(1) பக்கங்களின் எண்ணிக்கை 34

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தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண்.	அச்சகம்
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மீடிக்கவோ சுண்டபடி கையாளவோ கூடாது.

ஆவண. கா. 1—18,006—6-9-90.

[*General Distribution.*]

1
3019.

Circular No. 10.

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, BURMA STATE RAILWAY.
THE ENGINEER-IN-CHIEF, MU VALLEY RAILWAY.
THE ENGINEER-IN-CHIEF, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, KISTNA BRIDGE.
THE ENGINEER-IN-CHIEF, ASSAM-BENGAL RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN RAILWAY.
THE ENGINEER-IN-CHIEF, GOONA-BINA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, UJJAIN-BHOPAL RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, BENGAL DOOARS RAILWAY.
THE ENGINEER-IN-CHIEF, FRONTIER RAILWAY SURVEYS.
THE ENGINEER-IN-CHIEF, KASHMIR RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, SIMLA-KALKA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, CUTTACK-HOWRAH, RAILWAY SURVEY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class D.—Permanent-way Materials, for 1891.

Simla, 27th September 1892.

SIR,

I have the honour to forward herewith, for information and guidance, a printed statement showing rates, free on board in England of D Class, State Railway Stores, Permanent-way materials contracted for by the India Office in 1891.

2. The statement has been divided into two parts, the first part (pages 1 to 9) affords information regarding materials for 5′ 6″ gauge railways, and the second part (pages 10 to 15) furnishes similar information for metre and other narrow-gauge railways.

3. A table showing average sea freight per ton of permanent-way materials landed in India during 1891 at the various ports, is prefixed for information.

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

I have the honour to be,

SIR,

Your most obedient Servant,

R. A. SARGEAUNT, Lieut.-Colonel, R.E.,
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 1891.
3. Statements showing number and weight, cost, and carriage, of different descriptions of Permanent-way Materials to be indented for, for one mile of track (single line).

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, Public Works Department.
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 Central Division.

Copy forwarded to the Local Governments, Administrations, and Officers noted in the margin, for information.

Lieut.-Col., R.E.,
Director General of Railways.

To The Secretary to the Government of Madras
Public Works Department
with 59 spare Copies

Enclosure to Director General of Railways' Circular No. 10 of 1892.

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RATE LIST.

D.—PERMANENT WAY MATERIALS.

FOR 1891.

G. C. Press, Simla.—No. 429 P. W. D.—12-10-92.—900.

Enclosure to Director General of Railways' Circular No. 10 of 1892.

Table of average sea freight for Permanent-way materials landed during 1891.

Details.	Average rate per ton.												Remarks.
	Calcutta *vid* Canal.		Bombay *vid* Canal.		Karachi *vid* Canal.		Rangoon *vid* Canal.		Coconada *vid* Canal.		Vizagapatam *vid* Canal.		
	s.	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	*s.*	*d.*	
Bolts, fang	9	4	...		...		...		...		...		Where rates have not been quoted, it should be understood that material was not imported during the year.
Bolts, fish	12	2	...		11	10½	13	8	11	0	...		
Crossings	18	9	...		15	5	16	3	18	8	...		
Plates, bearing	...		...		10	8	...		16	6	30	0	
Plates, fish	11	1	...		11	3	18	9	15	4½	...		
Rails	11	9	11	0	8	5½	14	3	13	3	16	6	
Sleepers	16	6	...		12	0	...		16	6	12	0	
Spikes, dog	8	8	...		11	0	7	6	13	3	16	6	
Switches or points	18	6	...		15	5	17	6	16	0	12	0	

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Enclosure to Director General of Railways' Circular No. 10 of 1892.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5′ 6″ GAUGE.

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	Rate—Free on board. Amount.	Unit.	Railway.	Remarks.
					£ s. d.			
4420	7-2-91	Bolts, fang.	Wrought iron 7¾″ long and fangs weighing 29·6 ozs. each for rails, steel, double-headed.	73	13 10 0	Ton	Eastern Bengal.	
4247	16-1-91		Steel, with nuts, for I. S. R. flat-footed rails ...	62	14 7 6	Ton	North Western.	
4697	11-5-91		„ „ ...	62	14 0 0	„	„ „ ...	Weighing 14·33 ozs. each.
1/475	22-8-91		Steel ¾″ diar., with nuts, for I. S. R. flat-footed rails	62	13 10 0	„	Hyderabad-Umarkot.	
3/73	6-10-91	Bols, fish.	Steel, 1″ diar., with nuts and washers for I. S. R. flat-footed rails.	62	12 10 0	„	North Western.	
4946	22-7-91		Steel, with nuts, for double-headed rails ...	69½	14 0 0	„	Warora Colliery ...	Weighing 29·09 ozs. each.
4386	4-2-91		„ „ steel rails ...	73	13 10 0	„	Eastern Bengal.	
4966	29-7-91		„ „ ...	73	13 0 0	„	Eastern Bengal.	

