(1) பக்கங்களின் எண்ணிக்கை 66

(2) புதுக்கித் திருப்பிய நாள் 22-11-88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(43)

தமிழ்நாடு அரசு

P. W. D. துறை

அரசாணை எண். — 51 / A	அச்சகம் பலவகை
மு. கோப்புத் தாள் எண்.	
நாள் : 9-1-1889.	198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

33 Sheets

ஆணை: எண்-1—18,000—15-8-87.

51/A

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Enclosure to Director General of Railways' Circular No. 24 of 1888.

RATE LIST.

CLASS F.

STATION MATERIALS AND FENCING

FOR 1888.

(CONTRACTS Nos. F 673 TO F 746.)

G. C. Press, Simla.—No. 1213 P. W. D.—12-12-88.—1,200.

Enclosure to Director General of Railways' Circular No. 24 of 1888.

51A
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51B

RATE LIST.

CLASS F.

STATION MATERIALS AND FENCING

FOR 1886.

(CONTRACTS Nos. F 673 TO F 746.)

Enclosure to Director General of Railways' Circular No. 24 of 1888.

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886.

(Contracts Nos. F 673 to F 746.)

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
709	22nd June 1886	7 of '86	Bellary Kistna (metre).	Apparatus, washing-out.	For Locomotive boilers. The contract is to include the supply of the cast iron pan and wrought iron cover, with two wrought iron handles, cast iron bottom pipe, gun metal cock, India-rubber washer, noze and nozzle, hose and couplings, and all nuts and bolts necessary for the entire completion of the washing-out apparatus, ready for fixing.	259	620	Sets 4	12	10	0	Set	2 8 2	Total	22 0	M.	
677	12th January 1886.	36 of '85.	Sind Sagar (5′ 6″)	Cases, ticket.	Complete, double doors. To contain three rows of 25 tubes each (each tube to hold 100 tickets) and three rows of 25 tubes each (each tube to hold 50 tickets).	381	...	No. 5	8	14	5	Each	6 13 0	Total	12 6	K.	
„	Ditto ...	Ditto ...	Ditto ...		Complete, single door. To contain two rows of 13 tubes each (each tube to hold 100 tickets), and three rows of 13 tubes each (each tube to hold 50 tickets). There are no tubes in the door of the single-door case.	381	...	„ 26	5	0	0	„					
683	4th February 1886.	72 of '85.	Punjab Northern (5′ 6″).	Clocks	Station	...	...	No. 6	7	5	0	Each	1 14 2	Total	18 0	K.	Lund and Blockley.

Statement shewing rates free on board in England, gross weight and sea freight per ton of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
690	10th April 1886	2 P. R. of '85.	Lucknow Sitapur (metre).	Clocks—*contd.*	Station	...	...	No. 20	7	5	0	Each	4 10 2	Total	15 0	B.	Lund and Blockley.
718	23rd July 1886	1 of '86...	Burma (metre) ...		Ditto	...	...	„ 8	7	5	0	„	2 19 0	„	27 6	R.	Lund and Blockley. Sea freight charged on measurement tonnage.
737	2nd November 1886.	3 of '86...	Ditto (metre) ...		Ditto	...	...	„ 4	7	5	0	„	1 8 2	„	27 6	R.	
720	3rd August 1886	6 of '86...	Cuddapah-Nellore (metre).	Cranes, hand, portable.	Each to lift 3 tons. Suitable for working at station goods shed. Each crane is to be carried on a wrought iron or steel truck, made to run on a metre gauge railway, and suited to hoist, lower and swing a weight of 3 tons at a radius of jib of 10 feet from the centre of the pillar to the centre of the load, and to have a maximum height at work of 14 feet from the rail level to the centre of the sheave in the jib head, and fitted with a link motion for lowering the jib.	606	622 1—7 and photo.	No. 4	180	0	0	Each	26 5 3	Total	18 0	M.	Tracings, per set £ 2 0 0 Photos, per copy 0 2 6
685	5th February 1886.	72 of '85	Punjab Northern (5′ 6″).	Cranes, water, pillar.	6″ complete with piping and connections	265	600 1—2	No. 2	37	7	6	Each	4 10 1	Total	18 0	K.	
697	22nd April 1886	2 P. R. of '85.	Lucknow Sitapur (metre).		6″ ditto ditto ...	265	608 1—2	„ 12	36	7	6	„	27 2 1	„	12 0	B.	
705	7th June 1886 ...	7 of '86	Bellary Kistna (metre).		6″ ditto ditto ...	265	615 1—2	„ 14	36	0	0	„	31 12 2	„	27 0	M.	
728	9th October 1886	25 of '86	Sind Pishin (5′ 6″)		6″ ditto ditto ...	265	...	„ 24	26	0	0	„	60 1 2	„	15 0	K.	Drawings, per set £ 0 15 0 Photos, per copy 0 5 0
733	15th October 1886	26 of '86	Pishin Valley Reserve (5′ 6″).		6″ ditto ditto ...	265	...	„ 10	26	0	0	„	25 2 0	„	16 0	K.	

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
680	20th January 1886.	36 of '85	Sind Sagar (5′ 6″)	Engines, steam, pumping.	Six horse power. Double acting, with boilers and suction and delivery pipes complete.	...	607 1—13	No. 3	295	0	0	Each	24 5 3	Total	24 0	K.	
736	29th October 1886	25 & 26 of '85.	Sind Pishin and P. V. Reserve (5′ 6″).		Six horse power with boilers complete for supplying water for the use of locomotives from wells 100 feet deep. Each of the pumps is to have 27 feet of suction and 99 feet of delivery pipes in 9 feet lengths; also 2 short lengths, one of 4 feet and one of 6 feet, two quarter bends and one tee piece, and all necessary pump rods and guides for connecting the engines and pumps, the pumps being about 80 feet below the engine, each engine is to have the following duplicate parts: One complete set of spare valves for pumps. One complete set of piston rings for engines and pumps. One set of spare leathers for pumps. One complete set of connecting rod and main shaft brasses for both engine and pumps. Twelve glass tubes and rings for each boiler. One large spur wheel. One pinion.	547 1—11	...	„ 6	225	0	0	„	69 11 1	„	* 15 0 & 17 3	K.	* Two @ ... ... £ 0 15 0 Four „ 0 17 3

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CONTRACT. Number F.	CONTRACT. Date.	Number of Indent.	For what Railway.	Articles.	Details.	INDIA OFFICE DRAWINGS (IF ANY.) Original F.	INDIA OFFICE DRAWINGS (IF ANY.) Completion F.	Number or quantity contracted for.	RATE F. O. B. IN ENGLAND. Amount.	Unit.	GROSS WEIGHT. Weight.	Unit.	ENTIRE SEA FREIGHT PER TON TO PORT. Rate.	Port.	REMARKS.
									£ s. d.		T. c. q.		s. d.		
736 *(concld.)*	29th October 1886	25 & 26 of '86.	Sind Pishin and P. V. Reserve (5′ 6″)	Engine, steam, pumping—*concld.*	The general dimensions of the engines, boilers and pumps are as follows: Diameter of steam cylinder 8 inches. Length of stroke ... 10 „ Diameter of boiler ... 3 ft. 2 „ Height of boiler ... 7 ft. Diameter of pump barrel 6 „ Stroke of pumps (double acting), 12 inches changeable to 8 inches. Number of pumps (double acting) two.										
721	9th August 1886	15 of '86	Sind Pishin (5′ 6″)	Fencing, barb.	Complete for two miles (single line) with four wires. The materials required for the above fencing are as follows: Barb wire ... 2¾ tons: Patent slotted standards 1,100 No. Pincers for standards ... 1 pair. Splices for standards ... 1 pair. Winding strainer for standards ... 1 No. Lever stretcher ... 1 No. Ten per cent. additional cast iron cross stays.	...	...	Miles 2	82 5 0	Mile	13 14 0	Total	12 0	K.	

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CONTRACT. Number F.	CONTRACT. Date.	Number of Indent.	For what Railway.	Articles.	Details.	INDIA OFFICE DRAWINGS (IF ANY.) Original F.	INDIA OFFICE DRAWINGS (IF ANY.) Completion F.	Number or quantity contracted for.	RATE F. O. B. IN ENGLAND. Amount.	Unit.	GROSS WEIGHT. Weight.	Unit.	ENTIRE SEA FREIGHT PER TON TO PORT. Rate.	Port.	REMARKS.
									£ s. d.		T. c. q.		s. d.		
715	25th June 1886...	1 of '86	Dhond and Manmad (5′ 6″).	Fencing, wire, strand; materials for—	Bolts, eye, straining galvanized with nuts and washers, weighing, 3·133 lbs. each.	...	...	Tons 4½	22 0 0	Ton	5 3 3	Total	12 0	B.	
717	10th August 1886	Ditto	Tirhoot (metre)		Bolts, eye, straining (ring bolts), galvanized ⅝″ diameter, 16″ long, each with one square nut and one washer 2″ diameter, $\frac{3}{16}$″ thick. Hole in bolt 1″ diameter.	...	...	No. 10,000 *T. c. q. lbs.* =7 16 2 22	234 15 7	Total	9 15 2	„	18 0	C.	
740	18th November 1886.	3 of '86	Burma (metre)...		Bolts, eye, straining galvanized each with two nuts and a washer.	...	...	No. 1,804 *c. q. lbs.* = 51 0 14	22 8 9	Ton	3 0 0	„	15 0	R.	
682	22nd January 1886.	76 of '85	Bhopal (5′ 6″) ...		Posts, iron (wrought) intermediate, for 5 wires.	...	...	No. 1,400	6 10 0	„	16 15 1	„	18 6	B.	Includes gross weight of 1,000 cast iron base sockets and 1,000 wrought iron wedges for cast iron sockets.
742	23rd November 1886.	3 of '86	Burma (metre)...		Posts, iron (wrought) intermediate. (Estimated weight 12·2 lbs. each.)	...	...	No. 10,479 *T. c. q. lbs.* =56 2 3 0	4 15 6	„	58 18 3	„	15 0	R.	Includes gross weight of item marked (*a*) below.
„	Ditto	Ditto	Ditto ...		Posts, iron (wrought), stiffening (estimated weight 35·5 lbs. each.)	...	...	No. 164= *T. c. q. lbs.* 2 11 1 8	7 15 6	„	(*a*)	...	15 0	R.	Gross weight included in item above.
741	Ditto	Ditto	Ditto ...		Posts, iron (cast), straining (200 yards apart. Estimated weight 2 c. 1q. 7 lbs. each).	...	...	No. 182= *T. c. q. lbs.* 21 0 3 14	4 5 0	„	119 9 2	Total	25 0	R.	Includes gross weight, also of items marked (*b*) in next page.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross Weight. Weight. T. c. q.	Unit.	Entire Sea Freight per ton to port. Rate. s. d.	Port.	Remarks.
682	22nd January 1886.	76 of '85	Bhopal (5′ 6″) ...	Fencing wire strand; materials for—*concld.*	Sockets (bases) for posts, pointed ...	...	...	No. 1,000	3	10	0	Ton	16 15 1	Total	18 6	B.	Includes gross weight of 1,400 wrought iron intermediate posts and 1,000 wedges for base sockets.
741	23rd November 1886.	3 of '86	Burma (metre) ...		Ditto (estimated weight 20 lbs. each).	...	...	No. 10,807 = *T. c. q. lbs.* 96 9 3 8	3	6	9	„	(*b*)	„	25 0	R.	
682	22nd January 1886.	76 of '85	Bhopal (5′ 6″) ...		Wedges (wrought) for base sockets ...	...	...	No. 1,000	15	0	0	„	16 15 1	„	18 6	B.	Includes gross weight of 1,000 sockets and 1,400 intermediate posts.
741	23rd November 1886.	3 of '86	Burma (metre) ...		Wedges, wrought-iron (estimated weight 5·8 ozs. each).	...	...	No. 10,807 = *T. c. q. lbs.* 1 14 3 24	12	0	0	„	(*b*)	„	25 0	R.	
679	14th January 1886.	76 of '85	Bhopal (5′ 6″) ...		Wire, strand, galvanized, 14 B. W. G. ...	„	...	Tons. 3	12	5	0	„	3 0 3	„	14 6	B.	£ s. d. For packing 0 7 0
691	10th April 1886	4 of '85	Nagpur and Chhattisgarh (metre).		Ditto ditto (in coils of 450 yards each).	...	...	6 coils = *T. c. q. lbs.* 0 10 0 24	16	15	0	„	0 10 1½	„	12 0	B.	
739	18th November 1886.	3 of '86	Burma (metre)		Ditto ditto (in coils of 450 yards each).	...	...	Coils 402 = *T. c. q. lbs.* 32 4 0 13	10	19	9	„	32 6 2	„	15 0	R.	
729	12th October 1886.	25 & 26 of '86	Sind Pishin & P. V. Reserve (5′ 6″).	Hydrants.	Cast iron with hose and nozzles complete.	437	631 1—2	No. 24	7	5	0	Each	4 6 3	Total	15 0 & 20 0	K.	£ s. d. 12 @ 0 15 0 12 „ 0 20 0
					Photographs	...	...	...	0	1	0	„					
					Tracings	...	...	...	0	6	0	„					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross Weight. Weight. T. c. q.	Unit.	Entire Sea Freight per ton to port. Rate. s. d.	Port.	Remarks.
730	14th October 1886.	25 & 26 of '86.	Sind Pishin & P. V. Reserve (5′ 6″).	Piping, cast iron, and connections for.	Piping, turned and bored, faucit and spigot, 6″ diameter, ½″ thick and in 9 feet lengths, coated inside and outside with Dr. Smith's varnish. (One 9 feet pipe weighs 2¾ cwt.)	...	...	L. ft. 20,843 = *t. c.* 318 9	3	8	0	Ton					For wrought iron piping, see Rate List, Class G for 1886, Page 78.
„	Ditto ...	Ditto	Ditto ...		Bends, right angle for 6″ piping 1′ 6″ × 1′ 6″ × 10″ radius (each weighs 1½ cwts.)	...	...	No. 100 = *t. c.* 7 10	7	10	0	„	338 8 2	Total	16 5	K.	
„	Ditto ...	Ditto	Ditto ...		Tee pieces for 6″ piping (each weighs 2½ cwt.)	...	...	„ 100 = *t. c.* 12 10	7	10	0	„					
703	25th May 1886...	79 of '85	Nagpur Chhattisgarh (metre).		Bends, wrought iron for water service connections, 2″ inside diameter.	...	...	„ 4	0	1	6	Each					
„	Ditto ...	Ditto	Ditto ...		Ditto ditto 1½″ inside diameter	...	...	„ 2	0	1	0	„	0 1 0	„	12 6	B.	Cask £0-5-0.
„	Ditto ...	Ditto	Ditto ...		Ditto ditto 1″ inside diameter	...	...	„ 5	0	0	6	„					
G-1512	28th June 1886	2 of '86	Northern Bengal (metre).	Plates, iron enamelled, mile marks.	For telegraph post. The plates are of ⅛″ thick wrought iron plate, 6″ square with four $\frac{2}{16}$″ holes at corners, covered on back and edges with dark grey enamel, and on the front with two, three, four, or five 2″ figures in white enamel on blue enamel ground.	...	...	No. 3,000	0	5	3	Dozen	1 9 3	Total	21 0	C.	

