(A Govt. of India Enterprise)

NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

DATED: 17.10.2016

27, RAJENDRA NATH MUKHERJEE ROAD, KOLKATA - 700001, WEST BENGAL

PHONE NO. (033) 2248 5841-44; FAX: (033) 2210 3961 **E-mail**: <u>info@bbjconst.com</u>; **Website**: <u>www.bbjconst.com</u>

TENDER	NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128	DATE	17.10.2016
NO.	M11/DGM(r-v)/AM/ n.s.r.G DUL1/D/1/59/5126	DAIL	17.10.2010

NOTICE INVITING TENDER

Sealed Tenders are invited from reputed suppliers for the following work:

	1	Treputed suppliers for the following work.
01.	SCOPE OF SUPPLY	SUPPLY OF HIGH STRENGTH FRICTION GRIP BOLT (BRANDED QUALITY) CL-8.8 AS PER RDSO DRAWING NO.B-11760/R WITH NUTS AND WASHER FOR 38 X 30.5M SPAN 25T LOADING WELDED TYPE TRUSS GIRDER IN CONNECTION WITH NEW B.G. DOUBLE LINE RAIL TRACK OVER SOUTH EAST CENTRAL RAILWAY BETWEEN KHARSIA AND GURDA, CHATTISHGARH AND DELIVERY TO SITE AT CHATTISGARH.
02.	QUANTITY	AS PER BOQ. BIDDER SHOULD QUOTE RATE FOR ALL THE ITEMS OF BOQ.
03.	COST OF TENDER DOCUMENT (NON - REFUNDABLE)	Rs. 1,000.00 (RUPEES ONE THOUSAND ONLY) BY DEMAND DRAFT / PAY ORDER IN FAVOUR OF "THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED" PAYABLE AT "KOLKATA".
		SSI UNIT WITH NSIC REGISTRATION (SHOULD VALID UPTO TENDER OPENING TIME AND/OR APPLIED FOR RENEWAL) FOR SIMILAR JOB ARE EXEMPTED FROM PROVIDING COST OF TENDER. APPLICATION OF NEW REGISTRATION NO. WITH NSIC WILL NOT BE ENTERTAINED.
		BIDDER REGISTERED WITH DGS&D, PSU UNITS, RDSO APPROVED VENDORS ARE ALSO EXEMPTED FROM SUBMISSION OF COST OF TENDER, PROVIDED THEY SHOULD SUBMIT NECESSARY SUPPORTING PAPAERS.
04.	EARNEST MONEY DEPOSIT (EMD)	Rs. 1,50,000.00 (RUPEES ONE LAKH FIFTY THOUSAND ONLY) BY DEMAND DRAFT / PAY ORDER IN FAVOUR OF "THE BRAITHWAITE BURN & JESSOP CONSTRUCTION COMPANY LIMITED" PAYABLE AT "KOLKATA".
		FOR EXISTING VENDORS MAY BE ADJUSTED EMD AMOUNT FROM THEIR PASSED BILL LYING WITH BBJ PROVIDED THEY SHOULD APPLY FOR THE SAME.
		SSI UNIT WITH NSIC REGISTRATION (SHOULD VALID UPTO TENDER OPENING TIME AND/OR APPLIED FOR RENEWAL) FOR SIMILAR JOB ARE EXEMPTED FROM PROVIDING EMD. APPLICATION OF NEW REGISTRATION NO. WITH NSIC WILL NOT BE ENTERTAINED.

