

Enquiry items along with quantities:

It. no	Size & Item description	Technical requirement	Quantity in kg
1	40 mm dia X 3000 mm – 6000 mm LG	Structural steel round bar to material specification AA10108 rev.11 (IS: 2062 - 2011, Gr: E250, Quality A) and as per QA plan QA/HT/1039. straightness within 5 mm per meter. other technical details strictly as per our material specification AA10108 rev.11. Material test certificates covering all the mechanical and chemical properties strictly as per specification shall be furnished along with supply.	50600
TOTAL			50600 kg

Supplies quantity are to be restricted between 50600 kg & 41400 kg.

Pre-qualification criteria:

S. No.	Description of pre-qualification requirement	Vendor Response	
		Complied/ Not complied	Supporting Documents required to accept compliance
1	Manufacturer of steel round bar / their authorized representative	YES / NO	Relevant certificate of being manufacturer (for manufacturer not registered with BHEL) / authorization letter with validity (for authorized representative). Firm name and address from whom bars is intended to be supplied from is to be furnished.
2	Vendors should have experience of manufacturing, material testing & supplying Structural Steel round bar as per spec. AA10108 REV.11 or equivalent standards IS:2062-2011, GR: E250, Quality A/EN10025-2:2004. GR S275JR /ASTM A131M-2013/JIS G3106-2008 as per our requirement during last 7 years (ending last day of month previous to the one in which tender is published).	YES / NO	Purchase order and mill test certificate. In case of authorized dealers, relevant documents of their OEM is also considered.
3	Company shall be certified with ISO 9001 or equivalent. In case of authorized representative, valid ISO certificate of manufacturer is required.	YES / NO	Valid certificate to be submitted.
4	Vendor should furnish any 3 years' audited balance sheet of last 7 financial years. FY ending 2019 – 20.	YES / NO	Audited copy of balance sheets required.

Note:

1. BHEL has right to verify information / confirmation furnished by asking additional documents, proof etc.

ALL THE ABOVE POINT WISE PRE-QUALIFICATION REQUIREMENT ARE TO BE NECESSARILY ACCEPTED BY THE BIDDERS FOR THEIR OFFERS TO BE CONSIDERED FAILING WHICH OFFERS SHALL BE REJECTED.

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
MATERIAL MANAGEMENT – STEEL DIVISION

For this Procurement, Government of India Public Procurement (Preference to Make in India), Order 2017 with its amendments and subsequent Orders issued by the respective nodal ministries shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT.

*As per the Provisions of this order, please submit **a self-certification complying with the conditions below on company letterhead duly signed by competent authority.***

I, hereby declare on behalf of M/s. that we are participating in the Enquiry No. floated by BHEL, Bhopal (MP), India and shall comply with following:

1. Public Procurement (Preference to Make in India), Order 2017 *with its amendments* and subsequent Orders issued by the respective nodal ministries shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT.

- (a) A supplier will be treated as “**Class-I Local Suppliers**”, if the items quoted by bidder have local content equal to or more than 50%.
- (b) ‘**Local Content**’ means the amount of value added in India, which shall be total value of item quoted (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, **in percent**.

2. I hereby declare that our firm qualifies as “**Class-I Local Suppliers**”.

a. The Local Content in the items quoted under this Enquiry is Percent

b. Details of location(s) in India where this value addition shall be done, is/are as follows:

- (a)
- (b)
- (c)

(.....)

For M/s.

(Seal & Sign)

BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL
QA-HYDRO
STANDARD QUALITY ASSURANCE PLAN FOR BAR MATERIAL

QAP NO. : QA/HT/1039 Rev 00 Dated :- 16.05.2018
 SPECIFICATION : AA 10108 Rev. 11 (Structural Steel - Bars)
 SUPPLY CONDITION : Hot Rolled

1	2	3	4	5	6	7	8	9	10	11	12	
SL. NO.	STAGE	CHARACTERISTIC	METHOD	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	P	V	W	REMARKS	
1	Raw Material	Chemical	Chemical test	1 Sample / Heat	AA 10108 Rev 11 & IS : 2062-2011, Gr : E250 Quality A	AA 10108 Rev 11 & IS : 2062-2011, Gr. E250 Quality A	Mill Test Certificate	1	2	-	-	
2	Heat Treatment	Normalized - Tempered	Normalising & Tempering	1 Sample / Heat & H.T. Batch	-do-	-do-	H.T. Chart	1	2	-	-	
3	Final Stage	Stamping on test bar for mechanical Testing	Hard Stamp by TPIA	-do-	-do-	-do-	Stage Inspection Report	1	-	2	Test Piece duly stamped by TPIA	
			Mechanical Properties	As Specified in IS : 2062-2011, Gr : E250 Quality A	-do-	-do-	-do-	Supplier's Test Certificate	1	-	2	In case of traders witness by TPIA to be conducted at NABL approved Lab.
				(i) Tensile Test	-do-	-do-	-do-	Supplier's Test Certificate	1	-	2	
		(ii) Yield strength	-do-	-do-	-do-	Supplier's Test Certificate	1	-	2			
		(iii) % Elongation	-do-	-do-	-do-	Supplier's Test Certificate	1	-	2			
Chemical Composition	Chemical test	1 sample / Heat	-do-	-do-	Supplier's Test Certificate	1	-	2				
4	Dispatch	Visual Examination	Visual	100%	-do-	Bars shall be free from surface defects, bends & twists	Supplier's Dimensional Report	1	-	2	Identification & marking shall be done on face of each bar & TPIA hard stamp to be done on both face of each bar.	
		Dimension & Tolerance	Measurement	100%	IS : 1852 - 1985	IS : 1852 - 1985	-do-	1	-	2		
		Identification Marking	Hard Stamping	100%	AA 10108 Rev. 11	AA 10108 Rev. 11	1. Heat No. 2. P.O. No. 3. Spec No. 4. Size 5. Supplier's Name	1	-	2		
5	Document submission duly certified by TPIA	1) Mill test certificate (Mechanical & Chemical) 2) Supplier Test certificate (Mechanical & Chemical) 3) Dimensional Inspection report 4) Heat Treatment Chart										

Note : Final Testing of Material will be done at BHEL Bhopal works before clearance of SRV.

1 = Manufacturer / Trader
 2 = BHEL / BHEL'S TPIA
 P = Perform
 V = Verification
 W = Witness

आचार्य श्री ए.के. शर्मा / Sr. Engineer (Q.M.T.)
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2

AA10108
Rev No. 11
PAGE 2 of 2

CORPORATE PURCHASING SPECIFICATION



5.2.2 Straight for hot rolled bars:

Unless otherwise specified, the permissible deviation in straightness shall not exceed 5 mm in any 1000 mm length.

6.0 HARDNESS (BRINELL):

When tested in accordance with IS: 1500, the material shall show a brinell hardness in the range of 120-156 HB.

Note: Hardness test shall be conducted only when tensile test cannot be performed.

7.0 TEST CERTIFICATES:

Unless otherwise specified, three copies of test certificates shall be supplied.

In addition, the supplier shall ensure to enclose one copy of the test certificate along with their dispatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information.

AA10108 Rev.11 / IS:2062 Grade: E250 Quality A / EN 10025-2 Gr. S275JR,

BHEL order no., Melt no. Size, Results of chemical analysis and Mechanical tests, Supplier's name, Identification no. TC no., Signature of competent authority etc.

8.0 PACKING AND MARKING:

Plates shall be transported suitably to avoid damage during transit.

For plates below 10 mm thick, each pile (preferably of 16 plates) and each plate 10 mm thick & over shall be marked with melt no. AA10108, BHEL order no., Supplier's name, Identification no., Size & weight on any one corner and encircled with paint preferably of white colour.

9.0 REFERRED STANDARDS (Latest publications including amendments):

- 1) IS: 1500 2) IS: 1852 3) EN 10029

3

3



CORPORATE PURCHASING SPECIFICATION

AA10108
Rev No. 11
PAGE 1 of 2

STRUCTURAL STEEL-STANDARD QUALITY (PLATES, SECTIONS, STRIPS, FLATS & BARS) (ORDERING DESCRIPTION)

1.0 GENERAL:

This specification governs the quality requirements of structural steel plates, strips, flats, bars and sections such as angles, beams, channels and tees etc. of IS: 2062 – 2011, Gr: E250, Quality A

2.0 APPLICATION:

For general engineering purpose.

3.0 CONDITION OF DELIVERY:

Plates, Bars & Sections: Hot rolled in straight lengths without twists & Bends

4.0 COMPLIANCE WITH NATIONAL STANDARDS:

Material shall comply with the requirements of IS: 2062 – 2011, Gr: E250, Quality A
Material offered to EN 10025-2:2004 Gr. S275JR is also acceptable. The tolerance on dimensions for plates shall comply with EN 10029.

5.0 DIMENSIONS AND TOLERANCES:

5.1 DIMENSIONS:

5.1.1 Sizes

Material shall be supplied to the dimensions specified on BHEL Order.

5.1.2 Length

Unless otherwise specified, hot rolled bars and sections shall be supplied in 3 to 6 metres length.

5.2 Tolerances:

5.2.1 The tolerances on hot rolled material shall comply with IS: 1852. However, no plate shall be under the specified thickness at any point.

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Revisions: As per Cl. No. 38.1 of MOM of MRC-S&GPS			APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(S&GPS)		
Rev No.11	Amd No.	Reaffirmed	Prepared HPEP, Hyderabad	Issued Corp.R&D	Dt. of 1 st Issue July, 1976
Dt:22-02-2014	Dt:	Year:			