INDIAN STATE RAILWAYS.

Class F—Station Materials and Fencing. Class F—Station Materials and Fencing.

Statement shewing rates free on board in England, gross weight and sea freight per ton of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire Sea Freight per ton to port. Rate. s. d.	Entire Sea Freight per ton to port. Port.	Remarks.
678	12th January 1886.	36 of '85	Sind Sagar (5′ 6″)	Presses, ticket dating.	To print date, with type complete and one pint of ink to each press.	381	...	No. 31	2 4 4	Each	0 11 2	Total	20 0	K.	* Includes the weight of 500 yards inking tape.
693	20th April 1886	16 of '85	Sind Punjab and Delhi (5′ 6″).		To print date (inking) with type and ink complete.	381	...	„ 24	2 4 0	„	*0 10 2	„	14 0	K.	Sea freight charged on measurement tonnage; actual gross weight cwt. 5-1-4.
699	21st April 1886	2 P.R. of '85.	Lucknow Sitapur, (metre).		To print date with type and type boxes complete.	381	...	„ 20	2 5 0	„	0 3 2	„	16 0	B.	Including £ 1-10-0 for packing and delivery for 20 Presses.
710	25th June 1886	1 of '86	Jorhat (2 feet) ...		To ink date with type and ink complete	...	...	„ 3	2 5 0	„	0 2 0	„	18 0	C.	Sea freight charged by measurement.
722	9th August 1886	Ditto	Burma (metre) ...		To print date with type and ink complete.	381	...	„ 10	2 4 6	„	0 6 0	„	27 6	R.	Ditto.
693	20th April 1886	16 of '85	Sind Punjab and Delhi (5′ 6″).		Tape, ticket dating, inking ...	...	...	Yds. 500	3 13 0	Total	...	...	...	K.	Weight included in that of Presses under this Contract.
695	19th April 1886	72 of '85	Punjab Northern (5′ 6″).		Ribbon, inked, $1\frac{1}{8}$″ wide, for ticket dating presses.	...	....	„ 200	1 9 2	„	Not known	...	14 0	K.	
698	20th April 1886	2 P. R. of '85.	Lucknow Sitapur (metre).	Pumps.	Double cylinder, hand power ...	$\frac{468}{1—4}$	617	No. 2	27 10 0	Each	4 8 2	Total	16 0	B.	
731	13th October 1886	25 & 26 of '86.	Sind Pishin and P. V. Reserve (5′ 6″).		Ditto ditto ...	$\frac{468}{1—4}$	$\frac{635}{1—4}$	„ 30	24 0 0	„	83 6 0	„	15 0	K.	Tracings, per set £ 0-12-0 and photo—per copy £ 0-4-6 extra.
744	1st December 1886	1 of '86	Toungoo Mandalay Railway (metre.)		Ditto ditto ($4\frac{1}{2}$″ barrel)...	...	$\frac{637}{1—4}$	„ 6	24 13 0	„	3 16 2	„	25 0	R.	
					All the above pumps are complete with wrought iron piping, &c., and duplicate parts.										

Class F—Station Materials and Fencing. Class F—Station Materials and Fencing.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight. T. c. q. lbs.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit	Gross Weight. Weight. T. c. q.	Gross Weight. Unit	Entire Sea Freight per ton to port. Rate. s. d.	Entire Sea Freight per ton to port. Port.	Remarks.
					Roofing over Goods shed, 35 feet span, 102 feet 6 inches long.											
681	18th January 1886	76 of '85	Bhopal (5′ 6″)	Roofing, iron, complete roofs.	*Ungalvanized wrought and cast ironwork as under—*	409	604	One roof.	11 0 0 25	104 9 7	Total	11 1 3	Total	14 0	B.	For galvanized Ironwork required for this roofing, see page 11.
					T iron rafters 22′ 1″ × 4″ × 4″ × $\frac{7}{16}$″ at 11·6 lbs. per foot.	...	...	No. 26	2 19 1 24							
					T iron struts 4′ 5″ × 2″ × 3″ × $\frac{7}{16}$″ at 6·7 lbs. per foot.	...	...	„ 22	0 5 1 23							
					T iron struts 3′ 11″ × 2″ × 3″ × $\frac{7}{16}$″ at 6·7 lbs. per foot.	...	...	„ 22	0 4 3 6							
					T iron bearings 1′ 8″ × 6″ × 3″ × $\frac{1}{2}$″ at 14·6 lbs. per foot.	...	...	„ 22	0 4 3 2							
					Tie bars 9′ $7\frac{1}{4}$″ × 5″ × $\frac{1}{2}$″ at 8·35 lbs. per foot.	...	...	„ 22	0 15 3 0							
					Tie bars 15′ 4″ × $3\frac{1}{2}$″ × $\frac{1}{4}$″ at 5·84 lbs. per foot.	...	...	„ 11	0 8 3 15	10 0 0	Ton.					
					Tie bars 9′ $6\frac{1}{4}$″ × 3″ × $\frac{1}{2}$″ at 5·01 lbs. per foot.	...	...	„ 22	0 9 1 10							
					Apex gussets $\frac{5}{16}$″ thick	...	...	„ 22	0 3 0 0							
					Joint gussets on rafter $\frac{5}{8}$″ thick ...	...	...	„ 88	0 3 0 0							
					Shoe gussets on rafter $\frac{5}{16}$″ thick ...	...	...	„ 44	0 6 1 0							
					Tie bar gussets 1′ $11\frac{1}{2}$″ × $9\frac{1}{2}$″ × $\frac{5}{16}$″ ...	...	...	„ 44	0 7 3 2							
					Washerplates in wall 1′ 6″ × 4″ × $\frac{1}{2}$″ ...	...	....	„ 22	0 1 3 22							
					Holding down bolts, nuts and washers ...	...	...	„ 48	0 3 0 0	20 0 0	„					

Continued to next page.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross Weight. Weight.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
					Continued from page 9.				T. c. q. lbs.	£ s. d.		T. c. q.		s. d.		
681 (*contd.*)	18th January 1886	76 of '85...	Bhopal (5' 6") ...	Roofing, iron, complete roofs—*contd.*	Angle iron purlins 20' × 3" × 3" × $\frac{3}{8}$" at 7·03 lbs. per foot.	...	...	No. 34	2 2 3 0							
					Angle iron purlins 25' × 3" × 3" × $\frac{3}{8}$" at 7·03 lbs. per foot.	...	...	,, 12	0 18 3 9							
					Angle iron purlins 15' × 3" × 3" × $\frac{3}{8}$" at 7·03 lbs. per foot.	...	...	,, 8	0 7 2 6	8 0 0	Ton.					
					Angle iron brackets for purlins at Joints 9" × 3" × $\frac{3}{8}$".	...	...	,, 44	0 2 0 8							
					Angle iron brackets for purlins 4" × 3" × 3" × $\frac{3}{8}$".	...	...	,, 86	0 1 3 6							
					Wind ties $\frac{5}{8}$" diameter	...	...	,, 20	0 4 1 25	10 0 0	,,					
					Bolts and nuts for wind ties 4" long × $\frac{5}{8}$" diameter.	...	...	,, 20	0 0 1 3		"					
					Bolts and nuts for wind ties 2$\frac{1}{4}$" long × $\frac{5}{8}$" diameter.	...	...	,, 5	0 0 0 6	20 0 0	,,					
					Rivets, including 50 per cent. extra, say	...	...	—	0 2 0 0							

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Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross Weight. Weight.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
					ROOFING OVER GOODS SHED 35 FEET, SPAN, 102 FEET 6 INCHES LONG.				T. c. q. lbs.	£ s. d.		T. c. q.		s. d.		For ungalvanized Ironwork required for this roofing, see page 9.
					Galvanized iron work as under— ...	409	...	One roof	10 2 2 10	131 8 11	Total					
					Corrugated sheets 6 feet long and 2' 6" between centres of end corrugations.	...	...	No. 425	8 7 0 0	11 12 6	Ton.					
					Ridge plates 11 feet long, weighing 3·32 lbs. per square foot before galvanizing.	...	...	,, 12	0 7 0 19	16 2 6	,,					
					Wind bars, 20' 2" long	...	...	,, 43	0 9 3 9	11 12 6	,,					
					Ditto ditto 15' 1$\frac{1}{2}$" long ...	...	...	,, 22	0 3 3 22							
684	5th February 1886	76 of '85	Bhopal (5' 6")	Roofing, iron, complete roofs—*contd.*	Clips (0·7 lbs. each) ...	...	...	,, 1,700	0 10 2 4	28 2 6	,,	11 5 2	Total	13 6	B.	
					Rivets, $\frac{1}{4}$" diameter, and burrs for sheeting ; including 30 per cent. extra.	...	...	,, 9,600	0 2 1 12							
					Rivets, $\frac{5}{16}$" diameter, for clips and sheeting ; including 30 per cent. extra.	...	...	,, 2,100	0 0 2 14							
					Rivets, $\frac{5}{16}$" diameter, for clips, wind ties and sheeting ; including 30 per cent. extra.	...	...	2,450	0 0 3 17	28 2 6	,,					
					Rivets, $\frac{1}{4}$" diameter, and burrs for ridge plates ; including 30 per cent. extra.	...	...	,, 800	0 0 0 15							
712	24th June 1886...	6 of '86	Cuddapah Nellore (metre).		ROOFING OVER ENGINE SHEDS, 36 FEET SPAN, 133 FEET, 4 INCHES LONG, INCLUDING— 22 roof trusses, complete. 6 ditto ditto 58 angle bars for purlins, 25' 4" long × 3" × 3" × $\frac{3}{8}$".											