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NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

DATED: 17.10.2016

	/ .	301VI(1 V)//11V/ 11.0.1 .0 DO	DITTED: 17:10:2010
			BIDDER REGISTERED WITH DGS&D, PSU UNITS, RDSO
			APPROVED VENDORS ARE ALSO EXEMPTED FROM
			SUBMISSION OF EMD, PROVIDED BIDDER SHOULD
			SUBMIT NECESSARY SUPPORTING PAPAERS.
()5.	SECURITY	FOR SUCCESSFUL BIDDER(S), ABOVE EARNEST MONEY
		DEPOSIT	DEPOSIT (EMD) WILL BE CONVERTED INTO SECURITY
			DEPOSIT AND WILL BE RETAINED TILL SUCCESSFULLY
			COMPLETION OF SUPPLY OF HSFG BOLTS WITH NUTS
			& WASHER WITHOUT ANY INTEREST, SUBJECT TO
			APPLIED FOR THAT.
			FOR UNSUCCESSFUL BIDDERS, EARNEST MONEY
			DEPOSIT (EMD) WILL BE REFUNDED AFTER
			FINALIZATION OF ORDER WITHOUT ANY INTEREST.
()6.	ISSUE OF TENDER	BETWEEN 17.10.2016 TO 16.11.2016 DURING OFFICE
		DOCUMENT	HOURS.
(07	LAST DATE &	RECEIPT UP TO 13:00 HRS. ON 17.11.2016 AT BBJ's HEAD
		TIME OF RECEIPT	OFFICE.
		OF TENDER	
(08	OPENING OF	ON 17.11.2016 AT 15:00 HRS. AT BBJ'S HEAD OFFICE.
		TENDER	
		(TECHNO-	
		COMMERCIAL	
		PART)	

(A Govt. of India Enterprise)

NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

CHECK LIST

DATED: 17.10.2016

CT NO	DECODIDETON	CHECK LIST
SL NO		DOCUMENTS The state of the sta
1.	TECHNO-COMMERCIAL	To be put in a sealed envelope superscribing "Tender Notice No. &
-)	PART	Date" and "TECHNO-COMMECIAL PART".
a)	Eligibility Criteria	The bidder must submit all documents/evidence towards
		manufacture & supply of H.S.F.G Bolts CL-8.8 (As per RDSO
		Drawing No. B-11760/R) Conforming to IS:4000 (1992), IS:3757
		(1985) (reaffirmed 2003), Nut confirming to CL-8, IS:6623(2004) & IS:1367(PART 6), and plain/tener weekers (for ISMC) are
		IS:1367(PART-6) and plain/taper washers (for ISMC) are confirming to IS:6649 to Govt. agencies/PSUs. All the specifications
		are as per BBJ's Sheet No. HSFGB/3128/01 dated 10.08.2016.
b)	Earnest Money Deposit	1) Rs. 1,50,000.00 (Rupees One lakh fifty thousand) by Demand
0)	Earnest Wioney Deposit	Draft /Pay Order in favour of "The Braithwaite Burn & Jessop
		Construction Company Limited" payable at "Kolkata".
		2) SSI unit with NSIC registration (should valid upto tender opening
		time and/or applied for renewal) for similar job are exempted from
		providing EMD. However, application of new registration no
		with NSIC will not be entertained.
		3) The units registered with DGS&D, PSU Units, RDSO's approved
		Vendors are exempted from submission of EMD, provided bidder
		should submit necessary supporting document.
		4) For existing Supplier/Vendors the same may be adjusted from
		their passed bill amount lying with BBJ, provided they should apply
		for the same.
c)	COST OF TENDER	1) Rs. 1,000.00 (Rupees One thousand) by Demand Draft /Pay
	DOCUMENT	Order in favour of "The Braithwaite Burn & Jessop Construction
	(NON -REFUNDABLE)	Company Limited" payable at "Kolkata".
		2) SSI unit with NSIC registration (should valid upto tender opening
		time and/or applied for renewal) for similar job are exempted from
		providing Tender fee. However, application of new registration
		no with NSIC will not be entertained.
		3) The units registered with DGS&D, PSU Units, RDSO's approved
		Vendors are exempted from submission of Tender fee, provided
		bidder should submit necessary supporting document.
<u>d)</u>	PAN no.	Copy of PAN card duly signed & with official stamp
e)	CST/VAT Registration No	Copy of Central Sales Tax / VAT Registration certificate duly
		signed & with official stamp.
f)	Submission of Tender	The Original / Downloaded Tender document issued to the bidders
	Document	[excluding BILL OF QUANTITY (BOQ)] duly signed and sealed in
	DDICE DA DT	each page.
2.	PRICE PART	To be put in a sealed envelope superscribing "Tender Notice No. & Date" & "PRICE PART"
- 0)	Pill of Opentity (POO)	The rates to be filled up in figure & words in BOQ duly signed and
a)	Bill of Quantity (BOQ)	with office stamp by the bidder. Bidder should quote rate for all
		the items of BOQ.
3.	TENDER	The above two sealed envelop containing Techno-Commercial Part
J.		& Price Part have to put into a separate envelop superscribing
		"Tender Notice No. & Date" and "Scope of Supply" mentioning
		the followings:-
		a)Techno-commercial Part
		b) Price Part
		o, incerat

