

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Consignee ID	ZipCode	Delivery Period (In number of days)
1	Shop Bolt- 20mm Dia X 60mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	8472	Set	po2bbj@27	700001	90
2	Shop Bolt- 20mm Dia X 65mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	1572	Set	po2bbj@27	700001	90
3	Shop Bolt- 20mm Dia X 70mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	8064	Set	po2bbj@27	700001	90
4	Shop Bolt- 20mm Dia X 75mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	2052	Set	po2bbj@27	700001	90
5	Shop Bolt- 20mm Dia X 85mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	300	Set	po2bbj@27	700001	90
6	Extra Plain Washer for M20 Bolt	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	20460	Nos.	po2bbj@27	700001	90
7	Extra DTI Washer for M20 Bolts	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	20460	Nos.	po2bbj@27	700001	90
8	Site Bolt- 20mm Dia X 55mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	1104	Set	po2bbj@27	700001	90
9	Site Bolt- 20mm Dia X 75mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	1008	Set	po2bbj@27	700001	90
10	Site Bolt- 20mm Dia X 85mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	600	Set	po2bbj@27	700001	90
11	Site Bolt- 22mm Dia X 70mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	600	Set	po2bbj@27	700001	90
12	Site Bolt- 22mm Dia X 60mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	2724	Set	po2bbj@27	700001	90
13	Site Bolt- 22mm Dia X 65mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	28584	Set	po2bbj@27	700001	90
14	Site Bolt- 22mm Dia X 70mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	32808	Set	po2bbj@27	700001	90

Item Number	Item Title	Item Description	Item Quantity	Unit of Measure	Consignee ID	ZipCode	Delivery Period (In number of days)
15	Site Bolt- 22mm Dia X 75mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	19260	Set	po2bbj@27	700001	90
16	Site Bolt- 22mm Dia X 80mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	30660	Set	po2bbj@27	700001	90
17	Site Bolt- 22mm Dia X 85mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	28548	Set	po2bbj@27	700001	90
18	Site Bolt- 22mm Dia X 90mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	13836	Set	po2bbj@27	700001	90
19	Site Bolt- 22mm Dia X 95mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	4332	Set	po2bbj@27	700001	90
20	Site Bolt- 22mm Dia X 100mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	912	Set	po2bbj@27	700001	90
21	Site Bolt- 22mm Dia X 105mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	1008	Set	po2bbj@27	700001	90
22	Site Bolt- 22mm Dia X 120mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	6696	Set	po2bbj@27	700001	90
23	Site Bolt- 22mm Dia X 125mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	20400	Set	po2bbj@27	700001	90
24	Site Bolt- 22mm Dia X 145mm Long	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	1260	Set	po2bbj@27	700001	90
25	Extra Plain Washer for M20 Bolts	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	2712	Nos.	po2bbj@27	700001	90
26	Extra DTI Washer for M20 Bolts	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	2712	Nos.	po2bbj@27	700001	90
27	Extra Plain Washer for M22 Bolts	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	191028	Nos.	po2bbj@27	700001	90
28	Extra DTI Washer for M22 Bolts	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	191028	Nos.	po2bbj@27	700001	90
29	Extra Taper Washer for M22 Bolts	Supply of H.S.F.G Bolts CL-8.8 as per BBJ's Order Sheet No. HSFG/SITE/3131/61.0/02 (Rev.B) Dt. 10.09.2021, No. HSFG/SHOP/2150/61.0/01 (Rev.-B) Dt. 10.09.2021	600	Nos.	po2bbj@27	700001	90

