Public Works (1899) Department.

G.O., No. : 822 W

DATED 16th March 1899.

[Despatch Abstract.]

Pale List, class E — Rolling Stock for 1897

Letter from the Director of Railway Construction forwarding Copies of ——— Communications addressed to Officers of the Board.

S/13

[W. W. 2
9—7-1-99.]

Indexed. 17/3

ACK PAPERS.

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

FURTHER PAPERS.

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

Public works (1897) **Department.**

CURRENT No. 2091

From

The Director of
Railway Constn:

Cir: No. 1

Dated 19.1.99

Received 9.3.99

Registered 9.3.99

Enclosures 1 (60 S.C)

Spare copies. 60.

N:822 W 16.3.99.

Communicated to
... of the P.W. Dept.
information.
AHK
15.3.99.

Cir 1
13/3/99

SUBJECT.

Rate list, class E. —

Rolling Stock for 1897:

Forwarding a Copy of —

The Chief Engr. for Irrigation } with copies.
All Suptg. Engrs. } of list
The Consg. Architect to Govt: } 17/3/99 DW
Examrs. P.W. Accts. } B W

BACK PAPERS.

G.O.	No.	Department.	Date.
	2671	W.J.	19.9.96.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Enclosure to Director of Railway Construction's Circular No. 1 of 1899.

RATE LIST.

CLASS E.

ROLLING STOCK

FOR 1897.

G. C. Press, Simla.—No. 792 P. W. D.—14-2-99.—890.

CONTENTS.

E. Rolling Stock—

(*a*) Locomotives—

(1) *Engines and spare parts*—

	Page.
5′ 6″ gauge	1—11
Metre and narrow gauges	12—17

(2) *Vacuum Automatic Brake gear and Rigging*—

5′ 6″ gauge Metre gauge }	18

(*b*) Coaching and Goods stock—

(1) *Complete ironwork for vehicles*—

5′ 6″ gauge	19—22
Metre and narrow gauges	23

(2) *Ironwork*—

5′ 6″ gauge	24—36
Metre and narrow gauges	37—40

(3) *Vacuum Automatic Brake gear and Rigging*—

5′ 6″ and metre gauges	41—42
(4) Metallic and other fittings	43—52
(5) India-rubber fittings	53—54
(6) Trimmings	55—60
Appendices	61—64

Enclosure to Director of Railway Construction's Circular No. 1 of 1899.

Statement showing the latest average rates per ton for entire sea-freight on locomotive and rolling stock materials sent out from England to the several ports in India for State Railways of both gauges during 1897.

Description of materials.	Karachi.	Bombay.	Coconada or Vizagapatam.	Calcutta.	Rangoon.	Remarks.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
Engines, locomotive, complete	2 2 0	...	...	2 0 6	...	
Engines, locomotive, spare parts of—	0 19 0	...	...	1 11 9	...	Boiler tubes 50 shillings, Karachi.
Coaching stock, underframe and body iron work for— ...	...	...	1 10 8	1 7 6	...	Engine frame 50 shillings, Calcutta.
Goods stock, underframe and body iron work for— ...	1 10 0	...	1 10 9	1 8 9	...	
Wheels and axles, axle-boxes, springs, couplings, etc. ...	1 2 9	...	1 8 11	1 5 9	1 5 0	
Cranes, accident	...	...	...	2 10 0	0 17 6	

Note.—Where rates are not quoted, it should be understood that articles of that description were not imported during the year.

CLASS E.

ROLLING STOCK

(*a*).—LOCOMOTIVES.

(1).—Engines and spare parts.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*a*)—LOCOMOTIVES; (1) ENGINES AND SPARE PARTS.

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
66/26 1-1-97	Engines, locomotive, complete.	Vulcan Foundry Company, goods engines, with copper fire boxes and stays and brass tubes having six wheels all coupled, inside cylinders and inside frames, and separate tenders on six wheel as per general dimensions noted below: fitted with automatic brake complete. *Engines.* *Diameter of cylinder inside 1 foot 7 inches. Stroke of piston 2 feet 2 inches. Centre of cylinder to centre of driving axle 9 feet 11¼ inches. Length of boiler barrel between tube plates 12 feet 7 inches. Largest diameter of boiler barrel outside 4 feet 7 inches. Length of fire box casing outside 6 feet 3 inches. Width of fire box casing at bottom outside 4 feet 9⅛ inches. Width of fire box casing at centre outside 4 feet 8 inches. Height of centre of boiler from rail 7 feet 6 inches. Number of tubes 194. Diameter of tubes outside 2 inches. Heating surface of tubes 1,280 square feet. Heating surface of fire box 105 square feet. Fire grate area 22·7 square feet. Working pressure of boiler per square inch 160 lbs. Length of engine frames 26 feet 9 inches. Thickness of engine frames 1½ inches. Distance between engine frames 4 feet 10⅛ inches. Diameter of coupled wheels on tread 4 feet 7 inches. Distance between centres of leading to driving wheels 7 feet 6 inches. Distance between centres of wheels, driving to trailing, 7 feet. Total wheel base of engine 14 feet 6 inches. Height of buffers from rail 3 feet 6 inches.*	*2,715	0	0	Each	Delhi-Bhatinda-Samasetta.	*Engine ... £2,155 Tender ... £530 Extra for Taylos's or Vickor's axles. £30 £2,715 Drawings, £30-0-0 per set.

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		Tenders.						
66/26 1-1-97 *contd.*		*Number of wheels 6. Wheel base 12 feet. Diameter of wheels on tread 3 feet 7 inches. Thickness of frames ⅞ths inch. Length of frames 18 feet 9 inches. Distance between frames 6 feet 3¼ inches. Capacity of tank 2,000 gallons.*						
	Engines, locomotive complete—*concld.*	Goods, (Kitson and Company) having six wheels (all coupled) inside cylinders and inside frames, and separate tenders on six wheels as per general dimensions noted below: fitted with automatic vacuum brake complete.	2,790	0	0	Each	Hardwar-Dehra Branch, Oudh and Rohilkhand.	
77/159 15-12-97		*Engines.* *Inside cylinder type, 16″ × 24″ stroke, six wheels coupled, 4′ 6¾″ diameter on tread, working boiler, pressure 160 lbs. per square inch. Total heating surface of boiler and fire box 1,000 square feet and 15·75 square feet of grate area.*						
		Tenders. *Number of wheels 6. Diameter of wheels on tread 3 feet 6½ inches. Capacity of tank 1,800 gallons. Capacity for fuel 200 cubic feet.*						
68/279 23-3-97 ...	Axles ...	Steel, engine crank	125	0	0	Each	North Western.	
71/108 9-6-97		Steel, engine crank, for C class engines	99	10	0	„	Eastern Bengal.	
		„ Leading for P. class engines	11	9	0	„	North Western.	
69/267 15-4-97 ...	Boilers, locomotive	For H. class engines, with smoke box, door, chimney, dome, safety valves, fire door, fire bars, and carriers, regulator, regulator valves, handle, fire box, tubes, and all fittings, pipes, mountings, &c., complete. Working pressure 160 lbs.	675	0	0	Each	North Western.	
		For K. S. class engines, with smoke box, door, chimney, dome, safety valves, fire door, fire bars, and carriers, regulator, regulator valves, handle, fire box, tubes, and all fittings, pipes, mountings, &c., complete. Working pressure 160 lbs.	710	0	0	„		
		For L. class engines, with smoke box, door, chimney, dome, safety valves, fire door, fire bars, and carriers, regulator, regulator valves, handle, fire box, tubes, and all fittings, pipes, mountings, &c., complete. Working pressure 160 lbs.	803	0	0	„		
		For heavy L. class engines, with smoke box, door, chimney dome, safety valves, fire door, fire bars, and carriers, regulator, regulator valves, handle, fire box, tubes and all fittings, pipes, mountings, &c., complete. Working pressure 160 lbs.	910	0	0	„		
71/362 23-6-97	Bogie, centres ...	Cast steel, machined and finished to sizes	5	0	0	Each	Eastern Bengal.	
71/362 23-6-97	Buffers ...	Complete with springs, for H. class engines... ...	4	0	0	Each	Eastern Bengal.	
89/267 15-4-97	Cocks ...	For water gauge, complete, asbestos packed, H. B. class, bottom and top	1	12	7	Each	North Western.	

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*a*)—LOCOMOTIVES; (1)—ENGINES AND SPARE PARTS—*contd.*

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
77/17 — 2-12-97	Cylinders ...	For bogie passenger engines, 19 inches diameter, 26 inches stroke with steam chest covers, and all studs and nuts complete	91	10	0	Set	East Coast.	
77/159 — 15-12-97	Duplicates ...	One set spare working parts as follows:— Pistons, piston rods, cross heads, slide bars, valve spindle guides, link motion with motion shaft, cast steel motion plate, eccentric's, coupling rods and connecting rods, engine and tender wheels, axles with axle-boxes and brasses, 2 sets of springs, fire-box, copper tube plates, wrought iron smoke box tube plate, and combination injectors, Gresham's patent	975	0	0	Set	Hardwar-Dehra Branch, Oudh and Rohilkhand.	
76/146 — 16-11-97	Flexible fire-box stays (Stone's).	$5\frac{1}{2}$″ long × $\frac{13}{16}$″ diameter screwed 11 threads per inch.	0	1	7·60	Each.	Oudh and Rohilkhand	£ 49 for a total of 599 stays.
		5″ „ × $\frac{13}{16}$″ „	0	1	5·60	„		
		$5\frac{1}{2}$″ „ × 1″ „	0	1	9·78	„		
		5″ „ × 1″ „	0	1	8·00	„		
69/267 — 15-4-97	Gauges, pressure...	200 lbs. Bourdon's patent, metal face, not enamelled, dial 7 inches diameter	1	0	0	Each	North Western.	
70/2 — 1-5-97	Glasses, gauge ...	Plain $10\frac{1}{2}$″ × $\frac{5}{8}$″ outside diameter	0	2	$7\frac{1}{2}$	Doz.	Eastern Bengal.	
		„ $11\frac{1}{2}$″ × $\frac{5}{8}$″ „	0	2	$10\frac{1}{2}$	„		
71/210 — 14-6-97		„ 12″ × $\frac{5}{8}$″ „	0	3	0	„	North Western.	
75/41 — 7-10-97		„ 14″ × $\frac{5}{8}$″ external diameter	0	3	6	„	East Coast.	
71/210 — 14-6-97		„ 18″ × $\frac{3}{4}$″ „	0	5	$7\frac{1}{2}$	„		
75/41 — 7-10-97		„ 20″ × $\frac{5}{8}$″ „	0	5	0	„	North Western.	
		„ 4″ × $\frac{5}{4}$″ for sight feed lubricators	0	2	3	„		
77/17 — 2-12-97	Glasses, spectacle...	Engine 1′ $1\frac{1}{2}$″ diameter	0	3	4	Each	East Coast.	
		„ look out for door 1′ $0\frac{1}{2}$″ diameter	0	3	4			
69/158 — 10-4-97		Tender	0	3	4			
		$13\frac{1}{2}$ diameter and $\frac{3}{16}$ thick	0	1	$6\frac{1}{4}$	„	Eastern Bengal.	
71/362 — 23-6-97	Horn cheek stays	Cast steel, for driving or trailing wheels for D class engines	12	0	0	Each	Eastern Bengal.	
71/362 — 23-6-97	Injectors ...	Combination, for D class engines	14	10	0	Each	Eastern Bengal.	
77/17 — 2-12-97		Complete, right hand fitted with No. 9 cones, Sheward and Gresham's self-acting	12	10	0	„	East Coast.	
		Complete, left hand fitted with No. 8 cones, Sheward and Gresham's self-acting	12	7	0	„		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*a*)—LOCOMOTIVES; (1).—ENGINES AND SPARE PARTS—*contd.*