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NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

DATED: 17.10.2016 <u>IB-1</u>

INSTRUCTION TO THE BIDDERS

	INSTRUCTION TO THE BIDDERS
1.	SUBMISSION OF BID –
	All the pages of the tender document to be signed with Company's seal by the bidders. The rates
	in the appropriate space in the BOQ should be properly filled, both in figures and words. No
	overwriting, using of correction fluid will be allowed. Any correction will be done by scoring out
	the incorrect entry and inserting the new entry in a legible manner. Both the correction and new
	entry to be signed and sealed with Company's seal. In the event of any difference between figure
	& words of the quoted rates, the rate in word shall be considered for evaluating the tender.
	Tenders to be submitted in two parts :-
a)	TECHNO-COMMERCIAL PART:
	To be put in a sealed envelope superscribing "Tender Notice No. & Date" and "TECHNO -
	COMMECIAL PART" and will consists of the followings:-
i)	ELIGIBILITY CRITERIA:
	The bidder must submit all documents/evidence towards manufacture & supply of H.S.F.G Bolts
	CL-8.8 (As per RDSO Drawing No. B-11760/R) Conforming to IS:4000 (1992), IS:3757 (1985)
	(reaffirmed 2003), Nut confirming to CL-8, IS:6623(2004) & IS:1367(PART-6) and plain/taper
	washers (for ISMC) are confirming to IS:6649 to Govt. agencies/PSUs. All the specifications are
	as per BBJ's Sheet No. HSFGB/3128/01 dated 10.08.2016 with Brand Name.
ii)	EARNEST MONEY DEPOSIT
	An amount of Rs. 1,50,000.00 (Rupees One lakh fifty thousand) in form of Demand Draft/Pay
	Order in favour of "The Braithwaite Burn and Jessop Construction Company Limited" payable at
	"Kolkata". Unsuccessful bidders will be refunded the Earnest Money Deposit after the award of
	the contract to the successful bidder without any interest.
	For successful bidder(s), Earnest Money Deposit (EMD) will be converted into security deposit
	and will be retained till successful completion of supply of materials without any interest, subject
	to applied for that.
iii)	COST OF TENDER DOCUMENT (NON -REFUNDABLE)
	An amount of Rs. 1,000.00 (Rupees One thousand) by Demand Draft /Pay Order in favour of "The
	Braithwaite Burn & Jessop Construction Company Limited" payable at "Kolkata".
iv)	Copy of PAN card duly signed & with official stamp
v)	Copy of Central Sales Tax / VAT Registration certificate duly signed & with official stamp.
vi)	The Original / Downloaded Tender document issued to the bidders [excluding BILL OF
	QUANTITY (BOQ)] duly signed and sealed in each page.
b)	PRICE-PART
	Properly filled up BILL OF QUANTITY (BOQ) duly sealed and signed to be put in a separate
,	sealed envelope superscribing "TENDER NOTICE NO. & Date" and "PRICE PART".
c)	The above 'Techno-Commercial Part' and 'Price-Part' to be put in another sealed envelope
	superscribing "TENDER NOTICE NO. & Date" and "SCOPE OF SUPPLY" to be submitted
41	to BBJ's Head Office within due date & time of submission of bid.
d)	Conditional tenders and/or tenders with deviation shall be straightway rejected and no
	additional clause will be entertained.
2.	BBJ administration reserves the right to accept or reject any or all of the tenders and split
	the scope of supply into more than one agency(ies) without assigning any reason whatsoever.
	No claim will be entertained on account of this. However, in case of splitting, the L1 bidder
2	will get 60% or more of the total quantity, depending upon the requirement of BBJ.
3.	All duties, taxes, fees and other levies payable by the bidder under the contract or any other cause
4	shall be included in the quoted prices.
4.	VALIDITY OF TENDER: – 90 (ninety) days from the date of opening of tender or for a further
	period if mutually accepted.

