Enclosure to Director General of Railways' Circular No. 3 of 1894.

RATE LIST.

CLASS A.

BRIDGEWORK

FOR 1893.

G. C. Press, Simla.—No. 1758 P. W. D.—23-7-94.—904.

STATEMENT showing the average rates per ton for entire Sea Freight on Bridgework sent out from England to the several ports in India for State Railways of both gauges during 1893.

Description of girders.	Karachi.	Bombay.	Calcutta.	Coconada or Vizagapatam.	Rangoon.	Remarks.
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	
Clear span 6 feet	...	...	27 6	...	25 0	
„ 10 „	...	...	30 0	...	25 0	
„ 12 „	...	...	...	20 0	...	
„ 20 „	15 6	...	27 11	16 9	22 6	
„ 30 „	20 0	...	...	...	...	
„ 40 „	*15 0	...	36 8	17 3	24 2	*30 shillings per ton for girder spans of 32, 41 and 44 feet Kurrachee during 1893.
„ 60 „	15 0	...	28 1	...	23 4	
„ 70 „	...	...	...	25 0	...	
„ 80 „	15 6	...	...	...	...	
„ 100 „	13 0	...	25 5	23 0	23 9	
„ 232 „	20 0	...	...	...	...	

NOTE.—Where rates have not been quoted, it should be understood that girders of the dimensions specified were not imported during the year.

CLASS OF STORES. A.—BRIDGEWORK.

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	*s.*	*d.*		
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	2	10	3	7	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
28/77	2-11-93	2	Madhaf Delay	Upper	For all bolts, nuts, and washers, except service bolts	0	0	2	7	14	10	0	,,	
				For all service bolts, nuts, and washers	0	0	0	21	16	10	0	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**2**	**11**	**2**	**7**	**26**	**18**	**6**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	1	3	3	0	9	0	0	Ton.	
27/77	13-10-93	12	East Coast	Do.	For all bolts, nuts, and washers, except service bolts	0	1	1	14	20	10	0	,,	
					For all service bolts, nuts, and washers	0	0	0	7	20	10	0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	**1**	**5**	**0**	**21**	**12**	**3**	**3**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, and spare rivets ...	5	0	1	0	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers, except service bolts	0	0	2	7	14	10	0	,,	
28/46	2-11-93	12	Mushkaf-Bolan	Upper	0	0	1	14	16	10	0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	5	1	0	21	52	14	7	Span.	
				For all steel in girder work, including rivets and spare rivets ...	3	15	3	21	9	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	1	1	14	18	10	0	,,	
22/357	31-5-93	20	East Coast	Do.									
				For all service bolts, nuts and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	3	17	2	21	36	4	7	Span.	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, and spare rivets ...	3	15	3	21	8	15	0	Ton.	
				For all bolts, nuts, and washers ...	0	1	1	14	18	10	0	,,	
25/420	28-8-93	20	East Coast	Upper									
				For all service bolts, nuts, and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c.	3	17	2	21	34	16	4	Span.	
				For all steel in girder work, including rivets, and spare rivets ...	9	17	3	14	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0	0	2	7	14	10	0	,,	
28/46	2-11-93	20	Mushkaf-Bolan	Do.									
				For all service bolts, nuts, and washers	0	0	3	0	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c.	9	19	0	21	103	13	6	Span.	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	RATE—FREE ON BOARD. Amount.	RATE—FREE ON BOARD. Unit.	REMARKS.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	14 4 1 0	10 7 6	Ton.	
				For all service bolts, nuts, and washers	*0 1 2 0*	*19 0 0*	,,	
18/77 10-1-93	41′ 6″ over all	North Western	Upper	**Girders, plate, 41 ft., 6 inches, (over all), complete, with bolts, rivets, &c. ... ...**	**14 5 3 0**	**148 17 7**	**Span.**	
				For all steel in girder work, including rivets, and spare rivets	15 11 1 0	10 7 6	Ton.	
				For all service bolts, nuts, and washers	0 1 2 0	19 0 0	,,	
18/77 10-1-93	44 over all	Do.	Do.	**Girders, plate, 44 ft., (over all), complete, with bolts, rivets, &c. ... ...**	**15 12 3 0**	**162 17 9**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	RATE—FREE ON BOARD. Amount.	RATE—FREE ON BOARD. Unit.	REMARKS.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	16 19 2 14	10 2 6	Ton.	
				For all service bolts, nuts, and washers	0 1 2 0	19 0 0	,,	
27/177 23-10-93	44	North Western	Upper *corrugated decking.*	***Girders, plate, 44 ft., (over all), complete, with rivets, spare rivets, &c. ... ...***	**17 1 0 14**	**173 7 3**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	26 12 0 0	9 7 6	Ton.	
				For all bolts, nuts, and washers ...	0 4 3 0	16 12 6	,,	
25/298 19-8-93	60	Bina-Guna	Upper	For all service bolts, nuts, and washers	0 3 0 0	15 2 6	,,	
				Girders, plate, 60 ft., complete, with bolts, rivets, &c.	**26 19 3 0**	**255 12 0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	*s.*	*d.*		
				For all steel in girder work, including rivets, and spare rivets ...	22	17	1	7	10	5	0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	4	1	7	20	10	0	,,	
20				For all service bolts, nuts and washers	0	3	0	0	14	10	0	,,	
	over all			**Girders, (Special) plate, 60 ft., (over all), complete, with bolts, rivets, &c. ... ...**	**23**	**4**	**2**	**14**	**240**	**19**	**4**	**Span.**	Depth 4′ 6″ Bed plates, 3 feet long.
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	44	11	3	0	9	12	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
28/337	**25-11-93**	**60**	**Mushkaf-Bolan**	**Do.**	For all bolts, nuts, and washers ...	0	1	3	7	18	10	6	,,	
				For all service bolts, nuts and washers	0	3	0	0	15	10	6	,,	
				Girders, plate, 60 ft., complete, with bolts, rivets, &c.	**44**	**16**	**2**	**7**	**433**	**3**	**3**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	*s.*	*d.*		
				For all steel in girder work including rivets, spare rivets and rivet, rods ...	44	11	3	0	9	15	0	Ton.	
28/338	**25-11-93**	**60**	**Mushkaf-Bolan**	**Upper**	For all bolts, nuts, and washers ...	0	1	3	7	15	10	0	,,	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all service bolts, nuts, and washers	0	3	0	0	15	10	0	,,	
				Girders, plate, 60 ft. complete, with bolts, rivets, &c...	**44**	**16**	**2**	**7**	**438**	**9**	**1**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods	28	13	3	14	10	7	6	Ton.	
18/114	**11-1-93**	**62′ 4″ over all**	**North Western**	**Do.**	For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
					For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
				Girders, plate, 62 ft. 4 in., (over all), complete, with rivets, spare rivets, &c. ...	**28**	**18**	**0**	**0**	**300**	**12**	**0**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Rate—Free on board. Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods.	29	2	3	14	10	7	6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
				For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
114		over all		**Girders, plate, 63 ft. 6 in. (over all.), complete, with rivets, spare rivets, &c. ... ...**	**29**	**7**	**0**	**0**	**305**	**5**	**0**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods.	29	10	3	14	10	7	6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
18/114	11-1-93	65 over all	Do.	Do.	For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
				Girders, plate, 65 ft. (over all), complete, with rivets, spare rivets, &c.	**29**	**15**	**0**	**0**	**309**	**10**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Rate—Free on board. Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, spare rivets and rivet rods ...	41	3	3	14	9	14	0	Ton.	
				For all bolts, nuts, and washers ...	0	2	1	14	9	14	0	,,	
24/353	26-7-93	70	East Coast	Upper	For all service bolts, nuts, and washers	0	3	0	0	9	14	0	,,	
				Girders, plate, 70 ft., complete,	—	—	—	—	[illegible]	9	10	Span.	
				For all steel in girder work, including rivets, rivet rods and spare rivets ...	41	3	3	14	9	14	6	Ton.	
				For all bolts, nuts, and washers ...	0	2	1	14	20	0	0	,,	
24/354	26-7-93	70	Do.	Do.	For all service bolts, nuts, and washers	0	3	0	0	14	0	0	,,	
				Girders,* plate, 70 ft., complete with bolts, rivets, &c.	**41**	**9**	**1**	**0**	**405**	**1**	**9**	**Span.**	* For Vamsadhara bridge.
				For all steel in girder work, including rivets, spare rivets and rivet rods ...	63	11	3	0	12	0	0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	0	3	3	25	0	0	,,	
27/57	9-10-93	80†	North Western	Lower	For all service bolts, nuts, and washers	0	4	2	0	20	0	0	,,	
				Girders, plate, 80 ft., complete, with bolts, rivets, &c.	**63**	**17**	**0**	**3**	**768**	**10**	**6**	**Span.**	† 86 feet out to out, with Lindsay's trough flooring, 12″ deep.

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	81 15 3 14	9 7 6	Ton.	
29/102 16-12-93	100	Mushkaf-Bolan	Upper	*For all steel in expansion rollers and frames ... ...*	*0 16 3 0*	*17 12 6*	*„*	*Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle and probably eight wheels coupled.*
				For all cast iron	3 12 1 0	8 17 6	„	
				Girders, 100 ft., triangulated (on square), complete, with bolts, rivets, &c.	**86 4 3 14**	**813 12 6**	**Span.**	
				For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	82 4 0 14	9 7 6	Ton.	
29/102 16-12-93	100*	Do.	Do.	For all steel in expansion rollers and frames	0 16 3 0	17 12 6	„	
				For all cast iron	3 12 1 0	8 17 6	„	Ditto.
				Girders, 100 ft., triangulated (one skew span) complete, with bolts, rivets, &c. ...	**86 13 0 14**	**817 10 0**	**Span.**	*For "Bridge No. 221."

