HSFG Bolts

SI. No.	Thread Type	Thread Type Thread Length (mm) (mm)		Total Requirement in Nos
SHOP				
1	M16	38	60	918
2	M20	45	55	5832
3	M20	55	65	3285
4	M20	46	75	828
TOTAL - S	HOP BOLTS			10863
SITE				
1	M20	36	55	9990
2	M20	36	60	378
3	M20	36	65	2052
4	M22	38	60	4995
6	M22	38	70	40185
7	M22	38	75	9315
9	M22	38	85	11835
10	M22	38	90	990
11	M22	38	95	1053
12	M22	38	100	882
13	M22	43	120	3465
14	M22 [Taper Washer]	38	75	450
TOTAL - S	ITE BOLTS			85590

THE BRAITHWAITE BURN & JESSOP CONSTRUCTION CO. LTD.

(A Govt. of India Enterprise) HSFG BOLT ORDER LIST FOR SHOP

MADE BY - R.Bose

CHECKED BY- S. Majumder

DATE - 18.05.2023

ORDER NO.- HSFG/SHOP/2151/45.7/01

RDSO'S DRG.NO.-

REV -

ORDER NO.- 2151

PROJECT:-

9x45.7 M. 25 T. AXLE LOADING STD WELDED GIRDER FOR

BR. NO.-63D GADAG-HOTGI DOUBLING PROJECT, KARNATAKA

DATE:

	Gross Nos. For 9 Nos. Span	Gross Nos. For 1 No. Span	BOLT HEAD & NUT TYPE	THREAD TYPE	GRIP (in mm)	THREAD LENGTH (IS:3757) (in mm)	Bolt Length Provided (in mm)	REMARKS
	HEX. HD. HS	FG BOLTS, N	IUTS, PLAIN	WASHER/	TAPER W	ASHER, DT	WASHER	(FOR 9x45.7 M. SPAN)
32	ORDER QTY							
# # # T	With Spare							
	918		HEX.	16	30	38	60	
Total=	918	102						
								EACH HSFG HEX. HD. BOLT CONSIST OF ONE
	5832	648	HEX.	20	20	45	55	DTI WASHER, ONE PLAIN WASHER & ONE HEX
	3285			20	30	55	65	HD. NOT.
	828	92		20	40	46	75	
Total=	9945	1105						

NOTE:-

- 1. ALL HSFG BOLTS ARE CL-8.8 (AS PER RDSO. DRG. NO. B-11760/R) CONFORMING TO IS:4000-1992, IS: 3757-1985 (REAFFIRMED 2003).
- 2. ALL NUTS ARE CONFORMING TO IS:6623-2004 & IS:1367, PART-6 & PLAIN/TAPER WASHERS (for ISMC) ARE CONFORMING TO IS:6649.
- 3. EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE PLAIN/TAPER WASHER (As Required) & ONE HEX. HD. NUT.
- ALL BOLTS, NUTS & WASHERS MUST HAVE IDENTIFICATION MARK & MANUFACTURER'S SYMBOL & PROPERTY CLASS.
- 5. ALL BOLTS, NUTS & WASHERS MUST HAVE MANUFACTURER'S TEST CERTIFICATE IN ADDITION THREE SETS OF RANDOM SAMPLE CONSISTING OF 1 NO. Hex. HD. BOLT+Hex. HD. NUT+PLAIN WASHER/TAPER FROM EACH LOT TO BE SENT TO REPUTED INDEPENDENT NABL ACCREDITED LABORATORY.
- 6. ALL BOLTS, NUTS & WASHERS SHOULD HAVE COATING OF ZINC PHOSPHATE AS PER IS 1367 (PART-XII).
- 7. BOLT LENGTH WITH RESPECT TO GRIP & OTHER ALL DIMENSIONAL DETAILS TO BE VERIFIED BY THE PARTY PRIOR TO APPROVAL OF MANUFACTURING.
- 8. DIMENSIONAL DETAILS TO BE PROVIDED BY THE PARTY FOR PRIOR APPROVAL BEFORE MANUFACTURE.

