. Do. Do.	75	10 12 6	"	North Western ...	

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$\frac{38}{353}$ { 26-9-94	Spikes, dog—concl'd.	Wrought-iron, 5" underhead and $\frac{5}{8}$ " square, for new standard, flat-footed, steel rails.	75	11 2 6	"	Bhopal-Ujjain ...	100 spikes = 70 lbs.
$\frac{39}{295}$ { 27-10-94		Do. Do. Do.	75	10 12 6	"	Oudh and Rohilkhand ...	
$\frac{40}{212}$ { 21-11-94		Do. Do. Do.	75	10 17 6	"	Kotri-Rohri ...	
$\frac{38}{403}$ { 27-9-94	Spikes for chairs ...	Wrought iron, 5" underhead and $\frac{5}{8}$ " square ...	75	10 2 6	Ton	North Western ...	1 spike = 1 lb.
$\frac{80}{49}$ { 3-1-94	Switches or points (complete).	For new standard flat-footed rails with $\frac{4}{8}$ " foot:—					
$\frac{32}{117}$ { 8-3-94		With 15 feet tongue rail and lever boxes ...	75	9 17 6	Set	Bhopal-Ujjain.	
		With 12 feet tongue rail and lever boxes ...	75	9 0 0	"		
		Single throw, with 15 feet tongue rails ...	75	10 1 0	"	North Western ...	The stock rails are new standard 73 lbs. bull-head.
		Single throw, with 12 feet tongue rails ...	75	9 5 0	"		

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{34}{189}$		<i>For new standard flat-footed rails with 4" foot—concl'd.</i>	lbs.	£ s. d.			
24-5-94		With lever boxes, complete, with 15 feet tongue rails.	75	8 15 6	Set	Bhopal-Ujjain.	
$\frac{38}{15}$		Single throw, complete, with throw over lever, with 15 feet tongue rails.	75	8 8 0	"	Oudh and Rohilkhand.	
24-5-94	Switches or points (complete)—concl'd.	With lever boxes, complete, with 12 feet tongue rails.	75	8 0 0	"	Bhopal-Ujjain.	
$\frac{37}{375}$		Single throw, complete, with 12 feet tongue rails.	75	8 16 0	"	North Western.	
22-12-94		Single throw, with lever boxes, 15 feet tongue rails.	75	8 5 6	"	Kotri-Rohri.	

$\frac{84}{4}$	2-5-94	With lever boxes, complete with 15 feet tongue rails.	75	9 6 6	"	East Coast.	
		With lever boxes, complete with 12 feet tongue rails.	75	8 10 0	"		
$\frac{39}{296}$	27-10-94	<i>For rails, steel, flat-footed, old standard.</i>				North Western.	
		With lever boxes, and 15 feet tongue rails ...	75	10 15 6	"		
		With lever boxes, and 12 feet tongue rails ...	75	9 15 0	"	Eastern Bengal.	
$\frac{35}{318}$	25-6-94	<i>For rails, steel, double-headed.</i>					
		With lever boxes, and 15 feet tongue rails ...	73	8 16 6	"	Oudh and Rohilkhand.	
		With lever boxes, and 12 feet tongue rails ...	73	8 4 6	"		
$\frac{38}{15}$	4-9-94	<i>Spare parts of—</i>				East Coast.	
		Pair of 15 feet tongue rails with connections.	75	4 10 0	"		
		Cast-iron lever box frame for—					
$\frac{41}{25}$	5-12-94	Right-hand pair of switches with 12 feet tongue and 18 feet stock rail.	75	1 0 0	Each		
			75	4 0 0	Bundlet†		

Consisting of: 12 cast iron chairs, 12-1" steel stud bolts and cotters for chairs, 2 cast iron heel blocks 8-1" heel steel bolts and 2 rods 1½" diameter.

† One bundle consists of 1 right-hand stock rail 18 feet long, with tongue rail 12 feet long; 1 cast iron heel block and five 1" steel heel bolts, nuts and washers.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5' 6" GAUGE.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{32}{1117}$	Switches, or points— <i>concl'd.</i>	<i>Spare parts of—</i>	lbs.	£ s. d.			
		Tongue rails, right and left, 15 feet ...	75	2 1 0	Pair	North Western ...	For new standard flat-footed rails with 4" foot.
		" " " 12 " ...	75	1 15 0	"		
$\frac{40}{255}$	Switch locking apparatus.	Locking bars, with one crank, connecting rod and adjusting screw, for double-headed rails.	73	9 7 6	Each	Eastern Bengal.	
		Switch locks (Wood's patent) in sets of 4 each. The 4 keys of each set should differ from each other; but all the sets may have similar keys.	...	4 0 0	"	Eastern Bengal.	

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{39}{339}$		Steel, with nuts and washers, $3\frac{3}{8}" \times \frac{3}{4}"$, for rails, steel.	lbs.	£ s. d.			
			50	14 7 6	Ton	Eastern Bengal ...	1 bolt, nut and washer = 15 oz.
$\frac{40}{213}$		Steel, with nuts and washers, $3\frac{3}{8}" \times \frac{1}{2}"$, for steel rails.	50	13 10 0	"	Linking up M. G. with O. and R. Ry.	
		Steel, with nuts and washers, $3\frac{3}{8}" \times \frac{3}{8}"$, for steel rails.	50	14 7 6	"	Burma ...	1 bolt, nut and washer = 15 oz. 1 bolt, nut and washer = 16½ oz.
$\frac{32}{323}$	Bolts, fish	Special, for fish plates, for connecting steel rails, $4" \times \frac{3}{4}"$, screwed for a length of $2\frac{1}{2}"$.	41½	14 7 6	"		
		Steel, with nuts and washers, $3\frac{3}{8}" \times \frac{5}{8}"$, for rails, steel, flat-footed.	41½	16 17 6	"	Mn Valley.	1 bolt, nut and washer = 11.13 oz.
$\frac{35}{248}$		Steel, with nuts and washers, $3\frac{3}{8}" \times \frac{3}{4}"$, for rails, steel, flat-footed.	41½	14 7 6	"	Oodeypore-Chittore ...	1 bolt, nut and washer = 15 oz.

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
36 { 350	Bolts, fish— <i>concl'd.</i>	Steel, with nuts, special for 20 lb. rails, (Vignole's section).	lbs. 20	£ s. d. 35 0 0	Ton	Warora Colliery ...	Special, 2 cwt. only indented for.
32 { 361	Crossings	Steel, built up, for rails, steel, flat-footed— Angle 1 in 8½ ...	41½	4 14 0	Each	Burma.	
		Steel, built up, for rails, steel, flat-footed.					
38 { 14		Angle 1 in 12 ... 1 in 8½ ... 1 in 6 ...	41½	4 8 0	"	Oodeypore-Chittore.	

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38 { 13	4-9-94	Plates, bearing ...	Wrought-iron, rectangular, for rails, steel, flat-footed.	41½	7 17 6	Ton	Oodeypore-Chittore ...	One bearing plate = 2·33 lbs.
32 { 89	7-3-94	Plates, fish	Steel, for new standard rails steel, flat-footed.	50	4 13 0	Ton	Burma	One pair fish plates = 28 lbs.
89 { 273	25-10-94		Steel, for new standard rails, steel, flat-footed	50	5 10 0	"	Eastern Bengal	One pair fish plates = 28 lbs.
40 { 217	21-11-94		Steel, for new standard rails, steel, flat-footed	50	4 12 6	"	Linking up M. G. with O. and R. Ry.	
35 { 249	20-6-94		Steel, for rails, steel, flat-footed	41½	5 16 0	"	Mu Valley	One pair fish plates = 9 lbs. 2 oz.
37 { 372	29-8-94		Steel, for rails, steel flat-footed	41½	5 5 0	"	Oodeypore-Chittore ...	
36 { 350	31-7-94	Steel, to suit steel rails Vignole's section)	...	20	40 0 0	"	Warora Colliery ...	Special, 4 cwt. only indented for.

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
$\frac{32}{119}$ 8-3-94	Rails ...	Steel, new standard, flat-footed, in 30 feet lengths.	50	£ s. d. 3 15 9	Ton	Burna.	
$\frac{39}{274}$ 25-10-94		Steel, new standard, flat-footed, in 30 feet lengths.	50	3 10 0	"	Eastern Bengal.	
$\frac{40}{216}$ 21-11-94		Steel, new standard, flat-footed, in assorted lengths of 30, 27 and 24 feet.	50	3 11 6	"	Linking up M. G. with O. and R. Ry.	
$\frac{37}{371}$ 29-8-94		Steel, flat footed, in assorted lengths, 30, 27 and 24 feet.	41½	3 10 6	"	Oodeypore-Chitor.	
$\frac{38}{412}$ 28-9-94		Steel, pit, 18 feet long, with holes drilled in flanges on each side $\frac{1}{16}$ " diameter, 2 feet apart and also fish bolt holes.	18	5 13 0	"	Umaria-Colliery.	

$\frac{30}{67}$ 6-1-94	Rails—concl'd.	Steel, with steel sleepers and brackets, fish joint connections.	16	248 0 0	Per mile	North Western ...	For a light tramway 24" gauge.
$\frac{33}{248}$ 19-4-94		Steel, with steel sleepers, fish joint connections.	16	114 0 0	760 yards of track.		
$\frac{40}{214}$ 21-11-94	Spikes, dog	Wrought-iron, 4½" x ½", for rails, steel, flat-footed.	50	11 2 6	Ton	Linking up M. G. with O. and R. Ry.	100 spikes = 53 lbs.
$\frac{32}{88}$ 7-3-94		Wrought-iron, 4½" long, for rails, steel, flat-footed.	50 & 41½	11 7 6	"	Burna ...	
$\frac{23}{295}$ 21-4-94		Wrought-iron, 4½" long, for rails, steel, flat-footed.	41½	11 2 6	"	North Western ...	
$\frac{36}{12}$ 4-7-94		Wrought-iron, 4½" long, for rails, steel, flat-footed.	41½	11 2 6	"	Mu Valley	
$\frac{38}{102}$ 7-9-94		Wrought-iron, 4½" x ½" for rails, steel, flat-footed.	41½	10 17 6	"	Oodeypore-Chitor ...	
$\frac{36}{349}$ 31-7-94		Wrought-iron, 3½" long	18	18 0 0	"	Jorhat ...	100 spikes = 18 lbs. 3 oz.
$\frac{38}{362}$ 26-9-94		Wrought-iron, 3" x ½"	18	17 10 0	"	Umaria-Colliery.	

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE AND NARROW GAUGES.

Contracted for in 1894.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railway.	REMARKS.
				Amount.	Unit.		
32 361		Single throw, complete, with lever boxes, for rails, steel, flat-footed :—	lbs.	£ s. d.			
22-3-94		Single throw, with 12 feet tongue	41½	6 13 6	Set.	Burma.	
38 14		12 feet tongue	41½	6 4 6	"	} Oodeypore-Chitor.	
4-9-94		9 feet tongue	41½	5 17 0	"		
38 407		12 feet tongue	41½	6 14 6	"	Burma.	
27-9-94		Switches and crossings, self-contained (1 right and 1 left-hand), with switch boxes.	16	6 2 6	"	North-Western	For a light tramway 2½" gauge.
33 248		Metal points and crossings for sidings 1' 6" gauge as under, to suit rails, steel, flat-footed—					
40 131		3 pair, left-hand points, open and close	18	21 0 0	Total	Umamia Colliery.	
14-11-94		3 pair right-hand do					
		6 pair crossings for the same					

Spare parts of—

38 407	27-9-94	Switches or points— concl'd.	50 & 41½	0 4 3	Each.	
		Lever boxes, wrought-iron connecting rods, for rails.				
		Steel bolts and nuts in sets, comprising 24 bolts and nuts with cast-iron fangs 8" x ¾"	50 &	0 11 9	Set.	Burma.
		—8 bolts and nuts with 2½" square washers 8" x ¾"—4 bolts and nuts with 1½" round washers, 6" x ¾".	41½			
		Wrought-iron gauge bars	50 & 41½	0 4 4	Each.	
		Lever boxes, complete	41½	1 10 0	"	
		Wrought-iron bell crank	41½	0 1 4	"	

Appendix A to the Rate List for Class D Stores for 1894.

Statement showing the cost of permanent-way material for one mile of line (single track).