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	87 5 3 7	9 16 6	Ton.	
29/103	16-12-93	100	Bina-Guna	Lower	For all bolts, nuts, and washers ...	0 3 2 21	9 16 6	„
					For all service bolts, nuts, and washers	0 6 0 0	9 16 6	„
					Girders, 100 ft., triangulated, complete, with bolts, rivets,		**Span.**	For Sind and Betwa bridges with light foot-way to be provided on one side outside girder.
					For all steel in girder work, or plate, and barwork, including rivets, spare rivets, and rivet rods		12 10 0	Ton.	
					For all steel in bolts and nuts, coach screws, and wood screws ...		20 15 0	„
					For all steel in rollers		28 15 0	„
25/463	31-8-93	*232	North Western	Do.	For all cast iron	Weight not shown in contract.	9 15 0	„
					For all wrought iron or steel in roller frames		28 15 0	„
					For all wrought iron or steel in service bolts, nuts and washers... ...		14 15 0	„
					For all malleable cast iron rail clips		0 9 0	Doz.
					For all gas tubes for hand rails ...		2 0 0	% L. ft.
					Girders, 232 feet, complete with bolts rivets, &c. ...	**379 14 0 19**	**4,575 5 5**	**Span.**

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				Spare parts—				
				Rivets, and spare rivets ...	16 3 1 0	10 0 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0			
				For all service bolts, nuts, and washers	0 0 3 0			
29	16-12-93	...	North-Western	... For 11 cross girders, 18′ 8″ long complete, with bolts.	10 10 1 0	105 2 6	Span.	Quantities required for strengthening one span of 75 feet in the clear.
18/78	10-1-93	...	North-Western	For 2 rail girders, each 81 feet long complete, with bolts, rivets, &c.	6 6 2 0	63 5 0	Span.	
				Total for one span	16 16 3 0	168 7 6	Span.	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.			Spare parts—concld	Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	23 3 0 0	9 10 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0	18 10 0	,,	
				For all service bolts, nuts and washers	0 0 3 0	16 10 0	,,	
12	12-10-93	...	North Western	... For 11 cross girders, 18 ft. 8 in. long, complete, with bolts, rivets, &c.	23 11 2 0	227 14 3	Span.	Quantities required for strengthening one span of 100 feet in the clear for West Beyne Bridge.
				For 2 rail girders, 110 ft. complete, with bolts, rivets.				
				Cylinders, steel, for bridge piers—				
18/264	24-1-93	...	Frontier Ry. Reserve.	... In 3 feet lengths	0 6 0 0	16 15 0	Ton.	
				,, 4½ ,, ,, ...	0 8 0 0	14 12 6	,,	
				,, 6 ,, ,, ...	0 11 0 0	13 0 0	,,	
27/146	19-10-93	...	North Western	... Hook bolts galvanized (for holding down sleepers) with check nuts and washers, 10″ × ⅞″	2 13 0 0	26 0 0	Cwt.	The bolts to be screwed for a length of 5″, *i.e.*, up to within 5″ of the head.

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	0 7 2 21	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 0 3 14	20 17 6	,,	
				For all service bolts, nuts and washers	0 0 0 7	15 7 6	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**0 8 2 14**	**4 17 0**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	0 8 1 17	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 1 0 0	20 12 6	,,	
				For all service bolts, nuts and washers	0 0 0 7	20 12 6	,,	
21/153	**14-4-93**	**6′ 6″**	**Burma**	**Do.**				
				Girders, plate, 6′ 6″ complete, with bolts, rivets, &c. ...	**0 9 1 24**	**5 6 11**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work including rivets, spare rivets, and rivet rods ...	0 14 1 21	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 1 1 7	20 17 6	,,	
24/274	**20-7-93**	**10**	**Mu Valley**	**Upper**	For all service bolts, nuts, and washers	0 0 0 7	15 7 6	,,	
				Girders, plate, 10 ft., complete, with bolts, rivets, &c.	**0 15 3 7**	**8 17 6**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	2 10 3 0	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 2 1 0	20 17 6	,,	
24/274	**20-7-93**	**20**	**Mu Valley**	**Do.**	For all service bolts, nuts, and washers	0 0 0 21	15 7 6	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**2 13 0 21**	**28 10 0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	.....	10 5 0	T'on.	Schedule weight of supposed quantities for 38′ 4″ span not given in contract.
				For all bolts, nuts, and washers, except service bolts	.....	20 5 0	,,	
				,, ,, ,, ,, ,,		14 15 0	,,	
18	27-1-93	38′ 4″	Eastern Bengal	Upper				
				Girders, plate, 38 ft., 4 in. complete, with bolts, rivets, &c.	**8 13 0 12**	**92 4 6**	**Span.**	
				For all steel in girder work, including rivets and, spare rivets ...	8 16 2 0	10 15 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 3 3 0	20 17 6	,,	
20/207	13-3-93	40	Do.	Do. For all service bolts, nuts, and washers	0 0 1 14	20 17 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c. ...	**9 0 2 14**	**99 1 1**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 3 3 0	20 17 6	,,	
24/274	20-7-93.	40	Mu Valley	Upper For all service bolts, nuts, and washers	0 0 1 14	15 7 6	,,	
				Girders, plate, 40 feet, complete, with bolts, rivets, &c.	**9 0 2 14**	**93 10 0**	**Span.**	
				For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
26/215	19-9-93.	40	Do.	Do. For all bolts, nuts and washers, except service bolts	0 3 0 13	25 2 6	,,	
				For all service bolts, nuts and washers	0 0 1 14	15 7 6	,,	
				Girders, plate, 40 feet, complete, with bolts, rivets, &c.	**8 19 3 27**	**93 10 0**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span. Tons	cwt.	qr.	lbs.	Rate—Free on board. Amount. £	s.	d.	Unit.	Remarks.
	Ft.												
24/274 20-7-93.	60	Mu Valley	Upper ...	For all steel in girder work, including rivets, spare rivets and rivet rods ...	20	4	0	0	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	6	1	0	20	17	6	,,	
				For all service bolts, nuts, and washers	*0*	*3*	*0*	*0*	*15*	*7*	*6*	,,	
				Girders, plate, 60 feet, complete, with bolts, rivets, &c.	**20**	**13**	**1**	**0**	**214**	**0**	**0**	**Span.**	
24/274 20-7-93.	*100	Do.	Do. ...	For all steel in girder work, including rivets, and spare rivets ...	42	6	3	0	12	7	6	Ton.	
				For all steel in expansion rollers ...	0	5	2	0	23	2	6	,,	
				Wrought iron roller frames ...	0	3	2	0	29	2	6	,,	
				Cast iron bearings	2	0	1	0	11	2	6	,,	
				Steel bolts	0	12	2	11	25	2	6	,,	*Without foot-ways.
				Service bolts	0	4	2	0	15	7	6	,,	
				Girders, triangulated, 100 feet, complete, with bolts and rivets, &c.	**45**	**13**	**0**	**11**	**578**	**0**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*concld.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span. Tons	cwt.	qr.	lbs.	Rate—Free on board. Amount. £	s.	d.	Unit.	Remarks.
	Ft.												
				For all steel in girder work, including rivets, and spare rivets ...	66	8	0	7	9	7	6	Ton.	
				For all steel in expansion rollers ...	0	7	2	0	15	17	6	,,	
				For all steel in roller frames ...	0	4	0	0	22	17	6	,,	
26/233 21-9-93	*100	Mu Valley	* Between	For all cast iron	2	11	3	0	9	7	6	,,	
				For all steel in bolts	0	3	3	21	15	17	6	,,	*Without foot-ways.
				For all service, bolts, nuts, and washers	0	6	0	0	15	17	6	,,	
				Girders, triangulated, 100 ft., complete, with bolts, rivets, &c	**70**	**1**	**1**	**0**	**665**	**4**	**0**	**Span.**	

[*For General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

TO

THE MANAGER, NORTH WESTERN RAILWAY.
THE MANAGER, OUDH AND ROHILKHAND RAILWAY.
THE MANAGER, EASTERN BENGAL STATE RAILWAY.
THE MANAGER, BURMA STATE RAILWAY.
THE MANAGER, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, MU VALLEY STATE RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BINA-GUNA RAILWAY.
THE ENGINEER-IN-CHIEF, BHOPAL-UJAIN RAILWAY.
THE ENGINEER-IN-CHIEF, CHITTORE-UDEYPORE RAILWAY.
THE ENGINEER-IN-CHIEF, CUTTACK-MONAPUR-CALCUTTA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, KALKA-SIMLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MANDALAY-KUNLON RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, DELHI-MINCHINABAD RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, CHITTAGONG-AKYAB-MINHLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, UMARKOT-PACHPADRA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, SAUGOR-KATNI RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, BEZWADA-MADRAS RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MARI-ATTOCK RAILWAY AND GRADIENT IMPROVEMENT WORKS, NORTH WESTERN RAILWAY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class A.—Brigework for 1893.

Simla, the 18th July 1894.

SIR,

I have the honour to forward herewith for information and guidance, a printed statement showing the actual English rates *free on board* in England for A. Class, State Railway Stores, *viz.*, "Bridgework," contracted for by the Stores Department of the India Office during the year 1893.

2. A statement showing the average rates per ton for entire sea freight, on Bridgework sent out from England to the several ports in India during 1893, is prefixed to the Rate list.

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

I have the honour to be,

SIR,

Your most obedient Servant,

W. S. SISSET, Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

Documents accompanying.

1. Statement showing the average rates per ton for entire sea freight on Class A. Stores imported from England to the several ports during 1893.
2. Rate List, Class A.— Bridgework for 1893.

* *For State Railway Stores and Irrigation Works only* [illegible] *used as Imperial. Stores for Provincial and Local funds and for railways constructed by Native States are charged one per cent. as heretofore.*

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

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

W. S. S. BISSET, Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

No. 2107 W. dated 22nd August 1894.

To

THE

Communicated to officers of the C. D. Department.

(23 J.S. W

Ch. Engr & Supt. Engrs
Collector
Sq. & D.
Asst. Engr

Enclosure to Director General of Railways' Circular No. 3 of 1894.

RATE LIST.

CLASS A.

BRIDGEWORK

FOR 1893.

G. C. Press, Simla.—No. 1758 P. W. D.—23-7-94.—904.

STATEMENT showing the average rates per ton for entire Sea Freight on Bridgework sent out from England to the several ports in India for State Railways of both gauges during 1893.

Description of girders.	Karachi.	Bombay.	Calcutta.	Coconada or Vizagapatam.	Rangoon.	Remarks.
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	
Clear span 6 feet	...	...	27 6	...	25 0	
,, 10 ,, ...	...	...	30 0	...	25 0	
,, 12 ,, ...	...	...	...	20 0	...	
,, 20 ,, ...	15 6	...	27 11	16 9	22 6	
,, 30 ,, ...	20 0	...	...	...	...	
,, 40 ,, ...	*15 0	...	36 8	17 3	24 2	* 30 shillings per ton for girder spans of 32, 41 and 44 feet Kurrachee during 1893.
,, 60 ,, ...	15 0	...	28 1	...	23 4	
,, 70 ,, ...	...	...	...	25 0	...	
,, 80 ,, ...	15 6	...	...	...	...	
,, 100 ,, ...	13 0	...	25 5	23 0	23 9	
,, 232 ,, ...	20 0	...	...	...	...	