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CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion. F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross weight. Weight.	Gross weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
									T. c. q. lbs.	£ s. d.		*T. c. q.*		*s. d.*		
712 (cancld.)	24th June 1886	6 of '86	Cuddapah Nellore (metre.)	Roofing, iron, in complete roofs—*contd.*	ROOFING OVER ENGINE SHEDS, 36 FEET SPAN, 133 FEET 4 INCHES LONG. *Continued from page 11.*											
					11 angle bars for purlins, 15′ long × 3″ × 3″ × ⅜″.											
					13 angle bars for purlins, 25′ long × 3″ × 3″ × ⅜″.											
					79 knees for purlins.											
					58 joint knees for purlins.											
					24 diagonal wind ties, together with all requisite bolts, nuts, washers and rivets.											
					Ungalvanized wrought and cast iron work as under—	561	621 1—2	2 Roofs	29 3 0 20	341 8 0	Total	30 15 1	Total	22 0	M.	For galvanized Ironwork required for these roofs, see page 13.
					For one roof.											
					T bar rafters	...	...	...	3 2 3 26							
					T bar struts	...	...	...	0 13 2 7							
					Flat bar ties	...	...	...	2 4 0 20							
					T bar shoes	...	...	...	0 5 2 2	12 2 0	Ton.					
					Gusset plates	...	...	...	1 7 1 18							
					Standards for ventilators	...	...	...	0 3 1 20							
					Washer plates for holding-down bolts ...	...	...	...	0 2 1 26							
					Holding-down bolts and washers ...	...	...	...	0 3 1 21	20 0 0	,,					
					Angle bar purlins and brackets ...	...	...	...	5 8 2 2	10 0 0	,,					
					Wind ties, ¾ inch diameter ...	...	...	...	0 4 1 21	12 2 0	,,					
					Bolts for ditto	...	...	...	0 0 1 8							
					Rivet heads and spare rivets, say 5 per cent. ...	...	...	...	0 13 3 7	20 0 0	,,					
					Service bolts and washers	...	...	...	0 1 2 0							

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit	Gross weight. Weight.	Gross weight. Unit	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
									T. c. q. lbs.	£ s. d.		*T. c. q.*		*s. d.*		
714	24th June 1886	6 of '86 ...	Cuddapah Nellore (metre).	Roofing, iron, complete roofs—*concld.*	ROOFING OVER ENGINE SHEDS, 36 FEET SPAN, 133 FEET 4 INCHES LONG.											
					Galvanized ironwork as under — ...	561	...	Two roofs	22 19 2 0	272 7 2	Total	25 12 0	Total	25 0	M.	For ungalvanized Ironwork required for these roofs, see page 12.
					For one roof—											
					Corrugated sheets, 6′ 2″ long × 2′ 6″ centres, each 44·4 lbs.	...	...	No. 444	8 16 0 2							
					Corrugated sheets, 3′ 7″ long × 2′ 6″ centres, each 25·8 lbs.	...	...	,, 57	0 13 0 15	10 15 0	Ton.					
					Ridge plates at ends, 5′ 6″ × 1′ 9″ × ⅛″.	...	...	,, 2	0 0 3 13	0 3 6	Lineal foot.					
					Wind bars, 20′ 3″ × 1½″ × ¼″ ...	...	...	,, 58								
					Ditto 25′ 7⅛″ × 1½″ × ¼″ ...	...	...	,, 13	0 19 0 6	10 0 0	Ton.					
					Ditto 15′ 7½″ × 1½″ × ¼″ ...	...	...	,, 11								
					Sheet clips, 7 lbs. each	...	...	,, 2,016	0 12 2 11	22 0 0	,,					
					Gutters and covers	...	...	,, 5	0 4 1 16	0 3 6	Lineal foot.					
					Rivets and burrs for sheeting ...	...	...	,, 11,600	0 1 1 23							
					Rivets for clips, $\frac{5}{16}$ inch diameter ...	...	...	,, 6,100	0 1 3 0	22 0 0	Ton.					
					Rivets for gutters ½ inch diameter ...	...	...	,, 160	0 0 0 3							
					Zinc flashing 7′ 9″ × 9″ × No. 16 zinc gauge, and 26 oz. per square foot.	...	...	Lengths 6	0 0 1 23	26 0 0	Cwt.					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CLASS F—STATION MATERIALS AND FENCING.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross weight. Weight.	Gross weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
									T. c. q. lbs.	£ *s. d.*		*T. c. q.*		*s. d.*		
713	24th June 1886	2 of '86-'87	Northern Bengal (metre).	Roofing, iron, spare parts of—	Sheets, iron, corrugated, galvanized, 6 feet long × 2′ 9″ × 20 B. W. G.	...	...	No. 355	4 12 0 6	10 15 0	Ton	38 18 1	Total	Not known.	C.	
					Sheets, iron, corrugated, galvanized, 7 feet long × 2′ 9″ × 20 B. W. G.	...	...	„ 484	7 15 1 27							
					Sheets, iron, corrugated, galvanized, 8 feet long × 2′ 9″ × 20 B. W. G.	...	...	„ 1,411	25 6 3 27							
					Guttering, 7 feet long × 14 B. W. G. ...	601 & 602	...	„ 350	5 18 3 0	0 0 9	Lineal foot.	8 18 0	„	„	C.	
					Ridging, 6 feet long × 16 B. W. G. ...			„ 375	2 3 2 3	0 0 5	„					
687	9th March 1886	15 of '85	Sind Punjab and Delhi. (5′ 6″)		Sheets, iron, corrugated, galvanized, for wagons, 8 feet 6 inch radius, 11 feet long × 2 feet 11 inches × 18 B. W. G.	...	...	„ 400	12 11 0 4	13 17 6	Ton	45 16 2	„	16 9	K.	Sea freight charged on measurement tonnage. Actual gross weight Tons 17 18 0 18 This Contract should have been let under class E, Rolling stock.

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Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CLASS F—STATION MATERIALS AND FENCING.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross weight. Weight.	Gross weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
									£ *s. d.*		*T. c. q.*		*s. d.*		
700	20th April 1886	2 of '86	Katni Umaria (Billaspur Etawa).	Signals, semaphore, distant.	Complete, except post and spare lamps	404 1—6 404 9—10	609 1—11	Sets 2	18 3 0	Set	...	...	16 0	B.	6 photos and 3 sets of tracings, £ 4-16-3.
„	Ditto ...	2 P. R. of '85.	Lucknow Sitapur Sihramau.		Complete, exclusive of posts ...	„	„	„ 28	18 3 0	„	* 38 19 2	Total	16 0	B.	* Includes gross weight of Items marked (*c*) below and on page 16.
708	22nd June 1886	7 of '86	Bellary Kistna ...		Ditto ditto ...	„	619 1—11	„ 36	18 3 0	„	† 74 11 2	„	22 0	M.	† Includes gross weight of Items marked (*d*) below and on page 16.
725	8th September 1886.	3 of '86	Burma ...		Ditto ditto ...	„	623 1—11	„ 4	18 3 0	„	‡ 5 4 1	„	25 0	R.	‡ Includes gross weight of Items marked X on page 16.
727	7th October 1886	25 of '86	Sind Pishin ...		Ditto ditto ...	„	...	„ 23	18 3 0	„	§ 29 17 1	„	25 0	K.	§ Includes gross weight of Items marked (*e*) on pages 16 and 17.
735	29th October 1886.	26 of '86	Pishin Valley Reserve.		Ditto ditto ...	„	636 1—11	„ 20	18 3 0	„	¶ 26 7 3	„	30 0	K.	¶ Includes gross weight of Items marked (*f*) on pages 16 and 17.
700	20th April 1886	2 of '86	Katni Umaria (Billaspur Etawa).	Signals, semaphore, station.	Complete, except post and spare lamps	404 1—6 404 9—10	609 1—11	Set 1	6 1 0	Set	...	...	16 0	B.	(*c*) and (*d*)—*Vide* remarks above.
„	Ditto ...	2 P. R. of '85.	Lucknow Sitapur Sihramau.		Complete, exclusive of posts ...	„	„	„ 11	6 1 0	„	(*c*)	...	16 0	B.	
708	22nd June 1886	7 of '86	Bellary Kistna...		Ditto ditto ...	„	619 1—11	„ 18	6 1 0	„	(*d*)	...	22 0	M.	

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Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CLASS F—STATION MATERIALS AND FENCING.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate. s. d.	Entire sea freight per ton to port. Port.	Remarks.
725	8th September 1886.	3 of '86...	Burma ...	Signals, semaphore, station—*concld.*	Complete, exclusive of posts ...	406 1—6 404 9—10	623 1—11	Sets 2	6 1 0	Set	(X)	...	25 0	R.	Note.—Photos @ £ 0-1-0 per copy Tracings @ £ 1-12-1 per set charged for signals.
727	7th October 1886	25 of '86	Sind Pishin ...		Ditto ditto ...	,,	...	,, 2	6 1 0	,,	(e)	...	25 0	K.	
735	29th October 1886	26 of '86	Pishin Valley Reserve.		Ditto ditto ...	,,	636 1—11	,, 10	6 1 0	,,	(f)	...	30 0	K.	
700	20th April 1886	2 P. R. of '85	Lucknow Sitapur Sihramau.	Signals, spare parts of—	Glasses for spectacles, large, red ...	...	...	No. 108	0 0 11	Each	(e)	...	16 0	B.	(c), (d), (e), (f) and (X)—*Vide* remarks on page 15.
		2 of '86	Katni Umaria ...		Ditto ditto green ...	...	...	,, 48	0 1 2	,,					
					Ditto small do. ...	...	...	,, 60	0 0 5	,,					
					Wicks	...	...	Gross 42	0 1 7	Gross					
708	22nd June 1886	7 of '86	Bellary Kistna...		Glasses for spectacles, large, red ...	...	...	No. 144	0 0 11	Each	(d)	...	22 0	M.	
					Ditto ditto ditto, green ...	...	...	,, 72	0 1 2	,,					
					Ditto ditto small, green ...	...	...	,, 72	0 0 5	,,					
					Wicks	...	...	Gross 54	0 1 7	Gross					
725	8th September 1886.	3 of '86	Burma ...		Glasses for spectacles, large, red ...	...	...	No. 16	0 0 11	Each	(X)	...	25 0	R.	
					Ditto ditto green ...	...	...	,, 8	0 1 2	,,					
					Ditto small, ditto ...	...	...	,, 8	0 0 5	,,					
					Wicks	...	...	Gross 6	0 1 7	Gross					

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CLASS F—STATION MATERIALS AND FENCING.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate. s. d.	Entire sea freight per ton to port. Port.	Remarks.
727	7th October 1886	25 of '86	Sind Pishin ...	Signals, spare parts of—*concld.*	Glasses for spectacles, large, red ...	...	...	No. 82	0 0 11	Each	(e)	...	25 0	K.	(e) and (f)—*Vide* remarks on page 15.
					Ditto ditto ditto, green ...	...	...	,, 36	0 1 2	,,					
					Ditto ditto small ditto ...	...	...	,, 46	0 0 5	,,					
					Wicks	...	...	Gross 32	0 1 7	Gross					
735	29th October 1886	26 of '86	Pishin Valley Reserve.		Glasses for spectacles, large, red ...	...	...	No. 80	0 0 11	Each	(f)	...	30 0	K.	
					Ditto ditto ditto, green ...	...	...	,, 40	0 1 2	,,					
					Ditto ditto small, ditto ...	...	...	,, 40	0 0 5	,,					
					Wicks	...	...	Gross 30	0 1 7	Gross					
694	19th April 1886	15 of '85	Sind, Punjab and Delhi ...	Signals; semaphore, parts of	Wind lasses for distant signals, complete, with bolts, and coach screws, and including leading wheel centres and chain, as per Indian State Railways Standard specification for signals, as far as applicable.	...	...	No. 20	3 0 0	Each.	7 16 2	Total	14 0	K.	Sea freight charged on measurement tonnage. Actual gross weight Tons 3 0 2 24.
732	14th October 1886	25 of '86 and 26 of '86	Sind-Pishin and Pishin Valley Reserve.	Tanks, wrought-iron.	Complete 8′ × 8′ × 4′ ... *T. c. q. lbs.* Weight of one tank 1 4 3 4 ...	260	638	No. 131	10 13 10	Each.	166 15 3	Total	*17 0	K.	*T. c. q. 74 19 1 @ £ 0-17-0 per ton. 91 16 2 @ £ 0-20-0 do.
					Cast iron connection pipes for ditto, each with 9 bolts and nuts 2½″ × ¾′.	...	...	,, 65	0 4 8	Set.			20 0	K.	
745	17th December 1886.	33 of '86	Bellary Kistna...		Complete, 8′ × 8′ × 4′ ...	260	...	,, 30	10 16 10	Each.	39 0 1	Total	22 0	M.	
					Cast iron connection pipes for ditto, each with 9 bolts and nuts 2½″ × ¾′ ...	...	...	,, 15	0 4 8	Set.					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CLASS F—STATION MATERIALS AND FENCING.