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
74/384 29-9-97	Injectors—*concld.*	Gresham's patent for G class engines —						
		Right hand	13	15	0	Each.	Oudh and Rohilkhand.	
		Left hand	13	15	0	,,		
69/267 15-4-97		No. 8, spare cones for—	2	7	0	,,	North Western.	
69/267 15-4-97	Lubricators ...	"Sight-feed," automatic for mineral oil, Vacuum Oil Company's latest improved pattern	4	8	8	Each	North Western.	
7/362 23-6-97		"Sight-feed," "Parel," new improved pattern, for D class engines	4	10	0	,,	Eastern Bengal.	
74/384 29-9-97		"Sight-feed," 1 pint size	5	7	6	,,	Oudh and Rohilkhand.	
70/113 12-5-97	Paper transfer of monograms.	For engines	0	2	6	Each	Eastern Bengal.	
74/384 29-9-97	Piston, cross heads and side blocks combined.	Crucible cast steel for High Pressure, finished for Webbs compound engines—						
		Right hand	5	16	6	Each	Oudh and Rohilkhand.	
		Left hand	5	16	6			
74/384 29-9-97	Piston cross head	Low Pressure for E. class engines	7	13	0	Each	Oudh and Rohilkhand.	
77/17 2-12-97	Piston rods ...	Complete for high and low pressure cylinders, cone portion in piston head turned $3\frac{5}{16}$″ tapring to $2\frac{1}{16}$″ ...	8	15	6	Each	East Coast.	
77/17 2-12-97	Pipes ...	Copper for damping ashpan from injector delivery pipe, external diameter $1\frac{7}{16}$″ thickness 13-B W. G. ...	1	0	0	Each.	East Coast.	
		Copper for belly blow off cock with unions complete $1\frac{7}{16}$″ external diameter, thickness 13-B. W. G. ...	2	0	0	,,		
71/268 17-6-97	Plates, copper ...	Fire box, crown 4′ × 4′ × ½″ B. class engines ...	10	11	0	Each	Eastern Bengal.	
		,, tube flanged, for H class engines	23	3	0	,,		
69/42 2-4-97		,, tube flanged, for L class engines	28	9	6	,,	North Western.	
		,, tube flanged, heavy L class engines ...	28	9	6	,,		
		,, ,, for D and E class engines	19	16	0	,,	Oudh and Rohilkhand.	
77/150 14-12-97		,, tube	26	2	0	,,	East Coast.	
		,, tube	29	7	3	,,		
71/362 23-6-97	Plates, steel ...	Buffer beam of H class engines, 9′ 10½″ × 1′ 4″ × 1½″, straightened and machined on edges	3	3	4	Each	Eastern Bengal.	
73/186 21-8-87		Buffer beam, 9′ 0½″ × 1′ 3″ × 1¾″, straightened and machined on edges	3	3	4	,,	North Western.	
		,, ,, ,, 1¼″, machined on edges ...	3	5	0	,,		
71/362 23-6-97		Boiler, 14′ 5″ × 4′ 7¼″ × $\frac{9}{16}$″, machined on edges ...	7	0	0	,,		
		,, ,, ,, ,, ,, ,, ...	8	0	0	,,		

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
74/384 29-9-97	Plates, steel ...	Fire box, shell, back flanged, for B class engines ...	7	10	10	Each.	Oudh and Rohilkhand.	
71/362 23-6-97		For engine frames, straightened and machined on edges ...	22	0	0	,,	North Western.	
69/267 15-4-97		Smoke box, tube, for L class engines, flanged and machined on the edges, but no holes drilled	6	14	2	,,	North Western.	
74/384 29-9-97		,, ,, for B ,, ,, ...	8	3	4	,,	Oudh and Rohilkhand.	
77/17 2-12-97		Smoke box tube	8	14	0	,,	East Coast.	
73/186 21-8-97		Tender frame inner ½″	2	9	2	,,	North Western.	
		,, ,, ,, ⅝″	14	10	0	,,		
71/466 28-6-97	Pipes, feed ...	India rubber, between engine and tender for B and H class engines	0	16	0	Pair	Eastern Bengal.	
77/17 2-12-97	Rings ...	India rubber, packing, for ball and socket joints ...	1	10	0	Per 100	North Western.	
71/476 29-6-97		India rubber to suit gauge glasses $\frac{9}{16}$′ hole, $\frac{3}{16}$″ thick ...	0	11	8	,, 1,000		
71/466 28-6-98		,, ,, ,, ⅝″ diameter × ¼″ ...	1	12	0	,, ,,	Eastern Bengal.	
75/73 11-10-97		India rubber to suit gauge glasses, $\frac{9}{16}$″ internal diameter × ¼″ cord	1	7	9	,, ,,	East Coast.	
		India rubber to suit gauge glasses, $\frac{1}{16}$″ ,, ,, × ¼″ cord	2	1	8	,, ,,		
71/271 17-6-97	Springs ...	Bearing Bogie, for D class engines	7	6	3	Each	Eastern Bengal.	
		,, trailing or transverse, for B class engines ...	11	0	0	,,		
76/281 30-11-97		,, trailing, four top plates $\frac{9}{16}$″ × 4½″	4	6	8	,,	East Coast.	
		,, trailing 12 plates for Bissel trucks 11 plates $\frac{5}{16}$″ × 3½″, top tension plate ⅜″ × 3½″	1	16	5	,,		
75/180 18-10-97		Bearing Coil engine, leading and driving	0	14	4	,,		
76/283 30-11-97		Bearing, driving for D class engines	0	11	3	,,	Eastern Bengal.	
68/281 23-3-97		Buffing, intermediate and tender for K. S. class engines ...	4	10	0	,,	North Western.	
		,, ,, ,, for P. ,, ,, ...	4	17	6	,,		
76/282 30-11-97		Buffer volute	0	6	5	,,	East Coast.	
		Coil pull off, for engine brake rod	0	4	0	,,		
		Coil for tender brake cylinder	0	2	0	,,		
		,, safety valve for working pressure of 180 lbs. per square inch	0	6	11	,,		
		Coil for snifting valves to low pressure cylinder 2″ diameter 92 lbs. pressure.	0	2	7	,,		
		Coil for intercepting safety valve adjusted to 92 lbs. pressure.	0	2	6	,,		
		Coil, pull off brake 2″ diameter, of ⅜″ section tender 1′—8½″ long.	0	7	2	,,		
71/504 30-6-97		Drag hook spiral	0	10	0	,,		
		Spiral, for tender draw hooks, for H class engines ...	0	4	11	,,	Eastern Bengal.	
77/59 4-12-97	Tubes ...	*Boiler brass*— 11′ 8″ × 1¾″ × 12 and 10 B. W. G., G. class ...	67	13	4	Ton	East Coast.	100 tubes = 2,594 lbs.
71/137 10-6-97		11′ 8″ × 1¾″ × 11 S. W. G. at one end and 12 S. W. G. at the other, L class ...	67	0	0	,,	North Western.	100 tubes = 2,461 lbs.
		10′ 9½″ × 2″ × 11 and 12 B. W. G. } K. S. class ...						100 tubes = 2,623 lbs.
		10′ 10″ × 2½″ × 11 and 12 ,, }						100 tubes = 2,808 lbs.
77/59 4-12-97		10′ 10″ × 2½″ external diameter 11 and 12 S. W. G.	67	13	4	,,		100 tubes = 2,982 lbs.
74/46 4-9-97		10′ 8½″ × 1⅝″ × 11 B. W. G. throughout for C. D. & E. class	66	10	0	,,	Oudh and Rohilkhand.	100 tubes = 2,548 lbs.
		10′ 8½″ × 1¾″ × 11 B. W. G., for H class ...						100 tubes = 2,366 lbs.
		10′ 8½″ × 2″ × 11 B. W. G., throughout ...						100 tubes = 2,720 lbs.
71/138 10-6-97		10′ 6″ × 1¾″ × 13 and 11 B. W. G.	67	0	0	,,	Eastern Bengal.	100 tubes = 2,116 lbs.

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
70/257 19-5-97	Tubes—*contd.* ...	*Boiler brass*—concld.						
		10′ 9¼″ × 2″ × 11 and 12 S. W. G. for K S. class engines	66	8	8	Ton	North Western.	100 tubes = 2,623¼ lbs.
		10′ 10″ × 2⅛″ × 11 and 12 S. W. G. for K. S. engines						100 tubes = 2,808 lbs.
		11′ 8″ × 1¾″ × 11 and 12 S. W. G. for L. class engines						100 tubes = 2,461 lbs.
74/4 1-9-97	Tyres ...	*Engine, steel*—						
71/399 25-6-97		C. class for driving, leading and trailing wheels ...	5	11	5	Each	Oudh and Rohilkhand.	
		„ „ „ „ ...	6	19	4	„		
		D. class for bogie wheels	4	6	8	„	Eastern Bengal.	
74/4 1-9-97		D. „ for driving and trailing wheels	8	15	0	„		
		D. and E. class for driving and trailing wheels ...	8	8	6	„		
76/196 23-11-97		G. class for leading wheels	6	5	0	„	Oudh and Rohilkhand.	
71/399 25-6-97		H. „ for bogie „	3	0	3	„		
		H. „ for driving and trailing wheels	5	18	11	„	Eastern Bengal.	
67/280 30-11-97	Tyres—*concld.* ...	I. M. Railway engines for trailing and driving wheels	10	7	8	Each	East Coast.	
74/4 1-9-97		L. class, for driving, leading and trailing wheels ...	5	16	3	„	North Western.	
68/282 23-3-97		P. „ for driving and trailing wheels	8	17	4	„	North Western.	
		Tender, steel—						
76/280 30-11-97		I. M. Railway engines for bogie wheels	5	11	8	„	East Coast.	
71/399 25-6-97		A. B. and C. class tender wheels	5	0	6	„	Eastern Bengal.	
		D. „ „ „	5	1	1	„		
		H. „ „ „	4	5	7	„		
77/17 2-12-97	Valves	Spindles and brackets Low pressure	4	11	8	Each	East Coast.	
		Spindles and brackets High „	4	6	0	„		
77/17 2-12-97	Wheels and axles	Set of bogie driving and trailing wheel B. for I. M. Ry. engines, complete with axles and tyres	396	12	6	Set	East Coast.	1 set = 4 pairs.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*a*)—LOCOMOTIVES; (1)—ENGINES AND SPARE PARTS—*contd.*

METRE AND NARROW GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on Board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
77 183 — 17-12-97	Engines, locomotive, complete.	Neilson & Co.'s F class engines, with copper fire boxes and stays and brass tubes having six wheels all coupled, outside cylinders and outside frames, and separate tenders on six wheels as per general dimensions noted below: fitted with automatic brake complete. *Engines.* *Diameter of cylinder inside 1 foot 2 inches. Stroke of piston 1 foot 8 inches. Centre of cylinder to centre of driving axle 8 feet 4¼ inches. Length of boiler barrel between tube plates 9 feet 6¾ inches. Diameter of largest ring of boiler barrel outside 3 feet 6¼ inches. Length of fire box casing outside 5 feet 9 inches. Width of fire box casing at bottom outside 2 feet 10½ inches. Width of fire box casing at centre outside 3 feet 8½ inches. Number of tubes 145. Diameter of tubes outside 1⅝ inches. Heating surface of tubes 590 square feet. Heating surface of fire box 59 square feet. Fire grate area 12 square feet. Working pressure of boiler per square inch 140lbs. Length of Engine frames 21 feet 6½ inches. Thickness of engine frames ¾ inch. Distance between engine frames 3 feet 11½ inches. Diameter of coupled wheels on tread 3 feet 6½ inches. Total wheel base of engine 11 feet. Height of buffers from rail, 1 foot 10 inches.*	*1,835	0	0	Each	Eastern Bengal ..	* Engine ... £1,475 Tender ... 360 = £1,835