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NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

SCC-1

DATED: 17.10.2016

SPECIAL CONDITION OF CONTRACT

1. DEFINATIONS AND INTERPRETATION:

In this Tender Document, as hereinafter defined, the following words and expressions shall have the meaning as under:

- a) "**BBJ**" shall mean The Braithwaite Burn and Jessop Construction Company Limited having its Head Office at 27, Rajendra Nath Mukherjee Road, Kolkata- 700001.
- b) The "**TENDER**" shall mean the proposal submitted by the Tenderer/ Bidder in response to BBJ's Notice of Invitation to this Tender Document.
- c) The "ORDER" shall mean a written Purchase Order issued by BBJ.
- d) The "SUPPLIER"/MANUFACTURER" shall mean the person, firm or Company (hereinafter called Tenderer) those Tender has been accepted by BBJ.
- e) S.E.C. Railway means "South East Central Railway" and/or their Authorized representatives.

2. SCOPE OF SUPPLY:

As per BILL OF QUANTITY (BOQ)

3. <u>VARIATION IN QUANTITIES:</u>

Variation will be within $\pm 25\%$ of the ordered quantity.

4. SPLITTING OF SCOPE OF SUPPLY

- (a) BBJ reserve the absolute right to split the SCOPE OF SUPPLY in respect of SIZE & QUANTITY among the Techno-commercially qualified bidders as per BBJ's requirement and decision.
- (b) However, in such case, the ratio will be 60%:40% between L1:L2 bidders, if L2 bidder matches the rate, terms and conditions of L1 bidder.
- (c) If it is divided between three parties, the ratio will be 50%:30%:20% between L1:L2:L3 bidders, if L2 & L3 bidders match the rate, terms and conditions of L1 bidder.
- (d) However, any party will not have any claim towards reduction of such quantity from their scope of supply and such splitting of Scope of Supply will be done at Negotiated Lowest Accepted Rate only.
- (e) Order quantity will be reviewed periodically by BBJ and considering the status of production and supply of Bolts, quantities may be revise/reduce as per BBJ's requirement to suit the project work.
- (f) BBJ's decision, in this regard, will be final and binding on the supplier(s) and no claim will be entertained on this account.

5. <u>INSPECTION & TESTING</u>:

Manufacturer's Test Certificate & By BBJ(QA) and/or IRCON and/or their Authorized Representative.

The following aspects may be noted in this regard:

- a) In addition to above, random samples of the Bolts shall be collected by BBJ and/or IRCON or their Authorized Representative for Third Party Testing by NABL accredited Laboratory at any stage to confirm the fulfilment of the acceptance criteria.
- b) In case of rejection of Bolts at any stage by any of the above inspection agencies, the defective lot/lots of Bolts must be replaced by the supplier by a fresh lot for further inspection and testing by the inspection agency nominated by BBJ within a reasonable time without any extra

TENDERER(S) BBJ

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NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

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DATED: 17.10.2016

SPECIAL CONDITION OF CONTRACT

cost to BBJ. Inspection and test report clearing this replacement lot with acceptable test results as per relevant IS codes and confirming all the requirements must be submitted before dispatch. Inspection certificate shall not absolve the supplier from replenishing defective Bolts at any stage.

