

Public Works (1899) Department.

G.O., No. 1895 W

DATED 22nd July 1899.

[Despatch Abstract.]

Rate List, Class D. — Permanent way
Materials for 1898.

Circular from the Director of Ry.
Construction forwarding copies of —,
Command to officers of the P.W.D.

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

[P. W. 29.
2,000-15-39-9.]

Masses

860

882

G.O.	No.	Department.	Date
	21490	_____	24-8-98
	2548W	_____	15-9-97

G. C. Press, Simla.—2123 P. W. D.—13-6-99.—40.

005-1
5058/88

Enclosure to Director of Railway Construction's Circular No. 8 of 1898.

Table of average Sea-freight for Permanent-way Materials landed during 1898.

Details.	AVERAGE RATE PER TON.								REMARKS.
	Karachi.		Bombay.		Coconada or Vizagapatam.		Calcutta.		
	s.	d.	s.	d.	s.	d.	s.	d.	
Bolts, fish	...	...	12	9	...	...	20	0	Where rates have not been quoted, it should be understood that materials were not imported during the year.
Crossings and switches	...	...	...	...	...	...	17	0	
Plates, bearing	...	...	12	6	...	...	...	...	
Plates, fish	...	...	...	...	...	...	15	0	
Rails	...	...	14	9	...	...	15	9	
Sleepers	...	...	...	...	...	...	16†	...	*Transverse steel sleepers.
Spikes, dog	...	...	11	4	...	...	...	...	†Denham Olpherts.

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

5' 6" GAUGE.

Contracted for in 1898.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
			lbs.	£ s. d.			
81 { 58	4-4-98	Steel, 4½" underhead × 1" diameter, with special nuts for new standard flat-footed rails with 4" foot.	75	15 7 6	Ton	North Western	Weight of one bolt and nut=30·65 oz.
83 { 415	9-6-98	Steel, 4½" underhead × 1" diameter, with special nuts for double headed rails.	75	15 7 6	"	Eastern Bengal	Ditto ditto=31·32 oz.
84 { 123	5-7-98	Steel, 4½" underhead × 1" diameter, with special nuts for new standard flat-footed rails with 4" foot.	75	15 7 6	"	Hurdwar Dehra	
85 { 191	18-8-98	Steel, 4½" underhead × 1" diameter, with special nuts for new standard flat-footed rails with 4" foot.	75	15 7 6	"	Shadipalli-Balotra	Weight 30·65 oz.
87 { 68	10-10-98	Steel, 4½" underhead × 1" diameter, with special nuts for new standard flat-footed rails with 4" foot.	75	15 7 6	"	Ghaziabad-Moradabad	

CLASS OF STORES D.—PERMANENT-WAY MATERIALS—*concl.*

5' 6" GAUGE.

Contracted for in 1898.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FEES ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
$\frac{87}{14}$ { 3-10-98	Bolts, fish— <i>concl.</i>	Steel, $4\frac{1}{2}$ " underhead $\times$ 1" diameter, with special nuts for double headed rails.	73	14 17 6	Ton	Eastern Bengal ...	Weight-30.5 oz.
$\frac{80}{320}$ { 25-3-98	Chairs	Pressed steel, bridge, Langes' patent for new standard flat-footed rails with 4" foot. Keys for above 10" long weight 1 $\frac{1}{4}$ lb. each ...	75	12 0 0	Ton	North Western ...	Weight-17 $\frac{1}{2}$ lbs.
$\frac{81}{57}$ { 2-4-98	Crossings	Steel, built up, with chairs and bolts and nuts, complete, for rails, flat-footed new standard 4" foot— Angle 1 in 8 $\frac{1}{2}$	75	6 10 0	Set	North Western ...	