METRE AND NARROW GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board: Amount. £ s. d.	Rate—Free on board: Unit.	For what railway.	Remarks.
		Tenders.				
77/183 — 17-12-97		*Number of wheels 6. Wheel base 7 feet 10½ inches. Diameter of wheels on tread 2 feet 1⅜ inches. Distance between centres of journals 4 feet 7⅛ inches. Thickness of frames ⅝ inch. Length of frames 14 feet 2¾ inches. Distance between frames 4 feet 2 inches. Capacity of tank, 1,000 gallons. Capacity for fuel, 250 cubic feet.*				
		Neilson & Co.'s modified O class goods with copper fire boxes and stays and brass tubes, having eight wheels four coupled, four wheeled bogie, outside cylinders, and separate tenders on six wheels as per general dimensions noted below: fitted with automatic vacuum brake complete.	2,105 0 0	Each	Eastern Bengal.	
		Engines.				
77/184 — 17-12-97	Engines, locomotive, complete—*contd.*	*Diameter of cylinder inside 14 inches. Stroke of piston 20 inches. Centre of cylinder to centre of driving axle 8 feet 4½ inches. Length of boiler barrel between tube plates 9 feet 6⅜ inches. Diameter of largest ring of boiler barrel outside 3 feet 6¼ inches. Length of fire box casing outside 5 feet 9 inches. Width of fire box casing at bottom outside 2 feet 10½ inches. Width of fire box casing at centre outside 3 feet 8⅛ inches. Number of tubes 145. Diameter of tubes outside 1⅞ inches. Heating surface of tubes 590 square feet. Heating surface of fire box 62·6 square feet. Fire grate area 12·5 square feet. Working pressure of boiler per square inch 140 lbs. Length of engine frames 21 feet 6⅛ inches. Thickness of engine frames ¾ inches. Distance between engine frames 3 feet 11½ inches. Diameter of coupled wheels on tread 3 feet 6½ inches. Distance between centres of leading and driving wheels 5 feet 3 inches. Distance between centres of driving and trailing wheels, 5 feet 9 inches. Total wheel base of engine 11 feet. Height of buffers from rail, 1 foot 10 inches.*				
		Tenders.				
77/184 — 17-12-97	Engines, locomotive, complete—*concld.*	*Number of wheels 6. Wheel base 7 feet 10½ inches. Diameter of wheels on tread 2 feet 1⅜ inches. Thickness of main frames ⅝ inch Distance between centres of journals 4 feet 7⅛ inches. Length of frames 14 feet 2¾ inches. Distance between frames 4 feet 2 inches. Capacity of tank, 1,000 gallons.*				
71/108 — 9-6-97	Axles ...	Steel driving ... ... for new F class engines.	6 0 0	Each ...	Eastern Bengal.	
		„ leading ... ... for new F class engines.	5 18 0	„ ...	Eastern Bengal.	
		„ trailing ... ... for new F class engines.	5 14 0	„ ...	Eastern Bengal.	
71/362 — 23-6-97	Boilers ...	Steel for new O class engines, with all mountings and fittings complete ready for steaming, but without smoke boxes and ashpans.	510 0 0	Each	Eastern Bengal.	
77/184 — 17-12-97	Duplicate ...	One set as follows :— 1 set trailing, driving, and bogie engine wheels, fitted with axles, tyres, crank pins, &c., complete, ready for use. 1 set tender wheels, fitted with axles and tyres complete, ready for use. 2 springs bogie side, 6 sets (4 to a set), springs driving and trailing, one set piston rods and cross heads consisting of 2 rods and 2 cross heads, 2 nuts and 2 cutters complete.	397 0 0	Set	Eastern Bengal.	
71/269 — 17-6-97	Ferrules ...	Steel solid compressed for boiler tubes, with a taper of 1 in 20	5 10 0	Per 1,000	Eastern Bengal.	

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*a*)—LOCOMOTIVES; (1)—ENGINES AND SPARE PARTS—*contd.*

METRE AND NARROW GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
70/2 1-5-97	Glasses, gauge ...	Plain 8½″ × ⅝″	0	2	1½	Doz.	Eastern Bengal.	
		„ 9½″ × ⅝″	0	2	4½	„		
		„ 10½″ × ⅝″	0	2	7½	„		
		„ 14′ × ¾″	0	3	6	„		
69/158 10-4-97	Glasses spectacles ...	British, polished, plate, clear, arched 17″ × 13″ × 5/16 ...	0	1	8½	Each.	Eastern Bengal.	
71/362 23-6-97	Gauges, pressure ...	Bourdon's patent to register up to 200 lbs. per square inch, 7″ dial.	1	3	4	Each	Eastern Bengal.	
71/259 17-6-97		Steam, 6″, to indicate 250 lbs. pressure	1	1	0	„	Jorhat.	
71/362 23-6-97	Injectors ...	5 M. M. complete, for new F class engines	12	9	3	Each	Eastern Bengal.	

71/268 17-6-97	Plates ...	*Copper*— Back flanged for fire box of E class engine	7	13	0	Each	Eastern Bengal.	
		Tube flanged for fire box of E class engines ...	11	13	3	„		
		Tube flanged, back flanged, side and crown for fire box of old F class engines	43	17	4	Set		
		Tube flanged, back flanged, side and crown for fire box of new F class engines	51	11	2	„		
		Tube flanged, back flanged, side and crown for fire box of O class engines	44	17	3	„		
71/362 23-6-97		Ditto Ditto of engines Nos. 1 to 4	18	16	6	„	Kaunia-Dharla.	
		Steel, tube, front, for old F class engines, flanged, and machined on edges, but no holes drilled	7	0	0	„	Eastern Bengal.	
		Steel, front, outer fire box and throat for O class engines, flanged, and machined on edges, but no holes drilled ...	5	13	4	„		
71/466 28-6-97	Rings ...	India rubber ¼″ diameter, hole 2/16″ diameter for gauge glasses	0	3	0	Per cent.	Eastern Bengal.	
73/247 26-8-97		„ „ ⅝″ „ to suit gauge glasses ...	0	3	2½	„	Jorhat.	
71/271 17-6-97	Springs ...	Engine, bearing for O class engines	3	10	0	Each	Eastern Bengal.	
73/213 24-8-97		Intermediate or draw bar between engine and tender for E and F class engines	4	13	9	„		
74/247 18-9-97		Rubber bogie for engine	0	7	6	„	Jorhat.	
		Bogie, spiral	0	8	9	„		
		Spiral with coils added to make spiral 2″ longer, to suit engine draw bars	0	10	10	„		
71/138 10-6-97	Tubes ...	*Brass boiler*— 9′ 9½″ long × 1⅝″ external diameter × 12 and 14 B. W. G., for new F class engines	67	0	0	Ton	Eastern Bengal.	100 tubes = 1,625 lbs.
		9′ 9⅜″ long × 1⅝″ external diameter × 12 and 14 B. W. G., for O. class engines						100 tubes = 1,624 lbs.
		8′ 2″ × 1⅝″ outside diameter × 1/16″ thick, for engines 1 to 4	72	0	0	„	Kaunia-Dharla 2′ 6″ gauge.	100 tubes = 800 lbs.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*a*)—LOCOMOTIVES; (1)—ENGINES AND SPARE PARTS—*contd.*

METRE AND NARROW GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		Engine, steel—						
71/399 25-6-97	Tyres ...	New F class, for leading and driving wheels ...	3	9	3	Each	Eastern Bengal.	
74/4 1-9-97		For Darjeeling-Himalayan engines	2	7	6	"	North-Western.	
		For driving and leading wheels	1	7	0	"	Jorhat.	
		Tender, steel—						
71/399 25-6-97		E and F class tender wheels	2	4	3	"	Eastern Bengal.	
		O class tender wheels	2	2	9	"		
71/362 23 6-97	Wheels and axles ...	Complete for engines 6 and 7	99	0	0	Set	Eastern Bengal.	Kaunia Dharla and Cooch Behar section.
74/11 1-9-97	Wheels ...	Cast steel, trailing (bogie)	2	15	0	Each	Jorhat.	2′ 6″ gauge.
71/466 28-6-97	Washers ...	India rubber for ball and socket joints, 6″ diameter $3\frac{3}{4}$″ hole, $\frac{3}{16}$″ thick	2	5	10	Per cent.	Eastern Bengal.	
		India rubber, for bearing springs	15	8	4	"		

CLASS E.

ROLLING STOCK,

(*a*).—LOCOMOTIVE.

(2).—Vacuum Automatic Brake gear and riging.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*a*)—LOCOMOTIVES; (2)—VACUUM AUTOMATIC BRAKE GEAR AND RIGGING.

5′ 6″ AND METRE GAUGES.

Contracted for in 1897.

Contract number and date.		Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
71/348	21-6-97	Vacuum automatic brake gear and rigging.	*Spare parts of—*						
			Ball valves, cylinder double branched	2	2	0	Each	Eastern Bengal.	
			Gauges, vacuum, combined train pipe and vacuum chamber	2	10	0	„		

CLASS E.

ROLLING STOCK,

(*b*).—COACHING AND GOOD STOCK.

(1).—Complete Ironwork for Vehicle.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (1)—COMPLETE IRON WORK FOR VEHICLES.

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
67/162 15-2-97	Brake vans ...	*Coaching stock—* Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, also hand gear for brake, roofing lavatory and metallic fittings, for brake vans, 24 feet 2 inches long (size of gas receiver, 3′ 6″ × 19″).	211	4	0	Set	Rae Bareli-Benares ...	
67/162 15-2-97	Carriages, composite	Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, roofing, lavatory, and metallic fittings for one composite (first and second class) carriage, complete, 25 feet 2 inches long (size of gas receiver 5′ 6″ × 23″).	273	7	0	Set	Rae Bareli-Benares ...	
73/168 20-8-97		Underframe, underframe and body steel and ironwork, and metallic fittings, for composite (first and second class) carriages, 27 feet 6 inches long with lateral compartments, but without roofing, scroll irons, shackle plates and pins, and buffers.	122	0	0	,,	Eastern Bengal.	
67/162 5-2-97		Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, roofing and metallic fittings for composite (intermediate and third class) carriage 29 feet 2 inches long (size of gas receiver, 5′ 6″ × 19″).	222	15	0	,,	Rae Bareli-Benares.	

These prices do not include wheels and axles bearing, and draw and Buffer springs, India rubber window cushions, Attock's blocks, and axle boxes. All these parts will form the subject of separate contract.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (1)—COMPLETE IRONWORK FOR VEHICLES—contd.

5′ 6″ Gauge.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £.	s.	d.	Unit.	For what railway.	Remarks.
		Coaching stock—contd.						
67/162 — 15-2-97	Carriages, first class	Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, roofing, lavatory, and metallic fittings for one first class carriage, complete, 25 feet 2 inches long (size of gas receiver, 6′ 9″ × 23″).	273	0	0	Set	Rae Bareli-Benares.	
67/162 — 15-2-97	Carriages, 2nd class	Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, roofing, lavatory, and metallic fittings, for one second class carriage, complete, 25 feet 2 inches long (size of gas receiver, 7′ 3″ × 23″).	263	3	0	Set		
67/162 — 15-2-97	Carriages, Intermediate.	Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, roofing and metallic fittings for Intermediate class carriage 27 feet 6 inches long (size of gas receiver, 5′ 6″ × 19″).	220	5	0	Set		
67/162 — 15-2-97	Carriages, 3rd class	Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, roofing, and metallic fittings, for one third class carriage, complete, 27 feet 6 inches long (size of gas receiver, 3′ 6″ × 19″).	216	17	0	Set		

69/78 — 6-4-97	Carriages, 3rd class	*Coaching stock*—(concld). Underframe, underframe and body steel and ironwork, automatic vacuum brake fitting and rigging, and all lamp fittings, complete, for lighting on Pintsch's patent system, roofing and metallic fittings for third class carriages, 27 feet 6 inches long	181	4	0	Set	Eastern Bengal.	
73/168 — 20-8-97		Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, and all lamp fittings, complete, for lighting on Pintsch's patent system, roofing and metallic fittings for third class carriages, 27 feet 6 inches long, but without axle guards, axle guard stays, and buffers	185	15	0	,,	Ditto.	
67/162 — 15-2-97	Horse boxes ...	Underframe, underframe and body steel and ironwork, automatic vacuum brake gear and rigging, gas fittings and lamps, roofing, lavatory and metallic fittings for horse boxes, complete, 20 feet long (size of gas receiver, 3′ 0″ × 19″).	205	0	0	Set.	Rae Bareli-Benares.	
69/78 — 6-4-97		Underframe, underframe and body steel and ironwork, roofing, metallic fittings, train pipes, couplings and clips complete, for vacuum brake for horseboxes, complete, 22 feet 10 inches long	139	0	0	,,	Eastern Bengal.	
73/168 — 20-8-97		Underframe, underframe and body steel and ironwork, roofing, metallic fittings, train pipes, coupling and clips complete for vacuum brake for horse boxes, 20 feet 6 inches long, but without buffers ...	141	10	0	,,	Eastern Bengal.	
66/38 — 2-1-97	Cranes, accident or break down.	Hand power, 10 tons, carried on a steel truck, 17 feet 2 inches long, having six wheels	460	0	0	Each.	North-Western.	For working Delhi-Bhatinda-Somasetta Railway.
73/168 — 20-8-97	Wagons, covered, goods.	*Goods stock*— Underframe, underframe and body steel and ironwork, roofing, complete, for covered goods wagon, 19 feet 8 inches long, with channel bar underframe ...	111	15	0	Set	Eastern Bengal.	
76/197 — 23-11-97		Underframe, underframe and body steel and ironwork, and roofing for one covered goods wagon complete, 18 feet long	86	0	0	,,	Oudh and Rohilkhand.	

These prices do not include wheels and axles, bearing and draw and buffer springs, India rubber window cushions, Attock's blocks and axle boxes. All these parts will form the subject of separate contracts.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK (1)—COMPLETE IRONWORK FOR VEHICLES—contd.

