

Enquiry items along with quantities:

lt. no.	Size & Item description	Technical requirement	Quantity in kg – (Maximum)
1	25mm dia X 3000mm – 6000 mm LG.	Stainless steel round bar to BHEL specification AA10721 Rev07 in hot rolled hardened and tempered conditions. Inspection at source by BHEL or BHEL appointed third party shall be done as per QAP No. QAP/TSD/FMS/10721 Rev01 only. Final inspection at BHEL, Bhopal.	12100
2	32mm dia X 3000mm – 6000 mm LG.		13200
3	40mm dia X 3000mm – 6000 mm LG.		19800
TOTAL			45100 kg

Quantity variation as per below:

For item 1 - Supplies quantity are to be restricted between 12100 kg & 9900 kg.

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

For item 3 - Supplies quantity are to be restricted between 19800 kg & 16200 kg.

Pre-qualification criteria:

Sl. No.	Description of pre-qualification requirement	Vendor's Response	
		Complied (YES/NO)	Supporting Documents required to accept compliance
1	Manufacturer or their authorized dealer/ distributor of Stainless-Steel products – Round bars/ Square/ Flat / any section bars.		Certificate of being manufacturer (for Manufacturer). Authorized representative has to submit valid authorization letter from original manufacturer. Original manufacturer name, address, email and contact number from whom material is intended to be supplied to be furnished.
2	Offers of those parties will be considered who or their Manufacturer has supplied “Stainless Steel products- Round bars / Square/ Flat / any section bars” of minimum cumulative value of INR 16.40 Lakh (Rs. SIXTEEN LAKHS & FORTY THOUSAND ONLY) during last 05 (FIVE) years from the date of tender opening.		The relevant PO copies along with Proof of Supply (Invoice copy/ GEM CRAC / Completion certificate etc.) to be submitted with Technical offer.
3	Startups and Micro & Small Enterprises (Manufacturer of offered items) are exempted for submission of PO and proof of supply of prior experience.		

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.

DECLARATION (To be given by Bidder)

GeM Bid No.....

Item Description:

With reference to above reference bid, we M/s..... (Bidder's Name)
confirm/ declare the following.

1. Quoted Make/OEM name -
2. We are OEM or Reseller -
3. Valid Authorization certificate from OEM with OEM's Contact Details attached (In case of reseller) -
Yes / NA
4. We confirm Nil deviation from GeM bid document (NIT).

Note:

1. OEM details such as name, designation, address, e-mail Id and Phone number required to be furnished along with the technical bid. (also refer ATC clause).
2. Commercial Deviation/deviation in delivery shown separately or found hidden in the offer, will not be taken cognizance of.

Signature of Authorized Signatory

Name:

Designation:

Contact No.:

Email:

Stamp / Seal of Firm

Annexure-2

Declaration Regarding MSE Category (to be given by Bidder)

In pursuant to the Public Procurement Policy for MSEs Order, 2012, I/We declare(s) that My/Our firm is(are) falling under the following MSE category and I/we shall submit documentary evidence/ Govt. Certificate etc. (UDYAM certificate) in support of the same along with the techno-commercial offer.

Type under MSE	SC Owned	ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)
Micro				
Small				

(√ Tick whichever is applicable)

Note: If the bidder does not furnish the above in the tender, offer shall be processed construing that the bidder is not falling under MSE category.

Signature of Authorized Signatory

Name:

Designation:

Stamp / Seal of Firm

Declaration Regarding Conflict of Interest
(to be given by Bidder)

Conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- 1) If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly.
- 2) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating.
- 3) Procurement of goods directly from the manufacturers/ suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM). from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- 4) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.

I/We declares that I/We have read and understood the above aspects, and confirms that such conflict of interest does not exist and undertakes that I/We will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s), in this regard. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, I am /We are, found having indulged in above activities, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by BHEL as per extant policies/ guidelines.

Signature of Authorized Signatory

Name:

Designation:

Stamp / Seal of Firm

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:

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**.

We hereby certify that the quoted items offered by us against above Enquiry No. is having local content of..... %

Further, to certify that the local content % certified above is in line with definition of Local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 and we qualify as Class —I. (Class-I/ CLASS-II/Non-Local supplier-fill in one which is applicable) local supplier. It is also certified that Repackaging/ Refurbishment/ Rebranding of imported products and the license fees/royalties paid/ technical charges paid out of India are not considered for calculation of local content and there is no such locally-sourced imported items.

The above declaration does not include services such as transportation, insurance, installation, commissioning, training and after sales service support like AME/CMC etc. as local value addition. We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1) (i) (h) of the General Finance Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Finance Rules along with such other actions as may be permissible under law.

We further confirm that details of location(s) in India at which the local value addition is made will be at

- a.
- b.

I hereby declare that the details furnished above are true and correct to the best of my knowledge and belief and I undertake to inform you of any changes therein, immediately. In case any of the above information is found to be false or untrue or misleading or misrepresenting, I am aware that I may be held liable for it.

(.....)

For M/s.

(Seal & Sign)

STANDARD QUALITY PLAN

QAP NO:		QAP/TSD/FMS/10721		REV.01	Date: 31/05/2018					
CUSTOMER:		BHEL BHOPAL			VENDOR NAME:					
DESCRIPTION MATERIALS:		STAINLESS STEEL BARS (MARTENSITIC) Gr:X20Cr13 -H&T								
SPECIFICATION		AA10721		Rev. No.	07					
P.I./ENQ.NO. /P.O. NO.				Date:						
Sr. No.	Characteristics	Class	Quantum of check	Reference Document	Acceptance Norm	Type of record	Inspection Agency			Remarks
							P	W	V	
01	Chemical composition	Maj	Each Heat	AA 10721	As per spec	TC	2	1	-	
02	Visual Examination	Maj	100% of each lot/Heat	AA 10721	Free From Internal surface defect bars & shall be free from twists and bends	TC	2	1	-	10% Witness by TPIA
03	Dimensional Inspection	Maj	10% of each lot/Heat	AA 10721	As per Spec	TC	2	1	-	Random Sample to be Witness by TPIA
04	Heat Treatment	Maj	100% of each lot/Heat	AA 10721	As per spec	TC	2	-	1	HT Charts review per batch each melt
05	Identification of test sample	Maj	10% of each lot/Heat	AA 10721	As per spec	TC	2	1	-	As per Sample Requirement
06	Micro Structure	Maj	10% of each lot/Heat	AA 10721	ASM Handbook Vol. 9-2004	TC	2	1	-	Random Sample to be Witness by TPIA
07	Mechanical properties (Tensile strength, Yield, Elongation hardness & Charpy Impact etc.)	Maj	Each Heat	AA 10721	As per spec	TC	2	1	-	Random Sample to be Witness by TPIA
08	Ultrasonic Test	Maj	100% of Bars	AA 19358	As per spec	TC	2	1	-	Test to be performed on above 100 mm dia.
09	Stamping & Marking	Maj	100% of Bars	AA 10721	As per spec	TC	2	-	1	
10	Documentation: TC & Inspection Report	Maj	Verification	AA10721	As per spec	TC	2	-	1	TC & Reports Endorsed by TPIA

Legends: Maj = Major, V= Verification, P=Perform, W=Witness, 1=BHEL/BHEL appointed TPIA, 2= Vendor/Sub-Vendor

Prepared By

Anand

Approved By

[Signature]
जी. एस. नेतम / G.S. NETAM
 उप प्रबंधक (त.से.) / Dy. Manager (T.S.)
 तकनीकी सेवा विभाग / Tech. Services Dept.
 बी.एच.ई.एल., भोपाल / BHEL, BHOPAL



CORPORATE PURCHASING SPECIFICATION

AA 107 21

Rev. No. 07

PAGE 1 OF 4

STAINLESS STEEL BARS (MARTENSITIC) Gr:X 20 Cr 13, HARDENED AND TEMPERED

1.0 GENERAL :

This specification governs the quality requirements of Stainless Steel Bars (Martensitic), Hardened and Tempered.

2.0 APPLICATION :

For general engineering purposes involving stresses under corrosive conditions.

3.0 CONDITION OF DELIVERY :

Hot rolled and hardened and tempered.

For size above 100 mm, forgings in H&T condition are also acceptable.

Bars shall be supplied in the descaled condition.

The ends of bars shall be square and true.

The bars shall be supplied in straight lengths without twists and bends.

4.0 COMPLIANCE WITH NATIONAL STANDARDS :

The material shall comply with the requirements of the following National standard and also meet the requirements of this specification.

EN 10088-3, Gr. X 20 Cr 13 : General Purpose Semi-finished Products, Bars,
Hardened and Tempered : Rods and Sections

5.0 DIMENSIONS AND TOLERANCES :

5.1 Sizes: The bars shall be supplied to the dimensions specified in BHEL order.

5.2 Tolerances:

5.2.1 For Forged bars: The tolerances shall be + 8 mm - 0 mm.

5.2.2 Tolerances on rolled bars shall comply with following specifications:

EURONORM 58: Hot rolled flats for general purposes

EURONORM 59: Hot rolled square bars for general purposes

EURONORM 60: Hot rolled round bars for general purposes

Tolerances as per equivalent IS Standards are also acceptable

Revisions:

Cl.29.5.0. of MOM of MRC-S&GPS

APPROVED:

INTERPLANT MATERIAL RATIONALISATION
COMMITTEE-MRC (S&GPS)

Rev. No. 07

Amd.No.