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5′ 6″ GAUGE—*contd.*

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	Rate—Free on board. Amount.	Unit.	Railway.	Remarks.
					£ s. d.			
4247	16-1-91	Bolts, fish—*concld.*	Steel, with nuts, for old standard flat-footed rails...	75	14 7 6	Ton	North Western.	
4272	21-1-91		,, ,, ,, ,, steel vignoles rails	75	14 7 6	,,	Oudh and Rohilkhand.	
4697	11-5-91		,, ,, ,, ,, flat-footed rails...	75	14 0 0	,,	North Western.	
4968	29-7-91		,, ,, ,, ,, ,, ...	75	13 0 0	,,	Frontier Reserve ...	For bolts without nuts in stock.
			Nuts for—for old standard flat-footed rails ...	75	17 0 0	,,		
5/219	17-12-91		Steel, with nuts, for old standard flat-footed rails...	75	12 10 0	,,	Peshawar Railway Reserve.	
4309	24-1-91		,, ,, and washer, for new standard steel flat-footed rails.	75	14 4 6	,,	North Western.	
4310	24-1-91		Steel, with nuts, and washer, for new standard steel flat-footed rails.	75	14 0 0	,,	East Coast	Estimated weight 2 lbs. 0·3 ozs.
2/224	18-9-91		Steel, with nuts, and washer, for new standard steel flat-footed rails.	75	12 12 6	,,	East Coast.	
4706	16-5-91		Steel, with nuts and washers, for bull-headed steel rails.	77½	12 10 0	,,	North Western.	
4769	10-6-91	Crossings	Steel, built up, for I. S. R. steel flat-footed rails—	62			North Western.	
			Angle 1 in 5	...	9 14 0	Set.		
			,, 1 ,, 8½	...	9 11 6	,,		
1/477	31-8-91		Steel, built up, for I. S. R. steel flat-footed rails—	62			Hyderabad Umarkot.	
			Angle 1 in 12	...	9 8 6	Set.		
			,, 1 ,, 8½	...	8 3 6	,,		
			,, 1 ,, 6	...				
4270	21-1-91		Steel, built up, for double-headed rails, Punjab Section—	68			North Western.	
			Angle 1 in 8½	...	7 5 0	,,		
4263	20-1-91		Steel, built up, for steel double-headed rails—	73			Eastern Bengal State.	
			Angle 1 in 8½	...	7 0 0	Set.		
4270	21-1-91		Steel, built up, for I. S. R. flat-footed rails (old standard)—	75			North Western.	
			Angle 1 in 12	...	8 11 0	Set.		
			,, 1 ,, 6	...	7 15 0	,,		
4769	10-6-91		Steel, built up, for I. S. R. flat-footed rails (old standard)—	75			North Western.	
			Angle 1 in 6	...	7 12 6	Set.		

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5′ 6″ Gauge—contd.