5′ 6″ Gauge.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		Goods stock—(concld).						
76/197 dated 23-11-97	Wagons, covered, goods—contd.	Underframe, steel, with wooden bodies and roofing for covered goods wagons 18 feet long	60	10	0	Set.	Oudh and Rohilkhand.	
70/277 dated 20-5-97	Wagons, oil tank	Underframe, underframe and body steel and ironwork, for oil tanks 18 feet long	190	0	0	,,	Rae Bareli-Benares	
69/78 dated 6-4-97	Wagons, low sided	Underframe, underframe and body steel and ironwork complete for one low sided wagon	105	7	6	Set.	Eastern Bengal.	
76/197 dated 23-11-97		Underframe, and underframe and steel and ironwork, for low sided wagons 19 feet 3 inches long ...	76	0	0	,,	Oudh and Rohilkhand.	
80/155 dated 11-3-98		Underframe, underframe and body steel and ironwork, with bolsters and stanchions, for carrying timber, for low sided wagons, complete, 19 feet 3 inches long ...	94	0	0	,,		For working the Hardwar-Dehra Branch.
73/168 dated 20-8-97		Underframe, underframe and body steel and ironwork complete for low sided wagons with channel bar underframe but without buffers	137	10	0	,,	Eastern Bengal.	
75/347 dated 29-10-97	Wagons, gas holder	Underframe, and body steel and ironwork, for travelling high pressure Gas holders. Consisting of two holders 19 feet 3 inches long by 4 feet 3 inches diameter with all brackets pump and all fittings complete, 24 feet long	359	0	0	Set.	Oudh and Rohilkhand.	

These prices do not include, wheels and axles bearing, and draw and buffer springs, India rubber window cushions, Attock's blocks and axle boxes. All these parts will form the subject of separate contracts.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK (1)—COMPLETE IRONWORK FOR VEHICLES—*contd.*

Metre and Narrow Gauges.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		Coaching stock—						
69/138 dated 8-4-97	Carriages, composite	Underframe, underframe and body steel and ironwork, vacuum brake fittings, roofing, lavatory, metallic fittings for one composite (first and second class) carriage, with channel bar underframes 19 feet long.	221	0	0	Set.	Eastern Bengal.	
		Underframe, underframe and body steel and ironwork, vacuum brake fittings, roofing, latrine and metallic fittings, for composite (intermediate and third class) carriage with channel bar underframes 19 feet long	147	8	0	,,		
		Goods stock—						
68/256 dated 19-3-97	Wagons, covered goods.	Underframe, underframe and body steel and ironwork, roofing, complete, for covered goods wagon, 18 feet long, bogie	56	1	0	Set.	Cooch-Behar ...	2 feet 6 inches gauge.
70/106 dated 11-5-97		Underframe, and body steel and ironwork, roofing, and metallic fittings complete for covered goods wagon, with channel and built up underframe 18 feet long ...	79	10	0	,,	Eastern Bengal.	The same without buffing and draw gear £ 72-2-6.
71/232 dated 16-6-97		Underframe, complete with body steel and ironwork, and roofing, for covered goods wagons, with channel bar underframe 18 feet long	79	5	0	,,		
77/52 dated 3-12-97		Underframe, underframe and body steel and ironwork, buffing and draw gear, brake gear, for covered goods wagons, complete, 18 feet long	79	5	0	,,		
		Underframe, underframe and body steel and ironwork, buffing and draw gear, brake gear, complete for covered goods wagons, 18 feet long	71	0	0	,,		For working the Brahmaputra-Sultanpur Railway.

These prices do not include wheels and axles, bearing and draw and buffer springs, India rubber window cushions, Attock's blocks and axle boxes. All these parts will form the subject of separate contracts.

CLASS E.

ROLLING STOCK.

(*b*).—COACHING AND GOODS STOCK.

(2).—Ironwork.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (2)—IRONWORK.

5′ 6″ Gauge.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Bath—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
74/5 1-9-97	Axles ...	Steel, 9″ × 4″, journals	5	7	0	Each	Oudh and Rohilkhand.	
71/156 11-6-97		Steel, carriage and wagon for 9″ × 4½″ journals ...	5	6	10	Each	North-Western.	
		Steel, carriage wheels for 9″ × 4″ journals	*4	13	5	,,	Eastern Bengal.	
67/311 27-2-97	Axle boxes ...	Cast iron, with brasses complete, for journals, 9″ × 4″ ...	1	4	0	Each	Eastern Bengal.	
68/415 30-3-97		Cast iron with bearings, and leather shields for journals, 9″ × 4½″.	1	3	0	,,	North-Western.	
69/139 8-4-97		Cast steel, with brasses complete, for low sided wagons ...	1	13	6	,,	Eastern Bengal.	
71/109 9-6-97		Cast iron, with brasses complete, to suit journals, 9″ × 4½″	1	4	6	,,	Eastern Bengal.	
77/57 4-12-97		Cast iron, with bearings and leather shields, complete, for journals, 9″ × 4½″	1	2	6	,,	North-Western.	
77/60 4-12-97		Cast steel, with brasses and leather shields, for journals, 9″ × 4½″	1	10	10	,,	East Coast.	

CLASS OF STORES E.--ROLLING STOCK, SUB-HEAD (*b*)--COACHING AND GOODS STOCK; (2)--IRONWORK--*contd.*

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £.	s.	d.	Unit.	For what railway.	Remarks.
68/415 30-3-97	Axle boxes—*concld.*	Cast iron, with leather shields and bearings, complete, for journals						
77/303 24-12-97		9″ × 4½″	1	3	0	Each	North-Western.	
		9″ × 4½″	1	1	5	,,	Bezwada-Madras.	
	Body Ironwork	*Spare part of--*						
69/207 15-4-97		Iron, corrugated, galvanized, for roof, curved to 8′ 6″ radius, 11′ 6″ long before being curved. × 2′ 6″ wide, from centre to centre of outer corrugation and 3″ pitch, ⅜″ depth of corrugation	9	16	8	Ton		
		Iron, corrugated, galvanised, roof curved to 8′ 6″ radius, 11′ 6″ long before being curved × 2′ 9″ wide, out to out, and 3″ pitch and ¾″ depth of corrugation	10	3	4	,,	North-Western.	
75/276 23-10-97		Iron, corrugated, galvanized, for carriage roof 8′ 0″ radius, 11′ 0″ long × 2′ 3″ wide, from centre to centre of outer corrugation and 3″ pitch, 19 S. W. G. thick	15	0	0	,,		
		Iron, corrugated, galvanised for wagons, 10′ 3″ long, by 2′ 3″ wide 3″ pitch of corrugation, 19 S. W. G. thick	11	10	0	,,	East Coast.	
73/132 17-8-97		Iron, corrugated, galvanised for roof, curved to 8′ 6″ radius, 11′ 6″ long, before being curved by 2′ 9″ wide out to out when corrugated, 3″ pitch and ¾″ depth of corrugation; weight 30 oz. per square foot after galvanizing	0	12	4	Each	North-Western.	
72/139 8-7-97		Plates, iron, for cylindrical wagons—						
		4′ 4½″ × 2′ 6″ × 8⅛′	0	6	3	Each.		
		4′ 1½″ × 2′ 3″ × ⅛″	0	5	9	,,	Eastern Bengal.	
		4′ 1½″ × 3′ 0″ × ⅛″	0	7	3	,,		
		Sheets for panels, plain—						
		1′ 3″ × 2′ 6½″ × 12 S. W. G.						
		1′ 10″ × 2′ 6½″ × ,, ...						
		2′ 5″ × 2′ 6½″ × ,, ...						
73/132 17-8-97		2′ 8½″ × 1′ 8½″ × ,, ...						
		3′ 0½″ × 2′ 6½″ × ,, ...						
		3′ 9″ × 2′ 6½″ × 11 ,, ...	18	2	1½	Ton.	North-Western.	
		4′ 6½″ × 2′ 6½″ × 11 ,, ...						
		5′ 10″ × 2′ 8½″ × 12 ,, ...						
		8′ 8″ × 2′ 6½″ × ,, ...						
		8′ 8″ × 3′ 6″ × ,, ...						
		8′ 8″ × 3′ 2″ × 14 ,, ...						
		1′ 3″ × 2′ 6½″ × 12 S. W. G.						
		1′ 10″ × 2′ 6″ × 12 ,, ...						
		2′ 5″ × 2′ 6″ × 12 ,, ...						
69/207 15-4-97		3′ 0½″ × 2′ 6″ × 12 ,, ...						
		4′ 6½″ × 2′ 6″ × 11 ,, ...	17	0	10	,,	North-Western.	
		8′ 8″ × 2′ 6″ × 12 ,, ...						
		8′ 8″ × 3′ 6″ × 12 ,, ...						
		8′ 8″ × 3′ 2″ × 14 ,, ...						
		9′ 0″ × 3′ 6″ × 2½ lbs. per s ft						

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK ; (2)—IRONWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
69/207	Body iron work—*concld.*	9′ 0″ × 3′ 6″ × 4 lbs. per s. foot	17	0	10	Ton.	North-Western.	
		9′ 0″ × 4′ 0″ × 6 „						
		6′ 6″ × 4′ 0″ × 6 „						
		6′ 4½″ × 2′ 6″ × 6 „						
72/139 8-7-97		Sheets for panels, planished No. 16 B. W. G. thick—						
		1′ 3″	0	1	7	Each	Eastern Bengal.	
		1′ 8½″ } 2′ 7½″	0	2	0	„		
		2′ 4½″ }	0	2	10	„		
		4′ 7″ × 2′ 7½″	0	5	1	„		
		2′ 7½″ × 1′ 10″	0	2	5	„		
		4′ 3″ × 2′ 7½″	0	4	4	„		
69/207 15-4-97	Chains, safety ...	Or side, left hand, with eye-bolt and hook	0	17	3	Each	North-Western.	
73/132 17-8-97		Or side, left hand, with eye-bolt and hook	0	18	0	„		

69/207 15-4-97 ...	Couplings, screw ...	With shackles, pins, washers, cotters, &c., complete ...	1	15	9	Each.	North Western.		
73/132 17-8-97 ...		With shackles, pins and cotters, levers and weights, &c. ...	1	17	3	„			
77/292 23-12-97 ...		With screw couplings, shackles and draw bar shackles ...	1	5	9	„	East Coast.		
67/279 26-2-97 ...	Springs ...	*Bearing carriage and wagon*— 12 plates	2	19	6	Each.	Eastern Bengal.		
		11 „ 3½″ × ½″	2	0	9	„			
68/413 30-3-97 ...		9 plates 4″ × ½″	3	3	6	„	North Western.		
		10 „ 4″ × ½″	3	4	6	„			
71/271 17-6-97 ...		12 „	3	10	0	„	Eastern Bengal.		
		11 „ 3½″ × ½″		11	0	„			
76/281 30-11-97 ...		12 plates for bissel trucks, 11 plates 5/16″ × 3½″, top tension plate to be ⅜″ × 3½″	1	16	5	„	East Coast.		
76/281 30-11-97 ...		For coaching stock	3	13	8	„	East Coast.		
		For covered goods and H. S. wagons	2	6	2	„			
77/58 4-12-97 ...		9 plates 4″ × ½″	3	5	0	„	North Western.		
		10 „ 4″ × ½″							
77/286 23 12-97 ...		For underframe 24 feet	2	14	0	„	Oudh and Rohilkhand.	Hurdwar-Dehra Branch.	
		„ 28 feet	3	3	9	„			
		„ 27 feet	3	2	9	„			
		„ 20 feet	2	18	6	„			
		C. G. & L. S. wagons	2	3	9	„			
68/41 4-3-97 ...		Laminated to drawing E. 5730	2	10	0	„	Rae Bareli-Benares.		
		„ to Fig. A. of drawing E. 4719	2	16	0				
		„ to drawing E. 4789	3	3	6	„			
		„ „ E. 5425	2	17	0	„			

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway,	Remarks.
68/105 9-3-97	Springs—*contd.*	Buffer recoil spiral	0	2	4	Each.	Rae Bareli-Benares.	
68/321 25-3-97		,, ,, ...	0	2	8	,,	Eastern Bengal.	
6/414 30-3-97		,, ,, ...	0	2	3	,,	North Western.	
71/504 30-6-97		,, recoil	0	2	3	,,	Eastern Bengal.	
77/283 23-12-97		,, ,, ...	0	2	10	,,	Oudh and Rohilkhand.	
68/321 25-3-97		,, spiral	0	10	11	,,	Eastern Bengal.	
68/414 30-3-97		,, spiral, 9½″ long taper, 6¼ diameter at base, 1⅛″ hole	0	6	0	,,	North Western.	
		,, special, 12″ long, taper, 6¼″ diameter at base, 1⅛″ hole	0	7	6	,,		

68/105	9-3-97	Springs—*contd.*	Buffer volute	0	8	5¾	Each.	Rae Bareli-Benares.	
68/414	30-3-97		Buffer—volute	0	6	3	,,	North Western.	
			,, ,, ...	0	9	2	,,	Rae Bareli-Benares.	
71/504	30-6-97		,, ,, ...	0	8	2	,,	Eastern Bengal.	
77/134	14-12-97		,, ,, ...	0	7	0	,,	North-Western.	
77/283	23-12-97		,, ,, ...	0	8	10	,,	Oudh and Rohilkhand.	
			,, ,, ...	0	8	8	,,		
68/414	30-3-97		Bogie, nest, innermost coil only	0	4	0	,,	North Western.	
68/105	9-3-97		Draw bar spiral	0	9	9¾	,,	Rae Bareli-Benares.	
			,, ...	0	6	6	,,		
68/414	30-3-97		,, 9½″ long, parallel, 5¼″ diameter, 2¼″ hole ...	0	6	6	,,		
			,, 4¾″ long, parallel, 5¼″ diameter, 2¼″ hole ...	0	4	0	,,		
68/414	30 3-97		,, ...	0	8	8	,,	North Western.	
77/134	14-12-97		,, ...	0	7	0	,,		
77/283	23-12 97		,, ...	0	6	9	,,	Oudh and Rohilkhand.	
			,, ...	0	4	6	,,	Bezwada-Madras.	