$\frac{83}{310}$ { 21-6-98	Angle 1 in 12	...	75	7 10 0	"	Oudh and Rohilkhand.	
$\frac{84}{112}$ { 5-7-98	Angle 1 in 12	...	75	7 12 6	"	Hardwar Dehra.	
	" 1 in 8 $\frac{1}{2}$	...	75	6 17 0	"		
	" 1 in 6	...	75	6 15 0	"	Ghaziabad-Moradabad Railway.	
$\frac{87}{212}$ { 21-10-98	" 1 in 12	...	75	7 10 6	"	North Western.	*Quantity required for 9 complete scissors crossings.
	" 1 in 8 $\frac{1}{2}$	...	75	6 15 0	"		
$\frac{88}{202}$ { 18-11-98	Crossings— <i>concl.</i>		75	* 31 0 0	Per set of 4 crossings.		
$\frac{89}{191}$ { and 15-12-98	Steel built up of special Angles A and B with improved nose splice for new standard f. f. rails with 4" foot.						
$\frac{87}{264}$ { 25-10-98	Steel, built up, complete, for new standard double-headed rails.		75	6 19 0	"	Eastern Bengal.	
	Angle 1 in 8 $\frac{1}{2}$	...	78	6 13 6	"		
$\frac{84}{78}$ { 2-7-98	Steel, built up, complete, to suit double-headed rails.					Ditto.	
	Angle 1 in 8 $\frac{1}{2}$	...		6 12 6	"		
	" 1 in 6	...		6 15 0	"		

CLASS OF STORES D.—PERMANENT-WAY MATERIALS—*contd.*

5' 6" GAUGE.

Contracted for in 1898.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
$\frac{80}{368}$ { 28-3-98		Wrought-iron, 7½" × 7" with four square holes for new standard flat-footed rails with 4" foot.	75	£ s. d. 8 7 6	Ton	North Western ...	Weight 7½ lbs.
$\frac{85}{190}$ { 18-8-98	Plates, bearing	Wrought-iron, 7½" × 7" with four square holes for new standard flat-footed rails with 4" foot.	75	9 7 6	"	Shadipalli-Balotra ...	
$\frac{86}{325}$ { 30-9-98		Wrought-iron, 7½" × 6½" with four square holes for new standard flat-footed rails with 4-2" foot.	75	8 10 0	"	East Coast ...	Weight 6-65 lbs.
$\frac{80}{327}$ { 26-3-98	Plates, fish	Steel, four-holed, 1' 9½" long, for new standard flat-footed rails with 4" foot.	75	5 18 0	Ton	North Western ...	Weight of one pair = 32 lbs.

$\frac{80}{328}$ { 26-3-98		Steel, four-holed, 1' 9½" long, for new standard flat-footed rails with 4" foot.	75	5 17 6	"	North Western ...	One pair = 32 lbs.
$\frac{84}{120}$ { 5-7-98		Steel, four-holed, 1' 9½" long, for new standard flat-footed rails with 4" foot.	75	6 2 6	"	Hurdwar-Dehra ...	
$\frac{85}{505}$ { 31-8-98	Plates, fish— <i>concl'd.</i>	Steel, four-holed 1' 9½" long, for new standard flat-footed rails with 4" foot.	75	6 5 6	"	Shadipalli-Balotra ...	One pair = 34½ lbs.
$\frac{87}{210}$ { 21-10-98		Steel, four-holed, 1' 9½" long, for new standard flat-footed rails with 4" foot.	75	6 0 0	"	Ghaziabad-Moradabad	
$\frac{87}{210}$ { 21-10-98		Steel, four-holed, 1' 9½" long, for new standard flat-footed rails with 4" foot.	75	6 0 0	"	Oudh and Rohilkhand	One pair = 34½ lbs.
$\frac{84}{115}$ { 5-7-98		Steel, four-holed, 17" long, holes uniformly 4½" apart centre to centre, fishing angle 1 in 4 for new standard double-headed rails.	75	6 3 6	"	Eastern Bengal ...	
$\frac{80}{329}$ { 26-3-98		Steel, new standard, flat-footed, with 4" foot, with 2 bolt holes at each end, in assorted lengths of 30, 27 and 24 feet.	75	4 8 6	Ton	North Western.	
$\frac{80}{330}$ { 26-3-98		Steel, new standard, flat-footed, with 4" foot, with 2 bolt holes at each end, in assorted lengths of 30, 27 and 24 feet.	75	4 7 6	"		
$\frac{84}{116}$ { 5-7-98	Rails	Steel, new standard, double headed with 2 bolt holes at each end, in 40 feet lengths, with usual percentage of short lengths.	75	4 7 0	"	Eastern Bengal.	
$\frac{84}{119}$ { 5-7-98		Steel, new standard, flat-footed with 4" foot, with 2 bolt holes at each end, in assorted lengths of 30, 27 and 24 feet.	75	4 12 6	"	Hurdwar-Dehra.	