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	Rate—Free on board. Amount.	Unit.	Railway.	Remarks.
4769	10-6-91	Crossings —*concld.*	Steel, built up, for I. S. R. flat-footed rails (old standard)—*contd.*	75	£ s. d.		North Western.	
			Angle 1 in 7	...	7 12 0	Set.		
			„ 1 „ 8½	...	7 11 0	„		
			„ 1 „ 10	...	8 12 0	„		
			„ 1 „ 12	...	8 11 0	„		
5/220	17-12-91		Steel, built up, for I. S. R. flat-footed rails (old standard)—	75			Peshawar Valley Reserve.	
			Angle 1 in 12	...	8 15 0	Set.		
			„ 1 „ 8½	...	8 0 0	„		
			„ 1 „ 6					
4203	1-1-91		Steel, built up, for flat-footed steel rails (new standard)—	75			East Coast.	
			Angle 1 in 8½	...	7 12 0	Set.		
2/125	11-9-91		Steel, built up, for flat-footed steel rails (new standard).	75			East Coast.	
			Angle 1 in 12	...	9 8 0	„		
			„ 1 „ 6	...	8 11 0	„		
4269	21-1-91	Plates, bearing.	For new standard rails, steel, flat-footed— (No. 75,000 = 234 tons). ...	75	9 0 0	Ton	North Western ...	Estimated weight 5·03 lbs.
2/58	3-9-91		For new standard rails, steel, flat-footed ...	75	8 5 0	„	East Coast.	
4946	22-7-91	Plates, fish.	Steel, for steel rails, flat-footed	20	30 0 0	Ton	Warora Colliery ...	For Colliery work.
2/197	16-9-91		Steel, for flat-footed steel rails, 1′ 6″ long, with 4 holes.	62	6 5 6	„	Hyderabad-Umarkot ...	Weight 18 lbs. per pair.
3*/103	6-10-91		Steel, for flat-footed steel rails (4 oval holes) ...	62	6 1 0	„	North Western ...	Estimated weight of one pair 28 lbs.
4946	22-7-91		Steel, for double-headed rails	67	10 0 0	„	Warora Colliery ...	For Colliery work 12½ lbs. each.
4311	24-1-91		Steel, new pattern, with six holes, for double-headed steel rails, 2′ 2″ long, with 6 holes.	73	6 6 3	„	Eastern Bengal ...	Estimated weight 46 lbs. per pair.
4949	23-7-91		Steel, new pattern, with six holes, for double-headed steel rails, 2′ 2″ long, with 6 holes.	73	6 5 3	„	Eastern Bengal ...	Estimated weight 46 lbs. per pair.
4234	15-1-91		Steel, for old standard steel rails, flat-footed, with 3 holes at each end, 2′ 2″ long, 6 holes 38·5 lbs. per pair.	75	6 4 6	„	Oudh and Rohilkhand.	
4585	9-4-91		Steel, for old standard steel rails, flat-footed, with 3 holes at each end, 2′ 2″ long, with 6 holes.	75	6 7 6	„	North Western ...	38·5 lbs. per pair.
4944	22-7-91		Steel, for old standard steel rails, flat-footed, with 3 holes at each end, 2′ 2″ long, with 6 holes.	75	6 6 3	„	Frontier Reserve ...	38·5 lbs. per pair.

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5′ 6″ GAUGE—*contd.*

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	Rate Free on Board. Amount.	Unit.	Railway.	Remarks.
					£ s. d.			
5/193	15-12-91	Plates, fish—*concld.*	Steel, for old standard steel rails, flat-footed, with 3 holes at each end.	75	6 5 0	Ton	Peshawar Railway Reserve	38·5 lbs. per pair.
4445	14-2-91		Steel, for new standard steel rails, flat-footed ...	75	7 16 3	„	East Coast ...	Estimated weight 27 lbs. per pair.
4446	14-2-91		Steel, for new standard steel rails, flat-footed ...	75	7 18 6	„	„ „	London by sea.
4447	14-2-91		Steel, for new standard steel rails, flat-footed ...	75	8 2 7	„	„ „	
2/214	17-9-91		Steel, for new standard steel rails, flat-footed, 1′ 7¼″ long, 5 holes.	75	5 6 6	„	„ „	Estimated weight 27½ lbs. per pair.
4705	16-5-91		Steel, for bull-headed steel rails, 1′ 5½″ long, 4 holes, 1″ diameter.	77½	6 9 6	„	North Western ...	Estimated weight of one pair 32·5 lbs.
4950	23-7-91	Rails ...	Bessemer steel, double-headed, 30 feet long ...	73	4 11 3	Ton	Eastern Bengal.	
4256	20-1-91		Bessemer steel old standard, flat-footed, 30 feet long.	75	5 3 0	„	Oudh and Rohilkhand.	
4667	29-4-91		Bessemer steel old standard, flat-footed, 30 feet long.	75	5 0 0	„	North Western.	
2/5	2-9-91	Rails—*concld.*	Steel, flat-footed, new standard	75	4 9 0	Ton	East Coast ...	East Coast Railway foot 4·2″.
4713	22-5-91		Steel, bull-headed	77½	5 2 5	„	North Western.	
4463	21-2-91	Sleepers	Denham Olphert's cast-iron plate, complete for—	...	...	...	Eastern Bengal.	
			Double-headed steel rails consisting of —					
			20,000 cast-iron plates = 843-15-0 ...	73	4 5 0	Ton.		
			20,000 „ jaws = 129-9-1-4 ...					
4979	31-7-91		Steel transverse, for new standard flat-footed steel rails.	75	5 10 0	„	East Coast.	
1/395	25-8-91		Steel transverse, for new standard flat-footed steel rails.	75	5 8 4	„	North Western.	
2/90	9-9-91		Steel transverse, for new standard flat-footed steel rails.	75	5 4 0	„	East Coast.	
1/474	29-8-91	Spikes, dog.	Iron, for flat-footed steel rails	62	12 0 0	Ton	Hyderabad-Umarkot.	
4046	22-7-91		For double-headed rails, 3″ long	...	20 0 0	„	Warora Colliery.	
4211	8-1-91		For old standard flat-footed steel rails ...	75	12 5 0	„	North Western.	
4698	11-5-91		„ „ „ „ ...	75	12 0 0	„	„ „	