Contract. Number. F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
702	20th May 1886 ...	1 of '86	Eastern Bengal	Tickets, card, railway.	Blue			No. 500,000	0	0	9½	1,000	11 18 0	...	21 0	C.	Sea freight charged by measurement. Includes the gross weight of the items marked (*h*) below.
719	27th July 1886...	1 of '86	Burma ...		Ditto with B. S. R.			„ 20,000	0	0	10½	„	(*h*)	...	27 6	R.	
746	29th December 1886.	7 of '86	North Western		Crimson, single, intermediate			„ 200,000	0	0	10½	„	19 3 2	Total	20 0	K.	Includes gross weight of 10,000,000 yellow tickets.
702	20th May 1886...	1 of '86	Eastern Bengal		Ditto intermediate, return			„ 500,000	0	0	9¾	„	(*h*)	...	21 0	C.	
702	20th May 1886...	1 of '86	Ditto ...		Green, 2nd class, return			„ 100,000	0	0	9¾	„	(*h*)	...	21 0	C.	
743	25th November 1886.	1 of '86	Nagpur Chattisgarh.		Red, single			„ 30,000	0	0	8¾	„				...	
„	Ditto ...	Ditto	Ditto ...		White, single			„ 5,000	0	0	8¾	„	3 4 0	Total	16 6	B.	Includes gross weight of the 2 items marked (*g*) below. Packing and delivery on contract No. 743, £8-19-6.
„	Ditto ...	Ditto	Ditto ...		„ return			„ 3,000	0	0	8¾	„					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CLASS F—STATION MATERIALS AND FENCING.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
702	20th May 1886...	1 of '86 ...	Eastern Bengal	Tickets, card, railway—*contd.*	Yellow, 3rd class, single			No. 5,000,000	0	0	9½	1,000	(*h*)	...	21 0	C.	
719	27th July 1886	1 of '86 ...	Burma ...		Ditto Ditto with B. S. R.			„ 4,245,000	0	0	10⅛	„	8 0 2	Total	27 6	R.	Sea freight charged on measurement tonnage. Includes gross weight of item marked (*k*) on page 18.
689	10th April 1886	79 of '85...	Nagpur Chhattisgarh.		Ditto Ditto with I. S. R.			„ 1,000,000	0	0	10	„	2 1 2	Total	12 0	B.	
743	25th November 1886.	1 of '86 ...	Ditto ...		Ditto Ditto			„ 1,500,000	0	0	8¾	„	(*g*)	...	16 6	B.	
746	29th December 1886.	7 of '86 ...	North Western		Ditto ditto 3rd class			„ 10,000,000	0	0	10⅛	„	19 3 2	Total	20 0	K.	Includes also gross weight of 200,000 Crimson Tickets.
743	25th November 1886.	1 of '86 ...	Nagpur Chattisgarh.		Ditto Return			„ 50,000	0	0	8¾	„	(*g*)	...	16 6	B.	
675	7th January 1886	36 of '85	Sind Sagar (5' 6")	Traversers.	Carriage and wagon, 5' 6" gauge, 15 ft.	167	599	No. 1	72	10	0	Each	2 12 3	Each	17 9	K.	
706	7th June 1886 ...	7 of '86	Bellary Kistna (metre).		Ditto metre gauge ...	328	616	„ 13	78	0	0	„	7 5 0	Total	35 0	M.	
674	7th January 1888	36 of '85	Sind Sagar (5' 6")	Turntable, carriage, & wagon.	16 feet diameter, suited to the 5' 6" gauge.	323	598	No. 1	160	0	0	Each	6 13 1	Each	15 6	K.	

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire Sea Freight per ton to Port. Rate. s. d.	Entire Sea Freight per ton to Port. Port.	Remarks.
676	7th January 1886	36 of '85	Sind Sagar (5′ 6″)	Turntables, engine.	50 feet diameter, suited to the 5′ 6″ gauge, each capable of turning an engine and tender weighing 80 tons.	559	605 / 1—3	No. 9	515 0 0	Each	307 0 0	Total	From 15*s.* to 25*s.*	K.	
704	25th May 1886	9 of '86	Bolan (5′ 6″) ...		Ditto ditto ...	559	618 / 1—3	„ 1	515 0 0	„	34 2 2	Each	20 0	K.	
724	22nd September 1886.	25 of '86	Sind Pishin (5′ 6″)		Ditto ditto ...	559	630 / 1—3	„ 4	500 0 0	„	136 10 0	Total	From 15*s.* to 29*s.* 9*d.*	K.	
734	27th October 1886	27 of '86 & 26 of '86	Ferozepore Bridge Works & P. V. Reserve (5′ 6″).		50 feet diameter, 5′ 6″ gauge, each capable of turning an engine and tender weighing 80 tons.	559	...	„ 3	495 0 0 in G lasg ow.	Each	102 7 2	Total	From 18*s.* to 27*s.* 9*d.*	K.	

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire Sea Freight per ton to Port. Rate. s. d.	Entire Sea Freight per ton to Port. Port.	Remarks.
692	15th April 1886	2 P. R. of '85.	Lucknow Sitapur Sihramau (metre).	Turntables, engine—*concld.*	36 feet diameter, metre gauge ...	329	613 / 1—3	No. 2	215 0	Each	23 7 0	Total	13 9	B.	
696	19th April 1886	C. S. K's 16 of '85.	Sind Punjab and Delhi.	Watches, guard's.	Waltham, keyless	...	...	No. 24	2 10	Each	0 0 2	Total	14 0	K.	Sea freight charged on measurement tonnage. Actual gross weight 21 lbs.
707	21st June 1886...	2 of '86	Northern Bengal		Open-faced, keyless, as supplied on Contract No. F621 of 1885.	...	...	„ 6	3 10	„	...	...	...	C.	Total gross weight 15 lbs. Sea freight one per cent. on value.
738	2nd November 1886.	3 of '86	Burma ...		Ditto to be marked "B. S. R." on back.	...	...	„ 12	3 10	„	0 0 2	Total	27 6	B.	Sea freight charged on measurement tonnage.
696	19th April 1886	72 of '85	Punjab Northern	Watches, guards, spare parts of—	*Fittings for American Watch Company's keyless guard's watches:—*										
					Glasses	...	...	Doz. 4	0 3	Total					
					Holes, jewel (cock)	...	...	„ 2	0 13	„					
					Ditto (foot)	...	...	„ 2	0 13	„					
					Hands, steel (pairs)	...	...	„ 1	0 3	„					
					Pallets, round	...	...	„ 1	0 6	„	See next page.			K.	
					Ditto and lever	...	...	No. 6	0 16	„					
					Pins, ruby	...	...	Doz. 2	0 3	„					
					Springs hair	...	...	„ 3	0 17	„					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross Weight. Weight. T. c. q. lbs	Unit.	Entire Sea Freight per ton to Port. Rate. s. d.	Port.	Remarks.
					Continued from last page. *Fittings for American Watch Company's Keyless Guard's watches*—concld.												
69 *concld.*	19th April 1886	72 of '85	Punjab Northern	Watches, guards, spare parts of—*concld.*	Springs, main	...	...	Doz. 3	0	12	9	Total	0 0 0 11	Total	Not known.	K.	
					Staff balance	...	...	„ 3	1	18	3	„					
					Stones jewel, end (cock)	...	...	„ 2	0	10	2	„					
					Ditto do. (foot)	...	...	„ 2	0	10	2	„					
					Ditto pallet (pairs)	...	...	„ 1	0	10	2	„					
					Studs metal, winding	...	...	„ 1	0	12	0	„					
					Wheels, action, keyless	...	...	Sets. 3	1	0	5	„					
688	11th March 1886	...	Punjab Northern		New movements	...	...	No. 3	1	18	0	Each	0 0 2 0	„	20 0 In full	K.	
„	Ditto	...	Ditto		Repairs to watches	...	...	„ 11	3	15	0	Total					
673	9th January 1886	36 of '85	Sind-Sagar ...	Weighing machines.	Platform, with steel yards, to weigh up to 14 maunds.	...	610/1—4, 611/1—4	No. 31	9	10	0	Each	40 17 0	Total	16 9 / 13 3 / 16 6	K.	
„	Ditto	Ditto ...	Ditto ...		Platform, with steel yards, to weigh up to 28 maunds.	...	„	„ 36	11	10	0	„					
686	3rd March 1886	72 of '85	Punjab Northern		Platform, with steel yards, to weigh up to 1 ton.	...	612/1—4	„ 2	12	10	0	„	1 7 2	„	20 0	K.	
701	20th April 1886	2 P. R. of 1885.	Lucknow Sitapur Sihramau.		Platform, with steel yards, to weigh up to 28 maunds.	...	614	„ 20	11	12	0	„	16 11 2	„	13 9	B.	Tracing 10*s.* per set, photo 1*s.* 8*d.* per copy.

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Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—concld.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross Weight. Weight. T. c. q.	Unit.	Entire Sea Freight per ton to Port. Rate. s. d.	Port.	Remarks.
726	20th September 1886.	25 of '86	Sind Pishin ...	Weighing machines—*concld.*	Platform, with steel yards, to weigh up to 28 maunds.	...	...	No. 20	12	0	0	Each	16 19 2	Total	14 9	K.	Tracing 10 *s.* per set, photo 2*s.* per copy.
723	10th August 1886	1 of '86	Burma ...		Platform, with steel yards, to weigh up to 154 viss (cwt. 2, qrs. 3, lbs. 14); with steel yards graduated for English and Burmese weights (100 ticuls = 1 viss = 3·65 lbs).	...	625/1—4	„ 10	9	0	0	„	3 14 0	„	25 0	R.	Sea freight charged on measurement tonnage.

23

Ports:—B—Bombay; C—Calcutta; K—Kurrachee; M—Madras; R—Rangoon.

G. F. WILSON, Captain, R.E.,

for Director General of Railways.

[*General Distribution.*]

5 I A
5 I A 16

Circular No. 20.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

TO

THE DIRECTOR, NORTH-WESTERN RAILWAY.

THE ENGINEERS-IN-CHIEF, SIND-PISHIN STATE RAILWAY AND BANNU RAILWAY SURVEY.

THE SUPERINTENDENT OF WAY AND WORKS, CUDDAPAH-NELLORE STATE RAILWAY.

THE PORT STOREKEEPERS, STATE RAILWAY DEPARTMENT, CALCUTTA AND BOMBAY.

Simla, the 5th October, 1888.

SIR,

I have the honour to forward, for information and guidance, a printed statement showing the rates *free on board* in England, *the gross weight* and *the entire sea freight per ton* to Indian Ports of C Class State Railway Stores—"Workshop Machinery and Heavy Tools,—" contracted for by the India Office during the year 1886.

2. The rates for landing State Railway Stores from vessels at the several ports in India and the official rate of exchange during the past financial year are given in the circulars quoted on the margin. An insurance charge of one per cent. should be added in addition to other incidental charges to arrive at the cost of stores delivered at Port.

Director-General of Railways' Circular No. 2 of 12th April 1888.
Director-General of Railways' Circular No. 6 of 22nd June 1888.

I have the honour to be,

SIR,

Your most obedient servant,

L. CONWAY-GORDON,
Director General.

Document accompanying.
Rate List Class C—Workshop Machinery and Heavy Tools,—for 1886.

16

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, Assam, and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, 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 Inspector General of Military Works.
The Superintendent of Works, Simla Imperial Circle.
The Accountant General, Public Works Department.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Railways, Calcutta and Lucknow.
The Consulting Engineer to the Government of India for Railways, Central Division, Jubbulpore.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

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

L. CONWAY-GORDON,
Director General.

5/A
17

51 A

FROM

THE DIRECTOR GENERAL
OF RAILWAYS,

Order thereon. 3685 W dfs/88
dtd 5 Oct 1888

Communicated to
officers of the P.W. Department
in continuation of G. O
No 2410 W dated 8 August
1888.

S of A.R.W.
W.

No 3685 W dfs/88 dtd 5 Oct 88

53

TO

Circular No. 20.

Dated Simla, the 5th October, 1888.

Received

S. Es
C.A to Govt
Exam P.W.a
Consy Engr for Rys

INDIAN STATE RAILWAYS.

Rate List Class C—Workshop Machinery and Heavy Tools—for 1886.

G. C. Press, Simla.—No. 828 P. W. D.—22-10-88.—1,200.

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51 B

51 A
18

Enclosure to Director General of Railways' Circular No. 24 of 1888.

RATE LIST.

CLASS F.

STATION MATERIALS AND FENCING

FOR 1886.

(CONTRACTS Nos. F 673 TO F 746.)