NOTE.—Where rates have not been quoted, it should be understood that girders of the dimensions specified were not imported during the year.

CLASS OF STORES. A.—BRIDGEWORK.

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
28/46 2-11-93	6	Mushkaf-Bolan	Upper	For all steel in girder work, including rivets, spare rivets, and rivet rods...	2 10 3 7	10 7 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers, except service bolts	0 0 2 7	14 10 0	,,	
				For all service bolts, nuts, and washers	0 0 0 21	16 10 0	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**2 11 2 7**	**26 18 6**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	1 3 3 0	9 0 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 1 1 14	20 10 0	,,	
27/77 13-10-93	12	East Coast	Do.	For all service bolts, nuts, and washers	0 0 0 7	20 10 0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	**1 5 0 21**	**12 3 3**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board.				Remarks.
									Amount.			Unit.	
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, and spare rivets ...	5	0	1	0	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
28/46 2-11-93	12	Mushkaf-Bolan	Upper	For all bolts, nuts, and washers, except service bolts	0	0	2	7	14	10	0	,,	
				For all service bolts, nuts, and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	**5**	**1**	**0**	**21**	**52**	**14**	**7**	**Span.**	
				For all steel in girder work, including rivets and spare rivets ...	3	15	3	21	9	2	6	Ton.	
22/357 31-5-93	20	East Coast	Do.	For all bolts, nuts, and washers ...	0	1	1	14	18	10	0	,,	
				For all service bolts, nuts and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**3**	**17**	**2**	**21**	**36**	**4**	**7**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board.				Remarks.
									Amount.			Unit.	
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, and spare rivets ...	3	15	3	21	8	15	0	Ton.	
25/420 28-8-93	20	East Coast	Upper	For all bolts, nuts, and washers ...	0	1	1	14	18	10	0	,,	
				For all service bolts, nuts, and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c.	**3**	**17**	**2**	**21**	**34**	**16**	**4**	**Span.**	
				For all steel in girder work, including rivets, and spare rivets ...	9	17	3	14	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
28/46 2-11-93	20	Mushkaf-Bolan	Do.	For all bolts, nuts, and washers ...	0	0	2	7	14	10	0	,,	
				For all service bolts, nuts, and washers	0	0	3	0	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**9**	**19**	**0**	**21**	**103**	**13**	**6**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
28/337 — 25-11-93	30	Mushkaf-Bolan	Upper	For all steel in girder work, including rivets, spare rivets, and rivet rods	15 17 0 0	9 12 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 1 0 7	18 10 6	,,	
				For all service bolts, nuts, and washers	0 1 0 14	15 10 6	,,	
				Girders, plate, 30 ft., complete, with bolts, rivets, &c.	**15 19 0 21**	**154 8 4**	**Span.**	
18/77 — 10-1-93	32 over all	North Western	Do.	For all steel in girder work, including rivets, and spare rivets ...	9 18 1 14	10 7 6	Ton.	
				For all service bolts, nuts, and washers	0 1 2 0	19 0 0	,,	
				Girders, plate, 32 ft. (over all) complete, with bolts, rivets, &c.				

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons. cwt. qr. lbs.	£ s. d.		
24/220 — 18-7-93	40	East Coast	Upper	For all steel in girder work, including rivets, and spare rivets ...	10 11 3 7	9 7 6	Ton.	
				For all bolts, nuts, and washers ...	0 2 2 7	20 2 6	,,	
				For all service bolts, nuts, and washers	0 0 1 14	20 2 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c.	**10 14 3 0**	**100 18 0**	**Span.**	
28/337 — 25-11-93	40	Mushkaf-Bolan	Do.	For all steel in girder work, including rivets, spare rivets, and rivet rods	23 13 2 14	9 12 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 1 0 7	18 10 6	,,	
				For all service bolts, nuts, and washers	0 1 2 0	15 10 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c.	**23 16 0 21**	**230 1 7**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	14 4 1 0	10 7 6	Ton.	
				For all service bolts, nuts, and washers	0 1 2 0	19 0 0	,,	
18/77	10-1-93	41′ 6″ over all	North Western	Upper	**Girders, plate, 41 ft., 6 inches, (over all), complete, with bolts, rivets, &c. ... ...**	**14 5 3 0**	**148 17 7**	**Span.**
				For all steel in girder work, including rivets, and spare rivets	15 11 1 0	10 7 6	Ton.	
				For all service bolts, nuts, and washers	0 1 2 0	19 0 0	,,	
18/77	10-1-93	44 over all	Do.	Do.	**Girders, plate, 44 ft., (over all), complete, with bolts, rivets, &c. ... ...**	**15 12 3 0**	**162 17 9**	**Span.**

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	16 19 2 14	10 2 6	Ton.	
				For all service bolts, nuts, and washers	0 1 2 0	19 0 0	,,	
27/177	23-10-93	44 over all	North Western	Upper With bracing and corrugated decking.	***Girders, plate, 44 ft., (over all), complete, with rivets, spare rivets, &c. ... ...***	**17 1 0 14**	**173 7 3**	**Span.**
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	26 12 0 0	9 7 6	Ton.	
				For all bolts, nuts, and washers ...	0 4 3 0	16 12 6	,,	
25/298	19-8-93	60	Bina-Guna	Upper	For all service bolts, nuts, and washers	0 3 0 0	15 2 6	,,
					Girders, plate, 60 ft., complete, with bolts, rivets, &c.	**26 19 3 0**	**255 12 0**	**Span.**

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	22 17 1 7	10 5 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 4 1 7	20 10 0	,,	
				For all service bolts, nuts and washers	0 3 0 0	14 10 0	,,	
28/100	3-11-93	60 over all	Eastern Bengal	Upper				
				Girders, (Special) plate, 60 ft., (over all), complete, with bolts, rivets, &c.	**23 4 2 14**	**240 19 4**	**Span.**	Depth 4′ 6″ Bed plates, 3 feet long.
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	44 11 3 0	9 12 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 1 3 7	18 10 6	,,	
				For all service bolts, nuts and washers	0 3 0 0	15 10 6	,,	
28/337	25-11-93	60	Mushkaf-Bolan	Do.				
				Girders, plate, 60 ft., complete, with bolts, rivets, &c.	**44 16 2 7**	**433 3 3**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work including rivets, spare rivets and rivet, rods ...	44 11 3 0	9 15 0	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 1 3 7	15 10 0	,,	
28/338	25-11-93	60	Mushkaf-Bolan	Upper				
				For all service bolts, nuts, and washers	0 3 0 0	15 10 0	,,	
				Girders, plate, 60 ft. complete, with bolts, rivets, &c...	**44 16 2 7**	**438 9 1**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods	28 13 3 14	10 7 6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 1 0 14	16 5 0	,,	
18/114	11-1-93	62′ 4″ over all	North Western	Do.				
				For all service bolts, nuts, and washers	0 3 0 0	13 5 0	,,	
				Girders, plate, 62 ft. 4 in., (over all), complete, with rivets, spare rivets, &c. ...	**28 18 0 0**	**300 12 0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods.	29	2	3	14	10	7	6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
18/114 11-1-93	63′ 6″ over all	North Western	Upper	For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
				Girders, plate, 63 ft. 6 in. (over all.), complete, with rivets, spare rivets, &c.	**29**	**7**	**0**	**0**	**305**	**5**	**0**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods.	29	10	3	14	10	7	6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
18/114 11-1-93	65 over all	Do.	Do.	For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
				Girders, plate, 65 ft. (over all), complete, with rivets, spare rivets, &c.	**29**	**15**	**0**	**0**	**309**	**10**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	41	3	3	14	9	14	0	Ton.	
				For all bolts, nuts, and washers ...	0	2	1	14	9	14	0	,,	
24/353 26-7-93	70	East Coast	Upper	For all service bolts, nuts, and washers	0	3	0	0	9	14	0	,,	
				Girders, plate, 70 ft., complete, with bolts, rivets, &c. ...	**41**	**9**	**1**	**0**	**402**	**3**	**10**	**Span.**	
				For all steel in girder work, including rivets, rivet rods and spare rivets ...	41	3	3	14	9	14	6	Ton.	
				For all bolts, nuts, and washers ...	0	2	1	14	20	0	0	,,	
24/354 26-7-93	70	Do.	Do.	For all service bolts, nuts, and washers	0	3	0	0	14	0	0	,,	
				Girders,* plate, 70 ft., complete with bolts, rivets, &c.	**41**	**9**	**1**	**0**	**405**	**1**	**9**	**Span.**	* For Vamsadhara bridge.
				For all steel in girder work, including rivets, spare rivets and rivet rods ...	63	11	3	0	12	0	0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	0	3	3	25	0	0	,,	
27/57 9-10-93	80†	North Western	Lower	For all service bolts, nuts, and washers	0	4	2	0	20	0	0	,,	
				Girders, plate, 80 ft., complete, with bolts, rivets, &c.	**63**	**17**	**0**	**3**	**768**	**10**	**6**	**Span.**	† 86 feet out to out, with Lindsay's trough flooring, 12″ deep.

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
29/102 16-12-93	100	Mushkaf-Bolan	Upper	For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	81 15 3 14	9 7 6	Ton.	*Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle and probably eight wheels coupled.*
				For all steel in expansion rollers and frames	0 16 3 0	17 12 6	,,	
				For all cast iron	3 12 1 0	8 17 6	,,	
				Girders, 100 ft., triangulated (on square), complete, with bolts, rivets, &c.	**86 4 3 14**	**813 12 6**	**Span.**	
				For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	82 4 0 14	9 7 6	Ton.	
29/102 16-12-93	100*	Do.	Do.	For all steel in expansion rollers and frames	0 16 3 0	17 12 6	,,	
				For all cast iron	3 12 1 0	8 17 6	,,	Ditto.
				Girders, 100 ft., triangulated (one skew span) complete, with bolts, rivets, &c. ...	**86 13 0 14**	**817 10 0**	**Span.**	*For "Bridge No. 221."

