

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 Spec. AA10108 (Rev No.11) (IS: 2062 – 2011, GR: E250 quality A). Bar to be supplied in Straightness within 5 mm per meter. Other technical details strictly as per our material Spec. AA10108 (Rev 11). Material test certificates covering all the mechanical and chemical properties strictly as per Spec. Shall be Furnished along with Supply.	38500
2	75 mm dia X 3000 mm – 6000 mm LG		13200
3	100 mm dia X 3000 mm – 6000 mm LG		26400
TOTAL			78100 kg

Quantity variation as per below:

Item-1 Supplies quantity are to be restricted between 38500 kg & 31500 kg.

Item-2 Supplies quantity are to be restricted between 13200 kg & 10800 kg.

Item-3 Supplies quantity are to be restricted between 26400 kg & 21600 kg.

Pre-qualification criteria:

S. No.	Description of pre-qualification requirement	Vendor Response	
		Complied (YES/NO)	Supporting Documents required to accept compliance
1	Manufacture of steel round bar / their authorized representative.		Relevant certificate of being manufacturer (for manufacturer not registered with BHEL) / authorization letter with validity (for authorized representative). Original manufacturer name, contact details, address & email from whom bars has been supplied 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 S 275JR / ASTM A131M-2013/JIS G3106-2008 during last 7 years (ending last day of month previous to the one in which NIT is published)		Purchase order and Mill Test certificate. In case of authorized dealer relevant documents of there 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.		Valid certificate to be submitted.

Note-

- BHEL has right to verify information / confirmation furnished, by asking additional documents, proofs 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.

MAKE IN INDIA format (to be filled by OeMs of the participating bidders)

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)

	<h1 style="margin: 0;">CORPORATE PURCHASING SPECIFICATION</h1>	<div style="border-bottom: 1px solid black; padding-bottom: 2px;">AA10108</div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">Rev No. 11</div> <div style="padding-bottom: 2px;">PAGE 1 of 2</div>																		
<h2 style="margin: 0;">STRUCTURAL STEEL-STANDARD QUALITY</h2> <h3 style="margin: 0;">(PLATES, SECTIONS, STRIPS, FLATS & BARS)</h3> <h4 style="margin: 0;">(ORDERING DESCRIPTION)</h4>																				
<p>1.0 GENERAL:</p> <p>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</p> <p>2.0 APPLICATION:</p> <p>For general engineering purpose.</p> <p>3.0 CONDITION OF DELIVERY:</p> <p>Plates, Bars & Sections: Hot rolled in straight lengths without twists & Bends</p> <p>4.0 COMPLIANCE WITH NATIONAL STANDARDS:</p> <p>Material shall comply with the requirements of IS: 2062 – 2011, Gr: E250, Quality A</p> <p>Material offered to EN 10025-2:2004 Gr. S275JR is also acceptable. The tolerance on dimensions for plates shall comply with EN 10029.</p> <p>5.0 DIMENSIONS AND TOLERANCES:</p> <p>5.1 DIMENSIONS:</p> <p>5.1.1 Sizes</p> <p>Material shall be supplied to the dimensions specified on BHEL Order.</p> <p>5.1.2 Length</p> <p>Unless otherwise specified, hot rolled bars and sections shall be supplied in 3 to 6 metres length.</p> <p>5.2 Tolerances:</p> <p>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.</p>																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="padding: 5px;"> Revisions: As per Cl. No. 38.1 of MOM of MRC-S&GPS </td> <td colspan="3" style="text-align: center; padding: 5px;"> APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(S&GPS) </td> </tr> <tr> <td style="width: 20%; padding: 5px;">Rev No.11</td> <td style="width: 20%; padding: 5px;">Amd No.</td> <td style="width: 20%; padding: 5px;">Reaffirmed</td> <td style="width: 20%; padding: 5px;">Prepared</td> <td style="width: 20%; padding: 5px;">Issued</td> <td style="width: 20%; padding: 5px;">Dt. of 1st Issue</td> </tr> <tr> <td style="padding: 5px;">Dt:22-02-2014</td> <td style="padding: 5px;">Dt:</td> <td style="padding: 5px;">Year:</td> <td style="padding: 5px;">HPEP, Hyderabad</td> <td style="padding: 5px;">Corp.R&D</td> <td style="padding: 5px;">July, 1976</td> </tr> </table>			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	Issued	Dt. of 1 st Issue	Dt:22-02-2014	Dt:	Year:	HPEP, Hyderabad	Corp.R&D	July, 1976
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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

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	CHARACTERSTIC	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	i) Tensile Test	As Specified in IS :2062-2011, Gr : E250 Quality A	-do-	-do-	Supplier's Test Certificate	1	-	2	In case of traders witness by TPIA to be conducted at NABL approved Lab.
			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	
		Visual Examination	Visual	100%	-do-	Bars shall be free from surface defects, bends & twists	Supplier's Dimensional Report	1	-	2	
		Dimension & Tolerance	Measurement	100%	IS: 1852 - 1985	IS: 1852 - 1985	-do-	1	-	2	
4	Dispatch	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	Identification & marking shall be done on face of each bar & TPIA hard stamp to be done on both face of each bar.
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

Aacharya
आचार्य शर्मा / **ABHINAV SHARMA**
वरिष्ठ अभियंता (क्यू.एल.टी.) / St. Engineer (QWT)
गुणता नियंत्रण-जल टरबाइन / Quality Control-WTM
बी.एच.ई.एल., भोपाल / BHEL, BHOPAL

H.T.E

Shivendra Kumar
16/05/18
शिवेन्द्र कुमार / Shivendra Kumar
वरिष्ठ प्रबंधक / Sr. Manager
एच.टी.ई. विभाग / H.T.E. DIVISION
बी.एच.ई.एल., भोपाल / BHEL, BHOPAL

Mahendra Soni
16/5/18
महेंद्र सोनी / MAHENDRA SONI
उप प्रबंधक (उत्पादन) / Asst. Mgr.
Dy. Manager (Production) WTM Division
बी.एच.ई.एल., भोपाल / BHEL, BHOPAL