

BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
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Sub: Requirement of Galvanized Steel Sheets

The Heavy Electricals Equipment Plant (HEEP) located in Haridwar, India is one of the major manufacturing plants of Bharat Heavy Electricals Ltd. The core business of HEEP includes design and manufacture of large steam turbines, turbo generators and so on.

Bids are invited for following items through GeM Portal- <https://gem.gov.in>

Item Description	Mat. Code	Size (mm)	Qty. (Kg)	Delivery
Galvanized Steel Sheets, Grade-120 GPD/GC Specification- AA10166 Rev: 06	AA1011766221	0.25 x (900-1250) x (2500-3000)	15000	30/10/2024

Remarks-

1. Delivery period mentioned in enquiry is indicative, bidders to quote their best possible delivery.
2. Item in coil form with width (900-1250) mm is also acceptable.
3. Quantity tolerance $\pm 10\%$ is acceptable in view of dimensional tolerances.
4. **Breach of Contract:**

In case of breach of contract, wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is atleast 10% of the contract value, the same be encashed. In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, etc. with BHEL) or legal remedies be pursued. The balance scope shall be got done independently without Risk & Cost of the failed supplier/ contractor. Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract. Accordingly, recovery of an amount equivalent to 10% of the contract value shall be made in case of breach of contract.

5. Payment terms shall be as follows:

Type of Bidder	Payment Terms (Number of days)
Micro & Small Enterprises (MSEs)	45 days
Medium Enterprises	60 days
Non MSME	90 days

Note: Benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists / Dealers / Traders etc. for the items offered but not manufactured by themselves.

6. “A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity’s interests. **The bidder found to have a conflict of interest shall be disqualified.** A bidder may be considered to have a conflict of interest with one or more parties in the bidding process, if”
- a. They have controlling partner (s) in common; **or**
 - b. They receive or have received any direct or indirect subsidy/financial state from any of them; **or**
 - c. They have the same legal representative/ agent for purposes of this bid; **or**
 - d. They have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; **or**
 - e. Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components / sub-assembly/ Assemblies from one bidding manufacturer in more than one bid; **or**
 - f. In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent / dealer. There can be only one bid from the following:
 1. The principal manufacturer directly or through one Indian agent on his behalf; and
 2. Indian/ foreign agent on behalf of only one principal;**or**
 - g. A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; **or**
 - h. In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidder must proactively declare such sister/ common business/ management units in same/ similar line of business.”
7. Rest terms & condition shall be as per latest GeM GTC.

Pre- Qualification Requirements

Sl. No	Technical Requirement	Vendor's confirmation (Y/N)
01	Vender must have successfully supplied galvanized steel sheets as per IS 277 or other equivalent national/international standard against at least one purchase order in last seven years as on date of enquiry. Purchase Order and Test Certificate copies in support of above to be provided.	
02	Vendor to confirm that item shall be supplied as per enquiry specification and dimensions.	

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
01	Testing and certification as per ordering specification and documents.	

Signature with stamp**Name:****Name of Firm:****Designation:****Date:**

(Self-Certification for local content)

In line with Government Public Procurement Order 2017 dated 16.09.2020, we hereby certify that we

.....
(supplier name) inform that local content is% (indicate percentage of local content) and are

Class- I local supplier (meeting requirement of)-

Minimum Local content 50%

or

Class- II local supplier (meeting requirement of)-

Minimum Local content 20%

(mark wherever applicable)

defined by Nodal Ministries/ Departments as per above order for the material against Enquiry No.

.....
Details of location at which local value addition will be made is as follows:

.....
.....
.....

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Supplier

(Specification)

AA10166 Rev:06



CORPORATE PURCHASING SPECIFICATION

AA 101 66

Rev. No. 06

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GALVANIZED STEEL SHEET, GRADE 120 GPD/GC

1.0 GENERAL:

This specification governs the quality requirements of plain and corrugated galvanized steel sheets, grade 120 GPD/GC produced by hot-dip process.

2.0 APPLICATION:

Used for general purpose, such as paneling and roofing.

3.0 CONDITION OF DELIVERY:

Annealed or normalized and galvanized.

The sheets shall be supplied plain or corrugated as specified in BHEL order.

4.0 COMPLIANCE WITH NATIONAL STANDARDS:

Material shall comply with the requirements of the following National standards and also meet the requirements of this specification:

IS:277-2003, Gr.:120 GPD/GC: Galvanized steel sheet (Plain and corrugated)

5.0 DIMENSIONS AND TOLERANCES:

Sizes:

The material shall be supplied to the dimensions specified in BHEL order. Standard sizes shall be selected from IS:277.

Plain sheets shall be ordered on the basis of length, width and thickness.

Corrugated sheets shall be ordered on the basis of length, thickness, depth, pitch and number of corrugations.