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

5′ 6″ GAUGE—*concld.*

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	Rate—Free on board. Amount.	Unit.	Railway.	Remarks.
				Tons.	£ s. d.			
4769	10-6-91		Made of new perfect rails, and lever boxes complete, single throw, to suit crossings for I. S. R. flat-footed rails with 12 feet tongue rails.	62	12 7 6	Set.	North Western.	
			Made of new perfect rails and lever boxes complete, single throw, to suit crossings for I. S. R. flat-footed rails with 15 feet tongue rails.	62	14 17 0	„		
1/477	31-8-91		For crossings built up, steel for I. S. R. steel flat-footed rails.	...	...	...	Hyderabad-Umarkot.	
			With 15 feet tongue rail	62	9 18 6	Set.		
			„ 12 „ „ „	62	8 19 6	„		
4270	21-1-91	Switches or points.	Complete, single throw to suit crossings for I. S. R. flat-footed rails, with 12 feet tongue.	75	10 4 6	„	North Western.	
			Complete, single throw to suit crossings for I. S. R. flat-footed rails, with 15 feet tongue.	75	11 6 6	„		Each set consists of— 2 stock rails 24 feet long, 2 tongue rails 15 feet long, 2 tongue rails 12′ 3″ long, with throw over lever slide chairs and stretcher bars.
4769	10-6-91		Switches and lever boxes complete, single throw, for I. S. R. flat-footed rails, with 12 feet tongue.	75	10 4 6	„	North Western.	
			Switches and lever boxes complete, single throw for I. S. R. flat-footed rails, with 15 feet tongue.	75	11 7 0	„	„ „	
3/296	23-10-91		Complete, three throw, with all fittings for flat-footed steel rail with 15 feet tongue.	75	18 0 0	„		
5/220	17-12-91		Complete, and lever boxes to suit crossings for old standard flat-footed rails :—	...	.....	...	Peshawar Valley Reserve.	
			Length of tongue 15 feet	75	11 6 0	Set.		
			„ „ „ 12 „	75	10 5 0	„		
2/125	11-9-91		Complete, with lever boxes for new standard rails, length of tongue 15′.	75	11 18 6	Set	East Coast.	
4203	1-1-91		Complete with 15 feet tongue and lever boxes to suit crossings for new standard flat-footed steel rails.	75	11 8 6	„	„ „	
			Spare parts of—					
1/477	31-8-91	Switches or points —*concld.*	Lever, boxes complete for crossings for steel rails.	62	2 5 6	„	Hyderabad-Umarkot.	
3/296	23-10-91		Chairs slide with steel stud bolts and cotters and stretcher bars with turned pins complete, with cast-iron plugs and split pins.	75	4 1 6	„	North Western.	
4769	10-6-91		For old standard, I. S. R. flat-footed rails ...	...	...	...	„ „	
			Wrought iron lever throw over with cast-iron weight and set screw.	75	0 13 1	Each.		
			Rails tongue, right and left, 12 feet ...	75	2 7 6	Pair.		
			„ „ „ „ 15 „ ...	75	2 17 3	„		

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE GAUGE.