G. C. Press, Simla.—No. 1213 P. W. D.—13-12-88.—1,200.

18

578

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19

Enclosure to Director General of Railways' Circular No. 24 of 1888.

RATE LIST.

CLASS F.

STATION MATERIALS AND FENCING

FOR 1886.

(CONTRACTS Nos. F 673 TO F 746.)

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Enclosure to Director General of Railways' Circular No. 24 of 1888.

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING. CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886.

(Contracts Nos. F 673 to F 746.)

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
709	22nd June 1886	7 of '86	Bellary Kistna (metre).	Apparatus, washing-out.	For Locomotive boilers. The contract is to include the supply of the cast iron pan and wrought iron cover, with two wrought iron handles, cast iron bottom pipe, gun metal cock, India-rubber washer, noze and nozzle, hose and couplings, and all nuts and bolts necessary for the entire completion of the washing-out apparatus, ready for fixing.	259	620	Sets 4	12	10	0	Set	2 8 2	Total	22 0	M.	
677	12th January 1886.	36 of '85.	Sind Sagar (5' 6")	Cases, ticket.	Complete, double doors. To contain three rows of 25 tubes each (each tube to hold 100 tickets) and three rows of 25 tubes each (each tube to hold 50 tickets).	381	...	No. 5	8	14	5	Each	6 13 0	Total	12 6	K.	
,,	Ditto ...	Ditto ...	Ditto ...		Complete, single door. To contain two rows of 13 tubes each (each tube to hold 100 tickets), and three rows of 13 tubes each (each tube to hold 50 tickets). There are no tubes in the door of the single-door case.	381	...	,, 26	5	0	0	,,					
683	4th February 1886.	72 of '85.	Punjab Northern (5' 6").	Clocks	Station	...	...	No. 6	7	5	0	Each	1 14 2	Total	18 0	K.	Lund and Blockley.

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
690.	10th April 1886	2 P. R. of '85.	Lucknow Sitapur (metre).	Clocks—*concld.*	Station	...	...	No. 20	7	5	0	Each	4 10 2	Total	15 0	B.	Lund and Blockley.
718	23rd July 1886	1 of '86...	Burma (metre) ...		Ditto	...	...	„ 8	7	5	0	„	2 19 0	„	27 6	R.	Lund and Blockley. Sea freight charged on measurement tonnage.
737	2nd November 1886.	3 of '86...	Ditto (metre) ...		Ditto	...	...	„ 4	7	5	0	„	1 8 2	„	27 6	R.	
720	3rd August 1886	6 of '86...	Cuddapah-Nellore (metre).	Cranes, hand, portable.	Each to lift 3 tons. Suitable for working at station goods shed. Each crane is to be carried on a wrought iron or steel truck, made to run on a metre gauge railway, and suited to hoist, lower and swing a weight of 3 tons at a radius of jib of 10 feet from the centre of the pillar to the centre of the load, and to have a maximum height at work of 14 feet from the rail level to the centre of the sheave in the jib head, and fitted with a link motion for lowering the jib.	606	622 1—7 and photo.	No. 4	180	0	0	Each	26 5 3	Total	18 0	M.	Tracings, per set £ 2 0 0 Photos, per copy 0 2 6
685	5th February 1886.	72 of '85	Punjab Northern (5′ 6″).	Cranes, water, pillar.	6″ complete with piping and connections	265	600 1—2	No. 2	37	7	6	Each	4 10 1	Total	18 0	K.	
697	22nd April 1886	2 P. R. of '85.	Lucknow Sitapur (metre).		6″ ditto ditto ...	265	608 1—2	„ 12	36	7	6	„	27 2 1	„	12 0	B.	
705	7th June 1886 ...	7 of '86	Bellary Kistna (metre).		6″ ditto ditto ...	265	615 1—2	„ 14	36	0	0	„	31 12 2	„	27 0	M.	
728	9th October 1886	25 of '86	Sind Pishin (5′ 6″)		6″ ditto ditto ...	265	...	„ 24	26	0	0	„	60 1 2	„	15 0	K.	Drawings, per set £ 0 15 0 Photos, per copy 0 5 0
733	15th October 1886	26 of '86	Pishin Valley Reserve (5′ 6″).		6″ ditto ditto ...	265	...	„ 10	26	0	0	„	25 2 0	„	16 0	K.	

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
680	20th January 1886.	36 of '85	Sind Sagar (5′ 6″)	Engines, steam, pumping.	Six horse power. Double acting, with boilers and suction and delivery pipes complete.	...	607 1—13	No. 3	295	0	0	Each	24 5 3	Total	24 0	K.	
736	29th October 1886	25 & 26 of '85.	Sind Pishin and P. V. Reserve (5′ 6″).		Six horse power with boilers complete for supplying water for the use of locomotives from wells 100 feet deep. Each of the pumps is to have 27 feet of suction and 99 feet of delivery pipes in 9 feet lengths; also 2 short lengths, one of 4 feet and one of 6 feet, two quarter bends and one tee piece, and all necessary pump rods and guides for connecting the engines and pumps, the pumps being about 80 feet below the engine, each engine is to have the following duplicate parts: One complete set of spare valves for pumps. One complete set of piston rings for engines and pumps. One set of spare leathers for pumps. One complete set of connecting rod and main shaft brasses for both engine and pumps. Twelve glass tubes and rings for each boiler. One large spur wheel. One pinion.	547 1—11	...	„ 6	225	0	0	„	69 11 1	„	* 15 0 & 17 3	K.	* Two @ ... ... £ 0 15 0 Four „ 0 17 3

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING. CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any.) Original F.	India Office drawings (if any.) Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross weight. Weight. T. c. q.	Gross weight. Unit.	Entire sea freight per ton to port. Rate. s. d.	Entire sea freight per ton to port. Port.	Remarks.
736 (*concld.*)	29th October 1886	25 & 26 of '86.	Sind Pishin and P. V. Reserve (5′ 6″)	Engine, steam, pumping—*concld.*	The general dimensions of the engines, boilers and pumps are as follows: Diameter of steam cylinder 8 inches. Length of stroke ... 10 „ Diameter of boiler ... 3 ft. 2 „ Height of boiler ... 7 ft. Diameter of pump barrel 6 „ Stroke of pumps (double acting), 12 inches changeable to 8 inches. Number of pumps (double acting) two.										
721	9th August 1886	15 of '86	Sind Pishin (5′ 6″)	Fencing, barb.	Complete for two miles (single line) with four wires. The materials required for the above fencing are as follows: Barb wire ... 2¾ tons: Patent slotted standards 1,100 No. Pincers for standards ... 1 pair. Splices for standards ... 1 pair. Winding strainer for standards ... 1 No. Lever stretcher ... 1 No. Ten per cent. additional cast iron cross stays.	...	...	Miles 2	82 5 0	Mile	13 14 0	Total	12 0	K.	

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING. CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any.) Original F.	India Office drawings (if any.) Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate. s. d.	Entire sea freight per ton to port. Port.	Remarks.
715	25th June 1886...	1 of '86	Dhond and Manmad (5′ 6″).	Fencing, wire, strand; materials for—	Bolts, eye, straining galvanized with nuts and washers, weighing, 3·133 lbs. each.	...	...	Tons 4½	22 0 0	Ton	5 3 3	Total	12 0	B.	
717	10th August 1886	Ditto	Tirhoot (metre)		Bolts, eye, straining (ring bolts), galvanized ⅝″ diameter, 16″ long, each with one square nut and one washer 2″ diameter, $\frac{3}{16}$″ thick. Hole in bolt 1″ diameter.	...	...	No. 10,000 *T. c. q. lbs.* =7 16 2 22	234 15 7	Total	9 15 2	„	18 0	C.	
740	18th November 1886.	3 of '86	Burma (metre)...		Bolts, eye, straining galvanized each with two nuts and a washer.	...	...	No. 1,804 *c. q. lbs.* = 51 0 14	22 8 9	Ton	3 0 0	„	15 0	R.	
682	22nd January 1886.	76 of '85	Bhopal (5′ 6″) ...		Posts, iron (wrought) intermediate, for 5 wires.	...	...	No. 1,400	6 10 0	„	16 15 1	„	18 6	B.	Includes gross weight of 1,000 cast iron base sockets and 1,000 wrought iron wedges for cast iron sockets.
742	23rd November 1886.	3 of '86	Burma (metre) ...		Posts, iron (wrought) intermediate. (Estimated weight 12·2 lbs. each.)	...	...	No. 10,479 *T. c. q. lbs.* =56 2 3 0	4 15 6	„	58 18 3	„	15 0	R.	Includes gross weight of item marked (*a*) below.
„	Ditto	Ditto	Ditto ...		Posts, iron (wrought), stiffening (estimated weight 35·5 lbs. each.)	...	...	No. 164= *T. c. q. lbs.* 2 11 1 8	7 15 6	„	(*a*)	...	15 0	R.	Gross weight included in item above.
741	Ditto	Ditto	Ditto ...		Posts, iron (cast), straining (200 yards apart. Estimated weight 2 c. 1q. 7 lbs. each).	...	...	No. 182= *T. c. q. lbs.* 21 0 3 14	4 5 0	„	119 9 2	Total	25 0	R.	Includes gross weight, also of items marked (*b*) in next page.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross Weight. Weight.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
									£ s. d.		T. c. q.		s. d.		
682	22nd January 1886.	76 of '85	Bhopal (5′ 6″) ...	Fencing wire strand; materials for—*concld.*	Sockets (bases) for posts, pointed ...	...	...	No. 1,000	3 10 0	Ton	16 15 1	Total	18 6	B.	Includes gross weight of 1,400 wrought iron intermediate posts and 1,000 wedges for base sockets.
741	23rd November 1886.	3 of '86	Burma (metre) ...		Ditto (estimated weight 20 lbs. each).	...	...	No. 10,807= *T. c. q. lbs.* 96 9 3 8	3 6 9	„	(*b*)	„	25 0	R.	
682	22nd January 1886.	76 of '85	Bhopal (5′ 6″) ...		Wedges (wrought) for base sockets ...	...	...	No. 1,000	15 0 0	„	16 15 1	„	18 6	B.	Includes gross weight of 1,000 sockets and 1,400 intermediate posts.
741	23rd November 1886.	3 of '86	Burma (metre) ...		Wedges, wrought-iron (estimated weight 5·8 ozs. each).	...	...	No. 10,807= *T. c. q. lbs.* 1 14 3 24	12 0 0	„	(*b*)	„	25 0	R.	
679	14th January 1886.	76 of '85	Bhopal (5′ 6″) ...		Wire, strand, galvanized, 14 B. W. G. ...	...	...	Tons. 3	12 5 0	„	3 0 3	„	14 6	B.	£ s. d. For packing 0 7 0
691	10th April 1886	4 of '85	Nagpur and Chhattisgarh (metre).		Ditto ditto (in coils of 450 yards each).	...	...	6 coils = *T. c. q. lbs.* 0 10 0 24	16 15 0	„	0 10 1½	„	12 0	B.	
739	18th November 1886.	3 of '86	Burma (metre)		Ditto ditto (in coils of 450 yards each).	...	...	Coils 402= *T. c. q. lbs.* 32 4 0 13	10 19 9	„	32 6 2	„	15 0	R.	
729	12th October 1886.	25 & 26 of '86	Sind Pishin & P. V. Reserve (5′ 6″).	Hydrants.	Cast iron with hose and nozzles complete.	437	631 1—2	No. 24	7 5 0	Each	4 6 3	Total	15 0 & 20 0	K.	£ s. d. 12 @ 0 15 0 12 „ 0 20 0
					Photographs	...	...	...	0 1 0	„					
					Tracings	...	...	...	0 6 0	„					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross Weight. Weight.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
									£ s. d.		T. c. q.		s. d.		
730	14th October 1886.	25 & 26 of '86.	Sind Pishin & P. V. Reserve (5′ 6″).	Piping, cast iron, and connections for.	Piping, turned and bored, faucit and spigot, 6″ diameter, ⅜″ thick and in 9 feet lengths, coated inside and outside with Dr. Smith's varnish. (One 9 feet pipe weighs 2¾ cwt.)	...	...	L. ft. 20,843= *t. c.* 318 9	3 8 0	Ton	338 8 2	Total	16 5	K.	For wrought iron piping, see Rate List, Class G for 1886, Page 78.
„	Ditto ...	Ditto	Ditto ...		Bends, right angle for 6″ piping 1′ 6″ × 1′ 6″ × 10″ radius (each weighs 1½ cwts.)	...	...	No. 100= *t. c.* 7 10	7 10 0	„					
„	Ditto ...	Ditto	Ditto ...		Tee pieces for 6″ piping (each weighs 2½ cwt.)	...	...	„ 100= *t. c.* 12 10	7 10 0	„					
703	25th May 1886...	79 of '85	Nagpur Chhattisgarh (metre).		Bends, wrought iron for water service connections, 2″ inside diameter.	...	...	„ 4	0 1 6	Each					
„	Ditto ...	Ditto	Ditto ...		Ditto ditto 1½″ inside diameter	...	...	„ 2	0 1 0	„	0 1 0	„	12 6	B.	Cask £0-5-0.
„	Ditto ...	Ditto	Ditto ...		Ditto ditto 1″ inside diameter	...	...	„ 5	0 0 6	„					
G-1512	28th June 1886	2 of '86	Northern Bengal (metre).	Plates, iron, enamelled, mile marks.	For telegraph post. The plates are of ⅛″ thick wrought iron plate, 6″ square with four $\frac{2}{15}$″ holes at corners, covered on back and edges with dark grey enamel, and on the front with two, three, four, or five 2″ figures in white enamel on blue enamel ground.	...	...	No. 3,000	0 5 3	Dozen	1 9 3	Total	21 0	C.	

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire sea freight per ton to port. Rate. s. d.	Entire sea freight per ton to port. Port.	Remarks.
678	12th January 1886.	36 of '85	Sind Sagar (5′ 6″)	Presses, ticket dating.	To print date, with type complete and one pint of ink to each press.	381	...	No. 31	2 4 4	Each	0 11 2	Total	20 0	K.	* Includes the weight of 500 yards inking tape.
693	20th April 1886	16 of '85	Sind Punjab and Delhi (5′ 6″).		To print date (inking) with type and ink complete.	381	...	„ 24	2 4 0	„	*0 10 2	„	14 0	K.	Sea freight charged on measurement tonnage; actual gross weight cwt. 5-1-4.
699	21st April 1886	2 P.R. of '85.	Lucknow Sitapur, (metre).		To print date with type and type boxes complete.	381	...	„ 20	2 5 0	„	0 3 2	„	16 0	B.	Including £ 1-10-0 for packing and delivery for 20 Presses.
710	25th June 1886	1 of '86	Jorhat (2 feet) ...		To ink date with type and ink complete	...	...	„ 3	2 5 0	„	0 2 0	„	18 0	C.	Sea freight charged by measurement.
722	9th August 1886	Ditto	Burma (metre) ...		To print date with type and ink complete.	381	...	„ 10	2 4 6	„	0 6 0	„	27 6	R.	Ditto.
693	20th April 1886	16 of '85	Sind Punjab and Delhi (5′ 6″).		Tape, ticket dating, inking ...	...	...	Yds. 500	3 13 0	Total	...	...	...	K.	Weight included in that of Presses under this Contract.
695	19th April 1886	72 of '85	Punjab Northern (5′ 6″).		Ribbon, inked, $1\frac{1}{8}$″ wide, for ticket dating presses.	...	...	„ 200	1 9 2	„	Not known	...	14 0	K.	
698	20th April 1886	2 P. R. of '85.	Lucknow Sitapur (metre).	Pumps.	Double cylinder, hand power ...	$\frac{468}{1-4}$	617	No. 2	27 10 0	Each	4 8 2	Total	16 0	B.	
731	13th October 1886	25 & 26 of '86.	Sind Pishin and P. V. Reserve (5′ 6″).		Ditto ditto ...	$\frac{468}{1-4}$	$\frac{635}{1-4}$	„ 30	24 0 0	„	83 6 0	„	15 0	K.	Tracings, per set £ 0-12-0 and photo—per copy £ 0-4-6 extra.
744	1st December 1886	1 of '86	Toungoo Mandalay Railway (metre.)		Ditto ditto ($4\frac{1}{2}$″ barrel)...	...	$\frac{637}{1-4}$	„ 6	24 13 0	„	3 16 2	„	25 0	R.	
					All the above pumps are complete with wrought iron piping, &c., and duplicate parts.										

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit	Gross Weight. Weight. T. c. q.	Gross Weight. Unit	Entire sea freight per ton to port. Rate. s. d.	Entire sea freight per ton to port. Port.	Remarks.
681	18th January 1886	76 of '85	Bhopal (5′ 6″)	Roofing, iron, complete roofs.	ROOFING OVER GOODS SHED, 35 FEET SPAN, 102 FEET 6 INCHES LONG.				T. c. q. lbs.						
					Ungalvanized wrought and cast ironwork as under—	409	604	One roof	11 0 0 25	104 9 7	Total	11 1 3	Total	14 0	B.	For galvanized Ironwork required for this roofing, see page 11.
					T iron rafters 22′ 1″ × 4″ × 4″ × $\frac{7}{16}$″ at 11·6 lbs. per foot.	...	...	No. 26	2 19 1 24							
					T iron struts 4′ 5″ × 2″ × 3″ × $\frac{7}{16}$″ at 6·7 lbs. per foot.	...	...	„ 22	0 5 1 23							
					T iron struts 3′ 11″ × 2″ × 3″ × $\frac{7}{16}$″ at 6·7 lbs. per foot.	...	...	„ 22	0 4 3 6							
					T iron bearings 1′ 8″ × 6″ × 3″ × $\frac{1}{2}$″ at 14·6 lbs. per foot.	...	...	„ 22	0 4 3 2							
					Tie bars 9′ $7\frac{1}{2}$″ × 5″ × $\frac{1}{2}$″ at 8·35 lbs. per foot.	...	...	„ 22	0 15 3 0							
					Tie bars 15′ 4″ × $3\frac{1}{2}$″ × $\frac{1}{2}$″ at 5·84 lbs. per foot.	...	...	„ 11	0 8 3 15	10 0 0	Ton.					
					Tie bars 9′ $6\frac{1}{4}$″ × 3″ × $\frac{1}{2}$″ at 5·01 lbs. per foot.	...	...	„ 22	0 9 1 10							
					Apex gussets $\frac{5}{16}$″ thick	...	...	„ 22	0 3 0 0							
					Joint gussets on rafter $\frac{5}{8}$″ thick ...	...	...	„ 88	0 3 0 0							
					Shoe gussets on rafter $\frac{5}{16}$″ thick ...	...	...	„ 44	0 6 1 0							
					Tie bar gussets 1′ $11\frac{1}{2}$″ × $9\frac{1}{2}$″ × $\frac{5}{16}$″ ...	...	...	„ 44	0 7 3 2							
					Washerplates in wall 1′ 6″ × 4″ × $\frac{1}{2}$″ ...	...	...	„ 22	0 1 3 22							
					Holding down bolts, nuts and washers ...	...	...	„ 48	0 3 0 0	20 0 0	„					

Continued to next page.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or Quantity contracted for. Number.	Number or Quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross Weight. Weight.	Gross Weight. Unit.	Entire Sea Freight per ton to port. Rate.	Entire Sea Freight per ton to port. Port.	Remarks.
					Continued from page 9.				*T. c. q. lbs.*	£ s. d.		*T. c. q.*		*s. d.*		
681 (*concld.*)	18th January 1886	76 of '85,..	Bhopal (5' 6") ...	Roofing, iron, complete roofs—*contd.*	Angle iron purlins 20' × 3" × 3" × ⅜" at 7·03 lbs. per foot.	...	...	No. 34	2 2 3 0	8 0 0	Ton.					
					Angle iron purlins 25' × 3" × 3" × ⅜" at 7·03 lbs. per foot.	...	...	,, 12	0 18 3 9							
					Angle iron purlins 15' × 3" × 3" × ⅜" at 7·03 lbs. per foot.	...	...	,, 8	0 7 2 6							
					Angle iron brackets for purlins at Joints 9" × 3" × ⅜".	...	...	,, 44	0 2 0 8							
					Angle iron brackets for purlins 4" × 3" × 3" × ⅜".	...	...	,, 86	0 1 3 6							
					Wind ties ¾" diameter	...	...	,, 20	0 4 1 25	10 0 0	,,					
					Bolts and nuts for wind ties 4" long × ⅝" diameter.	...	...	,, 20	0 0 1 3							
					Bolts and nuts for wind ties 2¾" long × ⅝" diameter.	...	...	,, 5	0 0 0 6	20 0 0	,,					
					Rivets, including 50 per cent. extra, say	...	...	—	0 9 0 0							

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Numbers or Quantity contracted for. Number.	Numbers or Quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Rate F. O. B. in England. Unit.	Gross Weight. Weight.	Gross Weight. Unit.	Entire Sea Freight per ton to port. Rate.	Entire Sea Freight per ton to port. Port.	Remarks.
					Roofing over Goods shed 35 feet, span, 102 feet 6 inches long.				*T. c. q. lbs.*	£ s. d.		*T. c. q.*		*s. d.*		For ungalvanized Ironwork required for this roofing, see page 9.
					Galvanized iron work as under— ...	409	...	One roof	10 2 2 10	131 8 11	Total					
					Corrugated sheets 6 feet long and 2' 6" between centres of end corrugations.	...	...	No. 425	8 7 0 0	11 12 6	Ton.					
					Ridge plates 11 feet long, weighing 3·32 lbs. per square foot before galvanizing.	...	...	,, 12	0 7 0 19	16 2 6	,,					
					Wind bars, 20' 2" long	...	...	,, 43	0 9 3 9	11 12 6	,,					
					Ditto ditto 15' 1½" long ...	...	...	,, 22	0 3 3 22							
684	5th February 1886	76 of '85	Bhopal (5' 6")	Roofing, iron, in complete roofs—(*contd.*)	Clips (0·7 lbs. each) ...	...	...	,, 1,700	0 10 2 4	28 2 6	,,	11 5 2	Total	13 6	B.	
					Rivets, ½" diameter, and burrs for sheeting; including 30 per cent. extra.	...	...	,, 9,600	0 2 1 12							
					Rivets, 5/16" diameter, for clips and sheeting; including 30 per cent. extra.	...	...	,, 2,100	0 0 2 14							
					Rivets, 5/16" diameter, for clips, wind ties and sheeting; including 30 per cent. extra.	...	...	2,450	0 0 3 17	28 2 6	,,					
					Rivets, ½" diameter, and burrs for ridge plates; including 30 per cent. extra.	...	...	,, 800	0 0 0 15							
712	24th June 1886...	6 of '86	Cuddapah Nellore (metre).		Roofing over Engine sheds, 36 feet span, 133 feet, 4 inches long, including— 22 roof trusses, complete.											
					6 ditto ditto											
					58 angle bars for purlins, 25' long × 3" × 3" × ⅜".											

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion. F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.			Rate F. O. B. in England. Unit.	Gross weight. Weight.	Gross weight. Unit.	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
					ROOFING OVER ENGINE SHEDS, 36 FEET SPAN, 133 FEET 4 INCHES LONG.				*T. c. q. lbs.*	£	*s.*	*d.*		*T. c. q.*		*s. d.*		
712 (*concld.*)	24th June 1886	6 of '86	Cuddapah Nellore (metre.)	Roofing, iron, in complete roofs—*contd.*	*Continued from page 11.*													
					11 angle bars for purlins, 15' long × 3″ × 3″ × ⅜″.													
					13 angle bars for purlins, 25' long × 3″ × 3″ × ⅜″.													
					79 knees for purlins.													
					58 joint knees for purlins.													
					24 diagonal wind ties, together with all requisite bolts, nuts, washers and rivets.													
					Ungalvanized wrought and cast iron work as under—	561	621 1—2	2 Roofs	29 3 0 20	341	8	0	Total	30 15 1	Total	22 0	M.	For galvanized Ironwork required for these roofs, see page 13.
					For one roof.													
					T bar rafters	...	...	...	3 2 3 26									
					T bar struts	...	...	...	0 13 2 7									
					Flat bar ties	...	...	...	2 4 0 20									
					T bar shoes	...	...	...	0 5 2 2	12	2	0	Ton.					
					Gusset plates	...	...	...	1 7 1 18									
					Standards for ventilators	...	...	...	0 3 1 20									
					Washer plates for holding-down bolts ...	...	...	...	0 2 1 26									
					Holding-down bolts and washers ...	...	...	...	0 3 1 21	20	0	0	,,					
					Angle bar purlins and brackets ...	...	...	...	5 8 2 2	10	0	0	,,					
					Wind ties, ¾ inch diameter ...	...	...	...	0 4 1 21	12	2	0	,,					
					Bolts for ditto	...	...	...	0 0 1 8									
					Rivet heads and spare rivets, say 5 per cent.	...	...	...	0 13 3 7	20	0	0	,,					
					Service bolts and washers	...	...	...	0 1 2 0									

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.			Rate F. O. B. in England. Unit	Gross weight. Weight.	Gross weight. Unit	Entire sea freight per ton to port. Rate.	Entire sea freight per ton to port. Port.	Remarks.
					ROOFING OVER ENGINE SHEDS, 36 FEET SPAN, 133 FEET 4 INCHES LONG.				*T. c. q. lbs.*	£	*s.*	*d.*		*T. c. q.*		*s. d.*		
714	24th June 1886	6 of '86...	Cuddapah Nellore (metre).	Roofing, iron, complete roofs—*concld.*	*Galvanized ironwork as under* — ...	561	...	Two roo s	22 19 2 0	272	7	2	Total	25 12 0	Total	25 0	M.	For ungalvanized Ironwork required for these roofs, see page 12.
					For one roof—													
					Corrugated sheets, 6' 2″ long × 2' 6″ centres, each 44·4 lbs.	...	...	No. 444	8 16 0 2	10	15	0	Ton.					
					Corrugated sheets, 3' 7″ long × 2' 6″ centres, each 25·8 lbs.	...	...	,, 57	0 13 0 15									
					Ridge plates at ends, 5' 4″ × 1' 9″ × ⅛″.	...	...	,, 2	0 0 3 13	0	3	6	Lineal foot.					
					Wind bars, 20' 3″ × 1½″ × ¼″ ...	...	...	,, 58										
					Ditto 25' 7½″ × 1½″ × ¼″ ...	...	...	,, 13	0 19 0 6	10	0	0	Ton.					
					Ditto 15' 7½″ × 1½″ × ¼″ ...	...	...	,, 11										
					Sheet clips, 7 lbs. each	...	...	,, 2,016	0 12 2 11	22	0	0	,,					
					Gutters and covers	...	...	,, 5	0 4 1 16	0	3	6	Lineal foot.					
					Rivets and burrs for sheeting ...	...	...	,, 11,600	0 1 1 23									
					Rivets for clips, $\frac{5}{16}$ inch diameter ...	...	...	,, 6,100	0 1 3 0	22	0	0	Ton.					
					Rivets for gutters ¾ inch diameter ...	...	...	,, 160	0 0 0 3									
					Zinc flashing 7' 9″ × 9″ × No. 16 zinc gauge, and 26 oz. per square foot.	...	...	Lengths 6	0 0 1 23	26	0	0	Cwt.					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for. Number.	Number or quantity contracted for. Weight.	Rate F. O. B. in England. Amount.	Unit.	Gross weight. Weight.	Unit.	Entire sea freight per ton to port. Rate.	Port.	Remarks.
									T. c. q. lbs.	£ *s. d.*		*T. c. q.*		*s. d.*		
713	24th June 1886	2 of '86-'87	Northern Bengal (metre).	Roofing, iron, spare parts of—	Sheets, iron, corrugated, galvanized, 6 feet long × 2' 9" × 20 B. W. G.	...	...	No. 355	4 12 0 6	10 15 0	Ton	38 18 1	Total	Not known.	C.	
					Sheets, iron, corrugated, galvanized, 7 feet long × 2' 9" × 20 B. W. G.	...	...	„ 484	7 15 1 27							
					Sheets, iron, corrugated, galvanized, 8 feet long × 2' 9" × 20 B. W. G.	...	...	„ 1,411	25 6 3 27							
					Guttering, 7 feet long × 14 B. W. G. ...	601 & 602	...	„ 350	5 18 3 0	0 0 9	Lineal foot.	8 18 0	„	„	C.	
					Ridging, 6 feet long × 16 B. W. G. ...			„ 375	2 3 2 3	0 0 5	„					
687	9th March 1886	15 of '85	Sind Punjab and Delhi. (5' 6")		Sheets, iron, corrugated, galvanized, for wagons, 8 feet 6 inch radius, 11 feet long × 2 feet 11 inches × 18 B. W. G.	...	...	„ 400	12 11 0 4	13 17 6	Ton	45 16 2	„	16 9	K.	Sea freight charged on measurement tonnage. Actual gross weight Tons 17 18 0 18 This Contract should have been let under class E, Rolling stock.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office drawings (if any). Original F.	India Office drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount.	Unit.	Gross weight. Weight.	Unit.	Entire sea freight per ton to port. Rate.	Port.	Remarks.
									£ *s. d.*		*T. c. q.*		*s. d.*		
700	20th April 1886	2 of '86	Katni Umaria (Billaspur Etawa).	Signals, semaphore, distant.	Complete, except post and spare lamps	404 1—6 / 404 9—10	609 1—11	Sets 2	18 3 0	Set	...	...	16 0	B.	6 photos and 3 sets of tracings, £ 4-16-3.
„	Ditto ...	2 P. R. of '85.	Lucknow Sitapur Sihramau.		Complete, exclusive of posts ...	„	„	„ 28	18 3 0	„	* 38 19 2	Total	16 0	B.	* Includes gross weight of Items marked (*c*) below and on page 16.
708	22nd June 1886	7 of '86	Bellary Kistna ...		Ditto ditto ...	„	619 1—11	„ 36	18 3 0	„	† 74 11 2	„	22 0	M.	† Includes gross weight of Items marked (*d*) below and on page 16.
725	8th September 1886.	3 of '86	Burma ...		Ditto ditto ...	„	623 1—11	„ 4	18 3 0	„	‡ 5 4 1	„	25 0	R.	‡ Includes gross weight of Items marked X on page 16.
727	7th October 1886	25 of '86	Sind Pishin ...		Ditto ditto ...	„	...	„ 23	18 3 0	„	§ 29 17 1	„	25 0	K.	§ Includes gross weight of Items marked (*e*) on pages 16 and 17.
735	29th October 1886.	26 of '86	Pishin Valley Reserve.		Ditto ditto ...	„	636 1—11	„ 20	18 3 0	„	¶ 26 7 3	„	30 0	K.	¶ Includes gross weight of Items marked (*f*) on pages 16 and 17.
700	20th April 1886	2 of '86	Katni Umaria (Billaspur Etawa).	Signals, semaphore, station.	Complete, except post and spare lamps	404 1—6 / 404 9—10	609 1—11	Set 1	6 1 0	Set	...	...	16 0	B.	(*c*) and (*d*)—*Vide* remarks above.
„	Ditto ...	2 P. R. of '85.	Lucknow Sitapur Sihramau.		Complete, exclusive of posts ...	„	„	„ 11	6 1 0	„	(*c*)	...	16 0	B.	
708	22nd June 1886	7 of '86	Bellary Kistna...		Ditto ditto ...	„	619 1—11	„ 18	6 1 0	„	(*d*)	...	22 0	M.	

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Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CONTRACT. Number F.	CONTRACT. Date.	Number of Indent.	For what Railway.	Articles.	Details.	INDIA OFFICE DRAWINGS (IF ANY). Original F.	INDIA OFFICE DRAWINGS (IF ANY). Completion F.	Number or quantity contracted for.	RATE F. O. B. IN ENGLAND. Amount. £ s. d.	RATE F. O. B. IN ENGLAND. Unit.	GROSS WEIGHT. Weight. T. c. q.	GROSS WEIGHT. Unit.	ENTIRE SEA FREIGHT PER TON TO PORT. Rate. s. d.	ENTIRE SEA FREIGHT PER TON TO PORT. Port.	REMARKS.
725	8th September 1886.	3 of '86...	Burma ...	Signals, semaphore, station—*concld.*	Complete, exclusive of posts ...	406 1—6 404 9—10	623 1—11	Sets 2	6 1 0	Set	(X)	...	25 0	R.	NOTE.—Photos @ £ 0-1-0 per copy Tracings @ £ 1-12-1 per set charged for signals.
727	7th October 1886	25 of '86	Sind Pishin ...		Ditto ditto ...	,, ...	,, 9	6 1 0	,,	(e)	...	25 0	K.		
735	29th October 1886	26 of '86	Pishin Valley Reserve.		Ditto ditto ...	,,	636 1—11	,, 10	6 1 0	,,	(f)	...	30 0	K.	
700	20th April 1886	2 P. R. of '85	Lucknow Sitapur Sihramau.	Signals, spare parts of—	Glasses for spectacles, large, red			No. 108	0 0 11	Each	(c)	...	16 0	B.	(c), (d), (e), (f) and (X)—*Vide* remarks on page 15.
		2 of '86	Katni Umaria ...		Ditto ditto green			,, 48	0 1 2	,,					
					Ditto small do.			,, 60	0 0 5	,,					
					Wicks			Gross 42	0 1 7	Gross					
708	22nd June 1886	7 of '86	Bellary Kistna...		Glasses for spectacles, large, red			No. 144	0 0 11	Each	(d)	...	22 0	M.	
					Ditto ditto ditto, green			,, 72	0 1 2	,,					
					Ditto ditto small, green			,, 72	0 0 5	,,					
					Wicks			Gross 54	0 1 7	Gross					
725	8th September 1886.	3 of '86	Burma ...		Glasses for spectacles, large, red			No. 16	0 0 11	Each	(X)	...	25 0	R.	
					Ditto ditto green			,, 8	0 1 2	,,					
					Ditto small, ditto			,, 8	0 0 5	,,					
					Wicks			Gross 6	0 1 7	Gross					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

CONTRACT. Number F.	CONTRACT. Date.	Number of Indent.	For what Railway.	Articles.	Details.	INDIA OFFICE DRAWINGS (IF ANY). Original F.	INDIA OFFICE DRAWINGS (IF ANY). Completion F.	Number or quantity contracted for.	RATE F. O. B. IN ENGLAND. Amount. £ s. d.	RATE F. O. B. IN ENGLAND. Unit.	GROSS WEIGHT. Weight. T. c. q.	GROSS WEIGHT. Unit.	ENTIRE SEA FREIGHT PER TON TO PORT. Rate. s. d.	ENTIRE SEA FREIGHT PER TON TO PORT. Port.	REMARKS.
727	7th October 1886	25 of '86	Sind Pishin ...	Signals, spare parts of—*concld.*	Glasses for spectacles, large, red			No. 82	0 0 11	Each	(e)	...	25 0	K.	(e) and (f)—*Vide* remarks on page 15.
					Ditto ditto ditto, green			,, 36	0 1 2	,,					
					Ditto ditto small ditto			,, 46	0 0 5	,,					
					Wicks			Gross 32	0 1 7	Gross					
735	29th October 1886	26 of '86	Pishin Valley Reserve.		Glasses for spectacles, large, red			No. 80	0 0 11	Each	(f)	...	30 0	K.	
					Ditto ditto ditto, green			,, 40	0 1 2	,,					
					Ditto ditto small, ditto			,, 40	0 0 5	,,					
					Wicks			Gross 30	0 1 7	Gross					
694	19th April 1886	15 of '85	Sind, Punjab and Delhi ...	Signals; semaphore, parts of—	Wind lasses for distant signals, complete, with bolts, and coach screws, and including leading wheel centres and chain, as per Indian State Railways Standard specification for signals, as far as applicable.	...	...	No. 20	3 0 0	Each.	7 16 2	Total	14 0	K.	Sea freight charged on measurement tonnage. Actual gross weight Tons 3 0 2 24.
732	14th October 1886	25 of '86 and 26 of '86	Sind-Pishin and Pishin Valley Reserve.	Tanks, wrought-iron.	Complete 8′ × 8′ × 4′ ... T. c. q. lbs. Weight of one tank 1 4 3 4 ...	260	638	No. 131	10 13 10	Each.	166 15 3	Total	*17 0	K.	*T. c. q. 74 19 1 @ £ 0-17-0 per ton. 91 16 2 @ £ 0-20-0 do.
					Cast iron connection pipes for ditto, each with 9 bolts and nuts 2¼″ × ⅝″.	...	....	,, 65	0 4 8	Set.			20 0	K.	
745	17th December 1886.	33 of '86	Bellary Kistna...		Complete, 8′ × 8′ × 4′ ...	260	...	,, 30	10 16 10	Each.	39 0 1	Total	22 0	M.	
					Cast iron connection pipes for ditto, each with 9 bolts and nuts 2¼″ × ⅝″ ...	...	...	,, 15	0 4 8	Set.					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number. F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross Weight. Weight. T. c. q.	Unit.	Entire Sea Freight per ton to Port. Rate. s. d.	Port.	Remarks.
702	20th May 1886 ...	1 of '86	Eastern Bengal	Tickets, card, railway.	Blue	...	...	No. 500,000	0	0	9¾	1,000	11 18 0	...	21 0	C.	Sea freight charged by measurement. Includes the gross weight of the items marked (*h*) below.
719	27th July 1886...	1 of '86	Burma ...		Ditto with B. S. R.	...	...	„ 20,000	0	0	10⅛	„	(*h*)	...	27 6	R.	
746	29th December 1886.	7 of '86	North Western		Crimson, single, intermediate ...	...	...	„ 200,000	0	0	10⅛	„	19 3 2	Total	20 0	K.	Includes gross weight of 10,000,000 yellow tickets.
702	20th May 1886...	1 of '86	Eastern Bengal		Ditto intermediate, return ...	...	...	„ 500,000	0	0	9¾	„	(*h*)	...	21 0	C.	
702	20th May 1886...	1 of '86	Ditto ...		Green, 2nd class, return ...	...	...	„ 100,000	0	0	9¾	„	(*h*)	...	21 0	C.	
743	25th November 1886.	1 of '86	Nagpur Chattisgarh.		Red, single	...	...	„ 30,000	0	0	8¾	„				...	
„	Ditto ...	Ditto	Ditto ...		White, single	...	...	„ 5,000	0	0	8¾	„	3 4 0	Total	16 6	B.	Includes gross weight of the 2 items marked (*g*) below. Packing and delivery on contract No. 743, £8-19-6.
„	Ditto ...	Ditto	Ditto ...		„ return	...	...	„ 3,000	0	0	8¾	„					