Reaffirmed

Prepared

Issued

Dt. of 1st Issue

Dt: 01-9-2007

Dt :

Year: 2013

BHOPAL

Corp. R&D

MAY, 1978

**5.3 Length :**

Unless otherwise specified, hot rolled bars shall be supplied in lengths of 3 to 6 meters or in multiples with maximum of 10% shorts down to 1 meter.

Forged bars shall be supplied in lengths of 1.5 to 3 metres.

6.0 MANUFACTURE :

Process used for the manufacture of the bars is left to the discretion of the manufacturer. Material shall be manufactured from fully killed steel. Sufficient reduction and discard shall be made from each ingot to ensure freedom from pipe, harmful segregation and other defects.

7.0 HEAT TREATMENT :

The recommended heat treatment is as follows:

Harden in oil / air at temperature of 950-1050°C.

Temper at suitable temperature between 650-750°C.

Details of the actual heat treatment cycle followed shall be specified in the test certificate.

8.0 FREEDOM FROM DEFECTS :

The bars shall be free from internal and surface defects. Bars shall be free from twist and bends.

9.0 CHEMICAL COMPOSITION :

The melt analysis of steel and the permissible variation in the composition of the material from the melt analysis shall be follows :

Element	<u>Melt analysis, percent</u>		Permissible variation, percent,
	min.	max.	
Carbon	0.16	0.25	- 0.01 + 0.02
Silicon	--	1.00	+ 0.05
Manganese	--	1.50	+ 0.04
Chromium	12.00	14.00	± 0.20
Sulphur	—	0.030	+ 0.005
Phosphorus	—	0.040	+ 0.005

Note: Elements not listed in this table shall not be intentionally added to the steel without the agreement of the purchaser except for finishing the cast. All appropriate precautions are to be taken to avoid the addition of such elements from scrap and other materials used in production which would impair mechanical properties and the suitability of the steel.

**10.0 TEST SAMPLES :**

The test samples shall be selected as per EN 10088 Part 3.

11.0 MECHANICAL PROPERTIES :**11.1 Tensile and impact:**

The test pieces shall show the following properties:

Ruling section, mm	Tensile strength, N/mm ²	Yield strength, min N/mm ²	Percent Elongation, min	Impact Strength at Room Temperature, ISO – V, Joules	Hardness BHN
Upto 160mm (Inclusive)	700-850	500	13	25	208-252

Note:

1. The mechanical properties required for sizes above 160 mm shall be as per mutual agreement between BHEL and manufacturer.
2. The tensile test shall be carried out in accordance with IS: 1608 or any reputed National Standard.
3. The charpy impact test shall be performed in accordance with IS: 1499 or any reputed National Standard.

An impact test shall consist of three specimens from a single test location, the average value of which shall be as specified above.

Only one value of the three can be below the specified minimum but in no case below 2/3 of the specified minimum value.

- 4 Hardness shall be informed in the test certificates for information.

12.0 ULTRASONIC TEST:

- 12.1 Each bar above 100 mm shall be tested ultrasonically in accordance with BHEL standard AA 085 01 18 to ensure freedom from internal defects. The norms of acceptance shall be as per category 2 of the above standard.

12.2 Optional tests:

If specified in order, each bar > 40 to 100mm shall be tested ultrasonically in accordance with BHEL standard AA 085 01 18 to ensure freedom from internal defects and the norms of acceptance shall be as per category 2.

**13.0 TEST CERTIFICATES :**

Three copies of test certificates shall be supplied, unless otherwise stated in the order.

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:

BHEL References:

AA 107 21 (Rev. No. 07) : Stainless steel bars (martensitic), Gr: X 20 Cr 13, H&T
BHEL order No.

Supplier's References :

Name

Identification No.

Melt No.

Details of heat treatment.

Result of Tests:

Dimensional inspection.

Results of chemical analysis, mechanical tests and Hardness check called for in this specification.

14.0 PACKING AND MARKING:

The material shall be suitably packed in bundles-Hessian wrapped-to prevent sagging and damage during transit.

Each bar/flat 50 mm in diameter/width across flats shall be stamped with 'AA 107 23', melt No., BHEL order No., at one end or on the end face.

Bars bar/flat upto and including 50 mm in diameter/width across flats shall be bundled together and tied with wire at 3 to 4 places along the length of the bars.

A metal label shall be securely attached to each bundle and shall bear the following information :

AA107 21 : Stainless steel bars (martensitic), Gr: X 20 Cr 13, H&T

BHEL Order No.

Consignment/Identification No.

Melt No.

Size and Weight.

Supplier's Name.

15.0 REFERRED STANDARDS (Latest Publications Including Amendments):

1. EN 10088-3

2. AA 0850118

3. EURONORM 58, 59 & 60