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
76/282 30-11-97	Springs—*concld.*	Diameter for volute 6¼″ base, 2 1/16″ hole	0	4	6½	Each.	East Coast.	
68/321 25-3-97		Draw hooks, volute „ „	0	7	6	„	Eastern Bengal.	
68/414 30-3-97		„ „ 9½″ long, taper, 6¼″ diameter at base, 2¼″ hole	0	6	3	„	North Western.	
71/504 30-6-97		„ „ volute, minimum weight 35-lbs. ...	0	5	6	„	Eastern Bengal.	
77/283 23-12-97		„ „ „ „ „ „	0	4	6	„	Bezwada-Madras.	
68/321 25-3-97		For safety chains	0	2	8	„	Eastern Bengal.	
71/504 30-6-97		„ „ „	0	4	9	„	Eastern Bengal.	
		Sets Complete—						
		Underframes, with small irons and guards for vehicles :—						
		19 feet 10 inches long	37	14	0	Each		
		24 feet long	36	18	0	„		
		27 feet long	38	1	0	„		
		Buffing gear, spare parts of :—						
		Buffers, wrought iron, complete except springs ...	3	1	1	„		
		Steps foot, Item F. S.	0	8	1	„		
		„ „ F. S. 1	0	8	1	„		
		„ „ F. S. 2	0	6	6	„		
		„ „ F. S. 3	0	6	2	„		
73/132 17-8-97	Underframe ironwork.	Brackets body, wrought iron	0	3	7	„	North Western.	
		„ name board (R. & L.)	0	0	11	„		
		„ parcel racks (ends)	0	0	4½	„		
		„ „ ordinary	0	1	11	„		
		„ „ „	0	2	1	„		
		„ roof net	0	11	8	„		
		„ sun shade, wrought iron	0	1	7	„		
		„ upper berth ends	0	0	4½	„		
		„ „ roof ends	0	1	8	„		
		„ „ (intermediate)	0	1	2	„		
		„ „ sides	0	1	10½	„		
		„ „ „	0	3	8	„		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)— COACHING AND GOODS STOCK; (2)—IRONWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
73/132 17-8-97 ...	Underframe ironwork—*contd.*	Card racks	0	0	10½	Each	North Western.	
		Chains, eye bolt and shackle	0	4	2	,,		
		,, ,, and strap	0	4	6	,,		
		Connecting links and brackets side door to sun shade ...	0	4	1½	,,		
		,, ,, ,, ,, ,, ,, ...	0	2	5½	,,		
		Cord carriers (passenger communication)	0	0	10	,,		
		Frames for upper berths complete	2	18	6	,,		
		Hand rails commode—						
		1′ 6⅜″	0	2	10	,,		
		1′ 6⅜″	0	6	3	,,		
		2′ 0″	0	2	11	,,		
		2′ 0″	0	6	5	,,		
		2′ 6¾″	0	8	3	,,		

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
73/132 17-8-97 ...	Underframe ironwork—*contd.*	Hand rails commode—					North Western.	
		3′ 3⅜″	0	3	7	Each.		
		3′ 8″	0	8	8	,,		
		5′ 11½″	0	9	1	,,		
		13′ 10¾″	0	19	11	,,		
		Knees, wrought iron—						
		5″ × 5″ × 1¼″	0	1	3	,,		
		6″ × 6″ × 1¼″	0	1	5	,,		
		9″ × 6″ × 1¼″	0	1	10	,,		
		6″ × 6″ × 1½″	0	1	7	,,		
		9″ × 9″ × 1½″	0	2	1	,,		
		12″ × 12″ × 1½″	0	2	7½	,,		
		12″ × 8″ × 2″	0	3	1	,,		
		12″ × 12″ × 2″	0	3	5	,,		
		Lamp protectors, wrought iron	0	11	8	,,		
		Roof sticks (T iron), wrought iron...	0	17	6	,,		
		Straps corner, large, wrought iron...	0	3	2	,,		
		,, ,, small ,, ,, ...	0	3	2	,,		
		,, for seat framing, wrought iron	0	4	1	,,		
		,, ,, ,, ,, ,, ,, ...	0	1	6	,,		
		Tanks, water, for lavatories, wrought iron galvanized ...	17	10	0	,,		
		,, ,, ,, ,, ,, ,, ,, ...	16	7	0	,,		
		Tenon pins, wrought iron (7,422 feet)	11	14	7	The lot		
		Washers, bar, upper brth, chain bolt, wrought iron ...	0	1	5	Each.		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (2)—IRONWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
73/132 — 17-8-97	Underframe ironwork—*concld.*	Draw gear, including draw bars, nuts and cotters, spring sockets and washer plates, complete sets for: —						
		19 feet 10 ins. underframes	6	7	6	Set.		
		24 „ 0 ins. „	6	11	8	„	North Western.	
		27 „ 0 ins „						
		Buffing and draw gear, spare parts of: —						
		Buffer casings, with plunger, washers, nuts and cotters complete with rivetted head for coaching and goods stock	2	4	6	„		
77/292 — 23-12-97		Draw bars, with nuts and cotters complete for 3rd class carriages 10′ 4¼″ long from shoulder of hook to face of nut	1	19	1	„	East Coast.	
		Draw bars for 2nd class carriages, 9′ 7⅛″ long from shoulder of hook to face of nut.	1	18	0	Each.		
		Screw, couplings with screw coupling shackles and draw bar shackles with pins.	1	5	9	„		
67/278 — 25-2-97	Wheels with axles	With journals 9″ × 4½″	19	5	0	Pair	Eastern Bengal.	
68/71 — 5-3-97		9″ × 4″	18	0	0	„	Rae Bareli-Benares.	
69/80 — 6-4-97		9″ × 4½″	18	0	0	„	North Western.	
		9″ × 4½	18	7	6	„	Rae Bareli-Benares.	
72/173 — 10-7-97		9″ × 4½″	24	0	0	„	Eastern Bengal.	
74/130 — 9-9-97		9″ × 4¼″	19	8	8	„	North Western.	
75/109 — 12-10-97		9″ × 4½″	18	17	6	„		
		9″ × 4″	18	5	0	„	Oudh and Rohilkhand.	
		9″ × 4½ without tyres	10	10	0	„		

METRE AND OTHER GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		Cast steel—						
67 / 311 — 27-2-97	Axle boxes ...	With brasses complete for bogie goods wagons ...	0	16	3	Each.	Cooch Behar.	
68 / 72 — 5-3-97		With brasses, complete, for carriages and covered goods wagons	0	16	0	,,		
71 / 109 — 9-6-97		Cast-iron, with brasses complete to suit 7″ × 3½″ journals ...	0	16	3	,,		
77 / 303 — 24-12-97		Cast iron, with brasses, complete	0	14	3	,,	Eastern Bengal.	
66 / 39 — 2-1-97		Cast iron, with brasses complete	0	15	3	,,		
71 / 109 — 9-6-97		Brasses for axleboxes for wagons standard pattern 6⅜″ long	0	4	10	,,		
71 / 232 — 16-6-97		*Complete sets—*						
77 / 52 — 3-12-97		Body, steel, and ironwork, complete, for covered goods wagons, 18 feet long	40	6	9	Set.		
		Body, steel, and ironwork, complete, for covered goods wagons, 18 feet long	34	0	0	,,		
73 / 212 — 24-8-97		*Spare parts of—* Iron, corrugated, galvanised sheets	11	17	6	Ton		
	Body, ironwork ...	Iron corrugated, galvanised, for carriage roofs, curved to a radius 12′ 9″ to cover a width of 2′ 3″, pitch of corrugation 3″ and ¾″ deep No. 20 B. W. G.	0	5	3	Each.	Eastern Bengal.	
72 / 139 — 8-7-97		Iron sheet for pannels planished, 8′ 10″ × 2′ 7″ × 16 B. W. G.	0	9	2	,,		
73 / 212 — 24-8-97		Plates bottom galvanised, 7′ 6″ × 4′ 6″ × ¼″ for bogie wagons	2	13	6	,,		
		Galvanised wrought iron, or steel tanks	7	17	6	,,		
67 / 279 — 26-2-97	Springs	Bearing, with eyes for C. G. bogie wagons	1	8	10	Each	Cooch Behar.	
68 / 41 — 4-3-97		Bearing 7 plates, complete, for iron covered goods wagons	0	18	4	,,		
		,, ,, ,, ,, ,, ,,	1	0	10	,,		
		,, 9 ,, ,, standard pattern for composite 1st and 2nd class carriages	2	0	5	,,	Eastern Bengal.	
		Bearing, 7 plates, complete, standard pattern for composite 1st and 2nd class carriages.	1	14	3	,,		
71 / 271 — 17-6-97		,, 9 ,, ,, ,, ,, ,, ...	2	3	9	,,		
		,, 7 ,, ,, ,, for wagons ...	1	5	0	,,		
		,, 8 ,, ,, ,, for carriages ...	2	12	6	,,	Jorhat	2′ 6″ gauge.
68 / 105 — 9-3-97		Buffer and draw volute for composite carriages ...	0	5	5½	,,	Eastern Bengal.	
		,, ,, ,, inter, etc.. carriages and covered goods wagons.	0	5	10	,,		
71 / 504 — 30-6-97		Volute for Jone's type carriage and wagon buffers ...	0	4	9½	,,	Eastern Bengal.	
		,, for covered goods wagons	0	5	1	,,		
68 / 232 — 18-3-97		Buffer, spiral, for carriages and wagons	0	4	0	,,	Cooch Behar.	2′ 6″gauge.
71 / 504 — 30-6-97		,, ,, ,, ,, ...	0	3	9½	,,	Kaunia-Dhurla.	,,
		Bogie spiral to drawing E. 5933	0	8	9	,,	Jorhat.	,,
74 / 247 — 18-9-97		,, ,, ,, ,, ...	0	10	10	,,	,,	,,
71 / 399 — 25-6-97	Tyres ...	Steel for carriage and wagon wheels	1	14	0	,,	Eastern Bengal.	
		,, ,, ,, ,, ...	1	7	9	,,	Kaunia-Dhurla	2′ 6″ gauge.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (2)—IRONWORK—*contd.*

METRE AND OTHER GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s	d.	Unit.	For what railway.	Remarks.
71/232 16-6-97	Underframe, ironwork ...	*Sets complete*— Underframe, and underframe steel and ironwork, complete with brake gear for covered goods wagon, 18 feet long	31	15	9	Set		
77/52 3-12-97		Underframe, and underframe and steel and ironwork, complete, with brake gear for one covered goods wagon, 18 feet long	29	0	0	„		
		Spare parts of—						
72/139 8-7-97		Bolts iron for coupling hooks with nuts, washers and pins complete, for Jone's patent buffers	0	3	1	„	Eastern Bengal.	
71/232 16-6-97		Buffing and draw gear complete, Jones' patent wagon type	7	2	6	„		
77/52 3-12-97		„ „ „ „ „ ...	8	0	0	„		
67/163 15-2-97	Wheels and axles.	For carriages and wagons (cast-steel)	4	19	3	Pair	Cooch Behar.	2′ 6″ gauge.
68/71 5-3-97		2′ 4″ diameter wheel and 7″ × 3½″ journal ...	9	9	3	„	Eastern Bengal.	
		With flangeless tyres	11	15	0	„		
72/173 10-7-97	Wheels and axles—*concld.*	2′ 4″ diameter wheel and 7″ × 3½″ journals ...	13	16	9	Pair	Eastern Bengal.	
69/176 10-4-97		Cast steel, with wrought steel axles for 1 ton wagons...	1	13	6	„	Dandot Colliery.	2 feet gauge.
72/49 3-7-97	Wheels without axle	For carriage and wagons	1	3	6	Each	Kaunia-Dharla ...	2′ 6″ gauge.
72/173 10-7-97		For light trollies	2	5	0	„	Eastern Bengal.	
74/11 1-9-97		Cast steel, bogie, trailing	2	15	0	„	Jorhat.	

