

BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 226462/223948
PHONE NO: 0091 1334 284144

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 the following items through GeM Portal- <https://gem.gov.in>

Item Description	Mat. Code	Size (mm)	Total Qty (Kg)	Delivery	Delivery Period (from PO date)
Galvanized Steel Sheets Grade-120 GPD/GC- Sheet Flats-SI Specification- AA10166 Rev 06	AA1011766221	0.25x (900-1250) x (2500-3000) mm or in coil form with width (900-1250) mm	20000	30/07/2025	90

Remarks-

1. Delivery period mentioned in enquiry is indicative, bidders to quote their best possible delivery.
2. Quantity tolerance $\pm 10\%$ is acceptable in view of dimensional tolerances.
3. **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 at least 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.

4. Payment terms shall be as follows:

The payment shall be made within no. of days as defined in the below table from appointed day:

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

Appointed day means

- The day of delivery of material i.e. C-Note Date, subject to submission of non-discrepant documents by vendor as per Purchase Order.
- Or
- Where there is any objection regarding acceptance of goods, the same shall be informed to supplier within fifteen days from the day of the delivery of good. Appointed day will be the day on which such objection is removed by the supplier.
- For BOIs, the appointed day means the date of receipt of material at respective project Site (i.e. MRC date).

Note: Benefits of MSE (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

5. “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.”

6. Vendor should raise inspection call for BHEL / TPI inspection at least 4 days in advance to the planned date of inspection. If customer inspection is envisaged at vendor's works, vendor should give inspection call at least 7 days in advance to the planned date of inspection.
7. For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/ Non-local supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 19.07.2024 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.
8. Test certificate and Guarantee certificate are required.
9. Rest terms and conditions shall be as per latest GeM GTC.

Pre- Qualification Requirements

Sl. No.	Technical Requirement	Vendor's confirmation (Y/N)
01	Vendor 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.	

Quality Requirement

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
01	PRE-DISPATCH INSPECTION BY BHEL TPIA QUEST AS PER BHEL APPROVED QUALITY PLAN (QA/PMD/001 REV 00). <u>(VENDOR TO ENDORSE THE ATTACHED QUALITY PLAN WITH THEIR SIGN & STAMP.)</u>	

Signature with stamp

Name:

Name of Firm:

Designation:

Date:

(Self-Certification for local content)

**DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH
REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH
JUNE, 2020 AND SUBSEQUENT ORDER(S)**

(To be typed and submitted in the Letter Head of the Entity/Firm providing certificate as applicable)

To,

(BHEL HEEP Haridwar)

Dear Sir,

Sub: Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04th June, 2020 and subsequent order(s).

Ref: 1) GeM Bid Specification No:

2) All other pertinent issues till date

We hereby certify that the items/works/services offered by..... (*specify the name of the organization here*) has a local content of _____ % and this meets the local content requirement for **'Class-I local supplier' / 'Class II local supplier'** ** as defined in Public Procurement (Preference to Make in India), Order 2017-Revision dated 04.06.2020 issued by DPIIT and subsequent order(s).

The details of the location(s) at which the local value addition is made are as follows:

1. _____ 2. _____

3. _____ 4. _____

...

Thanking you,

Yours faithfully,

**(Signature, Date & Seal of
Authorized Signatory of the Bidder)**

**** - Strike out whichever is not applicable.**

Note:

1. Bidders to note that above format, duly filled & signed by authorized signatory, shall be submitted along with the techno-commercial offer.
2. In case the bidder's quoted value is in excess of Rs. 10 crores, the authorized signatory for this declaration shall necessarily be the statutory auditor or cost auditor of the company (in the case of companies) or a practising cost accountant or practicing chartered accountant (in respect of suppliers other than companies).
3. In the event of false declaration, actions as per the above order and as per BHEL Guidelines shall be initiated against the bidder.

(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

Issued

Dt. of 1st Issue

Dt: 15.06.2005

Dt :

Year :

BHOPAL

Corp. R&D

AUGUST, 1976

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.



