

Enquiry items along with quantities:

It. No.	Size & Item description	Technical requirement	Quantity in kg
1	0.2 mm thick X 280 - 400 mm wide	Coil Cold Reduce Mild Steel Sheet Shims to Spec- AA10131 Rev-05. MTC must be furnished along with each lot of delivery. All other details as per spec. AA10131 Rev05.	5500
TOTAL			5500 kg

Quantity variation as per below:

Item-1, Supplies quantity are to be restricted between 5500 kg & 4500 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 / trader / dealer / distributor of steel items.		Self-certificate of being manufacturer / trader / dealer / distributor of tender item.
2	Offers of those bidders will be considered who has supplied same / similar item (0.1 mm to 1.0 mm) thick in last 5 years (ending last day of month previous to the one in which tender is published).		Purchase order copy and invoice copy.

Note-

1. 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;">AA10131</div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">Rev No.05</div> <div style="padding-bottom: 2px;">PAGE 1 of 4</div>
<h2 style="margin: 0;">COLD-REDUCED MILD STEEL SHIMS</h2>		
<p>1.0 GENERAL:</p> <p>This specification governs the quality requirements of cold Mild steel shims of thickness 0.05 to 0.49 mm, supplier in the form of sheets in coils.</p> <p>2.0 APPLICATION:</p> <p>For shims and other general engineering purposes.</p> <p>3.0 CONDITION OF DELIVERY:</p> <p>Cold-Reduced sheets in coils.</p> <p>4.0 COMPLIANCE WITH NATIONAL STANDARDS:</p> <p>There is no Indian standard covering this thickness of material. However, assistance has been derived from IS: 2385</p> <p>5.0 DIMENSIONS OF TOLERANCES:</p> <p>5.1 Sizes:</p> <p>Material shall be supplied to the dimensions specified on the order.</p> <p>5.2 Tolerances:</p> <p>The thickness of shim/sheet shall be comply with the following:</p> <p>5.2.1 Thickness:</p> <p>Average thickness of consignment: The mean of the thickness of each lot of 5 sheets selection from a package shall not deviate from the ordered nominal thickness by more than ± 2.5 percent.</p> <p>Average thickness of individual sheet: The average thickness of any of the 5 sample sheets selected from a package shall not deviate by more than ± 8.5 percent from the ordered nominal thickness.</p> <p>Variation with in a sheet: The thickness of an individual specimen shall not deviate by more than ± 4 percent from the average thickness of the sheet.</p> <p>5.2.2 Length and width:</p> <p style="margin-left: 20px;">+ 5 mm - 0 mm</p>		
Revisions: Ref: e-mail from HW dt.19.02.2009		APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(S&GPS)
Rev No.05	Amd No.	Reaffirmed
Dt:20-02-2009	Dt:	Year:2020
Prepared HEP, Bhopal		Issued Corp.R&D
Dt. of 1 st Issue August, 1976		

CORPORATE PURCHASING SPECIFICATION



5.2.3 Shape:

Flatness:

Sheet shall be commercially flat when placed vertical and horizontal positions.

Sheets having from vertical position shall not show bowing of more than 5mm.

Edge Waviness:

Sheet lying on a flat surface shall not show edge waviness of more than 3 mm.

Squareness:

The maximum out of squareness shall not normally exceed 0.15 percent of the length. However, 5 percent of the sheet may exceed this limit to a maximum of 0.25%.

Camber:

Maximum camber on any edge shall be such that the deviation from the straight line does not exceed 0.15 percent on any side.

6.0 MANUFACTURE:

The method of manufacturing of the material shall be at the discretion of manufacturer.

7.0 TREATMENT:

The hot-rolled strip shall be pickled, cold – reduced with or without intermediate annealing and cleaned, annealed and finally temper-rolled, if necessary, to obtain the desired condition of the material and surface.

8.0 FREEDOM FROM DEFECTS:

The material shall be free from cracks, pitting, blisters, laminations and other surface defects.

9.0 CHEMICAL COMPOSITION

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

Element	Percent, Max	Permissible Variation, Percent, Max.
Carbon	0.12	0.02
Manganese	0.60	0.03
Sulphur	0.050	0.005
Phosphorus	0.050	0.005

10.0 TEST SAMPLES:

Hardness Test:

One Sample shall be selected from each package.



CORPORATE PURCHASING SPECIFICATION

AA10131

Rev No.05

PAGE 3 of 4

11.0 HARDNESS (VICKERS):

When tested in accordance with IS: 1501, the test pieces shall have a Vicker's hardness in the range of 80 – 120 HV.

12.0 INSPECTION AT SUPPLIERS WORKS:

Whenever specified, tests and inspection are to be conducted in the presence of BHEL's representative.

BHEL's representative shall have free access at all times while the work on the contract is being performed, to all parts of the manufacturer's works. The manufacturer shall offer BHEL's representative all reasonable facilities without charge to satisfy the latter that the material is being furnished in accordance with this specification. The manufacturer shall prepare and provide necessary test specimens for testing to be carried out at his premises. If facilities do not exist at his works, the manufacturer shall make necessary arrangements for carrying out the prescribed tests elsewhere. The manufacturer shall notify BHEL's representative in advance about the readiness of the material for inspection and testing.

BHEL reserve the right to test the material at BHEL's works and the final acceptance of the material shall be based on these test results.

13.0 TEST CERTIFICATES:

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

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

The test certificate shall bear the following information:

BHEL References:

AA10131: Rev.No. 05

BHEL Order No.

Supplier's Reference:

Name:

Identification No.

Melt No.

Process of manufacture.

Results of tests:

Dimensional inspection

Results of chemical analysis and mechanical tests.

14.0 PACKING AND MARKING:

14.1 PACKING:

The material shall be supplied in coils of continuous strip. The nominal weight of each coil shall be 1800 – 2000kg. The nominal internal diameter of coil shall be 500mm. Sheet shall be protected to prevent damage and rusting during transit.

Sheet shall be packed in line with IS: 2385.

CORPORATE PURCHASING SPECIFICATION



14.2 MARKING:

A metal label shall be securely attached to each bundle and shall be marked with the following.

AA10131: COLD-REDUCED MILD STEEL SHIMS

BHEL Order No.

Consignment / Identification No.

Weight, Size and Thickness

Supplier's Name and Grade

Melt No.

Packet/ Bundle No.

15.0 REJECTION AND REPLACEMENT:

If the material does not comply with the requirements of this specification during receipt inspection at BHEL or any defect is found during the course of further processing, such material shall be rejected notwithstanding any previous certification of satisfactory testing and/or inspection.

The manufacturer shall undertake to replace the rejected material of his own cost and the rejected material shall be taken back by the supplier's after fulfilling the commercial terms and conditions

16.0 REFERRED STANDARDS:

The following is the list of the latest standards, as published by the respective issuing bodies, referred to in this specification.

1) IS: 228

2) IS: 1501

3) IS: 2385