WITH FLAT-FOOTED STEEL RAILS ON TRANSVERSE STEEL SLEEPERS.												
Description of Permanent-way.	Quantity to be delivered per mile of single track.	CHARGES INCURRED IN ENGLAND.							English charges converted to Indian currency at 18½ rupees = £1.	Landing charges in India at Rs. 2 per ton.	Total cost delivered at port in India.	REMARKS.
		Cost free on board at port in England.		Average sea freight calculated at 13s. 0d. per ton.	Insurance at one-half per cent. on prime cost plus sea freight.	TOTAL ENGLISH CHARGES.	Rs.					
		Per ton of material.	Per mile of single track.									
								£ s. d.				
5' 6" Gauge.												
Rails, steel, 75 lbs. per yard, with four-holed fish-plates (new Indian State railway standard) —	117-86	3 10 11	417 18 3	76 12 2	2 9 5	496 19 10	9,111	236	9,347			
Fish-plates —	5-34	4 19 4	26 10 5	3 9 5	0 3 0	30 2 10	553	11	564			
Fish bolts with nuts and washers —	1-31	13 2 0	17 3 3	0 17 0	0 1 10	18 2 1	332	3	335			
Sleepers, steel, transverse, with keys and distance pieces —	124-86	5 1 9	635 4 6	81 3 2	3 11 8	719 19 4	13,199	250	13,449			
TOTAL	249-37	...	1,096 16 5	162 1 9	6 5 11	1,265 4 1	23,195	500	23,695			
Rails, steel, 75 lbs. per yard (East Coast railway pattern) —	117-86	3 15 4	443 18 9	76 12 2	2 12 1	523 3 0	9,591	236	9,827			
Fish-plates —	4-59	4 17 6	22 7 6	2 19 8	0 2 6	25 9 8	467	9	476			
Fish-bolts, with nuts and washers —	1-76	13 3 9	23 4 3	1 2 10	0 2 5	24 9 6	449	4	453			
Sleepers, steel, transverse, with keys —	122-61	5 0 0	613 1 0	79 13 11	3 9 3	696 4 2	12,764	245	13,009			
TOTAL	246-82	...	1,102 11 6	160 8 7	6 6 3	1,269 6 4	23,271	494	23,765			
Metre gauge.												
Rails, steel, 50 lbs. per yard (State railway pattern) —	78-57	3 12 5	284 9 9	51 1 5	1 13 7	337 4 9	6,183	157	6,340			
Fish-plates —	4-67	4 18 6	23 0 0	3 0 9	0 2 7	26 3 4	480	9	489			
Fish-bolts, with nuts and washers —	0-65	14 3 2	9 4 1	0 8 5	0 1 0	9 13 6	177	2	179			
Sleepers, steel, transverse, with keys —	68-15	*5 10 0	374 16 6	44 5 11	2 1 11	421 4 4	7,722	136	7,858			
TOTAL	152-04	...	691 10 4	98 16 6	3 19 1	794 5 11	14,562	304	14,866			
Rails, steel, 41½ lbs. per yard (State railway pattern) —	64-82	3 10 6	228 9 10	42 2 8	1 7 1	271 19 7	4,986	130	5,116			
Fish-plates —	1-52	5 10 6	8 8 0	0 19 9	0 1 0	9 8 9	173	3	176			
Fish-bolts, with nuts and washers —	0-65	15 0 0	9 15 0	0 8 5	0 1 0	10 4 5	187	1	188			
Sleepers, steel, transverse, with keys —	62-79	*5 10 0	345 6 11	40 16 3	1 18 7	388 1 9	7,115	156	7,271			
TOTAL	129-78	...	591 19 9	84 7 1	3 7 8	679 14 6	12,461	260	12,721			
											* This is the rate for sleepers imported during 1893. None received in 1894.	

* This is the rate for sleepers imported during 1893. None received in 1894.

Appendix B to the Rate List for Class D Stores for the year 1894.

Statement showing the carriage of one mile of Permanent-way material complete for one hundred miles of distance.

TYPE OF PERMANENT-WAY (ENGLISH MATERIAL).	Weight for one mile of single track.	STATE RAILWAYS AND EAST INDIAN RAILWAY.		Great Indian Peninsula Railway @ 10-08 pias per ton per mile.	Bombay, Baroda and Central India Railway @ 10-89 pias per ton per mile.	Rajputana-Malwa Railway @ 9-53 pias per ton per mile.	REMARKS.
		For first 400 miles	For distances in excess of 400 miles				
		Rs.	Rs.				
New Indian State Railway standard 75 lbs. with 4" foot (5' 6" gauge).	249-37	524-8	349-8	1,296-5	1,400-7	1,225-8	
East Coast Railway Pattern 75 lbs. with 4-2" foot (5' 6" gauge)	246-82	524-5	349-7	1,295-8	1,399-9	1,225-1	
Indian State Railway Pattern 50 lbs. (metre gauge)	152-04	323-1	215-4	798-1	862-3	754-6	
Indian State Railway Pattern 41½ lbs. (metre gauge)	129-78	275-9	183-9	681-6	736-4	644-4	

N.B.—Terminal charges are not included in the mileage rates for carriage, as it is understood that the material is loaded and unloaded by the owners. The rates given here for the G. I. P. Railway are applicable up to 400 miles of distance only.

Consignments of 100 maunds and over are carried at the following special rates over the Bombay, Baroda and Central India Railway and Rajputana-Malwa Railway:—

From 1 to 100 miles	0-35 pias
" 101 to 200 "	0-25 "
" 201 to 400 "	0-15 "
Over	0-10 "

per maund per mile, excluding terminals.