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
29/103 16-12-93	100	Bina-Guna	Lower	For all steel in girder work, including rivets, and spare rivets ...	87 5 3 7	9 16 6	Ton.	
				For all bolts, nuts, and washers ...	0 3 2 21	9 16 6	,,	
				For all service bolts, nuts, and washers	0 6 0 0	9 16 6	,,	For Sind and Betwa bridges with light foot-way to be provided on one side outside girder.
				Girders, 100 ft., triangulated, complete, with bolts, rivets, &c.	**87 15 2 0**	**862 7 9**	**Span.**	
				For all steel in girder work, or plate, and barwork, including rivets, spare rivets, and rivet rods		12 10 0	Ton.	
				For all steel in bolts and nuts, coach screws, and wood screws ...		20 15 0	,,	
				For all steel in rollers		28 15 0	,,	
25/463 31-8-93	*232	North Western	Do.	For all cast iron	Weight not shown in contract.	9 15 0	,,	* Centre to centre of bearings 239 ft., thickness of pier, 16 feet, clearance between girders 15 feet, width over bearing plates not exceeding 22 feet.
				For all wrought iron or steel in roller frames		28 15 0	,,	
				For all wrought iron or steel in service bolts, nuts and washers... ...		14 15 0	,,	
				For all malleable cast iron rail clips		0 9 0	Doz.	
				For all gas tubes for hand rails ...		2 0 0	% L. ft.	
				Girders, 232 feet, complete with bolts rivets, &c. ...	**379 14 0 19**	**4,575 5 5**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				Spare parts—				
				For all steel in girder work, including rivets, and spare rivets ...	16 3 1 0	10 0 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0			
				For all service bolts, nuts, and washers	0 0 3 0			
18/78	**10-1-93**	...	**North-Western**	...	**For 11 cross girders, 18′ 8″ long complete, with bolts.**	**10 10 1 0**	**105 2 6**	**Span.**	Quantities required for strengthening one span of 75 feet in the clear.
					For 2 rail girders, each 81 feet long complete, with bolts, rivets, &c.	**6 6 2 0**	**63 5 0**	**Span.**	
					Total for one span ...	**16 16 3 0**	**168 7 6**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.			**Spare parts—concld**	Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	23 3 0 0	9 10 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0	18 10 0	,,	
				For all service bolts, nuts, and washers	0 0 3 0	16 10 0	,,	
27/72	**12-10-93**	...	**North Western**	...	**For 11 cross girders, 18 ft. 8 in. long, complete, with bolts, rivets, &c. ... ...**	**23 11 2 0**	**227 14 3**	**Span.**	Quantities required for strengthening one span of 100 feet in the clear for West Beyne Bridge.
					For 2 rail girders, 110 ft. complete, with bolts, rivets,				
					Cylinders, steel, for bridge piers—				
18/264	**24-1-93**	...	**Frontier Ry. Reserve.**	...	In 3 feet lengths	0 6 0 0	16 15 0	Ton.	
					,, 4½ ,, ,, ...	0 8 0 0	14 12 6	,,	
					,, 6 ,, ,, ...	0 11 0 0	13 0 0	,,	
27/146	**19-10-93**	...	**North Western**	...	Hook bolts galvanized (for holding down sleepers) with check nuts and washers, 10″ × ⅞″	2 13 0 0	26 0 0	Cwt.	The bolts to be screwed for a length of 5″, *i.e.*, up to within 5″ of the head.

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	*0 7 2 21*	*10 2 6*	*Ton.*	
				For all bolts, nuts, and washers ...	0 0 3 14	20 17 6	,,	
24/274	20-7-93	6	Mu Valley	Upper — For all service bolts, nuts and washers	0 0 0 7	15 7 6	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**0 8 2 14**	**4 17 0**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	0 8 1 17	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 1 0 0	20 12 6	,,	
21/153	14-4-93	6′ 6″	Burma	Do. — For all service bolts, nuts and washers	0 0 0 7	20 12 6	,,	
				Girders, plate, 6′ 6″ complete, with bolts, rivets, &c. ...	**0 9 1 24**	**5 6 11**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work including rivets, spare rivets, and rivet rods ...	0 14 1 21	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 1 1 7	20 17 6	,,	
24/274	20-7-93	10	Mu Valley	Upper — For all service bolts, nuts, and washers	0 0 0 7	15 7 6	,,	
				Girders, plate, 10 ft., complete, with bolts, rivets, &c.	**0 15 3 7**	**8 17 6**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	2 10 3 0	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 2 1 0	20 17 6	,,	
24/274	20-7-93	20	Mu Valley	Do. — For all service bolts, nuts, and washers	0 0 0 21	15 7 6	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**2 13 0 21**	**28 10 0**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets... ...	.....	10 5 0	Ton.	Schedule weight of supposed quantities for 38′ 4″ span not given in contract.
18 / 343 27-1-93	38′ 4″	Eastern Bengal	Upper	*For all bolts, nuts, and washers, except service bolts ... ...*	.....	20 5 0	,,	
				For all service bolts, nuts, and washers	.....	14 15 0	,,	
				Girders, plate, 38 ft., 4 in. complete, with bolts, rivets, &c.	**8 13 0 12**	**92 4 6**	**Span.**	
				For all steel in girder work, including rivets and, spare rivets ...	8 16 2 0	10 15 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 3 3 0	20 17 6	,,	
20 / 207 13-3-93	40	Do.	Do.	For all service bolts, nuts, and washers	0 0 1 14	20 17 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c. ...	**9 0 2 14**	**99 1 1**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 3 3 0	20 17 6	,,	
24 / 274 20-7-93.	40	Mu Valley	Upper	For all service bolts, nuts, and washers	0 0 1 14	15 7 6	,,	
				Girders, plate, 40 feet, complete, with bolts, rivets, &c.	**9 0 2 14**	**93 10 0**	**Span.**	
				For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
				For all bolts, nuts and washers, except service bolts	0 3 0 13	25 2 6	,,	
26 / 215 19-9-93.	40	Do.	Do.	For all service bolts, nuts and washers	0 0 1 14	15 7 6	,,	
				Girders, plate, 40 feet, complete, with bolts, rivets, &c.	**8 19 3 27**	**93 10 0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
24/274 20-7-93.	60	Mu Valley	Upper	For all steel in girder work, including rivets, spare rivets and rivet rods ...	20	4	0	0	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	6	1	0	20	17	6	,,	
				For all service bolts, nuts, and washers	*0*	*3*	*0*	*0*	*15*	*7*	*6*	,,	
				Girders, plate, 60 feet, complete, with bolts, rivets, &c.	**20**	**13**	**1**	**0**	**214**	**0**	**0**	**Span.**	
24/274 20-7-93.	*100	Do.	Do. ...	For all steel in girder work, including rivets, and spare rivets ...	42	6	3	0	12	7	6	Ton.	
				For all steel in expansion rollers ...	0	5	2	0	23	2	6	,,	
				Wrought iron roller frames ...	0	3	2	0	29	2	6	,,	
				Cast iron bearings	2	0	1	0	11	2	6	,,	
				Steel bolts	0	12	2	11	25	2	6	,,	*Without foot-ways.
				Service bolts	0	4	2	0	15	7	6	,,	
				Girders, triangulated, 100 feet, complete, with bolts and rivets, &c.	**45**	**13**	**0**	**11**	**578**	**0**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*concld.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
26/233 21-9-93	*100	Mu Valley	* Between	For all steel in girder work, including rivets, and spare rivets ...	66	8	0	7	9	7	6	Ton.	
				For all steel in expansion rollers ...	0	7	2	0	15	17	6	,,	
				For all steel in roller frames ...	0	4	0	0	22	17	6	,,	
				For all cast iron	2	11	3	0	9	7	6	,,	*Without foot-ways.
				For all steel in bolts	0	3	3	21	15	17	6	,,	
				For all service, bolts, nuts, and washers	0	6	0	0	15	17	6	,,	
				Girders, triangulated, 100 ft., complete, with bolts, rivets, &c	**70**	**1**	**1**	**0**	**665**	**4**	**0**	**Span.**	

[For General Distribution.]

[*For General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

TO

THE MANAGER, NORTH WESTERN RAILWAY.
THE MANAGER, OUDH AND ROHILKHAND RAILWAY.
THE MANAGER, EASTERN BENGAL STATE RAILWAY.
THE MANAGER, BURMA STATE RAILWAY.
THE MANAGER, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, MU VALLEY STATE RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BINA-GUNA RAILWAY.
THE ENGINEER-IN-CHIEF, BHOPAL-UJAIN RAILWAY.
THE ENGINEER-IN-CHIEF, CHITTORE-ODEYPORE RAILWAY.
THE ENGINEER-IN-CHIEF, CUTTACK-MIDNAPUR-CALCUTTA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, KALKA-SIMLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MANDALAY-KUNLON RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, DELHI-MINCHINABAD RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, CHITTAGONG-AKYAB-MINHLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, UMARKOT-PACHPADRA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, SAUGOR-KATNI RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, BEZWADA-MADRAS RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MARI-ATTOCK RAILWAY AND GRADIENT IMPROVEMENT WORKS, NORTH WESTERN RAILWAY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class A.—Bridgework for 1893.

Simla, the 18th July 1894.

SIR,

I have the honour to forward herewith, for information and guidance, a printed statement showing the actual English rates *free on board* in England for A. Class, State Railway Stores, *viz.*, "Bridgework," contracted for by the Stores Department of the India Office during the year 1893.

2. A statement showing the average rates per ton for entire sea freight, on Bridgework sent out from England to the several ports in India during 1893, is prefixed to the Rate list.

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

I have the honour to be,

SIR,

Your most obedient Servant,

W. S. S. BISSET, Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

Documents accompanying.

1. Statement showing the average rates per ton for entire sea freight on Class A. Stores imported from England to the several ports during 1893.
2. Rate List, Class A.— Bridgework for 1893.

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

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

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

W. S. S. BISSET, Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

To

THE

Enclosure to Director General of Railways' Circular No. 3 of 1894.

RATE LIST.

CLASS A.

BRIDGEWORK

FOR 1893.

G. C. Press, Simla.—No. 1758 P. W. D.—23-7-94.—904.

STATEMENT showing the average rates per ton for entire Sea Freight on Bridgework sent out from England to the several ports in India for State Railways of both gauges during 1893.

Description of girders.	Karachi.	Bombay.	Calcutta.	Coconada or Vizagapatam.	Rangoon.	Remarks.
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	
Clear span 6 feet	...	...	27 6	...	25 0	
„ 10 „	...	...	30 0	...	25 0	
„ 12 „	...	....	...	20 0	...	
„ 20 „	15 6	...	27 11	16 9	22 6	
„ 30 „	20 0	...	...	...	...	
„ 40 „	*15 0	...	36 8	17 3	24 2	*30 shillings per ton for girder spans of 32, 41 and 44 feet Kurrachee during 1893.
„ 60 „	15 0	...	28 1	...	23 4	
„ 70 „	...	...	...	25 0	...	
„ 80 „	15 6	...	...	...	...	
„ 100 „	13 0	...	25 5	23 0	23 9	
„ 232 „	20 0	...	...	...	...	

Note.—Where rates have not been quoted, it should be understood that girders of the dimensions specified were not imported during the year.

CLASS OF STORES. A.—BRIDGEWORK.

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	*s.*	*d.*		
28/46 2-11-93	6	Mushkaf-Bolan	Upper	For all steel in girder work, including rivets, spare rivets, and rivet rods...	2	10	3	7	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers, except service bolts	0	0	2	7	14	10	0	,,	
				For all service bolts, nuts, and washers	0	0	0	21	16	10	0	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**2**	**11**	**2**	**7**	**26**	**18**	**6**	**Span.**	
27/77 13-10-93	12	East Coast	Do.	For all steel in girder work, including rivets, spare rivets, and rivet rods...	1	3	3	0	9	0	0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	1	14	20	10	0	,,	
				For all service bolts, nuts, and washers	0	0	0	7	20	10	0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	**1**	**5**	**0**	**21**	**12**	**3**	**3**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
28/46 2-11-93	12	Mushkaf-Bolan	Upper	For all steel in girder work, including rivets, and spare rivets ...	5 0 1 0	10 7 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers, except service bolts	0 0 2 7	14 10 0	,,	
				For all service bolts, nuts, and washers	0 0 1 14	16 10 0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	**5 1 0 21**	**52 14 7**	**Span.**	
22/357 31-5-93	20	East Coast	Do.	For all steel in girder work, including rivets and spare rivets ...	3 15 3 21	9 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 1 1 14	18 10 0	,,	
				For all service bolts, nuts and washers	0 0 1 14	16 10 0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**3 17 2 21**	**36 4 7**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Rate—Free on board. Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
25/420 28-8-93	20	East Coast	Upper	For all steel in girder work, including rivets, and spare rivets ...	3 15 3 21	8 15 0	Ton.	
				For all bolts, nuts, and washers ...	0 1 1 14	18 10 0	,,	
				For all service bolts, nuts, and washers	0 0 1 14	16 10 0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c.	**3 17 2 21**	**34 16 4**	**Span.**	
28/46 2-11-93	20	Mushkaf-Bolan	Do.	For all steel in girder work, including rivets, and spare rivets ...	9 17 3 14	10 7 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 0 2 7	14 10 0	,,	
				For all service bolts, nuts, and washers	0 0 3 0	16 10 0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c.	**9 19 0 21**	**103 13 6**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
28/337 25-11-93	30	Mushkaf-Bolan	Upper	For all steel in girder work, including rivets, spare rivets, and rivet rods	15 17 0 0	9 12 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	*0 1 0 7*	*18 10 6*	,,	
				For all service bolts, nuts, and washers	0 1 0 14	15 10 6	,,	
				Girders, plate, 30 ft., complete, with bolts, rivets, &c.	**15 19 0 21**	**154 8 4**	**Span.**	
18/77 10-1-93	32 over all	North Western	Do.	For all steel in girder work, including rivets, and spare rivets ...	9 18 1 14	10 7 6	Ton.	
				For all service bolts, nuts, and washers	0 1 2 0	19 0 0	,,	
				Girders, plate, 32 ft. (over all), complete with bolts, rivets, &c.	**9 19 3 14**	**104 6 8**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons. cwt. qr. lbs.	£ s. d.		
24/220 18-7-93	40	East Coast	Upper	For all steel in girder work, including rivets, and spare rivets ...	10 11 3 7	9 7 6	Ton.	
				For all bolts, nuts, and washers ...	0 2 2 7	20 2 6	,,	
				For all service bolts, nuts, and washers	0 0 1 14	20 2 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c.	**10 14 3 0**	**100 18 0**	**Span.**	
28/337 25-11-93	40	Mushkaf-Bolan	Do.	For all steel in girder work, including rivets, spare rivets, and rivet rods	23 13 2 14	9 12 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 1 0 7	18 10 6	,,	
				For all service bolts, nuts, and washers	0 1 2 0	15 10 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c.	**23 16 0 21**	**230 1 7**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Rate—Free on board. Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, and spare rivets ...	14	4	1	0	10	7	6	Ton.	
				For all service bolts, nuts, and washers	0	1	2	0	19	0	0	,,	
18/77 — 10-1-93	41′ 6″ over all	North Western	Upper	**Girders, plate, 41 ft., 6 inches, (over all), complete, with bolts, rivets, &c. ... ...**	**14**	**5**	**3**	**0**	**148**	**17**	**7**	**Span.**	
				For all steel in girder work, including rivets, and spare rivets	15	11	1	0	10	7	6	Ton.	
				For all service bolts, nuts, and washers	0	1	2	0	19	0	0	,,	
18/77 — 10-1-93	44 over all	Do.	Do.	**Girders, plate, 44 ft., (over all), complete, with bolts, rivets, &c. ... ...**	**15**	**12**	**3**	**0**	**162**	**17**	**9**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Rate—Free on board. Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, and spare rivets ...	16	19	2	14	10	2	6	Ton.	
				For all service bolts, nuts, and washers	0	1	2	0	19	0	0	,,	
27/177 — 23-10-93	44 over all	North Western	Upper With bracing and corrugated decking.	**Girders, plate, 44 ft., (over all), complete, with rivets, spare rivets, &c. ... ...**	**17**	**1**	**0**	**14**	**173**	**7**	**3**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	26	12	0	0	9	7	6	Ton.	
				For all bolts, nuts, and washers ...	0	4	3	0	16	12	6	,,	
25/298 — 19-8-93	60	Bina-Guna	Upper	For all service bolts, nuts, and washers	0	3	0	0	15	2	6	,,	
				Girders, plate, 60 ft., complete, with bolts, rivets, &c.	**26**	**19**	**3**	**0**	**255**	**12**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	22 17 1 7	10 5 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 4 1 7	20 10 0	,,	
				For all service bolts, nuts and washers	0 3 0 0	14 10 0	,,	
28/100	3-11-93	60 over all	Eastern Bengal	Upper				
				Girders, (Special) plate, 60 ft., (over all), complete, with bolts, rivets, &c.	**23 4 2 14**	**240 19 4**	**Span.**	Depth 4′ 6″ Bed plates, 3 feet long.
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	44 11 3 0	9 12 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 1 3 7	18 10 6	,,	
				For all service bolts, nuts and washers	0 3 0 0	15 10 6	,,	
28/337	25-11-93	60	Mushkaf-Bolan	Do.				
				Girders, plate, 60 ft., complete, with bolts, rivets, &c.	**44 16 2 7**	**433 3 3**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work including rivets, spare rivets and rivet, rods ...	44 11 3 0	9 15 0	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0 1 3 7	15 10 0	,,	
28/338	25-11-93	60	Mushkaf-Bolan	Upper				
				For all service bolts, nuts, and washers	0 3 0 0	15 10 0	,,	
				Girders, plate, 60 ft. complete, with bolts, rivets, &c...	**44 16 2 7**	**438 9 1**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods	28 13 3 14	10 7 6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 1 0 14	16 5 0	,,	
18/114	11-1-93	62′ 4″ over all	North Western	Do.				
				For all service bolts, nuts, and washers	0 3 0 0	13 5 0	,,	
				Girders, plate, 62 ft. 4 in., (over all), complete, with rivets, spare rivets, &c. ...	**28 18 0 0**	**300 12 0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods.	29	2	3	14	10	7	6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
				For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
18/114	11-1-93	63′ 6″ over all	North Western	Upper	**Girders, plate, 63 ft. 6 in. (over all.), complete, with rivets, spare rivets, &c. ... ...**	**29**	**7**	**0**	**0**	**305**	**5**	**0**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods.	29	10	3	14	10	7	6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
				For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
18/114	11-1-93	65 over all	Do.	Do.	**Girders, plate, 65 ft. (over all), complete, with rivets, spare rivets, &c. ... ...**	**29**	**15**	**0**	**0**	**309**	**10**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	41	3	3	14	9	14	0	Ton.	
				For all bolts, nuts, and washers ...	0	2	1	14	9	14	0	,,	
24/353	26-7-93	70	East Coast	Upper	For all service bolts, nuts, and washers	0	3	0	0	9	14	0	,,	
					Girders, plate, 70 ft., complete, with bolts, rivets, &c. ...	**41**	**9**	**1**	**0**	**402**	**3**	**10**	**Span.**	
					For all steel in girder work, including rivets, rivet rods and spare rivets ...	41	3	3	14	9	14	6	Ton.	
					For all bolts, nuts, and washers ...	0	2	1	14	20	0	0	,,	
24/354	26-7-93	70	Do.	Do.	For all service bolts, nuts, and washers	0	3	0	0	14	0	0	,,	
					Girders,* plate, 70 ft., complete with bolts, rivets, &c.	**41**	**9**	**1**	**0**	**405**	**1**	**9**	**Span.**	* For Vamsadhara bridge.
					For all steel in girder work, including rivets, spare rivets and rivet rods ...	63	11	3	0	12	0	0	Ton.	
					For all bolts, nuts, and washers, except service bolts	0	0	3	3	25	0	0	,,	
27/57	9-10-93	80†	North Western	Lower	For all service bolts, nuts, and washers	0	4	2	0	20	0	0	,,	
					Girders, plate, 80 ft., complete, with bolts, rivets, &c.	**63**	**17**	**0**	**3**	**768**	**10**	**6**	**Span.**	† 86 feet out to out, with Lindsay's trough flooring, 12″ deep.

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
29/102 16-12-93	100	Mushkaf-Bolan	Upper	For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	81 15 3 14	9 7 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle and probably eight wheels coupled.
				For all steel in expansion rollers and frames	0 16 3 0	17 12 6	,,	
				For all cast iron	3 12 1 0	8 17 6	,,	
				Girders, 100 ft., triangulated (on square), complete, with bolts, rivets, &c.	**86 4 3 14**	**813 12 6**	**Span.**	
				For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	82 4 0 14	9 7 6	Ton.	
				For all steel in expansion rollers and frames	0 16 3 0	17 12 6	,,	
29/102 16-12-93	100*	Do.	Do.	For all cast iron	3 12 1 0	8 17 6	,,	Ditto.
				Girders, 100 ft., triangulated (one skew span) complete, with bolts, rivets, &c. ...	**86 13 0 14**	**817 10 0**	**Span.**	*For "Bridge No. 221."