CLASS E.

ROLLING STOCK.

(*b*).—COACHING AND GOODS STOCK.

(3).—Vacuum Automatic Brake gear and rigging.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (3)—VACUUM AUTOMATIC BRAKE GEAR AND RIGGING.

5′ 6″ AND METRE GAUGE.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £.	s.	d.	Unit.	For what railway.	Remarks.
77/296 24-12-97	Vacuum automatic brake gear and rigging.	Sets complete for 4-wheeled carriages	33	1	10	Set	Eastern Bengal ...	For detail and cost, of brake gear, see Appendices B & C.
		Sets complete 4-wheeled for brake vans, 20 feet steel, underframe.	39	14	4	„		
73/246 26-8-97		Complete, with piping swan necks hoses, India rubber parts, couplings and connections, but without rigging for vehicles, 24 feet 6 inches long	17	10	0	„	North Western ...	For detail of cost see Appendix A.

5′ 6″ AND METRE GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		Spare parts of—						
71/348 21-6-97	Vacuum automatic brake gear and rigging—*concld.*	Balls, brass, for ball valves	0	1	0	Each.	Eastern Bengal.	
		Coupling, universal	0	3	9	„		
		Cylinders with pistons for carriages 15′	10	10	0	„		
		Handles pull for vacuum brake communication between passengers, guards and drivers	0	9	6	„		
		Pulleys, split, with copper chains, etc., for do. do. ...	0	14	6	„		
		Gauges, vacuum, single, brass, for brake van	1	10	0	„		
73/246 26-8-97		Pipes, hose, with universal couplings, 27″ long × 2″ diameter	0	10	0	„	Oudh and Rohilkhand.	
		„ „ „ „ „ 18″ long × 2″ diameter	0	8	6	„		
		„ „ with ball couplings 18″ long × 1″ diameter	0	14	3	„		
		„ „ „ „ „ 18″ × ¾″ × ½″ at one end	0	3	3	„		

CLASS E.

ROLLING STOCK.

(*b*).—COACHING AND GOODS STOCK.

(4).—Metallic and other Fittings.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (4) METALLIC AND OTHER FITTINGS.

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
76/223 — 24-11-97	Basins	Washing, iron, enamelled, with gun metal nut and socket, India rubber washer and iron pipe	1	3	6	Each.	North Western.	
		Washing, porcelain, 19½″ with monogram, fitted with pipes, rubber plugs and brass chain complete	1	0	0	„	Eastern Bengal.	
71/423 — 26-6-97		Washing, porcelain, 22″ with monogram, fitted with pipes, rubber plugs and brass chains complete	1	4	6	„		
		Corner, wash hand porcelain and chains complete for carriages	1	4	0	„		
70/92 — 8-5-97	Bolts	Brass barrel ⅜″ × 6″	0	1	3	Each.	North Western.	
		With plates iron shoot, 7½″ long	0	0	6	„		
76/223 — 24-11-97		Shoot, lavatory, door, wrought iron	0	1	2	„		
71/369 — 23-6-97	Commodes	Iron, enamelled, with lids and hinges complete with stamped steel tops, enamelled.	3	13	0	Each.	Eastern Bengal.	
76/223 — 24-11-97		Pots, iron, enamelled, white inside, with pressed steel tops, complete with wooden tops and lids	3	12	6	„	North Western.	
71/366 — 23-6-97	Escutcheons	Brass for carriage door locks	0	0	0½	Each.	Eastern Bengal.	
76/223 — 24-11-97		Door, lock, gunmetal	0	0	3	„	North Western.	

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (4) METALLIC AND OTHER FITTINGS—*contd.*

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on Board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
70/92 — 8-5-97	Eyelets ...	Brass for leather windows straps with washers, ⅜″ hole ...	0	0	0½	Each.	North Western.	
		Plate, British polished $\frac{3}{16}$″ thick—						
69/158 — 10-4-97		Clear 20″ × 15½	0	2	6	„	Eastern Bengal.	
69/159 — 10-4-97		„ 20″ × 19	0	2	10¼	„	North-Western.	
		„ 21″ × 18	0	2	10	„		
72/271 — 19-7-97		„ 21″ × 19½	0	3	0	„	Eastern Bengal.	
		„ 21″ × 14½	0	2	3¼	„		
69/159 — 10-4-97	Glass ...	„ 22″ × 13	0	2	1¾	„	Rae Bareli-Benares.	
		„ 22″ × 14	0	2	2¾	„	Eastern Bengal.	
72/271 — 19-7-97		„ 22″ × 14	0	2	3¾	„	Rae Bareli-Benares.	
		„ 22″ × 18	0	2	11¾	„	North Western.	
		„ 24″ × 20	0	3	7¼	„	North Western.	
69/159 — 10-4-97		„ 24½″ × 6½	0	1	3¾	„	Rai Bareli-Benares.	
		„ 24½″ × 18½	0	3	6¾	„		
		Plates, British polished plate—						
69/158 — 10-4-97		Ground—20″ × 18″	0	2	9¾	„	Eastern Bengal.	
69/159 — 10-4-97		„ 22″ × 13½″ } $\frac{3}{16}$″ thick...	0	2	3¾	„	Rae Bareli-Benares.	
		„ 22″ × 19½″ }	0	3	3½	„		
69/51 — 3-4-97		Neutral tinted 20″ × 17″ } × $\frac{3}{16}$″ thick	0	6	6	„	Rae Bareli-Benares.	
		„ 22″ × 19½″ }	0	8	4	„		
	Glass—*concld* ...							
66/212 — 18-1-97		Silvered 18″ × 14″ × ¼″ }	0	3	0½	„	North-Western.	
69/158 — 10-4-97		„ 18″ × 18″ × ¼ } for looking glasses without frames.	0	2	9	„	Eastern Bengal.	
		„ 16″ × 12″ × ¼″ }	0	1	6	„		
71/366 — 23-6-97	Handles ...	Brass, carriage door with locks and plates complete, left-hand side.	0	2	7	Each.	Eastern Bengal.	
		Bar, sliding door, gunmetal	0	5	6	„	North-Western.	
		Lavatory „ „	0	1	0	„		
76/223 — 24-11-97		Side door, left-hand gunmetal, with lock and plate complete	0	2	9	„		
		Side door, right-hand „ „ „ „	0	2	9	„		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (4)—METALLIC AND OTHER FITTINGS—*contd.*

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
69/142 9-4-97		Lavatory door, gun metal	0	0	5½	Each.	North-Western.	
70/92 8-5-97		Brass for carriage doors 2¾″ × 2″	0	0	10½	„		
		Brass, butt for bath room doors 2½″ × 1″	0	0	6	„		
		Brass for sun shades 2″ × 2″	0	0	9	„		
71/366 23-6-97	Hinges ...	Brass for side doors 3½″ × 2¾″	0	1	6	„	Eastern Bengal.	
		„ „ „ 2½″ × 2″ for 3rd class carriage ...	0	0	10	„		
		Back rest, wrought iron	0	1	2	„		
		Lavatory door, gunmetal	0	0	7	„		
		Seat, rifle rack, wrought iron	0	0	2¾	„		
		Side door, gunmetal	0	10	3	Dozen.	North-Western.	
76/223 24-11-97		Sun shade, wrought iron	0	2	8	„		
		Upper berth, wrought iron	0	1	2½	Each.		
		With ring for lamp shade, wrought iron	0	4	2	„		

69/142 9-4-97		Hat and coat	0	0	2½	Each		
		Catch, for lavatory door, gun metal	0	1	3	„		
76/223 24-11-97	Hooks ...	Coat, malleable, cast iron	0	0	1	„	North-Western.	
		Hat and coat, malleable cast iron	0	0	2½	„		
		Securing upper berth, wrought iron	0	1	2	„		
		Upper berth	0	0	1½	„		
68/280 23-3-97	Lamp rings ...	For carriage roof, gunmetal	0	2	0	Each.	East Coast.	
76/223 24-11-97		„ „ „	0	1	10	„	North-Western.	
68/280 23-3-97	Lamp protectors ...	For carriage roof, iron	0	12	6	Each.	East Coast.	
76/223 24-11-97	Latches ...	Side door, malleable, cast iron	0	0	9½	Each.	North-Western.	
76/223 24-11-97	Lifts ...	Finger, gunmetal	0	0	4½	Each.	North-Western.	
		„ „	0	0	3½	„		
71/375 24-6-97		„ „	0	3	9	Dozen.		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)— COACHING AND GOODS STOCK ; (4)—METALLIC AND OTHER FITTINGS—*contd.*

ALL GAUGES.

Contracted for in 1897.

Contract number and date	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
70/92 8-5-97	Locks ...	Pulpit, brass, with handles and plates complete ...	0	6	0	Each.	North-Western.	
71/366 23-6-96		Iron, private for carriage, doors with plates	0	0	3½	„	Eastern Bengal.	
76/223 24-11-97		Private, and striking plate, wrought iron	0	0	4½	„	North-Western.	
		And plate for lavatory door, gunmetal	0	3	0	„		
76/114 11-11-97	Pans ...	Floor, iron, enamelled, for intermediate and 3rd class carriages.	1	1	0	Each.	North-Western.	
76/223 24-11-97		Ditto ditto ditto ditto ...	1	1	0	„		
70/113 12-5-97	Paper transfers ...	Black letters—					Eastern Bengal.	
		"Third" in English and Bengali	0	0	2	Each.		
		"Each bench to seat 5," in English and Bengali ...	0	0	2½	„		
		"E. B. S. R."	0	0	1½	„		
		White letters—						
		"Intermediate," in English and Bengali... ...	0	0	6	„		
		"Each bench to seat 5," in English and Bengali ...	0	0	4	„		
		"E. B. S. R."	0	0	2½	„		
		Black figures—						
		1 to 0, 10 in a set	0	0	4	Set.		
		White figures—						
		1 to 0, 10 in a set	0	0	6	„		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (4)—METALLIC AND OTHER FITTINGS—*contd.*

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
70/113 — 12-5-97	Paper transfers—*concld.*	"First"	0	0	4	Each.	Eastern Bengal.	
		"Second"	0	0	4½	„		
		Figures for 1st and 2nd class carriages in white ground—						
		1 to 0, 10 in a set	0	1	0	Set of 10		
		"Brake-van"	0	0	6	Each.		
		Monograms for carriages	0	1	6	„		
76/223 — 24-11-97	Pipes ...	For lavatories, wrought iron, galvanized—						
		½" bore	0	0	1½	Foot.	North-Western.	
		¾" „	0	0	2	„		
		Elbows ½", bore for—	0	0	3	Each.		
		Tees ½" „	0	0	3	„		
70/92 — 8-5-97	Plates ...	Brass, fence, plain, for windows	0	0	1¼	Each.	North-Western.	
		„ „ angle „	0	0	1½	„		
69/142 — 9-4-97		Fence, plain, zinc	0	0	1½	„		
		Lap, angle, brass	0	0	2½	„		
76/223 — 24-11-97.		Fence, plain, W.I.	0	0	4½	Doz.	North-Western.	
		„ „ zinc	0	0	2½	Each		
		Lap, angle, brass	0	0	2½	Foot		
		Sill chequered, malleable, C. I.	0	1	4	Each		
		„ „ „	0	0	10	„		
		Striking, door, lock, W. I.	0	0	2½	„		
		„ „ „	0	0	1½	„		
		Tee, W. I.	0	0	3½	„		
74/336 — 25-9-97.	Plugs ...	For washhand basins, with chain—						
		¾" diameter	0	8	6	Doz.	North-Western.	
		15/16" „	0	9	0	„		
76/223 — 24-11-97	Rollers ...	For sliding door, gunmetal	0	2	9	Each	North-Western.	
74/336 — 25-9-97	Rubbers ...	Spare for plugs for wash hand basins—						
		¾" diameter	0	1	10½	Doz.		
		15/16" „	0	2	6	„		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (4)—METALLIC AND OTHER FITTINGS.