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Requisition No:- D/2344

DATE:- 20.05.2023

THE BRAITHWAITE BURN & JESSOP CONSTRUCTION CO. LTD.

(A Govt. of India Enterprise)
HSFG BOLT ORDER LIST FOR SITE

MADE BY - R.Bose

CHECKED BY- S. Majumder

DATE - 18.05.2023

PROJECT:-

9x45.7 M. 25 T. AXLE LOADING STD WELDED GIRDER FOR

BR. NO.-63D GADAG-HOTGI DOUBLING PROJECT, KARNATAKA

ORDER NO.- HSFG/SITE/3132/45.7/01

RDSO'S DRG.NO.-

ORDER NO.- 3132

REV.-

DATE:

Gross Nos. For 9 Nos. Span	Gross Nos. For 1 No. Span	BOLT HEAD & NUT TYPE	THREAD TYPE	GRIP (in mm)	THREAD LENGTH (IS:3757) (in mm) R WASHE	Bolt Length Provided (in mm)	REMARKS SHER (FOR 9x45.7 M. SPAN)
				T			
	n i						
	1110	HEX.	M 20	20	36	55	EACH HSFG HEX. HD. BOLT CONSIST OF ONE
			M 20	22	36	60	DTI WASHER, ONE PLAIN WASHER & ONE
	228	HEX.	M 20	26,30	36	65	HEX. HD. NUT.
12420	1380	- CELINO NOVEMBER					
4995	555	HEX.	22	19,20,22	38	60	
1260			22	26	38	65	
40185	4465	HEX.	22	28,30,32	38	70	
9315	1035	HEX.	22	34,35,36	38	75	
6300	700	HEX.	22	38,40,42	38	80	EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE PLAIN WASHER & ONE
11835	1315	HEX.	22	44,45,46	38	85	HEX. HD. NUT.
990	110	HEX.	22	48,52	38	90	
1053	117	HEX.	22	54,55	38	95	
882	98	HEX.	22	62	38	100	
3465	385	HEX.	22	76	43	120	
80280	8920						
							EACH HSFG HEX. HD. BOLT CONSIST OF ONI
450	50	HEX.	22	25	38	70	DTI WASHER, ONE TAPER WASHER & C
450	50						HEX. HD. NUT.
	For 9 Nos. Span HEX. HD. HS ORDER QTY With Spare 9990 378 2052 12420 4995 1260 40185 9315 6300 11835 990 1053 882 3465 80280	For 9 Nos. Span HEX. HD. HSFG BOLTS ORDER QTY With Spare 9990 1110 378 42 2052 228 12420 1380 4995 555 1260 140 40185 4465 9315 1035 6300 700 11835 1315 990 110 1053 117 882 98 3465 385 80280 8920	For 9 Nos. Span	For 9 Nos. Span	For 9 Nos. Span For 1 No. Span HEAD & NUT TYPE TYPE (in mm) HEX. HD. HSFG BOLTS, NUTS, PLAIN WASHER/TAPE ORDER QTY	Gross Nos. For 9 Nos. Span	Gross Nos. Span Gross Nos. Span BOLT HEAD & NUT TYPE THREAD TYPE GRIP (in mm) LENGTH (IS:3757) (in mm) Length Provided (in mm) HEX. HD. HSFG BOLTS, NUTS, PLAIN WASHER/TAPER WASHER, DTI WA ORDER QTY With Spare 9990 1110 HEX. M 20 20 36 55 378 42 HEX. M 20 22 36 60 2052 228 HEX. M 20 26,30 36 65 12420 1380

NOTE:-

- 1. ALL HSFG BOLTS ARE CL-8.8 (AS PER RDSO. DRG. NO. B-11760/R) CONFORMING TO IS:4000-1992, IS: 3757-1985 (REAFFIRMED 2003).
- 2. ALL NUTS ARE CONFORMING TO IS:6623-2004 & IS:1367, PART-6 & PLAIN/TAPER WASHERS (for ISMC) ARE CONFORMING TO IS:6649.
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Requisition No:- D/2344

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