Requirement of Site HSFG Bolts

Annexure-B

Sl. No.	Thread Type	Thread Length (mm)	Length (mm)	Br. No. 15, 19, 64 & 104 (Mizoram)	Total Requirement in Nos	Remarks
				12 x 61.0M		
1	M20	35	55	1104	1104	Each HSFG Hex. HD. Bolt Consistes of One DTI Waher, One Plain Washer & One Hex. HD Nut
2	M20	35	75	1008	1008	
3	M20	35	85	600	600	
4	M22	40	70	600	600	Each HSFG Hex. HD Bolt Consistes of one DTI Washer, One Taper Washer & One Hex. HD Nut.
5	M22	40	60	2724	2724	Each HSFG Hex. HD. Bolt Consistes of one DTI Washer, One Plain Washer & One Hex. HD Nut.
6	M22	40	65	28584	28584	
7	M22	40	70	32808	32808	
8	M22	40	75	19260	19260	
9	M22	40	80	30660	30660	
10	M22	40	85	28548	28548	
11	M22	40	90	13836	13836	
12	M22	40	95	4332	4332	
13	M22	40	100	912	912	
14	M22	40	105	1008	1008	
15	M22	40	120	6696	6696	
16	M22	40	125	20400	20400	
16	M22	40	145	1260	1260	

Note :	Extra Plain Washer for M20 Bolts =	2712
	Extra DTI Washer for M20 Bolts =	2712
	Extra Plain Washer for M22 Bolts =	191028
	Extra DTI Washer for M22 Bolts =	191028
	Extra Taper Washer for M22 Bolts =	600

THE BRAITHWAITE BURN & JESSOP CONSTRUCTION CO. LTD. KOLKATA
(A Govt. of India Enterprise)
HSFG BOLT ORDER LIST FOR SHOP

MADE BY - A.K.SETH
CHECKED BY- S.CHATTERJEE
DATE - 18.04.19

ORDER SHEET NO.- HSFG/SHOP/2150/61.0/01
RDSO'S DRG.NO.-
ORDER NO.- 2150
REV.- B DATE: 10.09.21

PROJECT: (4+4+3+1)x 61.0 M. SPAN FOR BR.NO.-15,19,64 & 104 IN CONNECTION OF NEW BG RAILWAY LINE FROM BAIRABI TO SAIRANG, MIZORAM, N.F.RLY

Gross Nos. For 12 Nos. Span	Gross Nos. For 1 No. Span	BOLT HEAD & NUT TYPE	THREAD TYPE	GRIP	THREAD LENGTH (IS:3757) (in mm)	Bolt Length Provided (in mm)	REMARKS
HEX. HD. HSFG BOLTS, NUTS, PLAIN WASHER, DTI WASHER & Extra Plain Washer (FOR 12 x 61.0 M SPANS)							
ORDER QTY							
WITH 5% EXTRA							
8472	706	HEX.	M20	20	35	60	EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER , ONE PLAIN WASHER & ONE HEX. HD. NUT.
1572	131	HEX.	M20	26	35	65	
8064	672	HEX.	M20	30, 32	35	70	
2052	171	HEX.	M20	34, 36	35	75	
300	25	HEX.	M20	46	35	85	
20460	NOS PLAIN WASHER FOR M20 BOLT						
20460	NOS DTI WASHER FOR M20 BOLT						

NOTE:-

- ALL BOLTS ARE HSFG BOLTS OF CL-8.8 (AS PER RDSO. DRG. NO. B-11760/R1) CONFORMING TO IS:4000 (1992), IS: 3757(1985) (REAFFIRMED 2003).
- ALL NUTS ARE CONFORMING TO IS:6623(2004) & IS:1367(PART-6) AND PLAIN/TAPER WASHERS (for ISMC) ARE CONFORMING TO IS:6649.
- 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.
- 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.
- ALL BOLTS, NUTS & WASHERS SHOULD HAVE COATING OF ZINC PHOSPHATE AS PER IS 1367 (PART-XII).
- BOLT LENGTH WITH RESPECT TO GRIP & OTHER ALL DIMENSIONAL DETAILS TO BE VERIFIED BY THE PARTY PRIOR TO APPROVAL OF MANUFACTURING.
- DIMENSIONAL DETAILS TO BE PROVIDED BY THE PARTY FOR PRIOR APPROVAL BEFORE MANUFACTURE.