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
72/475 — 31-7-97	Shields ...	Large, with new coat of arms for saloon carriage of His Highness the Nawab of Rampur.	9	0	0	Each	Bareilly-Rampur-Moradabad.	
		Small, with new coat of arms for saloon carriage of His Highness the Nawab of Rampur.	3	15	0	„		
71/366 — 23-6-97	Staples ...	Brass, for door stops	0	1	0	Each	North-Western.	
76/223 — 24-11-97		Brass, for leather door stops	0	0	2¼	„		
		For side door handles, malleable, cast iron ...	0	0	4½	„	Eastern Bengal.	
76/223 — 24-11-97	Taps ...	Water for lavatories, W. I.	0	4	0	Each	North-Western.	
69/142 — 9-4-97	Unions ...	Tank, water, for lavatories, gunmetal	0	2	6	Each	North-Western.	
		„ „ „ „	0	3	6	„		
76/223 — 24-11-97		„ „ „ „	0	2	10	„		
		„ „ „ „	0	5	10	„		
76/223 — 24-11-97	Washers ...	Plate window strap, gunmetal	0	0	2	Each	North-Western.	
		„ ventilator strap, gunmetal	0	0	2	„		

CLASS E.

ROLLING STOCK.

(*b*).—COACHING AND GOODS STOCK.

(5).—India-rubber Fittings.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (5)—INDIA-RUBBER FITTINGS.

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on Board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		India-rubber, Spencer and Attock's patent, vulcanized, for carriage bodies—						
68/107 9-3-97	Blocks ...	7″ × 3″ × 1″ with $\frac{5}{16}$″ diameter, hole at centre ...	0	2	7	Each	Rae Bareli-Benares.	
71/466 28-6-97		7″ × 3″ × 1″ „ „ „ „ „ ...	0	2	3	„	Eastern Bengal.	
68/107 9-3-97		6″ × 2½″ × 1″ with hole for ¾″ bolt at centre ...	0	1	11	„	„ „	
68/107 9-3-97	Cushions ...	India-rubber, for window sashes	1	0	0	Per 100	Rae Bareli-Benares.	
		Ditto Spencer and Attock's patent, v aniz	2	3	9	„	Eastern Bengal.	
		Ditto ditto ditto ...	1	19	7	„		
71/466 28-6-97		Ditto ditto ditto ...	1	19	7	„		

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (5)—INDIA-RUBBER FITTINGS—*concld.*

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on Board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
71/466 28-6-97	Discs ...	Rubber	0	2	6	Each.	Jorhat.	
68/107 9-3-97	Springs ...	India-rubber, for window sashes, to prevent rattling ...	0	16	8	Per cent.	Eastern Bengal.	
71/466 28-6-97		Ditto ditto ditto ...	0	12	6	„		

54

CLASS E.

ROLLING STOCK.

(*b*).—COACHING AND GOODS STOCK.

(6).—Trimmings.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (6)—TRIMMINGS.

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
74/236 18-9-97	Blinds adjustable	For carriage windows in dark brown figured silk, 2′ 4″ long—						
		2′ 0″, 1′ 11″, 1′ 10″ and 2′ 0½″ wide respectively, between brackets.	1	2	0	Each	Oudh and Rohilkhand.	The blinds to be fixed on rollers with brass brackets and studs, leather bound at the end with brass eyelet.
69/137 8-4-97	Buttons ...	Leather, enamelled, maroon, in one gross packets ...	0	0	7½	Gross	Rae Bareli-Benares.	
68/314 24-3-97	Carriage seats ...	Railway, patent spring wire 6′ 6″ long and 22″ „ ...	1	8	4	Each	North-Western.	
69/187 14-4-97		„ „ „ 6′ 8″ long and 24″ wide ...	1	11	0	„		
68/314 24-3-97		„ „ „ 6′ 6″ long and 26″ „ ...	1	12	8	„		

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
69/40 2-4-97	Cloth ...	Baize, green, 36″ wide, 7½ oz. per yard, suitable for lamp shades.	0	1	7½	Yard	Rae Bareli-Benares.	
66/150 11-1-97		Canvas, common, No. 1, 24″ wide, without stripes, in bolts of 39 yards.	1	10	7½	Bolt	North-Western.	
69/284 17-4-97		Canvas, duck, 54″ wide	0	0	8	Yard	North-Western.	
		Canvas prepared for outside roofing—						
67/97 9-2-97		19′ 6″ long × 9′ 0″ wide	1	16	9	Piece	Eastern Bengal.	
77/307 24-12-97		20′ 3″ long × 9′ 8″ wide	2	7	0	,,	North-Western.	
69/290 22-4-97		21′ 6″ long × 10′ 0″ wide	2	4	9	,,	Rae Bareli-Benares.	
70/06 22-5-97		24′ 0″ long × 10′ 6″ wide	2	15	9	,,	Eastern Bengal.	
377/307 24-12-97		24′ 10″ long × 9′ 8″ wide	2	7	9	,,	North-Western.	
66/189 15-1-97		25′ 0″ long × 8′ 0″ ,, ...	1	6	9	,,	Eastern Bengal.	For inner roofing or ceiling cloth (flexible).

69/290 22-4-97 ...	Cloth—*contd.*	Canvas, prepared for outside roofing— 25′ 0″ long × 10′ 0″ ,, ...	2	11	9	Piece	Rae Bareli-Benares.	
66/310 25-1-97 ...		25′ 6″ ,, × 8′ 9″ ,, ...	2	13	0	,,	Eastern Bengal.	
77/307 24-12-97...		25′ 6″ ,, × 9′ 8″ ,, ...	2	19	3	,,	North-Western.	
69/290 22-4-97 ...		26′ 0″ ,, × 10′ 0″ ,, ...	2	13	9	,,	Rae Bareli-Benares.	
77/307 24-12-97		26′ 6″ ,, × 10′ 10″ ,, ...	3	9	3	,,	North-Western.	
		27′ 9″ ,, × 9′ 8″ ,, ...	3	4	6	,,		
		28′ 0″ long × 9′ 8″ wide	2	16	0	,,		
69/290 22-4-97 ...		28′ 0″ ,, × 10′ 10″ ,, ...	3	2	9	,,		
		28′ 6″ ,, × 10′ 0″ ,, ...	2	19	3	,,	Rae Bareli-Benares.	
77/307 24 12-97 ...		28′ 10″ ,, × 9′ 8″ ,, ...	3	7	0	,,	North-Western.	
		29′ 0″ ,, × 10′ 6″ ,, ...	3	7	9	,,	Eastern Bengal.	
70/306 22-5-97 ...		29′ 0″ ,, × 10′ 0″ ,, ...	3	4	3	,,		
		30 0″ ,, × 10′ 0″ ,, ...	3	2	3	,,	Rae Bareli-Benares.	
69/290 22-4-97 ...		Floor, standard pattern— 3′ 0″ wide × 20 yards long	0	2	11½	lin. yard.		
69/157 10-4-97 ...		6′ 6″ × 9 yards	0	6	8	,,	Eastern Bengal.	
		8′ 6″ × 25 yards	0	8	3	,,		

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
73 / 119 — 16-8-97	Cloth—*contd.*	Floor standard pattern—*contd* 8′ 6″ wide in rolls of 50 feet	0	2	5	Sq. yard.	North-Western.	
70 / 306 — 22-5-97		8′ 6″ „ ×12 yards long	0	9	9	linyard	Eastern Bengal	
69 / 290 — 22-4-97		9′ 0″ „ ×23½ yards long	0	9	1	Yard	Rai Bareli-Benares.	
66 / 310 — 25-1-97		9′ 0″ „ ×6′ 9″	0	18	6	Piece	Eastern Bengal.	
69 / 97 — 7-4-97		Leather, vulcan, maroon, pattern No. 99, about 36″ wide	0	5	6	Yard	North-Western.	In rolls of 50 yards.
69 / 293 — 22-4-97		„ „ „ „ 75, „ 35″ „ for carriage cushions.	0	5	6	„	Eastern Bengal.	
69 / 52 — 3-4-97		Linen, black, 32″ wide, 6 oz. per yard	0		4½	„	Rae Bareli-Benares.	
69 / 44 — 9-4-97		Rep, brown, 52″ wide	0	2	3	„	Eastern Bengal.	
74 / 303 — 24-9-97		Rib, French, drab, for carriage cushions	0	2	2½	„	North Western.	
66 / 187 — 15-1-97	Cord	Silk, green, as used in making silk netting	0	0	5/16	„	North-Western.	
69 / 218 — 15-4-97	Horse hair	Curled and coiled. English manufacture	0	1	6	lb.	North-Western.	
69 / 156 — 10-4-97	Lifts	Leather 4½″ long for bath room windows, neatly covered with maroon coloured morocco leather, sewn all round	0	1	2	Each	Rae Bareli-Benares.	
69 / 98 — 7-4-97	Logline	Seaming, cord, in 1 lb. balls	0	0	6½	lb.	Rae Bareli-Benares.	
75 / 341 — 29-10-97	Lincrusta materials	For the panels as detailed in Appendix D, page 64 with:— Lincrusta border, 2″ wide 1, yards 1,940 „ material 1′ 6″ „ „ 1,040 „ Lamphole pieces No. 112	120	0	0	Lot	Oudh and Rohilkhand.	
69 / 137 — 8-4-97	Gimp	Green scroll ½″ silk	0	0	2¾	Yard	North-Western.	
69 / 360 — 26-4-90	Nails	Clout ⅜″ long, wrought	2	15	0	Cwt.	Rae Bareli-Benares.	
66 / 187 — 15-1-97	Netting	Silk, cord, green, 7″ wide, 1″ mesh, 50 yards long	0	0	9	Yard	North-Western.	
		„ maroon, 14′ wide, 1″ mesh, for hat rack, 66 yards long	0	1	6	„	Eastern Bengal.	
69 / 137 — 8-4-97		Silk, cord, 10″ wide, 1″ mesh, in lengths of 50 yards, crimson and green	0	1	0½	„	North-Western.	
		Silk cord, 12″ wide, 1″ mesh, in lengths of 55 yards, maroon colour	0	1	3	„	Rai Bareli-Benares.	
70 / 149 — 13-5-97		Silk, maroon, for carriage, 10″ wide, 1″ mesh	0	0	4½	„	Eastern Bengal.	
69 / 137 — 8-4-97	Pins	Gimp, maroon ⅜″ long, in ½ lb. packets	0	1	0	lb.	North-Western.	
66 / 62 — 5-1-97	Skins	Buffalo, enamelled morocco, French, grained, maroon, to average 52 sq. feet each.	0	1	1¾	Sq. foot.	North-Western.	

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (6)—TRIMMINGS—*concld.*

ALL GAUGES.

Contracted for in 1897.

Contract number and date	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
69/156 10-4-97	Straps, leather	*Neatly coverd with maroon coloured morocco leather, sewn all round.*						
		2′ 8″ long, with 2 brass eyelets each, for windows	0	4	0	Each	Rae Bareli-Benares.	
		2′ 8″ long, for bath room windows	0	2	6	,,	,,	
		0′ 10″ long, for top windows	0	1	3	,,	,,	
69/360 26-4-97	Tacks	½″ long, fine cwt. timmed	1	6	0	Cwt.	Rae Bareli-Benares.	
		¾″ do. do.	1	4	0	,,	,,	
69/98 7-4-97	Twine	In ½ lb. balls and 3 lb. papers	0	1	0	lb.	Rae Bareli-Benares.	

Appendix A.

Detail price list showing Vacuum Automatic Brake Parts included in India Office contract No. 73—246, dated 26th August 1897, for the North-Western Railway.

Quantity per set.	Description.	F. O. B., England.
		£ s. d.
	33 sets for vehicles 24′ 2″ long	.....
1	18″ Combined Cylinder with ball valve complete ...	12 3 3
1	Transit screw for ditto	0 1 6
2	2″ Dummies with carriers 6*s* each	0 12 0
1	Rapid acting valve cap	0 15 6
1 pair	2″ × 27″ Hose and "C" couplings	1 0 0
1	¾″ × 24″ cylinder hose pipe	0 4 9
2	2″ C. I. Bends 4*s* each	0 8 0
2	2″ Hose clips 1*s* each	0 2 0
2	¾″ ,, ,, 9d. ,, ...	0 1 6
1	2″ Tee piece	0 1 6
26 feet	About 2″ pipe made up into set	2 0 0
	Net price per set	17 10 0

Appendix B.

Schedule of Brake Rigging, etc., for vacuum automatic Brake as per contract No. 77-296, dated 24th December 1897, for the Eastern Bengal State Railway.