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	RATE—FREE ON BOARD. Amount.	Unit.	Railway.	REMARKS.
					£ s. d.			
4424	7-2-91	Bolts, fish.	Steel, with nuts and washers for steel rails $3\frac{1}{2}'' \times \frac{3}{4}''$.	$41\frac{1}{4}$	13 15 0	Ton	Burma	Estimated weight 15 oz.
			Steel, with nuts and washers for steel rails ...	50				
4620	17-4-91		„ „ „ „ „ „ $3\frac{1}{2}''$ long and $\frac{3}{8}$ diameter.	$41\frac{1}{4}$	18 10 0	„	„ ...	For deep web fishplate.
4907	6-7-91		Steel, with nuts and washers for steel rails ...	$41\frac{1}{4}$	13 10 0	„	Mu Valley.	
$\frac{3}{65}$	6-10-91		„ „ „ „ „ „ ...	$41\frac{1}{4}$	13 10 0	„	Eastern Bengal.	
			„ „ „ „ „ „ ...	50				
$\frac{5}{207}$	16-12-91		„ „ „ „ „ ...	$41\frac{1}{4}$	13 15 0	„	Burma.	
			„ „ „ „ „ ...	50				
			Steel, built up, complete, for flat-footed rails—					
4262	20-1-91	Crossings	Angle 1 in $9\frac{1}{4}$	$41\frac{1}{2}$	5 17 0	Set	Eastern Bengal.	
			„ „ $6\frac{3}{4}$	$41\frac{1}{2}$	5 19 6	„		
4470	25-2-91	Crossings	Angle 1 in 10	$41\frac{1}{4}$	5 17 6	Set.	Burma.	
			„ „ 7	$41\frac{1}{4}$				
4887	3-7-91		„ „ $9\frac{1}{2}$	$41\frac{1}{4}$	5 13 0	„	Mu Valley.	
			„ „ $6\frac{3}{4}$	$41\frac{1}{4}$				
$\frac{2}{91}$	9-9-91		„ „ $9\frac{1}{2}$	$41\frac{1}{4}$	4 6 6	„	Eastern Bengal.	
$\frac{3}{237}$	17-10-91		„ „ $9\frac{1}{2}$	$41\frac{1}{4}$	5 10 0	„	Eastern Bengal.	
			„ „ $6\frac{3}{4}$	$41\frac{1}{4}$				
4262	21-1-91		Angle 1 in $9\frac{1}{2}$	50	6 7 6	„	Eastern Bengal.	
4470	25-2-91		„ „ $10\frac{1}{2}$	50	6 15 0	„	Burma.	
			„ „ $7\frac{1}{2}$	50				
		Crossings.	Spare parts of—					
4470	25-2-91		For steel rails, angles 1 in 10 and 1 in 7 as below :—	$41\frac{1}{4}$	...	Each	Burma.	
			Check blocks	$41\frac{1}{4}$	0 0 7	„		
			„ chairs	$41\frac{1}{4}$	0 3 2	„		
			„ rails, 7′ 6″ long	$41\frac{1}{4}$	0 7 6	„		
			Crossing chairs, A.	$41\frac{1}{4}$	0 3 9	„		
			„ „ B.	$41\frac{1}{4}$	0 4 2	„		
			„ „ C.	$41\frac{1}{4}$	0 3 7	„		
			„ „ D.	$41\frac{1}{4}$	0 3 7	„		

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CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE GAUGE—*contd.*

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rail.	Rate—Free on board. Amount.	Unit.	Railway.	Remarks.
4470	25-2-91	Crossing, spare parts of —*concld.*	Steel, built up, complete, for flat-footed rails—*contd.*		£ s. d.			
			Fish plates	41¼	0 0 10	Each.		
			Intermediate chairs	41¼	0 2 5	,,		
			Splice, 7′ 4″ long	41¼	0 9 9	,,		
			Split keys	41¼	0 0 2	,,		
			Points, 8′ 3″ long	41¼	0 10 0	,,		
			Wing rails, 8′ 6″ long	41¼	0 9 3	,,		
4908	6-7-91	Plates, fish.	Steel, for flat-footed steel rails	41¼	6 6 0	Ton	Mu Valley.	
3/14	2-10-91		,, ,, ,, ,, ,, ...	41¼	6 10 0	,,	Eastern Bengal.	
4425	7-2-91		,, ,, ,, ,, ,, 1′ 6″ long ...	50	6 7 6	,,	Burma	Deep web pattern. Estimated weight of one pair is 28 lbs.
3/64	6-10-91		,, ,, ,, ,, ,, ,, ,, ...	50	6 8 6	,,	Eastern Bengal.	
4/52	5-11-91	Rails.	Bessemer steel, flat-footed, 18 feet long, with holes bored in flanges on each side 7/16″ diameter, and holes 2 feet apart.	18	7 7 6	Ton	(Umaria Colliery) ...	For Colliery working.
4387	4-2-91		Bessemer steel, flat-footed, 18 feet long ...	20	7 0 0	,,	(Warora Colliery) ...	,, ,, ,,
4945	22-7-91		,, ,, ,, ,, ,, ,, ...	20	6 10 0	,,	,, ,, ...	,, ,, ,,
4899	4-7-91		,, ,, ,, ,, assorted length	41¼	4 11 0	,,	Mu Valley.	
4422	7-2-91		,, ,, ,, ,, 30 feet long ...	50	5 3 9	,,	Burma	Shorter lengths not supplied.
3/253	20-10-91		,, ,, ,, ,, 30 feet long ...	50	4 7 0	Ton	Eastern Bengal.	
5/203	16-12-91		,, ,, ,, ,, ,, ,, ...	50	4 11 6	,,	Bengal-Assam.	
1/329	21-8-91	Spikes, dog.	For steel flat footed rails 3½″ long	18	19 10 0	Ton	Jorhat.	
4227	14-1-91		,, ,, ,, 4½″ ,, ...	41¼	12 10 0	,,	Eastern Bengal.	
4221	7-2-91		,, ,, ,, ,, ,, ...	41¼	12 10 0	,,	Burma.	
			,, ,, ,, ,, ,, ...	50				
3/63	6-10-91		,, ,, ,, ,, ,, ...	41¼ & 50	11 15 0	,,	Eastern Bengal.	
			,, ,, ,, ,, ,, ...					
4910	7-7-91		,, ,, ,, ,, ,, ...	41¼	12 5 0	,,	Mu Valley.	
2/2	1-9-91		,, ,, ,, ,, ,, ...	41¼ & 50	12 0 0	,,	Eastern Bengal.	
			,, ,, ,, ,, ,, ...					