- c) Inspection Charges will be reimbursed by BBJ at actual on submission of all the relevant documentary evidences along with bill against delivery, subject to acceptance of the lot by the inspection agency.
- d) Detailed inspection and acceptance criteria as per approved QAP is enclosed as Annexure –I.

6. FIRM PRICE:

Quoted Unit price should inclusive of all applicable taxes & Duties, incidental charges, all other local taxes, duties etc. No escalation or any variation in prices is payable to the supplier on account of any increase or modification in the tax structure or introduction/modification of existing levy structure.

Rate shall remain firm and shall not attract escalation due to any reason such as Steel price hike whatsoever in pursuance of this contract during the delivery period or upto the extended delivery period as the case may be from the date of purchase order.

7. PAYMENT TERMS:

Within 30 days after receipt of clear bill.

8. DELIVERY:

Delivery to be made at Chhattisgarh Project site, at any or all the addresses mentioned below:-.

(1) The Braithwaite Burn & Jessop Construction Company Limited

Bridge site for Bridge no. 24

Village: Pusalda PO & PS: Chhal

Dist.: Raigarh, Chhattisgarh

Chhal S.O. – 496665;

(2) The Braithwaite Burn & Jessop Construction Company Limited

Bridge site for Bridge no. 17

Village: Navrangepure, Near Dhonga Ghat,

Thana: Kharsia, Dist.: Raigarh,

Chhattisgarh – 496661;

9. DELIVERY PERIOD

Total quantity of each size are to be delivered within 90 (Ninety) days from date of LOI/Purchase order.

10. DELIVERY PERIOD EXTENSION

If there is delay for reasons not attributable to the Supplier, BBJ upon receipt of written request justifying such delay from the Supplier may extend the Delivery period as suitable and fit reasonable to BBJ. No extra claim of supplier will be entertained in such cases of time extension being granted.

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NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

SCC-3

DATED: 17.10.2016

SPECIAL CONDITION OF CONTRACT

11. SECURITY DEPOSIT:

For successful bidder, Earnest Money Deposit (EMD) will be converted into security deposit and will be retained till successfully completion of supply of HSFG bolts, nuts & washer without any interest, subject to applied for that.

12. GUARANTEE:

Supplier will stand guarantee for the quality supplied item. If the supplied quantity found defective, the defective quantity to be replaced by the supplier at their risk and cost.

13. SUBLETTING OF WORK

No part of our order nor any share or interest thereof shall, in any manner, be transferred, assigned or sublet by the successful bidder/supplier directly or indirectly to any person or firm or company, whatsoever the name, without the prior consent in writing of BBJ/ IRCON.

14. LIQUIDATED DAMAGE:

If the Supplier fails to supply the quantity within stipulated delivery period, as mentioned in the order, 0.5% (half percent) of balance order value will be deducted from bill for per week of delay or part thereof subject to a maximum of 5% (five percent) of the total order value.

15. TERMINATION OF CONTRACT:

In case of failure to discharge the duties as per our requirement, BBJ reserves the right to cancel the order, either in part or full as the situation demands and get the supply done by deploying other agency /agencies. Cost incurred for the above shall be recovered from the supplier's bill and Security Deposit.

16. **JURISDICTION OF COURT:**

The Courts at Kolkata shall have the exclusive jurisdiction to try all disputes, if any, arising out of this agreement between the parties.

(A Govt. of India Enterprise)

NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

DATED: 17.10.2016

BILL OF QUANTITIES (BOQ)

H.S.F.G Bolts of CL-8.8 (As per RDSO Drawing No. B-11760/R) Conforming to IS:4000 (1992), IS:3757 (1985) (reaffirmed 2003), All Nut are confirming to CL-8, IS:6623(2004) & IS:1367(PART-6) and plain/taper washers (for ISMC) are confirming to IS:6649. All specification are as per BBJ Sheet No. HSFG/3128/01 dated 10.08.2016.