5' 6" GAUGE.

6

78 350	27-1-98	Fastenings for Cast-iron Denham Olphert's plate sleepers for double-headed rails—							
		Sleepers— <i>conold</i> ...	Wrought-iron cotters 10" × 2" × 1½"	...	13 15 0	Ton	North Western.		
			" " keys 1½" × 2"	...					
			" " cotters	...	14 5 0	"			
			" " keys ...	...					
			" " tiebars	...	6 10 0	"			
87 161	17-10-98								
80 326	26-3-98		Wrought-iron, 5" long underhead, and ⅝" square, for new standard flat-footed rails with 4" foot.	75	11 12 6	Ton.	North Western		
84 122	5-7-98		Wrought-iron, 5" long underhead, and ⅝" square, for new standard flat-footed rails with 4" foot.	75	11 12 6	"	Hurdwar Dehra		To weigh ⅔ lbs. each.
85 324	26-8-98		Wrought-iron, 5" long underhead, and ⅝" square, for new standard flat-footed rails with 4" foot.	75	11 12 6	"	Shadipalli-Balotra		
87 74	10-10-98		Wrought-iron, 5" long underhead, and ⅝" square, for new standard flat-footed rails with 4" foot.	75	11 7 6	"	Ghaziabad-Morad- abad.		

To weigh $\frac{7}{10}$ lbs. each.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS—*contd.*

5' 6" GAUGE.

Contracted for in 1898.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
83 310 21-6-98	Switches or points	<i>Complete with lever boxes to suit new standard flat-footed rails, with 4" foot.</i>	lls.	£ s. d.	Set	Oudh and Rohilkhand.	
84 112 5-7-98		Single throw, with over throw lever, length of tongue 15 feet.	75	10 4 0	"	Hurdwar Dehra.	
87 212 21-10-98		" 15 feet tongue rails	75	10 6 6	"	Ghaziabad-Moradabad.	
87 261 25-10-98		" 12 "	75	9 6 0	"		
84 78 2-7-98		" 15 "	75	10 5 0	"		
		" 12 "	75	9 5 0	"		
		<i>Complete with lever boxes to suit new standard double-headed rails.</i>					
		With 15 feet tongue rails	75	10 6 6	"		
		<i>Complete with lever boxes to suit double-headed rails, old section.</i>					
		With 15 feet tongue rails	73	9 18 6	"	Eastern Bengal.	
		" 12 "	73	8 18 6	"		
		" 15 "	73	9 17 6	"	Eastern Bengal.	
		" 12 "	73	8 17 0	"		

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

Contracted for in 1898.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
79 165 12-2-98	Bolts, fish	Steel, 3 $\frac{3}{8}$ " $\times$ $\frac{3}{4}$ " with nuts, and washers, for new standard flat-footed steel rails.	lbs. 50	£ s. d. 15 12 6	Ton	Shadipalli-Balotra ...	One bolt nut and washer = 15 oz.
82 130 17-5-98		Steel, 3 $\frac{3}{8}$ " $\times$ $\frac{3}{4}$ " with nuts, and washers, for steel rails.	50	15 12 6	"	Eastern Bengal ...	One bolt nut and washer = 15 oz.
83 72 6-6-98		Steel, 3 $\frac{3}{8}$ " $\times$ $\frac{3}{4}$ " with nuts, and washers, for steel rails.	50	15 7 6	"	Mymensingh-Jamalpur extension.	One bolt nut and washer = 15 $\frac{3}{4}$ oz.
85 92 10-8-98		Steel, 3 $\frac{3}{8}$ " $\times$ $\frac{3}{4}$ " for fish-plates with nuts, and washers, for new standard steel rails.	50	15 7 6	"	Shadipalli-Balotra ...	One bolt nut and washer = 15 oz.
84 229 14-7-98		Steel, 3 $\frac{3}{8}$ " $\times$ $\frac{3}{4}$ " with nuts, and washers, for new standard flat-footed rails.	41 $\frac{1}{2}$	15 7 6	"	Oodeypore Chittorgarh	One bolt nut and washer = 15 oz.
87 21 3-10-98		Steel, 3 $\frac{3}{8}$ " $\times$ $\frac{3}{4}$ " with nuts, and washers, for new standard flat-footed rails.	41 $\frac{1}{2}$	15 7 6	"	Shadipalli-Balotra ...	