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10/3019

CLASS OF STORES D.—PERMANENT-WAY MATERIALS.

METRE GAUGE—*concld.*

Contracted for in 1891.

Contract number and date.		Articles.	Details.	Weight per yard of rails.	Rate—Free on board. Amount.	Unit.	Railway.	Remarks.
					£ s. d.			
4262	20-1-91		Complete, to suit built up steel crossings for rails, steel flat-footed, 9 feet tongue.	41¼	8 2 0	Set	Eastern Bengal.	
4470	25-2-91		Complete, to suit built up steel crossings for rails, steel flat-footed, 12 feet tongue.	41¼	8 8 0	„	Burma.	
			Complete, to suit built up steel crossings for rails, steel flat-footed, 9 feet tongue.	41¼	7 15 0	„		
4887	3-7-91		Complete, to suit built up steel crossings for rails, steel flat-footed, single throw.	41¼	8 0 0	„	Mu Valley.	
2/91	9-9-91	Switches of points.	Complete, to suit built up steel crossings for rails, steel flat-footed, 12 feet tongue.	41¼	8 8 0	„	Eastern Bengal.	
8/237	17-10-91		Complete, to suit built up steel crossings for rails, steel flat-footed, 12 feet tongue.	41¼	7 18 0	„	Eastern Bengal.	
4262	20-1-91		Complete, to suit built up steel crossings for rails, steel flat-footed, 12 feet tongue.	50	9 0 0	„	Eastern Bengal.	
4470	25-2-91		Complete, to suit built up steel crossings for rails, steel flat-footed, 12 feet tongue.	50	9 11 0	„	Burma.	
	25-2-91		Spare parts of— Chains, slide, wrought-iron	41¼	0 3 1	Each	Burma.	
			Lever boxes, cast-iron	41¼	2 1 0	„		
			Rails stock, 18 feet	41¼	0 9 5	„		
			„ tongue 12 feet	41¼	0 7 7	„		
4470			Cast-iron tumbler, wrought iron lever and cast-iron weight with steel set screw ...	41¼	0 18 1	„		
4470	25-2-91		Spare parts of— Rails tongue, 12 feet...	50	0 17 0	Each	Burma.	
4887	25-6-91		Stock rails, 18 feet right	41¼	1 4 6	„	„	
		Switches of points.	„ „ „ left	41¼	1 4 6	„		
			Tongue rails 12 feet right ...	41¼	1 2 0	„		
			„ „ „ left...	41¼	1 2 0	„		
5/174	15-12-91		Bolts and nuts	41¼	0 15 0	Set	Burma.	
			Each set of bolts, nuts, &c., consists of— 24 steel fang bolts, ¾″ diameter, with nuts and cast-iron fangs. 8 steel heel bolts, ¾″ diameter with nuts and washers. 4 steel holding down bolts ¾″ diameter, 7½″ long, with nuts and washers, for lever box, to be screwed for a length of 2½″.					

11/3019

Appendix A to the Rate List for Class D. Stores for the year 1891.

Statement showing the number and weight of different descriptions of permanent-way materials to be indented for, for one mile of track (Single line).