SL.	DIAMETER		_		TOTAL AMOUNT (Rs.)
NO.	(MM)	(MM)	(SET)	(figure & words)	(figure & words)
01	16	60	1197		
	Each HSFG H Sl. no. 01	EX. HD. Bol	t consists of on	ne DTI washer, One Plain wash	her & one HEX. HD. Nut. for
02	20	55	33237		
03	20	60	319		
04	20	65	2554		
	Each HSFG H Sl. no. 02 to 0	her & one HEX. HD. Nut. for			
05	22	55	4788		
06	22	60	16000		
07	22	65	62204		
	Each HSFG H Sl. no. 05 to 0		t consists of on	ne DTI washer, One Plain wash	her & one HEX. HD. Nut. for
08	22	65	1436		
	Each HSFG H Sl. no. 08	EX. HD. Bol	t consist of one	e DTI washer, One taper wash	er & one HEX. HD. Nut. for
09	22	70	25217		
10	22	75	35591		

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NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

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SL.	DIAMETER		-	RATE PER SET (Rs.)	TOTAL AMOUNT (Rs.)
NO.	(MM)	(MM)	(SET)	(figure in words)	(figure in words)
11	22	80	14883		
12	22	85	3830		
13	22	90	6065		
14	22	100	11172		
15	22	105	13845		
16	22	120	1915		

SL. NO.	PLAIN WASHER & TAPER WASHER (As per Attached Sketch)	QUANTITY (NOS)	RATE PER NOS (Rs.) (figure in words)	TOTAL AMOUNT (Rs.) (figure in words)
17	EXTRA 10% PLAIN WASHER FOR 16 DIAMETER BOLT	120		
18	EXTRA 10% PLAIN WASHER FOR 20 DIAMETER BOLT	3611		
19	EXTRA 10% PLAIN WASHER FOR 22 DIAMETER BOLT	19551		
20	EXTRA 10% TAPER WASHER FOR 22 DIAMETER BOLT	144		

NOTE:

- 1. Quoted rate should inclusive of all taxes & Duties and Delivery charges at our Chhattisgarh Project Site. The Entry Tax will be paid by BBJ which should not be included in the quoted rate.
- 2. Unit Rate & Total amount should be written in figures & words both. In case of any difference between figure & words of the quoted rates, the rate in word shall be considered for evaluating the tender.
- 3. All specification are as per BBJ Sheet No. HSFG/3128/01 dated 10.08.2016.

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NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

DATED: 17.10.2016

- 4. The above bolts are HIGH STRENGTH FRICTION GRIP bolts of CL. 8.8 (As per RDSO DRAWING NO. B-11760/R) confirming to IS:4000 (1992), IS:3757 (1985) (reaffirmed 2003)
- 5. All Nuts are conforming to CL. 8, IS:6623(2004) & IS:1367(PART-6) and Plain/Taper washers (for ISMC) are confirming to IS:6649.
- 6. Each HSFG HEX. HD. Bolt consists of one DTI washer, One plain/taper washer (as required) & one HEX. HD. Nut.
- 7. All Bolts, Nuts & Washer must have identification mark and manufacturer's symbol & property class.
- 8. All Bolts, Nuts & Washer 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 washer from each lot to be sent to repute independent NABL accredited Laboratory.
- 9. All Bolt, Nuts & Washer should have coating of Zinc phosphate as per IS 1367 (PART-XII).
- 10. Bolts length with respect to Grip & other all dimensional details to be verified by the party prior to approval of manufacturing.