Number per set.	Description.	Rate each	Total.
		£ s. d.	£ s. d.
1	Shaft, crank, with brackets, etc., complete ...	5 0 0	5 0 0
2	Bracket, W. I., cylinder...	0 7 3	0 14 6
8	Hanger brake block with bracket, etc., complete...	0 4 0	1 12 0
4	Bar, crank, for pull rod	0 1 6	0 6 0
2	Bar, centre, connecting	0 2 3	0 4 6
4	Hanger, middle	0 1 6	0 6 0
4	„ „	0 3 0	0 12 0
4	Bar, truss, for brake blocks with grover, washers, etc., complete.	1 5 0	5 0 0
12	Pins	0 0 6	0 6 0
8	Blocks, C. I., brake	0 2 9	1 2 0
4	Bolts, hanger	0 2 4	0 9 4
4	Clips, train pipe	0 0 6	0 2 0
1	Crank, hand brake	0 10 0	0 10 0
1	Bracket, hand brake	0 12 6	0 12 6
1	Pull rod ends	0 15 0	0 15 0
1	Nut, check	0 1 0	0 1 0
2	Pull rod ends	0 4 0	0 8 0
	Total		17 19 10

Appendix C.

Detail Price list of vacuum automatic Brake Material as per contract No. 77—296, dated 24th December 1897, for the Eastern Bengal Railway.

Per set.	Description.	Rate each.	F. O. B.
			£ s. d.
63 sets.	*For 4 wheeled carriages, each set consisting of—*		
1	18 combined cylinder with transit screws and ball valves complete.	...	12 4 9
2	Hose pipes for train pipes	6s.	0 12 0
2	Universal couplings with rubber washers ...	4s.	0 8 0
1	Hose pipe to brake cylinder ¾″ × 24″	...	0 4 9
1	Socket T., cast iron, from train pipe to cylinder ...	...	0 17 0
4	Clips for 2″ hose	1s.	0 4 0
2	„ „ ¾″ „	6d	0 1 0
2	Coupling plug hangers	3s.	0 6 0
2	„ „ C. I.	3s.	0 6 0
2	Necks, C. I., for hose train pipe	3s. 6d.	0 7 0
1	Train pipe 28′—1′ joined with socket in two lengths, if not available in one length, screw threads 11 per inch, cut on one end only.	...	1 8 0
1 set.	Brake Rigging as per Messrs. Stableford's offer ...	...	16 3 4
	Net price per set ...	£	33 1 10
6 sets.	*For brake vans, each set consisting of—*		
1 set.	As for the 4 wheeled carriages, all except train pipe and brake rigging.	...	15 10 6
1	Vacuum gauge	...	1 10 0
1	Guards van value	...	3 10 0
1	Socket T. for train pipe	...	0 1 6
1	„ elbow „	...	0 1 6
1	Train pipe 20′ 0″ long	...	1 0 0
1 set.	Brake Rigging as per Messrs. Stableford's offer ...	...	18 0 10
	Net price per set ...	£	39 14 4

Appendix D.

Panels for which the lincrusta materials were supplied under Contract No. $\frac{75}{341}$ of 29th October 1898.

Dimensions and numbers of panels for Carriage roofs lamps holes when specified to be in the centre of the panels.

Item No.				No.
38	8′ 7″ × 2′ 5½″	with lamp hole	For reserved carriage No. 1	1
	8′ 7″ × 2′ 0½″	,, ,, ,,		2
	8′ 7″ × 2′ 0½″	without lamp hole		2
	8′ 7″ × 2′ 3″			1
	8′ 7″ × 1′ 11½″			1
39	8′ 8″ × 2′ 1″	with lamp hole	,, ,, ,, ,, 2	1
	8′ 8″ × 2′ 1″	without ,, ,,		1
	8′ 8″ × 1′ 11½″	,, ,, ,,		1
	8′ 8″ × 1′ 11½″	with ,, ,,		1
40	8′ 5″ × 2′ 2″	with lamp hole	,, ,, ,, ,, 4	1
	8′ 5″ × 2′ 0″	,, ,, ,,		1
	8′ 5″ × 2′ 0″			1
	8′ 5″ × 1′ 11½″	without lamp hole		1
	8′ 5″ × 1′ 10½″			1
	8′ 5″ × 1′ 9″			1
41	8′ 8″ × 2′ 0″	with lamp hole	,, ,, ,, ,, 4	2
	8′ 8″ × 2′ 0″	without ,, ,,		4
42	8′ 9″ × 2′ 9″	with lamp hole	,, ,, ,, ,, 15	1
	8′ 9″ × 3′ 9¾″			1
	8′ 9″ × 3′ 9″			1
	8′ 9″ × 3′ 8½″			1
	8′ 9″ × 2′ 7″			1
	8′ 9″ × 2′ 7″	without ,, ,,		1
43	8′ 8″ × 2′ 1″	with lamp hole	For 1st class carriage	10
	8′ 8″ × 2′ 1″	without ,, ,,		10
	8′ 8″ × 2′ 9″	with ,, ,,		10
	8′ 8″ × 2′ 4½″	without ,, ,,		10
44	8′ 8″ × 2′ 5″	without lamp hole	,, ,, ,, ,,	14
	8′ 8″ × 2′ 1″	,, ,, ,,		28
	8′ 8″ × 2 0½″	with ,, ,,		14
45	8′ 5½″ × 1′ 9″	without lamp hole	,, ,, ,, ,,	8
	8′ 5½″ × 2′ 1″			8
	8′ 5½″ × 1′ 11½″	with ,, ,,		8
	8′ 5½″ × 1′ 11″			16
46	8′ 8″ × 2′ 1″	with lamp hole	For composite class carriage	36
	8′ 8″ × 2′ 1″	without ,, ,,		18
	8′ 8″ × 2′ 8″			18
47	8′ 8″ × 2′ 5″	without lamp hole	,, ,, ,, ,,	4
	8′ 8″ × 2′ 1″	,, ,, ,,		8
	8′ 8″ × 2′ 0½″	with ,, ,,		4

Department.

CLASS OF STORES E.—ROLLING STOCK, SUB-HEAD (*b*)—COACHING AND GOODS STOCK; (6)—TRIMMINGS—*contd.*

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
69/40 2-4-97		Baize, green, 36″ wide, 7½ oz. per yard, suitable for lamp shades.	0	1	7½	Yard	Rae Bareli-Benares.	
66/150 11-1-97		Canvas, common, No. 1, 24″ wide, without stripes, in bolts of 39 yards.	1	10	7½	Bolt	North-Western	
69/284 17-4-97		Canvas, duck, 54″ wide	0	0	8	Yard		
	Cloth ...	Canvas prepared for outside roofing—						
67/97 9-2-97		19′ 6″ long × 9′ 0″ wide	1	16	9	Piece	Eastern Bengal.	
77/307 24-12-97		20′ 3″ long × 9′ 8″ wide	2	7	0	„	North-Western.	
69/290 22-4-97		21′ 6″ long × 10′ 0″ wide	2	4	9	„	Rae Bareli-Benares.	
70/06 22-5-97		24′ 0″ long × 10′ 6″ wide	2	15	9	„	Eastern Bengal.	
377/307 24-12-97		24′ 10″ long × 9′ 8″ wide	2	7	9	„	North-Western.	
66/189 15-1-97		25′ 0″ long × 8′ 0″ „	1	6	9	„	Eastern Bengal.	For inner roofing or ceiling cloth (flexible).

69/290 22-4-97 ...		Canvas, prepared for outside roofing— 25′ 0″ long × 10′ 0″ „	2	11	9	Piece	Rae Bareli-Benares.	
66/310 25-1-97 ...		25′ 6″ „ × 8′ 9″ „	2	13	0	„	Eastern Bengal.	
77/307 24-12-97...		25′ 6″ „ × 9′ 8″ „	2	19	3	„	North-Western.	
69/290 22-4-97 ...		26′ 0″ „ × 10′ 0″ „	2	13	9	„	Rae Bareli- Benares.	
77/307 24-12-97		26′ 6″ „ × 10′ 10″ „	3	9	3	„	North-Western.	
		27′ 9″ „ × 9′ 8″ „	3	4	6	„		
		28′ 0″ long × 9′ 8″ wide	2	16	0	„		
69/290 22-4-97 ...	Cloth—*contd.*	28′ 0″ „ × 10′ 10″ „	3	2	9	„		
		28′ 6″ „ × 10′ 0″ „	2	19	3	„	Rae Bareli-Benares.	
77/307 24 12-97 ...		28′ 10″ „ × 9′ 8″ „	3	7	0	„	North-Western.	
		29′ 0″ „ × 10′ 6″ „	3	7	9	„	Eastern Bengal.	
70/306 22-5-97 ...		29′ 0″ „ × 10′ 0″ „	3	4	3	„		
		30 0″ „ × 10′ 0″ „	3	2	3	„	Rae Bareli-Benares.	
69/290 22-4-97 ...		Floor, standard pattern— 3′ 0″ wide × 20 yards long	0	2	11½	lin. yard.		
69/157 10-4-97 ...		6′ 6″ × 9 yards	0	6	8	„	Eastern Bengal.	
		8′ 6″ × 25 yards	0	8	3	„		

ALL GAUGES.

Contracted for in 1897.

Contract number and date.	Articles.	Details.	Rate—Free on board. Amount. £	s.	d.	Unit.	For what railway.	Remarks.
		Floor standard pattern—*concld*						
73/119 16-8-97 ...		8′ 6″ wide in rolls of 50 feet	0	2	5	Sq. yard.	North-Western.	
70/306 22-5-97 ...		8′ 6″ „ ×12 yards long	0	9	9	linyard	Eastern Bengal	
69/290 22-4-97 ...		9′ 0″ „ ×23½ yards long	0	9	1	Yard	Rai Bareli-Benares.	
66/310 25-1-97 ...		9′ 0″ „ ×6′ 9″	0	18	6	Piece	Eastern Bengal.	
69/97 7-4-97 ...	Cloth—*concld.* ...	Leather, vulcan, maroon, pattern No. 99, about 36″ wide	0	5	6	Yard	North-Western.	In rolls of 50 yards.
69/293 22-4-97 ...		„ „ „ „ 75, „ 35″ „ for carriage cushions.	0	5	6	„	Eastern Bengal.	
69/52 3-4-97 ...		Linen, black, 32″ wide, 6 oz. per yard	0		4½	„	Rae Bareli-Benares.	
69/44 9-4-97 ...		Rep brown 52″ wide...	0	2	3	„	Eastern Bengal.	
74/303 24-9-97 ...		Rib, French, drab, for carriage cushions	0	2	2½	„	North Western.	
66/187 15-1-97 ...	Cord ...	Silk, green, as used in making silk netting	0	0	5/16	„	North-Western.	
69/218 15-4-97 ...	Horse hair ...	Curled and coiled. English manufacture ...	0	1	6	lb.	North-Western.	
69/156 10-4-97 ...	Lifts	Leather 4½″ long for bath room windows, neatly covered with maroon coloured morocco leather, sewn all round ...	0	1	2	Each	Rae Bareli-Benares.	
69/98 7-4-97 ...	Logline ...	Seaming, cord, in 1 lb. balls	0	0	6½	lb.	Rae Bareli-Benares.	
75/341 29-10-97...	Lincrusta materials	For the panels as detailed in Appendix D, page 64 with:— Lincrusta border, 2″ wide 1, yards 1,940 ... ... „ material 1′ 6″ „ „ 1,040 ... ... „ Lamphole pieces No. 112	120	0	0	Lot	Oudh and Rohilkhand.	
69/137 8-4-97 ...	Gimp ...	Green scroll ⅛″ silk	0	0	2¾	Yard	North-Western.	
69/360 26-4-90 ...	Nails	Clout ⅝″ long, wrought	2	15	0	Cwt.	Rae Bareli-Benares.	
66/187 15-1-97 ...	Netting ...	Silk, cord, green, 7″ wide, 1″ mesh, 50 yarde long ...	0	0	9	Yard	North-Western.	
		„ maroon, 14′ wide, 1″ mesh, for hât rack, 66 yards long	0	1	6	„	Eastern Bengal.	
69/137 8-4-97 ...		Silk, cord, 10″ wide, 1″ mesh, in lengths of 50 yards, crimson and green	0	1	0½	„	North-Western.	
		Silk cord, 12″ wide, 1″ mesh, in lengths of 55 yards, maroon colour	0	1	3	„	Rai Bareli-Benares.	
70/149 13-5-97 ...		Silk, maroon, for carriage, 10″ wide, 1″ mesh... ...	0	0	4½	„	Eastern Bengal.	
69/137 8-4-97 ...	Pins ...	Gimp, maroon ⅜″ long, in ½ lb. packets	0	1	0	lb.	North-Western.	
66/62 5-1-97 ...	Skins	Buffalbe, enamelled morocco, French, grained, maroon, t average 52 sq. feet each.	0	1	1¾	Sq. foot.	North-Western.	