12/3019

Particulars.	Unit.	Rails, steel, flat-footed, 75 lbs. per yard, (old I. S. R. pattern), with 6-holed fishplates.						Rails, steel, flat-footed, 75 lbs. per yard, (E. C. R. pattern,) with 5-holed fishplates.						Rails, steel, flat-footed, 50 lbs. per yard, with 4-holed fishplates.						Rails, steel, flat-footed, 41½ lbs. per yard, with 4-holed fishplates.						Remarks.
		In 30 feet lengths only.			*In assorted lengths of 30, 27 and 24 feet.*			*In 30 feet lengths only.*			*In assorted lengths of 30, 27 and 24 feet.*			*In 30 feet lengths only.*			*In assorted lengths of 30, 27 and 24 feet.*			*In 30 feet lengths only.*			*In assorted lengths of 30, 27 and 24 feet.*			
		Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	Weight of each unit.	Number required per mile including allowance for waste.	Weight per mile.	
		lbs.		Tons.	lbs.		Tons.	lbs.		Tons.	lbs.		Tons.	lbs.		Tons.	lbs.		Tons.	lbs.		Tons.	lbs.		Tons.	* *Actual.*
Rails ...	Each	750	352	117·86	...	356*	118·06†	750	352	117·86	...	356*	118·06†	500	352	78·57	...	356*	78·70†	412·5	352	64·82	...	356*	64·93†	No. 330·9 of 30 feet. ,, 15·6 of 27 ,, ,, 8·8 of 24 ,,
Fishplates ...	Pair	38·20	361	6·15	38·20	365	6·22	27·5	361	4·43	27·5	365	4·48	28	361	4·51	28	365	4·56	9·125	361	1·47	9·125	365	1·49	† This is the weight of 356 rails of assorted lengths.
Fishbolts with nuts and washers ...	Set	11·44	370	1·89	11·44	373	1·90	10·10	370	1·67	10·10	373	1·68	3·75	370	·62	3·75	373	·62	3·75	370	·62	3·75	373	·62	The following allowances have been made for waste, &c., over the actual requirements in case of permanent-way materials :—
Bearing plates, when used throughout ...	Pair	9·8	2,050	8·97	9·8	2,050	8·97	13·30	2,050	12·17	13·30	2,050	12·17	6	2,050	5·49	6	2,050	5·49	4·54	2,050	4·15	4·54	2,050	4·15	Rails ... *Nil.* Fishplates ... 2½ per cent. Fishbolts, &c. ... 5 ,, Bearing plates ... 2½ ,, Spikes ... 10 ,, Keys for sleepers, 7½ ,,
Bearing plates, when used on sleepers next to joints only ...	Pair	9·8	361	1·58	9·8	365	1·60	13·30	361	2·14	13·30	365	2·16	6	361	·97	6	365	·98	4·54	361	·73	4·54	365	·74	In case of sleepers 2,000 sleepers per mile is considered sufficient for the purposes of indents.
Spikes, when the line is fully spiked with 8 spikes to each sleeper...	Set of four.	2·77	4,400	5·44	2·77	4,400	5·44	2·8	4,400	5·50	2·8	4,400	5·50	2·12	4,400	4·16	2·12	4,400	4·16	2·12	4,400	4·16	2·12	4,400	4·16	
Spikes, when the sleepers next to the joints are fully spiked and the others with 4 spikes each ...	Set of four.	2·77	2,587	3·20	2·77	2,591	3·20	2·8	2,587	3·23	2·8	2,591	3·24	2·12	2,587	2·45	2·12	2,591	2·45	2·12	2,587	2·45	2·12	2,591	2·45	
Sleepers, steel, transverse ...	Each	120	2,000	107·14	120	2,000	107·14	120	2,000	107·14	120	2,000	107·14	75	2,000	66·96	75	2,000	66·96	69	2,000	61·60	69	2,000	61·60	
Keys for steel sleepers ...	Pair	1·98	2,150	1·90	1·98	2,150	1·90	2·16	2,150	2·07	2·16	2,150	2·07	1·25	2,150	1·19	1·25	2,150	1·19	1·25	2,150	1·19	1·25	2,150	1·19	
Weight per mile of material for steel sleeper road				234·94			235·22			233·17			233·43			151·85			152·03			129·70			129·83	

NOTE (1).—When assorted rails of 30, 27 and 24 feet lengths are used, the proportions are 94, 4 and 2 per cent. respectively.

NOTE (2).—In indents, the number, as well as the weight of the different items of permanent-way materials required, should be clearly specified.

G. G. Press, Simla.—No. 737 P. W. D.—11-10-92.—800.

LS 50 LB. PER YARD ON TRANSVERSE STEEL SLEEPERS ATE RAILWAY PATTERN).						WITH FLAT-FOOTED STEEL RAILS 41½ LB. PER YARD ON TRANSVERSE STEEL SLEEPERS (STATE RAILWAY PATTERN).								
URRED IN ENGLAND.						CHARGES INCURRED IN ENGLAND.								
						Cost free on board at port in England.								
ea freight calculated 10 shillings per ton.	Insurance at 1 per cent. on prime cost *plus* sea freight.	TOTAL ENGLISH CHARGES.	English charges converted to Indian currency at exchange 1*s.* 4*d.* to a rupee.	Landing charges in India, at Rs. 2 per ton.	Total cost delivered at port in India.	Quantity to be delivered per mile of single track.	Per ton of material.	Per mile of single track.	Sea freight calculated at 10 shillings per ton.	Insurance at 1 per cent. on prime cost *plus* sea freight.	TOTAL ENGLISH CHARGES.	English charges converted to Indian currency at exchange 1*s.* 4*d.* to a rupee.	Landing charges in India, at Rs. 2 per ton.	Total cost delivered at port in India.
£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	Rupees.	Rupees.	Rupees.	Tons.	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	£ *s.* *d.*	Rupees.	Rupees.	Rupees.
39 7 0	4 2 8	417 6 2	6,239·6	157·4	6,417·0	64·93	4 15 0	308 8 4	32 9 4	3 8 3	344 5 11	5,164·2	139·8	5,294
2 5 7	0 6 2	31 1 9	466·3	9·1	475·4	1·49	6 5 0	9 6 3	0 14 11	0 2 0	10 3 2	152·4	2·9	155·3
0 6 2	0 1 9	8 18 5	133·7	1·2	134·9	·62	13 15 0	8 10 6	0 6 2	0 1 9	8 18 5	133·7	1·2	134·9
34 1 6	4 1 9	412 19 9	6,194·7	136·3	6,331	62·79	5 10 0	345 6 11	31 7 11	3 15 5	389 10 2	5,707·6	125·5	5,833·1
76 0 3	8 12 4	870 6 1	13,054	304	13,358	129·83	...	671 12 0	64 18 4	7 7 4	743 17 8	11,158	250	11,417
... ...	... ...	... ...	... ...	... ...	...	...	... ...	... ...	... ...	... ...	...	... ...	... ...	...
... ...	... ...	... ...	... ...	... ...	13,358	...	... ...	... ...	... ...	... ...	...	... ...	... ...	11,417