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DATED: 17.10.2016

THE BRAITHWAITE BURN & JESSOP CONSTRUCTION CO. LTD. (A Govt. of India Enterprise)

SITE HSFG BOLT ORDER LIST

SHEET NO .- HSFG/3128/01

CHECKED BY- A.K.Saha

BBJ'S DRG NO. -

DATE - 10.08.2016

ORDER NO.- 3128

PROJECT:

38 x 30.5 M SPAN 25T. LOADING WELDED TYPE TRUSS GIRDER IN CONNECTION WITH NEW B.G DOUBLE LINE RAIL TRACK OVER S.E.C RAILWAY BETWEEN KHARSIA AND GURDA, CHHATTISGARH

DATE:

With 5% Extra 1197 1197 133237 319 2554 4788 16000	HEX.	M16	AIN WASHER, TA	PER WAS	Remarks EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE PLAIN WASHER & ON HD. NUT.			
With 5% Extra 1197 1197 133237 319 2554 4788 16000	HEX.	M16			Remarks EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE PLAIN WASHER & ON			
33237 319 2554 4788 16000	HEX.	M20		60	EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE PLAIN WASHER & ON			
33237 319 2554 4788 16000	HEX.	M20		60				
319 2554 4788 16000	HEX.							
2554 4788 16000				55				
4788 16000	HEX.	M20		60	EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE PLAIN WASHER & ONE HD. NUT.			
16000		M20		65	TID. NOT.			
	HEX.	M22		55				
20004	HEX.	M22		60	EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE PLAIN WASHER & ONE HD. NUT.			
62204	HEX.	M22		65				
1436	HEX.	M22		65	EACH HSFG HEX. HD. BOLT CONSIST OF ONE DTI WASHER, ONE TAPER WASHER& ONE HD. NUT.			
25217	HEX.	M22		70				
35591	HEX.	M22		76				
14883	HEX.	M22		80				
3830	HEX.	M22		85				
6065	HEX.	M22		90				
11172	HEX.	M22		100				
13845	HEX.	M22		105				
1915	HEX.	M22		120				
	400/ 5:							
			HER FOR M16 BO					
			HER FOR M20 BO					
-			HER FOR M22 BO SHER FOR M22 BO					

- 1. ALL BOLTS ARE HSFG BOLTS OF 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 CL-8, IS:6623(2004) & IS:1367(PART-6) AND 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.
- 4. 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.

Requisition No:- D1739

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Date:- 03/09/2016

(A Govt. of India Enterprise)

NIT/DGM(P-V)/AN/ H.S.F.G BOLT/D/1739/3128

DATED: 17.10.2016

Annexure -I

QAP to be followed HSFG Bolts Nut & Washer confirming to grade 8.8

Sl.	Component	Characteristic	Frequency &	Reference	Fabricators	Inspection de	etails	Formats &	Acceptance	Remarks
No.	Description	Check	type of check	document	Quality			Records	Norms	
					Control					
						Inspection	Extent of			
						Authority	Inspection			
1	2	3	4	5	6	7	8	9	10	11
1.	HSFG	a) Physical	All HSFG	Manufac-	Random	IRCON	As per	Manufac-	Specification	Clearance
	Bolts, Nut &	Conditions –	Bolts, Rivets &	turer's Test	per lot	Audit or its	require-	turer's Test		by IRCON
	Washer	Visual	Bolts will be	Certificates	Items a), b)	nominated	ment	Certificates.	IS: 6623	or its
	confirming	checking	supplied by	&	& c) in	agency		Inspection	IS: 6649	nominated
	to grade 8.8	b) Dimensions	BBJ's regular	Challans.	Col. 3			Report by		agency
	and Bolts,	-Measurement	vendors/	Inspection	100% of d)			BBJ with		
	Rivets	c) Material	suppliers with	Report	in Col. 3			Test Results		
		Quality –	Manufacturer's	provided				from NABL	,	
		Chemical	Test	by BBJ				approved	IS: 1367	
		analysis &	Certificates.	after their				Test	(Part VI)	
		Physical tests	Further tests	own				Laboratory	IS: 1148	
		d) Verification	for HSFG	Inspection					IS: 1149	
		of Manufac-	Bolts, Rivets &	with Test					IS: 1929	
		turer's Test	Bolts will be	Results						
		Certificates	done by BBJ.	from						
			Test at random	NABL,						
			will be done by	NABL						
			IRCON	approved						
				Test						
				Laboratory						

TENDERER(S)

BBJ