5.2 Tolerances:

The tolerances on sheets and coils shall comply with IS : 513 as detailed below:

5.2.1 Length:

- 0 mm
- + 15 mm or 0.5 percent of length whichever is greater.

5.2.2 Diagonal:

The diagonal distances between the opposite corners of any sheet shall not differ by more than 20mm.

5.2.3 Width:

- 0 mm and + 10 mm.

Revisions :

Cl. 27.6.12 OF MOM OF MRC-S&GPS

APPROVED :

**INTERPLANT MATERIAL RATIONALISATION
COMMITTEE-MRC (S&GPS)**

Rev. No. 06

Amd.No.

Reaffirmed

Prepared

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Dt :

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Corp. R&D

AUGUST, 1976

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CS-865

**5.2.4 Mass:**

The tolerance on mass of individual sheets shall be $\pm 10\%$ and tolerance on mass of each bundle of sheets shall be $\pm 5\%$.

5.2.5 Corrugations (When specified):

On depth	: ± 2.5 mm	Average of 4 measurements.
On pitch	: ± 5.0 mm	
On over all width after corrugations	: ± 25 mm	

6.0 MANUFACTURE :

The steels or coils used for galvanizing shall conform to the requirements of Gr.: O for corrugated and DD for plain of IS:513 or IS: 1079 and shall be either annealed or normalized. However, for corrugated sheets the maximum phosphorus content may be 0.09 percent.

Galvanizing shall be carried out by first pickling the black sheets or by cleaning the cold rolled coils in line and then dipping them in a bath of molten zinc at a temperature suitable to produce a complete and uniformly adhesive coating of zinc. The zinc ingots used for galvanizing shall conform at least to grade Zn 98 of IS:209.

7.0 FREEDOM FROM DEFECTS :

Galvanized plain sheets, corrugated sheets and coils shall be reasonably flat and free bare spots, holes, tears and other harmful defects.

Coils, however, may contain some abnormal imperfections which render a portion of the coil unusable since the imperfections in the coil can not be removed as in the case of cut lengths.

8.0 TEST SAMPLES:**8.1 Bend Test (For plain sheets):**

Test pieces, 230 mm long and 75 to 100 mm wide, shall be cut both along and across the direction of rolling. Bend test pieces shall be selected at the rate of one set of 2 for every 1000 sheets or part thereof. Bend test shall not be conducted for corrugated sheets.

8.2 Coating Test:

One set of three samples, each 50 x 50 mm or 50 mm diameter shall be selected at random from one sheet for every 1000 galvanized sheets or part thereof. In the case of galvanized sheets produced from black sheets, one set of three samples shall be taken, two from an extremities of a diagonal and one from the middle of the sheet whereas in the case of galvanized sheets produced from cold rolled coils, one set of three samples shall be cut, one being from the middle of the width of sheet and one each from each side of sheet and in no case closer than 75 mm from the edge of the sheet.

9.0 BEND TEST (FOR PLAIN SHEETS):

Test samples prepared in accordance with clause 8.1 above shall withstand bending through 180° round a mandrel having a diameter equal to the number of times the thickness of the sheet specified in the table below without peeling or flaking of zinc.

Thickness of sheet, mm	* Mandrel diameter
Over 0.16 and upto & incld. 0.30	4
Over 0.30 and upto & incld. 1.60	3
Over 1.60 and upto & incld. 5.00	2

* Expressed as the number of times the thickness of sheet.

CS-060



10.0 ZINC COATING TEST:

Single Test:

One test sample bearing the lightest mass of coating out of the three test samples selected under clause 8.2 above, shall be used and the mass of the zinc coating when determined by the method given in IS:6745 shall not be less than 100 g/m².

The mass of coating shall represent the total mass of zinc, both sides inclusive.

11.0 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:

AA 101 66, Rev 06: Galvanized steel sheet, Grade 120 GPD/GC

BHEL Order No,

Supplier's name,

Identification No

Dimensional inspection

Results of bend and zinc coating tests.

Note: Material procured, supplied and certified as AA 101 66, Rev 05/IS:277, Gr.:120 GPD/GC and comply with the requirements of this specification is acceptable.

12.0 PACKING AND MARKING:

Sheets shall be securely packed in waterproof paper or hessian cloth and securely tied round with hoop iron and with wooden battens underneath to prevent the sheets from corrosion and damage during transit.

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

AA 101 66: Galvanized steel sheets, grade 120 GPD/GC

BHEL Order No,

Supplier's Name

Consignment and Identification No,

Size and Weight.

13.0 REFERRED STANDARDS (Latest Publications Including Amendments) :

1. IS : 209

2. IS : 277

3. IS : 513

4. IS : 1079

5. IS:6745