CLASS OF STORES. A.—BRIDGEWORK—contd.

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
29/103 16-12-93	100	Bina-Guna	Lower	For all steel in girder work, including rivets, and spare rivets ...	87 5 3 7	9 16 6	Ton.	
				For all bolts, nuts, and washers ...	0 3 2 21	9 16 6	,,	
				For all service bolts, nuts, and washers	0 6 0 0	9 16 6	,,	For Sind and Betwa bridges with light foot-way to be provided on one side outside girder.
				Girders, 100 ft., triangulated, complete, with bolts, rivets, &c.	**87 15 2 0**	**862 7 9**	**Span.**	
				For all steel in girder work, or plate, and barwork, including rivets, spare rivets, and rivet rods		12 10 0	Ton.	
				For all steel in bolts and nuts, coach screws, and wood screws ...		20 15 0	,,	
				For all steel in rollers		28 15 0	,,	* Centre to centre of bearings 239 ft., thickness of pier, 16 feet, clearance between girders 15 feet, width over bearing plates not exceeding 22 feet.
25/463 31-8-93	*232	North Western	Do.	For all cast iron	Weight not shown in contract.	9 15 0	,,	
				For all wrought iron or steel in roller frames		28 15 0	,,	
				For all wrought iron or steel in service bolts, nuts and washers... ...		14 15 0	,,	
				For all malleable cast iron rail clips		0 9 0	Doz.	
				For all gas tubes for hand rails ...		2 0 0	% L. ft.	
				Girders, 232 feet, complete with bolts rivets, &c. ...	**379 14 0 19**	**4,575 5 5**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				Spare parts—				
				For all steel in girder work, including rivets, and spare rivets ...	16 3 1 0	10 0 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0			
				For all service bolts, nuts, and washers	0 0 3 0			
18/78	10-1-93	...	North-Western	...	For 11 cross girders, 18′ 8″ long complete, with bolts.	10 10 1 0	105 2 6	Span.	Quantities required for strengthening one span of 75 feet in the clear.
					For 2 rail girders, each 81 feet long complete, with bolts, rivets, &c.	6 6 2 0	63 5 0	Span.	
					Total for one span ...	16 16 3 0	168 7 6	Span.	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.			Spare parts—concld	Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	23 3 0 0	9 10 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0	18 10 0	,,	
				For all service bolts, nuts, and washers	0 0 3 0	16 10 0	,,	
27/72	12-10-93	...	North Western	...	For 11 cross girders, 18 ft. 8 in. long, complete, with bolts, rivets, &c.	23 11 2 0	227 14 3	Span.	Quantities required for strengthening one span of 100 feet in the clear for West Boyne Bridge.
					For 2 rail girders, 110 ft. complete, with bolts, rivets,				
					Cylinders, steel, for bridge piers—				
18/264	24-1-93	...	Frontier Ry. Reserve.	...	In 3 feet lengths	0 6 0 0	16 15 0	Ton.	
					,, 4½ ,, ,, ...	0 8 0 0	14 12 6	,,	
					,, 6 ,, ,, ...	0 11 0 0	13 0 0	,,	
27/146	19-10-93	...	North Western	...	Hook bolts galvanized (for holding down sleepers) with check nuts and washers, 10″ × ⅞″	2 13 0 0	26 0 0	Cwt.	The bolts to be screwed for a length of 5″, *i.e.*, up to within 5″ of the head.

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	0	7	2	21	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	0	3	14	20	17	6	,,	
24/274 20-7-93	6	Mu Valley	Upper	For all service bolts, nuts and washers	0	0	0	7	15	7	6	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**0**	**8**	**2**	**14**	**4**	**17**	**0**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	0	8	1	17	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	1	0	0	20	12	6	,,	
21/153 14-4-93	6′ 6″	Burma	Do.	For all service bolts, nuts and washers	0	0	0	7	20	12	6	,,	
				Girders, plate, 6′ 6″ complete, with bolts, rivets, &c. ...	**0**	**9**	**1**	**24**	**5**	**6**	**11**	**Span.**	

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
				For all steel in girder work including rivets, spare rivets, and rivet rods ...	0	14	1	21	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	1	1	7	20	17	6	,,	
24/274 20-7-93	10	Mu Valley	Upper	For all service bolts, nuts, and washers	0	0	0	7	15	7	6	,,	
				Girders, plate, 10 ft., complete, with bolts, rivets, &c.	**0**	**15**	**3**	**7**	**8**	**17**	**6**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	2	10	3	0	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	2	1	0	20	17	6	,,	
24/274 20-7-93	20	Mu Valley	Do.	For all service bolts, nuts, and washers	0	0	0	21	15	7	6	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**2**	**13**	**0**	**21**	**28**	**10**	**0**	**Span.**	

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
18/343 — 27-1-93	38′ 4″	Eastern Bengal	Upper	For all steel in girder work, including rivets, and spare rivets... ...	.....	10 5 0	T'on.	Schedule weight of supposed quantities for 38′ 4″ span not given in contract.
				For all bolts, nuts, and washers, except service bolts	.....	20 5 0	,,	
				For all service bolts, nuts, and washers	.....	14 15 0	,,	
				Girders, plate. 38 ft., 4 in. complete, with bolts, rivets, &c.	**8 13 0 12**	**92 4 6**	**Span.**	
20/207 — 13-3-93	40	Do.	Do.	For all steel in girder work, including rivets and, spare rivets ...	8 16 2 0	10 15 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 3 3 0	20 17 6	,,	
				For all service bolts, nuts, and washers	0 0 1 14	20 17 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c. ...	**9 0 2 14**	**99 1 1**	**Span.**	

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
24/274 — 20-7-93.	40	Mu Valley	Upper	For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 3 3 0	20 17 6	,,	
				For all service bolts, nuts, and washers	0 0 1 14	15 7 6	,,	
				Girders. plate, 40 feet, complete, with bolts, rivets, &c.	**9 0 2 14**	**93 10 0**	**Span.**	
26/215 — 19-9-93.	40	Do.	Do.	For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
				For all bolts, nuts and washers, except service bolts	0 3 0 13	25 2 6	,,	
				For all service bolts, nuts and washers	0 0 1 14	15 7 6	,,	
				Girders, plate, 40 feet, complete, with bolts, rivets, &c.	**8 19 3 27**	**93 10 0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	*s.*	*d.*		
24/274 20-7-93.	60	Mu Valley	Upper ...	For all steel in girder work, including rivets, spare rivets and rivet rods ...	20	4	0	0	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	6	1	0	20	17	6	,,	
				For all service bolts, nuts, and washers	*0*	*3*	*0*	*0*	*15*	*7*	*6*	,,	
				Girders, plate, 60 feet, complete, with bolts, rivets, &c.	**20**	**13**	**1**	**0**	**214**	**0**	**0**	**Span.**	
24/274 20-7-93.	*100	Do.	Do. ...	For all steel in girder work, including rivets, and spare rivets ...	42	6	3	0	12	7	6	Ton.	
				For all steel in expansion rollers ...	0	5	2	0	23	2	6	,,	
				Wrought iron roller frames ...	0	3	2	0	29	2	6	,,	
				Cast iron bearings	2	0	1	0	11	2	6	,,	
				Steel bolts	0	12	2	11	25	2	6	,,	*Without foot-ways.
				Service bolts	0	4	2	0	15	7	6	,,	
				Girders, triangulated, 100 feet, complete, with bolts and rivets, &c.	**45**	**13**	**0**	**11**	**578**	**0**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*concld.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	*s.*	*d.*		
26/233 21-9-93	*100	Mu Valley	*Between	For all steel in girder work, including rivets, and spare rivets ...	66	8	0	7	9	7	6	Ton.	
				For all steel in expansion rollers ...	0	7	2	0	15	17	6	,,	
				For all steel in roller frames ...	*0*	*4*	*0*	*0*	*22*	*17*	*6*	,,	
				For all cast iron	2	11	3	0	9	7	6	,,	*Without foot-ways.
				For all steel in bolts	0	3	3	21	15	17	6	,,	
				For all service, bolts, nuts, and washers	0	6	0	0	15	17	6	,,	
				Girders, triangulated, 100 ft., complete, with bolts, rivets, &c	**70**	**1**	**1**	**0**	**665**	**4**	**0**	**Span.**	

[*For General Distribution.*]

Circular No. 3.

FROM THE DIRECTOR GENERAL OF RAILWAYS,

TO

THE MANAGER, NORTH WESTERN RAILWAY.
THE MANAGER, OUDH AND ROHILKHAND RAILWAY.
THE MANAGER, EASTERN BENGAL STATE RAILWAY.
THE MANAGER, BURMA STATE RAILWAY.
THE MANAGER, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, MU VALLEY STATE RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BINA-GUNA RAILWAY.
THE ENGINEER-IN-CHIEF, BHOPAL-UJAIN RAILWAY.
THE ENGINEER-IN-CHIEF, CHITTORE-ODEYPORE RAILWAY.
THE ENGINEER-IN-CHIEF, CUTTACK-MIDNAPUR-CALCUTTA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, KALKA-SIMLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MANDALAY-KUN[illegible]ON RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, DELHI-MINCHI[illegible]AD RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, CHITTAGONG-A[illegible]B-MINHLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, UMARKOT-PAC[illegible]ADRA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, SAUGOR-KATNI—[illegible]AILWAY SURVEY.
THE ENGINEER-IN-CHIEF, BEZWADA-MADI[illegible]S RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MARI-ATTOCK R[illegible]ILWAY AND GRADIENT IMPROVEMENT WORKS, NORTH WESTERN RAILWAY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class A.—Bridgework for 1893.

Simla, the 18th July 1894.

SIR,

I have the honour to forward herewith, for information and guidance, a printed statement showing the actual English rates *free on board* in England for A. Class, State Railway Stores, *viz.*, "Bridgework," contracted for by the Stores Department of the India Office during the year 1893.

2. A statement showing the average rates per ton for entire sea freight, on Bridgework sent out from England to the several ports in India during 1893, is prefixed to the Rate list.

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

I have the honour to be,

SIR,

Your most obedient Servant,

W. S. S. BISSET, Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

Documents accompanying.

1. Statement showing the average rates per ton for entire sea freight on Class A. Stores imported from England to the several ports during 1893.
2. Rate List, Class A.— Bridgework for 1893.

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

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

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

W. S. S. BISSET, Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

To

THE

Enclosure to Director General of Railways' Circular No. 3 of 1894.

RATE LIST.

CLASS A.

BRIDGEWORK

FOR 1893.

G. C. Press, Simla.—No. 1758 P. W. D.—23-7-94.—904.

STATEMENT showing the average rates per ton for entire Sea Freight on Bridgework sent out from England to the several ports in India for State Railways of both gauges during 1893.

Description of girders.	Karachi.	Bombay.	Calcutta.	Coconada or Vizagapatam.	Rangoon.	Remarks.
	s. d.	*s. d.*	*s. d.*	*s. d.*	*s. d.*	
Clear span 6 feet	...	...	27 6	...	25 0	
„ 10 „	...	...	30 0	...	25 0	
„ 12 „	...	...	...	20 0	...	
„ 20 „	15 6	...	27 11	16 9	22 6	
„ 30 „	20 0	...	...	...	...	
„ 40 „	*15 0	...	36 8	17 3	24 2	*30 shillings per ton for girder spans of 32, 41 and 44 feet Kurrachee during 1893.
„ 60 „	15 0	...	28 1	...	23 4	
„ 70 „	...	...	...	25 0	...	
„ 80 „	15 6	...	...	...	...	
„ 100 „	13 0	...	25 5	23 0	23 9	
„ 232 „	20 0	...	...	...	...	

NOTE.—Where rates have not been quoted, it should be understood that girders of the dimensions specified were not imported during the year.

CLASS OF STORES. A.—BRIDGEWORK.

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board.				Remarks.
									Amount.			Unit.	
	Ft.				Tons	cwt.	qr.	lbs.	£	*s.*	*d.*		
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	2	10	3	7	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
28/46	2-11-93	6	Mushkaf-Bolan	For all bolts, nuts, and washers, except service bolts	0	0	2	7	14	10	0	,,	
			Upper	For all service bolts, nuts, and washers	0	0	0	21	16	10	0	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**2**	**11**	**2**	**7**	**26**	**18**	**6**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods...	1	3	3	0	9	0	0	Ton.	
27/77	13-10-93	12	East Coast	For all bolts, nuts, and washers, except service bolts	0	1	1	14	20	10	0	,,	
			Do.	For all service bolts, nuts, and washers	0	0	0	7	20	10	0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	**1**	**5**	**0**	**21**	**12**	**3**	**3**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
28/46 2-11-93	12	Mushkaf-Bolan	Upper	For all steel in girder work, including rivets, and spare rivets ...	5	0	1	0	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers, except service bolts	0	0	2	7	14	10	0	,,	
				For all service bolts, nuts, and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 12 ft., complete, with bolts, rivets, &c. ...	**5**	**1**	**0**	**21**	**52**	**14**	**7**	**Span.**	
22/357 31-5-93	20	East Coast	Do.	For all steel in girder work, including rivets and spare rivets ...	3	15	3	21	9	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	1	1	14	18	10	0	,,	
				For all service bolts, nuts and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**3**	**17**	**2**	**21**	**36**	**4**	**7**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
25/420 28-8-93	20	East Coast	Upper	For all steel in girder work, including rivets, and spare rivets ...	3	15	3	21	8	15	0	Ton.	
				For all bolts, nuts, and washers ...	0	1	1	14	18	10	0	,,	
				For all service bolts, nuts, and washers	0	0	1	14	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c.	**3**	**17**	**2**	**21**	**34**	**16**	**4**	**Span.**	
28/46 2-11-93	20	Mushkaf-Bolan	Do.	For all steel in girder work, including rivets, and spare rivets ...	9	17	3	14	10	7	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0	0	2	7	14	10	0	,,	
				For all service bolts, nuts, and washers	0	0	3	0	16	10	0	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c.	**9**	**19**	**0**	**21**	**103**	**13**	**6**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
28/337 25-11-93	30	Mushkaf-Bolan	Upper	For all steel in girder work, including rivets, spare rivets, and rivet rods	15	17	0	0	9	12	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0	1	0	7	18	10	6	,,	
				For all service bolts, nuts, and washers	0	1	0	14	15	10	6	,,	
				Girders, plate, 30 ft., complete, with bolts, rivets, &c.	**15**	**19**	**0**	**21**	**154**	**8**	**4**	**Span.**	
18/77 10-1-93	32 over all	North Western	Do.	For all steel in girder work, including rivets, and spare rivets ...	9	18	1	14	10	7	6	Ton.	
				For all service bolts, nuts, and washers	0	1	2	0	19	0	0	,,	
				Girders, plate, 32 ft. (over all), complete with bolts, rivets, &c.	**9**	**19**	**3**	**14**	**104**	**6**	**8**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons.	cwt.	qr.	lbs.	£	s.	d.		
24/220 18-7-93	40	East Coast	Upper	For all steel in girder work, including rivets, and spare rivets ...	10	11	3	7	9	7	6	Ton.	
				For all bolts, nuts, and washers ...	0	2	2	7	20	2	6	,,	
				For all service bolts, nuts, and washers	0	0	1	14	20	2	6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c.	**10**	**14**	**3**	**0**	**100**	**18**	**0**	**Span.**	
28/337 25-11-93	40	Mushkaf-Bolan	Do.	For all steel in girder work, including rivets, spare rivets, and rivet rods	23	13	2	14	9	12	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0	1	0	7	18	10	6	,,	
				For all service bolts, nuts, and washers	0	1	2	0	15	10	6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c.	**23**	**16**	**0**	**21**	**230**	**1**	**7**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
28/100 3-11-93	60 over all	Eastern Bengal	Upper	For all steel in girder work, including rivets, and spare rivets ...	22	17	1	7	10	5	0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	4	1	7	20	10	0	,,	
				For all service bolts, nuts and washers	0	3	0	0	14	10	0	,,	
				Girders, (Special) plate, 60 ft., (over all), complete, with bolts, rivets, &c.	**23**	**4**	**2**	**14**	**240**	**19**	**4**	**Span.**	Depth 4′ 6″ Bed plates, 3 feet long.
28/337 25-11-93	60	Mushkaf-Bolan	Do.	For all steel in girder work, including rivets, spare rivets, and rivet rods ...	44	11	3	0	9	12	6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0	1	3	7	18	10	6	,,	
				For all service bolts, nuts and washers	0	3	0	0	15	10	6	,,	
				Girders, plate, 60 ft., complete, with bolts, rivets, &c.	**44**	**16**	**2**	**7**	**433**	**3**	**3**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
28/338 25-11-93	60	Mushkaf-Bolan	Upper	For all steel in girder work including rivets, spare rivets and rivet, rods ...	44	11	3	0	9	15	0	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle, and probably eight wheels coupled.
				For all bolts, nuts, and washers ...	0	1	3	7	15	10	0	,,	
				For all service bolts, nuts, and washers	0	3	0	0	15	10	0	,,	
				Girders, plate, 60 ft. complete, with bolts, rivets, &c...	**44**	**16**	**2**	**7**	**438**	**9**	**1**	**Span.**	
18/114 11-1-93	62′ 4″ over all	North Western	Do.	For all steel in girder work, including rivets, spare rivets, and rivet rods	28	13	3	14	10	7	6	Ton.	
				For all bolts, nuts, and washers, except service bolts	0	1	0	14	16	5	0	,,	
				For all service bolts, nuts, and washers	0	3	0	0	13	5	0	,,	
				Girders, plate, 62 ft. 4 in., (over all), complete, with rivets, spare rivets, &c. ...	**28**	**18**	**0**	**0**	**300**	**12**	**0**	**Span.**	

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5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
29/102 16-12-93	100	Mushkaf-Bolan	Upper	For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	81 15 3 14	9 7 6	Ton.	Specially designed to carry specially heavy ghât engines, having axle loads of at least 17 tons per axle and probably eight wheels coupled.
				For all steel in expansion rollers and frames	0 16 3 0	17 12 6	,,	
				For all cast iron	3 12 1 0	8 17 6	,,	
				Girders, 100 ft., triangulated (on square), complete, with bolts, rivets, &c.	**86 4 3 14**	**813 12 6**	**Span.**	
29/102 16-12-93	100*	Do.	Do.	For all steel in girder work, rivets, rivet rods, bolts, service bolts, &c....	82 4 0 14	9 7 6	Ton.	
				For all steel in expansion rollers and frames	0 16 3 0	17 12 6	,,	
				For all cast iron	3 12 1 0	8 17 6	,,	Ditto.
				Girders, 100 ft., triangulated (one skew span) complete, with bolts, rivets, &c. ...	**86 13 0 14**	**817 10 0**	**Span.**	*For "Bridge No. 221."

5′ 6″ GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
29/103 16-12-93	100	Bina-Guna	Lower	For all steel in girder work, including rivets, and spare rivets ...	87 5 3 7	9 16 6	Ton.	
				For all bolts, nuts, and washers ...	0 3 2 21	9 16 6	,,	
				For all service bolts, nuts, and washers	0 6 0 0	9 16 6	,,	For Sind and Betwa bridges with light foot-way to be provided on one side outside girder.
				Girders, 100 ft., triangulated, complete, with bolts, rivets, &c.	**87 15 2 0**	**862 7 9**	**Span.**	
25/463 31-8-93	*232	North Western	Do.	For all steel in girder work, or plate, and barwork, including rivets, spare rivets, and rivet rods	Weight not shown in contract.	12 10 0	Ton.	
				For all steel in bolts and nuts, coach screws, and wood screws ...		20 15 0	,,	
				For all steel in rollers		28 15 0	,,	* Centre to centre of bearings 239 ft., thickness of pier, 16 feet, clearance between girders 15 feet, width over bearing plates not exceeding 22 feet.
				For all cast iron		9 15 0	,,	
				For all wrought iron or steel in roller frames		28 15 0	,,	
				For all wrought iron or steel in service bolts, nuts and washers... ...		14 15 0	,,	
				For all malleable cast iron rail clips		0 9 0	Doz.	
				For all gas tubes for hand rails ...		2 0 0	% L. ft.	
				Girders, 232 feet, complete with bolts rivets, &c. ...	**379 14 0 19**	**4,575 5 5**	**Span.**	

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				Spare parts—				
				For all steel in girder work, including rivets, and spare rivets ...	16 3 1 0	10 0 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0			
				For all service bolts, nuts, and washers	0 0 3 0			
18/78	10-1-93	... North-Western	...	For 11 cross girders, 18′ 8″ long complete, with bolts.	10 10 1 0	105 2 6	Span.	Quantities required for strengthening one span of 75 feet in the clear.
				For 2 rail girders, each 81 feet long complete, with bolts, rivets, &c.	6 6 2 0	63 5 0	Span.	
				Total for one span ...	16 16 3 0	168 7 6	Span.	