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross Weight. Weight. T. c. q.	Unit.	Entire Sea Freight per ton to Port. Rate. s. d.	Port.	Remarks.
702	20th May 1886...	1 of '86 ...	Eastern Bengal	Tickets, card, railway—*concld.*	Yellow, 3rd class, single	...	...	No. 5,000,000	0	0	9¾	1,000	(*h*)	...	21 0	C.	
719	27th July 1886	1 of '86 ...	Burma ...		Ditto Ditto with B. S. R.	...	...	„ 4,245,000	0	0	10⅛	„	8 0 2	Total	27 6	R.	Sea freight charged on measurement tonnage. Includes gross weight of item marked (*h*) on page 18.
689	10th April 1886	79 of '85...	Nagpur Chhattisgarh.		Ditto Ditto with I. S. R.	...	...	„ 1,000,000	0	0	10	„	2 1 2	Total	12 0	B.	
743	25th November 1886.	1 of '86 ...	Ditto ...		Ditto Ditto	...	...	„ 1,500,000	0	0	8¾	„	(*g*)	...	16 6	B.	
746	29th December 1886.	7 of '86 ...	North Western		Ditto ditto 3rd class ...	...	...	„ 10,000,000	0	0	10⅛	„	19 3 2	Total	20 0	K.	Includes also gross weight of 200,000 Crimson Tickets.
743	25th November 1886.	1 of '86 ...	Nagpur Chattisgarh.		Ditto Return	...	...	„ 50,000	0	0	8¾	„	(*g*)	...	16 6	B.	
675	7th January 1886	36 of '85	Sind Sagar (5' 6")	Traversers.	Carriage and wagon, 5' 6" gauge, 15 ft.	167	599	No. 1	72	10	0	Each	2 12 3	Each	17 9	K.	
706	7th June 1886 ...	7 of '86	Bellary Kistna (metre).		Ditto metre gauge ...	328	616	„ 13	78	0	0	„	7 5 0	Total	35 0	M.	
674	7th January 1888	36 of '85	Sind Sagar (5' 6")	Turn table, carriage, & wagon.	16 feet diameter, suited to the 5' 6" gauge.	323	598	No. 1	160	0	0	Each	6 13 1	Each	15 6	K.	

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s. d.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire Sea Freight per ton to port. Rate. s. d.	Entire Sea Freight per ton to port. Port.	Remarks.
676	7th January 1886	36 of '85	Sind Sagar (5' 6")	Turntables, engine.	50 feet diameter, suited to the 5' 6" gauge, each capable of turning an engine and tender weighing 80 tons.	559	605 1—3	No. 9	515 0 0	Each	307 0 0	Total	From 15*s.* to 25*s.*	K.	
704	25th May 1886	9 of '86	Bolan (5' 6") ...		Ditto ditto ...	559	618 1—3	„ 1	515 0 0	„	34 2 2	Each	20 0	K.	
724	22nd September 1886.	25 of '86	Sind Pishin (5' 6")		Ditto ditto ...	559	630 1—3	„ 4	500 0 0	„	136 10 0	Total	From 15*s.* to 29*s.* 9*d.*	K.	
734	27th October 1886	27 of '86 & 26 of '86	Ferozepore Bridge Works & P. W. Reserve		50 feet diameter, 5' 6" gauge, each capable of turning an engine and tender weighing 80 tons.	559	...	„ 3	495 0 0 in Glasgow.	Each	102 7 2	Total	From 18*s.* to 27*s.* 9*d.*	K.	

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £ s.	Rate F. O. B. in England. Unit.	Gross Weight. Weight. T. c. q.	Gross Weight. Unit.	Entire Sea Freight per ton to port. Rate. s. d.	Entire Sea Freight per ton to port. Port.	Remarks.
692	15th April 1886	2 P. R. of '85.	Lucknow Sitapur Sihramau (metre).	Turntables, engine—*concld.*	36 feet diameter, metre gauge ...	329	613 1—3	No. 2	215 0	Each	23 7 0	Total	13 9	B.	
696	19th April 1886	C. S. K's 16 of '85.	Sind Punjab and Delhi.	Watches, guard's.	Waltham, keyless	...	...	No. 24	2 10	Each	0 0 2	Total	14 0	K.	Sea freight charged on measurement tonnage. Actual gross weight 21 lbs.
707	21st June 1886...	2 of '86	Northern Bengal		Open-faced, keyless, as supplied on Contract No. F621 of 1885.	...	...	„ 6	3 10	„	...	...	...	C.	Total gross weight 15 lbs. Sea freight one per cent. on value.
738	2nd November 1886.	3 of '86	Burma ...		Ditto to be marked "B. S. R." on back.	...	...	„ 12	3 10	„	0 0 2	Total	27 6	R.	Sea freight charged on measurement tonnage.
696	19th April 1886	72 of '85	Punjab Northern	Watches, guards, spare parts of—	*Fittings for American Watch Company's keyless guard's watches:—*										
					Glasses	...	...	Doz. 4	0 3	Total	See next page.			K.	
					Holes, jewel (cock)	...	...	„ 2	0 13	„					
					Ditto (foot)	...	...	„ 2	0 13	„					
					Hands, steel (pairs)	...	...	„ 1	0 3	„					
					Pallets, round	...	...	„ 1	0 6	„					
					Ditto and lever	...	...	No. 6	0 16	„					
					Pins, ruby	...	...	Doz. 2	0 3	„					
					Springs hair	...	...	„ 3	0 17	„					

INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—contd.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q. lbs	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
					Continued from last page. *Fittings for American Watch Company's Keyless Guard's watches*—concld.												
69 *concld.*	19th April 1886	72 of '85	Punjab Northern	Watches, guards, spare parts of—*concld.*	Springs, main	...	...	Doz. 3	0	12	9	Total					
					Staff balance	...	...	„ 3	1	18	3	„					
					Stones jewel, end (cock)	...	...	„ 2	0	10	2	„					
					Ditto do. (foot)	...	...	„ 2	0	10	2	„	0 0 0 11	Total	Not known.	K.	
					Ditto pallet (pairs)	...	...	„ 1	0	10	2	„					
					Studs metal, winding	...	...	„ 1	0	12	0	„					
					Wheels, action, keyless	...	...	Sets. 3	1	0	5	„					
688	11th March 1886	...	Punjab Northern		New movements	...	...	No. 8	1	18	0	Each	0 0 2 0	„	20 0 In full	K.	
„	Ditto	...	Ditto		Repairs to watches	...	...	„ 11	3	15	0	Total					
673	9th January 1886	36 of '85	Sind-Sagar ...	Weighing machines.	Platform, with steel yards, to weigh up to 14 maunds.	... 610/1—4 611/1—4		No. 31	9	10	0	Each	40 17 0	Total	16 9 / 13 3 / 16 6	K.	
„	Ditto	Ditto ...	Ditto ...		Platform, with steel yards, to weigh up to 28 maunds.	...	„	„ 36	11	0	0	„					
686	3rd March 1886	72 of '85	Punjab Northern		Platform, with steel yards, to weigh up to 1 ton.	... 612/1—4		„ 2	12	10	0	„	1 7 2	„	20 0	K.	
701	20th April 1886	2 P. R. of 1885.	Lucknow Sitapur Sihramau.		Platform, with steel yards, to weigh up to 28 maunds.	...	614	„ 20	11	13	0	„	16 11 2	„	13 9	B.	Tracing 10*s.* per set, photo 1*s.*

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INDIAN STATE RAILWAYS.

CLASS F—STATION MATERIALS AND FENCING.

CLASS F—STATION MATERIALS AND FENCING.

Statement shewing rates free on board in England, gross weight and sea freight per ton, of articles contracted for by the India Office from January to December 1886—concld.

Contract. Number F.	Contract. Date.	Number of Indent.	For what Railway.	Articles.	Details.	India Office Drawings (if any). Original F.	India Office Drawings (if any). Completion F.	Number or quantity contracted for.	Rate F. O. B. in England. Amount. £	s.	d.	Unit.	Gross weight. Weight. T. c. q.	Unit.	Entire sea freight per ton to port. Rate. s. d.	Port.	Remarks.
726	20th September 1886.	25 of '86	Sind Pishin ...	Weighing machines—*concld.*	Platform, with steel yards, to weigh up to 28 maunds.	...	...	No. 20	12	0	0	Each	16 19 2	Total	14 9	K.	Tracing 10 *s.* per set, photo 2*s.* per copy.
723	10th August 1886	1 of '86	Burma ...		Platform, with steel yards, to weigh up to 154 viss (cwt. 2, qrs. 3, lbs. 14); with steel yards graduated for English and Burmese weights (100 ticuls = 1 viss = 3·65 lbs).	...	625/1—4	„ 10	9	0	0	„	3 14 0	„	25 0	R.	Sea freight charged on measurement tonnage.

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Ports:—B—Bombay; C—Calcutta; K—Kurrachee; M—Madras; R—Rangoon.

G. F. WILSON, Captain, R.E.,

for Director General of Railways.

514/32

SECRETARY TO GOVERNMENT, P.W. DEPARTMENT, MADRAS. 25 DEC. 88

T. R

[*General Distribution.*]

Circular No. 24.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

TO

THE DIRECTOR, NORTH-WESTERN RAILWAY.
THE SUPERINTENDENT OF WAY AND WORKS, CUDDAPAH-NELLORE STATE RAILWAY.
THE ENGINEER-IN-CHIEF, SIND-PISHIN STATE RAILWAY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, BOMBAY.

Simla, the 5th December 1888.

SIR,

I have the honour to forward, for information and guidance, a printed statement showing the rates free on board in England, the gross weight and the entire sea freight per ton to Indian Ports, of F Class State Railway Stores—"Station Materials and Fencing"—contracted for by the India Office during the year 1886.

2. The rates for landing State Railway Stores from vessels at the several ports in India and the official rate of exchange during the year are given in the circulars quoted on the margin. An insurance charge of one per cent. should be added in addition to other incidental charges to arrive at the cost of stores delivered at Port.

Director General of Railways' Circular No. 2 of 12th April 1888.
Director General of Railways' Circular No. 6 of 22nd June 1888.

I have the honour to be,

SIR,

Your most obedient Servant,

G. F. WILSON, Captain, R.E.,
for Director General.

Document accompanying.

Rate List, Class F—Station Materials and Fencing for 1886.

51 A

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, Assam, and Coorg, Public Works Department.
The Secretaries to the Residents, Hyderabad and Mysore, Public Works Department.
The Secretaries to the Agents to the Governor General, Rajputana, Central India, and Biluchistan, Public Works Department.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director General of Telegraphs.
The Inspector General of Military Works.
The Accountant General, Public Works Department.
The Comptroller General.
The Accountant General, Bengal.
The Consulting Engineers for Railways, Madras and Bombay.
The Consulting Engineers to the Government of India for Railways, Calcutta and Lucknow.
The Consulting Engineer to the Government of India for Railways, Central Division, Jubbulpore.
The Agent and General Manager, Assam Railways and Trading Company, Limited.

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

L. F. Nicholson Captain, R.E.,
for Director General.

To The Secretary to the Government of Madras
Public Works Department.

I submit two spare copies.
Will follow

33 32

51 A
51 A
33

34
34 33

From

THE DIRECTOR GENERA
OF RAIL

To

THE

Circular No. 24.

Dated Simla, the 5th December 1888.

Received

INDIAN STATE RAILWAYS

Rate List, Class F—Station Mate
Fencing for 1886.

G. C. Press, Simla.—No. 1361 P. W. D.—18-12