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

METRE AND NARROW GAUGES.

Contracted for in 1898.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
$\frac{87}{53}$ { 6-10-98	Bolts, fish	Steel $\frac{3}{4}$ ", with hexagonal nuts and washers ...	lbs. 30	£ s. d. 18 0 0	Ton	Jorhat.	
$\frac{83}{160}$ { 15-6-98		Steel, with nuts, to suit steel rails 18 feet long	20	35 0 0	"	Warora Colliery ...	One bolt and nut = 3.672 oz.
$\frac{86}{40}$ { 3-9-98		Steel, snap-headed, square necked, with nuts and square washers.	11	18 0 0	"	Jorhat.	
$\frac{79}{118}$ { 10-2-98	Crossings	Steel, built up, complete, for flat-footed steel rails—					
$\frac{82}{131}$ { 17-5-98		Angle, 1 in 12	... } 50	5 19 6	Set	Shadipalli-Balotra.	
		" 1 in 8 $\frac{1}{2}$	... }	5 7 6	"		
		" 1 in 12	... }	6 0 0	"		
$\frac{83}{71}$ { 6-6-98		" 1 in 8 $\frac{1}{2}$	... } 50	5 7 6	"	Eastern Bengal.	
		" 1 in 12	... }	6 7 6	"		
$\frac{88}{28}$ { 3-11-98		" 1 in 8 $\frac{1}{2}$	... } 50	5 12 0	"	Mymensingh-Jamalpur.	
	" 1 in 7	... } 30	3 19 0	Ton	Jorhat ...		2' 6" gauge.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE--FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
$\frac{84}{234}$ { 14-7-98	Plates, bearing ...	Wrought-iron rectangular for flat-footed rails 6" and 4"	41 $\frac{1}{2}$	10 10 0	Ton	Oodeypore Chitorgarh	Weight of one bearing plate = 2.33 lbs.
$\frac{79}{67}$ { 7-2-98		Steel, 18" long for new standard flat-footed rails.	50	6 7 6	Ton	Shadipalli-Balotra ...	One pair = 28 lbs.
$\frac{82}{172}$ { 18-5-98	Plates, fish	Steel, 18" long for new standard flat-footed rails.	50	6 8 6	"	Eastern Bengal ...	One pair = 28 lbs.
$\frac{83}{79}$ { 7-6-98		Steel, flexible, for new standard flat-footed rails.	50	6 5 0	"	Mymensingh-Jamalpur extension.	One pair = 17 $\frac{1}{2}$ lbs.
$\frac{84}{521}$ { 30-7-98		Steel, 18" long for new standard flat-footed rails.	50	6 12 6	"	Shadipalli-Balotra.	One pair = 28 lbs.
$\frac{85}{319}$ { 24-8-98		Steel, 14.17" long, for new standard flat-footed rails.	41 $\frac{1}{2}$	7 7 6	"	Oodeypore-Chitorgarh	One pair = 9 lbs. 2 oz.
$\frac{86}{144}$ { 13-9-98		Steel, 14.17" long, for new standard flat-footed rails.	41 $\frac{1}{2}$	7 10 0	"	Jodhpore-Bickaneer.	
$\frac{87}{149}$ { 15-10-98		Steel, 14.17" long for new standard flat-footed rails.	41 $\frac{1}{2}$	7 10 0	"	Shadipalli-Balotra ...	
$\frac{86}{290}$ { 26-2-90		Steel, for flat-footed rails	...	8 5 0	"	Jorhat ...	2' 6" gauge.
$\frac{83}{160}$ { 15-6-98		Steel, to suit steel rails, 18 feet long	...	40 0 0	"	Warora Colliery ...	One pair fish-plates = 3.9375 lbs.