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.			**Spare parts**—concld	Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, and spare rivets ...	23 3 0 0	9 10 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 7 3 0	18 10 0	,,	
				For all service bolts, nuts, and washers	0 0 3 0	16 10 0	,,	
27/72	12-10-93	... North Western	...	For 11 cross girders, 18 ft. 8 in. long, complete, with bolts, rivets, &c.	23 11 2 0	227 14 3	Span.	Quantities required for strengthening one span of 100 feet in the clear for West Beyne Bridge.
				For 2 rail girders, 110 ft. complete, with bolts, rivets,				
				Cylinders, steel, for bridge piers—				
18/264	24-1-93	... Frontier Ry. Reserve.	...	In 3 feet lengths	0 6 0 0	16 15 0	Ton.	
				,, 4½ ,, ,, ...	0 8 0 0	14 12 6	,,	
				,, 6 ,, ,, ...	0 11 0 0	13 0 0	,,	
27/146	19-10-93	... North Western	...	Hook bolts galvanized (for holding down sleepers) with check nuts and washers, 10″ × ⅞″	2 13 0 0	26 0 0	Cwt.	The bolts to be screwed for a length of 5″, *i.e.*, up to within 5″ of the head.

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	0 7 2 21	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 0 3 14	20 17 6	,,	
24/274 20-7-93	6	Mu Valley	Upper	For all service bolts, nuts and washers	0 0 0 7	15 7 6	,,	
				Girders, plate, 6 ft., complete, with bolts, rivets, &c. ...	**0 8 2 14**	**4 17 0**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	0 8 1 17	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 1 0 0	20 12 6	,,	
21/153 14-4-93	6' 6"	Burma	Do.	For all service bolts, nuts and washers	0 0 0 7	20 12 6	,,	
				Girders, plate, 6' 6" complete, with bolts, rivets, &c. ...	**0 9 1 24**	**5 6 11**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper *or* lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
				For all steel in girder work including rivets, spare rivets, and rivet rods ...	0 14 1 21	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 1 1 7	20 17 6	,,	
24/274 20-7-93	10	Mu Valley	Upper	For all service bolts, nuts, and washers	0 0 0 7	15 7 6	,,	
				Girders, plate, 10 ft., complete, with bolts, rivets, &c.	**0 15 3 7**	**8 17 6**	**Span.**	
				For all steel in girder work, including rivets, spare rivets, and rivet rods ...	2 10 3 0	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 2 1 0	20 17 6	,,	
24/274 20-7-93	20	Mu Valley	Do.	For all service bolts, nuts, and washers	0 0 0 21	15 7 6	,,	
				Girders, plate, 20 ft., complete, with bolts, rivets, &c. ...	**2 13 0 21**	**28 10 0**	**Span.**	

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CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
18/343 27-1-93	38′ 4″	Eastern Bengal	Upper	For all steel in girder work, including rivets, and spare rivets... ...	.....	10 5 0	T'on.	Schedule weight of supposed quantities for 38′ 4″ span not given in contract.
				For all bolts, nuts, and washers, except service bolts	.....	20 5 0	,,	
				For all service bolts, nuts, and washers	.....	14 15 0	,,	
				Girders, plate, 38 ft., 4 in. complete, with bolts, rivets, &c.	**8 13 0 12**	**92 4 6**	**Span.**	
20/207 13-3-93	40	Do.	Do.	For all steel in girder work, including rivets and, spare rivets ...	8 16 2 0	10 15 0	Ton.	
				For all bolts, nuts, and washers, except service bolts	0 3 3 0	20 17 6	,,	
				For all service bolts, nuts, and washers	0 0 1 14	20 17 6	,,	
				Girders, plate, 40 ft., complete, with bolts, rivets, &c. ...	**9 0 2 14**	**99 1 1**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.	Rate—Free on board. Amount.	Unit.	Remarks.
	Ft.				Tons cwt. qr. lbs.	£ s. d.		
24/274 20-7-93.	40	Mu Valley	Upper	For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
				For all bolts, nuts, and washers ...	0 3 3 0	20 17 6	,,	
				For all service bolts, nuts, and washers	0 0 1 14	15 7 6	,,	
				Girders, plate, 40 feet, complete, with bolts, rivets, &c.	**9 0 2 14**	**93 10 0**	**Span.**	
26/215 19-9-93.	40	Do.	Do.	For all steel in girder work, including rivets, and spare rivets ...	8 16 2 0	10 2 6	Ton.	
				For all bolts, nuts and washers, except service bolts	0 3 0 13	25 2 6	,,	
				For all service bolts, nuts and washers	0 0 1 14	15 7 6	,,	
				Girders, plate, 40 feet, complete, with bolts, rivets, &c.	**8 19 3 27**	**93 10 0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*contd.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span.	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
24/274 20-7-93.	60	Mu Valley	Upper ...	For all steel in girder work, including rivets, spare rivets and rivet rods ...	20	4	0	0	10	2	6	Ton.	
				For all bolts, nuts, and washers ...	0	6	1	0	20	17	6	,,	
				For all service bolts, nuts, and washers	0	3	0	0	15	7	6	,,	
				Girders, plate, 60 feet, complete, with bolts, rivets, &c.	**20**	**13**	**1**	**0**	**214**	**0**	**0**	**Span.**	
24/274 20-7-93.	*100	Do.	Do. ...	For all steel in girder work, including rivets, and spare rivets ...	42	6	3	0	12	7	6	Ton.	
				For all steel in expansion rollers ...	0	5	2	0	23	2	6	,,	
				Wrought iron roller frames ...	0	3	2	0	29	2	6	,,	
				Cast iron bearings	2	0	1	0	11	2	6	,,	
				Steel bolts	0	12	2	11	25	2	6	,,	*Without foot-ways.
				Service bolts	0	4	2	0	15	7	6	,,	
				Girders, triangulated, 100 feet, complete, with bolts and rivets, &c.	**45**	**13**	**0**	**11**	**578**	**0**	**0**	**Span.**	

CLASS OF STORES. A.—BRIDGEWORK—*concld.*

METRE GAUGE.

Contracted for in 1893.

Contract number and date.	Clear span	Railway.	Roadway on upper or lower boom.	Details.	Estimated weight of each span.				Rate—Free on board. Amount.			Unit.	Remarks.
	Ft.				Tons	cwt.	qr.	lbs.	£	s.	d.		
26/233 21-9-93	*100	Mu Valley	* Between	For all steel in girder work, including rivets, and spare rivets ...	66	8	0	7	9	7	6	Ton.	
				For all steel in expansion rollers ...	0	7	2	0	15	17	6	,,	
				For all steel in roller frames ...	0	4	0	0	22	17	6	,,	
				For all cast iron	2	11	3	0	9	7	6	,,	*Without foot-ways.
				For all steel in bolts	0	3	3	21	15	17	6	,,	
				For all service, bolts, nuts, and washers	0	6	0	0	15	17	6	,,	
				Girders, triangulated, 100 ft., complete, with bolts, rivets, &c	**70**	**1**	**1**	**0**	**665**	**4**	**0**	**Span.**	

[*For General Distribution.*]

Circular No. 3.

FROM

THE DIRECTOR GENERAL OF RAILWAYS,

TO

THE MANAGER, NORTH WESTERN RAILWAY.
THE MANAGER, OUDH AND ROHILKHAND RAILWAY.
THE MANAGER, EASTERN BENGAL STATE RAILWAY.
THE MANAGER, BURMA STATE RAILWAY.
THE MANAGER, EAST COAST RAILWAY.
THE ENGINEER-IN-CHIEF, MU VALLEY STATE RAILWAY.
THE ENGINEER-IN-CHIEF, MUSHKAF-BOLAN STATE RAILWAY.
THE ENGINEER-IN-CHIEF, BINA-GUNA RAILWAY.
THE ENGINEER-IN-CHIEF, BHOPAL-UJAIN RAILWAY.
THE ENGINEER-IN-CHIEF, CHITTORE-ODEYPORE RAILWAY.
THE ENGINEER-IN-CHIEF, CUTTACK-MIDNAPUR-CALCUTTA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, KALKA-SIMLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MANDALAY-KUNLON RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, DELHI-MINCHINABAD RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, CHITTAGONG-AKYAB-MINHLA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, UMARKOT-PACHPADRA RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, SAUGOR-KATNI RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, BEZWADA-MADRAS RAILWAY SURVEY.
THE ENGINEER-IN-CHIEF, MARI-ATTOCK RAILWAY AND GRADIENT IMPROVEMENT WORKS, NORTH WESTERN RAILWAY.
THE PORT STOREKEEPER, STATE RAILWAY DEPARTMENT, CALCUTTA.

Rate List, Class A.—Bridgework for 1893.

Simla, the 18th July 1894.

SIR,

I have the honour to forward herewith, for information and guidance, a printed statement showing the actual English rates *free on board* in England for A. Class, State Railway Stores, *viz.*, "Bridgework," contracted for by the Stores Department of the India Office during the year 1893.

2. A statement showing the average rates per ton for entire sea freight, on Bridgework sent out from England to the several ports in India during 1893, is prefixed to the Rate list.

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

I have the honour to be,

SIR,

Your most obedient Servant,

W. S. BISSET, Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

Documents accompanying.

1. Statement showing the average rate per ton for entire sea freight on Class A Stores imported from England to the several ports during 1893.
2. Rate List, Class A.— Bridgework for 1893.

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

P. W. CURRENT No. 5907

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

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

H. M. Bisset
Lieut.-Colonel, R.E.,
Offg. Director General of Railways.

60-C

Enclosure (60-C) To the Secretary to the Government of Madras,
Public Works Department.

Recd: 8-8-94

No. 2107 W. dy 22nd August 1894

60-SC each of Specification
(4) packets Forms

Communicated
to Office Mr.
Dept.

No. 2004 W dy/13-7-92
1667 W dy/26-6-93

2 Copies Contract
Ch. E. for I. 1 S.C & 1 Copy rate list
Supdg. Engrs 5 S.C & 5 rate list to each
C.A. Govt. 2 S.C & 2 do
S.E. W. P. 1 do - do
Exn Mom 1 - do - do

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