Appendix C to the Rate List for Cla

Statement showing the carriage of

MATERIAL.	Weight for one mile of single track.	Carriage of one mile of material per one hundred miles of distance.					Weight for one mile of single track.	Carriage of one mile of material per one hundred miles of distance.				
		State Railways and East Indian Railway.		G. I. P. Railway.*	Bombay, Baroda and Central India Railway.	Rajputana-Malwa Railway.		State Railways and East Indian Railway.		G. I. P. Railway.*	Bombay, Baroda and Central India Railway.	Rajputana-Malwa Railway.
		For first 400 miles. @ 4·08 pies per ton per mile.	For distance in excess of 400 miles. @ 2·72 pies per ton per mile.	@ 10·08 pies per ton per mile.	@ 10·89 pies per ton per mile.	@ 9·53 pies per ton per mile.		For first 400 miles. @ 4·08 pies per ton per mile.	For distance in excess of 400 miles. @ 2·72 pies per ton per mile.	@ 10·08 pies per ton per mile.	@ 10·89 pies per ton per mile.	@ 9·53 pies per ton per mile.
	Tons.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.	Tons.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.
English material	235·23	499·8	333·2	1,234·9	1,334·1	1,167·5	233·43	496·0	330·7	1,225·5	1,324·0	1,158·6
Indian material												
TOTAL ...	235·23	499·8	333·2	1,234·9	1,334·1	1,167·5	233·43	496·0	330·7	1,225·5	1,324·0	1,158·6

N.B.—Terminal charges are not included in the mileage rates for carriage, as it is
* The rates given here for the G. I. P. Railway

res for the year 1891.

material for one mile of single track.

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Weight for one mile of single track.	Carriage of one mile of material per one hundred miles of distance.					Weight for one mile of single track.	Carriage of one mile of material per one hundred miles of distance.					Remarks.
	State Railways and East Indian Railway.		G. I. P. Railway.*	Bombay, Baroda and Central India Railway.	Rajputana-Malwa Railway.		State Railways and East Indian Railway.		G. I. P. Railway.*	Bombay, Baroda and Central India Railway.	Rajputana-Malwa Railway.	
	For first 400 miles. @ 4·08 pies per ton per mile.	For distance in excess of 400 miles. @ 2·72 pies per ton per mile.	@ 10·08 pies per ton per mile.	@ 10·89 pies per ton per mile.	@ 9·53 pies per ton per mile.		For first 400 miles. @ 4·08 pies per ton per mile.	For distance in excess of 400 miles. @ 2·72 pies per ton per mile.	@ 10·08 pies per ton per mile.	@ 10·89 pies per ton per mile.	@ 9·53 pies per ton per mile.	
Tons.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.	Tons.	Rupees.	Rupees.	Rupees.	Rupees.	Rupees.	
152·03	323·1	215·4	798·1	862·3	754·6	129·83	275·9	183·9	681·6	736·4	644·4	
... ...												
152·03	323·1	215·4	798·1	862·3	754·6	129·83	275·9	183·9	681·6	736·4	644·4	

understood that the material is loaded and unloaded by the owners.
are applicable up to 400 miles of distance only.

FROM

THE DIRECTOR GENERAL
OF RAILWAYS,

To

Circular No. 10.

Dated Simla, the 27th September 1892.

Received

RATE LIST, CLASS D.

Permanent-way Materials for 1891.

G. C. Press, Simla.—No. 439 P. W. D.—5-10-92.—800.