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

METRE AND NARROW GAUGES.

Contracted for in 1898.

Contract number and date.	Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD.		For what railways.	REMARKS.
				Amount.	Unit.		
$\frac{79}{68}$	7-2-98	Steel, new standard, flat-footed, 30 feet with assorted lengths.	lbs. 50	£ s. d. 4 7 6	Ton	Shadipalli-Balotra.	
$\frac{82}{171}$	18-5-98	Steel, new standard, flat-footed, in assorted lengths of 40, 37 and 34 feet each.	50	4 12 6	"	Eastern Bengal.	
$\frac{83}{80}$	7-6-98	Steel, new standard, flat-footed, in assorted lengths of 40, 37 and 35 feet each.	50	4 15 0	"	Mymensingh-Jamalpur extension.	
$\frac{84}{520}$	30-7-98	Steel, new standard, flat-footed, in lengths of 30, 27 and 24 feet.	50	4 12 6	"	Shadipalli-Balotra.	
$\frac{84}{118}$	5-7-98	Steel, new standard, flat-footed, in lengths of 30 feet, with short lengths.	41½	4 15 6	"	Oodeypore-Chitorgarh.	
$\frac{86}{39}$	3-9-98	Steel, new standard, flat-footed, in assorted lengths of 24, 21 and 18 feet each.	41½	4 17 6	"	Jodhpore-Bickaneer.	

$\frac{86}{289}$	26-9-98	Rails—contd.	...	Steel, new standard, flat-footed, in lengths of 24 feet each.	30	5 5 0	"	Jorhat.	
$\frac{79}{354}$	28-2-98	Sleepers	...	Steel, to weigh not less than 75 lbs. each	50	5 5 0	"	Shadipalli-Balotra.	
				Steel, keys 8" long for sleepers weighing 785 lbs. each.	50	5 5 0	"		
$\frac{83}{149}$	15-6-98			Wrought-iron, 4½" under-head for flat-footed rails.	50	11 17 6	Ton	Mymensingh-Jamalpur extension.	100 spikes = 53 lbs.
$\frac{87}{73}$	10-10-98			Wrought-iron, 4½" x ½" for new standard rails flat-footed.	50	11 12 6	"	Shadipalli-Balotra	100 spikes = 53 lbs.
$\frac{83}{159}$	15-6-98	Spikes, dog	...	Wrought-iron, 3½" long and ¾" square	18	18 10 0	"	Jorhat	One spike = 21.9 oz.
$\frac{86}{40}$	3-9-98			Wrought-iron, 3½" long x 1" square	11	13 10 0	"	Jorhat.	

Contracted for in 1898.

[For General Distribution.]

Circular No. 8.

FROM

THE DIRECTOR OF RAILWAY CONSTRUCTION,

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, INDUS BRIDGE WORKS, AND BRITISH SECTION, SHADIPALLI-BALOTRA RAILWAY.
THE ENGINEER-IN-CHIEF, GODAVARI BRIDGE WORKS.
THE ENGINEER-IN-CHIEF, HARDWAR-DEHRA RAILWAY.
THE ENGINEER-IN-CHIEF, GHAZIABAD-MORADABAD RAILWAY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Simla, the 5th June 1899.

Rate List Class D.—Permanent-way materials for 1898.

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 1898.

2. The statement has been divided into two parts, the first part (pages 1 to 8) affords information regarding materials for 5' 6" gauge railways, and the second part (pages 9 to 14) furnishes similar information for metre and narrow gauge railways.

3. A table shewing average sea-freight per ton for permanent-way materials landed in India during 1898 at the various ports is prefixed for information.

4. 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,

C. W. HODSON,
Director.

Documents accompanying.

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

2. Rate List, Class D, permanent-way materials for 1898.

* For State Railway Stores and Irrigation Works only classed at 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, the Punjab, and Burma, Public Works Department.
 The Secretaries to the Chief Commissioners of the Central Provinces, and Assam, Public Works Department.
 The Secretaries to the Resident 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, Bombay and Burma.
 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.

G. Chubbuck

Lt. Col.

for Director.

16/6

To

THE

*Secretary to the Govt. of Madras
Public Works Department.*

(Spare copies will follow)