CORPORATE PURCHASING SPECIFICATION

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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

QUALITY PLAN
(QA/PMD/001 Rev 00)

MANUFACTURER'S NAME AND ADDRESS				QUALITY PLAN				TO BE FILLED BY BHEL				TO BE FILLED BY BHEL			
VENDOR'S NAME		ITEM	AS PER PO		QP NO.	QA/PMD/001									
BHEL			DRG. NO.	AS PER PO	REV	00									
			SPEC.	AS PER PO											
			REV	AS PER PO											
SL. NO.		COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORDS	AGENCY	REMARKS				
1		2	3	4	5	6	7	8	9	M	B	N	10		
		Page 2 of 2													

2. IN CASE OF PROCUREMENT OF PLATES, PIPES, FLATS, ROUNDS, BARS, STRIPS ETC. IS PROCURED FROM TRADER/STOCKIST.													
2A	RECEIVING MATERIAL INSPECTION	IDENTIFICATION & VERIFICATION OF MILL TEST CERTIFICATES	CRITICAL	VERIFICATION OF MILL TC	100%	BHEL SPEC	BHEL SPEC	MILL TC / IR	✓	P	V	1. CO-RELATED ORIGINAL OR CO-RELATED COMPUTER GENERATED MATERIAL TEST CERTIFICATE (MTC). ORIGINATED FROM OEM (SEALED AND SIGNED BY OEM) 2. MILL TC (AS PER BHEL ORDERING DOCUMENTS) SHALL BE FROM MANUFACTURER IDENTIFIED IN PO 3. EVERY PLATES, PIPES, FLATS, ROUNDS, BARS, STRIPS ETC. MUST HAVE IDENTIFICATION MARKING OF STEEL MANUFACTURER AS PER APPLICABLE SPECIFICATION/ STANDARD. 4) CO-RELATION WITH TC ALONG WITH CORRELATED INVOICES (FROM STEEL MANUFACTURER TO BIDDER) TO BE PROVIDED WITH SUPPLY OF THE ITEMS.	
2B	For Pipes only	SAMPLE FOR CHEMICAL AND MECHANICAL TEST	MAJOR	VISUAL	AS PER ORDERING SPECIFICATION ON	AS PER ORDERING SPECIFICATION AND DOCUMENTS	AS PER ORDERING SPECIFICATION AND DOCUMENTS	REPORT	✓	P	W	-	
2C	For Pipes only	REPEAT TEST CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES	MAJOR	VISUAL AND MEASUREMENT	AS PER ORDERING SPECIFICATION ON	AS PER ORDERING SPECIFICATION AND DOCUMENTS	AS PER ORDERING SPECIFICATION AND DOCUMENTS	REPORT	✓	P	W	-	TESTING TO BE DONE IN NABL APPROVED LABORATORY ONLY.

NOTE: 1) TPIA TO REVIEW ALL THE REMAINING TCs AS PER ORDERING DRAWING / SPEC / DOCUMENTS (AS APPLICABLE).

[Signature]

MANUFACTURER/SUBCONTRACTOR		LEGEND: ! RECORDS IDENTIFIED WITH 'TICK' UNDER COLUMN 'D' SHALL BE ESSENTIALLY INCLUDED BY CONTRACTOR/VENDOR IN QA DOCUMENTATION. M: MANUFACTURER / SUBCONTRACTOR B: BHEL / BHEL NOM. INSPECTION AGENCY N: CUSTOMER INDICATE 'P' PERFORM 'W' WITNESS AND 'V' VERIFICATION ALL 'W' INDICATED IN COLUMN 'N' SHALL BE 'CHP' OF CUSTOMER		FOR CUSTOMER USE		APPROVED BY	
Digitally Signed by Indra Bhushan Kumar DN: cn=Indra Bhushan Kumar, o=BHEL, ou=BHEL, email=ibkumar@bhel.co.in Date: 2024.11.27 14:59:16 +05:30 Reason version: 2014.004.20272							

Certificate of No Deviation

CERTIFICATE OF NO DEVIATION

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Subject: **No Deviation Certificate**

Ref: 1) GeM Bid No:
2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred GeM Bid.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

**(Signature, date & seal of authorized
representative of the bidder)**

Date:

Place: