P. W. CURRENT No. 5986

No. 1826 W d/ 23-7-94.

From

The Supg Engineer
Second Circle

No. 2108 W. d/ 22- August 1894

B
Secn 15/8

Recorded.
Recorded

To The Chief Engineer
P.W. Department

15.8

Dated 9th August 1894
Rec'd 11-8-94

Cmds
15-8-94

No. 1660 BC

Mahabalipuram — Con-
servation of ancient remains
at — Long delay in
payment of compensa-
tion for land acquired
in connection with —

Forwards extract of para
2 of letter No 421/15.5.94 from
Exe: Engr: BC Dr to the
Examiner P. W Accts, Madras
regarding —

No. 285.

UNDER
28/8.

15/8

Extract of Para 2 from letter from the Executive Engineer, Buckingham Canal Dn. to the Examiner P.W. Accounts, Madras, dy 15th May 1894, No. 421

× × ×

2. In regard to your query against what sanctions the debit will be accepted, I have to inform you that, so long ago as 1885, Government took possession of the lands referred to from the Zamindar of the village and other Mirasidars. The question of compensation was the subject of a prolonged law suit which went on for years. In January last the Collector of Chingleput District decided to grant an award for these lands — Vide Award statements No. 1 dy 21st January 1894 but, as neither an estimate nor a grant for the adjustment of the charge existed I addressed the Supt Engineer, II Circle, in my letter No. 2632 dy 9th February 94, regarding the necessity for framing an estimate for the work and for obtaining funds. The Executive Engineer, Chingleput Dn. who was in charge of the Seven Pagodas monuments and land attached, prior to their transfer to this Division in 1887, was also written to to know whether

P. W. CURRENT No. 5986

No. 1826 W dt/ 23-7-94

From

The Engg Engineer
Land Acts

To The Chief Engineer
P.W. Department

Dated 9th August 1894
Rec'd 11-8-94

No. 16603C

Mahabalipuram — Conservation of ancient remains at — Long delay in payment of compensation for land acquired in connection with —

Forwards extract of para 2 of letter No 421 15.5.94 from Exe: Engr BC &c to the Examiner P. Works, Madras regarding —

No. 2108 W. dt 22 August 1894

B

Recorded.
Recorded

18.8

Comms 15-8-54

INDEXED 28/8

[*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 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 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/S. dated 22nd August 1894.

To

THE

Communicated to officers of the P. W. Department.

(20) J.P.
W

Ch Engr for Instn
Supdg Engrs
Ex A & E Engr
Sub W of P.W.
Exr Sub auth.

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.	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.	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	,,	
8/77 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	,,	
				For all service bolts, nuts, and washers	0 3 0 0	15 2 6	,,	
25/298 19-8-93	60	Bina-Guna	Upper	**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.				Remarks.
									Amount.			Unit.	
	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.**	

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.		
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.**	

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	,,	
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	,,	
8/4 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**	**393 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, 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.**	

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 Sind and Betwa bridges with light foot-way to be provided on one side outside girder.
				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, &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	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.
25/463 31-8-93	*232	North Western	Do.	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.**	

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.				Tons cwt. qr. lbs.	£ s. d.		
				Spare parts—concld				
				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.**	

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.		
18/343 27-1-93	38' 4"	Eastern Bengal	Upper	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.
				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.	Rate—Free on board. 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.**	