Requisition No:- D/ 2367 Date: 18.04.2019

[Signature]
21/09/21

THE BRAITHWAITE BURN & JESSOP CONSTRUCTION CO. LTD. KOLKATA
(A Govt. of India Enterprise)
HSFG BOLT ORDER LIST FOR SITE

MADE BY - A.K.SETH
CHECKED BY- S.CHATTERJEE
DATE - 18.04.2019
PROJECT:

ORDER SHEET NO.- HSGF/SITE/3131/61.0/02
RDSO'S DRG.NO.-
ORDER NO.- 3131
REV.- B DATE:10.09.21

(4+4+3+1)x 61.0 M. SPAN FOR BR.NO.-15,19,64 & 104 IN CONNECTION OF NEW BG
RAILWAY LINE FROM BAIRABI TO SAIRANG, MIZORAM, N.F.RLY

Gross Nos. For 12 Nos. Span	Gross Nos. For 1 No. Span	BOLT HEAD & NUT TYPE	THREAD TYPE	GRIP	THREAD LENGTH (IS:3757) (in mm)	Bolt Length Provided (in mm)	REMARKS
HEX. HD. HSGF BOLTS, NUTS, PLAIN WASHER/ TAPER WASHER, DTI WASHER & Extra Plain Washer (FOR 12 x 61.0 M SPANS)							
ORDER QTY WITH 5% EXTRA							
1104	92	HEX.	M20	18	35	55	EACH HSGF HEX. HD. BOLT CONSIST OF ONE DTI WASHER , ONE PLAIN WASHER & ONE HEX. HD. NUT.
1008	84	HEX.	M20	34	35	75	
600	50	HEX.	M20	44	35	85	
2724	227	HEX.	M22	18, 18.8	40	60	EACH HSGF HEX. HD. BOLT CONSIST OF ONE DTI WASHER , ONE PLAIN WASHER & ONE HEX. HD. NUT
28584	2382	HEX.	M22	20, 22	40	65	
32808	2734	HEX.	M22	26, 28	40	70	
19260	1605	HEX.	M22	30, 32, 34	40	75	
30660	2555	HEX.	M22	35, 36, 37, 38	40	80	
28548	2379	HEX.	M22	40, 42, 44	40	85	
13836	1153	HEX.	M22	46, 48	40	90	
4332	361	HEX.	M22	50, 52, 54	40	95	
912	76	HEX.	M22	56	40	100	
1008	84	HEX.	M22	62	40	105	
6696	558	HEX.	M22	76	40	120	
20400	1700	HEX.	M22	81	40	125	
1260	105	HEX.	M22	101	40	145	
600	50	HEX.	M22	25.3	40	70	EACH HSGF HEX. HD. BOLT CONSIST OF ONE DTI WASHER , ONE TAPER WASHER & ONE HEX. HD. NUT
2712	NOS PLAIN WASHER FOR M20 BOLT						
2712	NOS DTI WASHER FOR M20 BOLT						
191028	NOS PLAIN WASHER FOR M22 BOLT						
191028	NOS DTI WASHER FOR M22 BOLT						
600	NOS TAPER WASHER FOR M22 BOLT						

- NOTE:-**
- ALL BOLTS ARE HSGF BOLTS OF CL-8.8 (AS PER RDSO. DRG. NO. B-11760/R1) CONFORMING TO IS:4000 (1992), IS: 3757(1985) (REAFFIRMED 2003).
 - ALL NUTS ARE CONFORMING TO IS:6623(2004) & IS:1367(PART-6) AND PLAIN/TAPER WASHERS (for ISMC) ARE CONFORMING TO IS:8649.
 - EACH HSGF 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.
 - 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.
 - ALL BOLTS, NUTS & WASHERS SHOULD HAVE COATING OF ZINC PHOSPHATE AS PER IS 1367 (PART-XII).
 - BOLT LENGTH WITH RESPECT TO GRIP & OTHER ALL DIMENSIONAL DETAILS TO BE VERIFIED BY THE PARTY PRIOR TO APPROVAL OF MANUFACTURING.
 - DIMENSIONAL DETAILS TO BE PROVIDED BY THE PARTY FOR PRIOR APPROVAL BEFORE MANUFACTURE.

Requisition No:- D/2867 Date: 18.04.2019

Auth.
21/09/21