

Enquiry items along with quantities:

It. no	Size & Item description	Technical requirement	Quantity in kg
1	SS PLATE TO SA240 TP-321 OF ASME SEC-II,PART-A;2021 SIZE:4MM*1500MM*6300MM WT=302KG, 32 Nos.	STAINLESS STEEL PLATE TO SA 240 TP-321 OF ASME SEC-II, PART - A; 2021 IN SIZE 4 MM TK X 1500 MM X 6300 MM (WT. =302 KG EACH, 32 Nos.). PLATES TO BE SUPPLIED AS PER CL. 13.1.2 OF SA 480 WITH NO.1 FINISH	10147
2	SS PLATE TO SA240 TP-321 OF ASME SEC-II,PART-A;2021 SIZE:5MM TK*1250MM *5500MM WT=274KG,36 Nos.	STAINLESS STEEL PLATE TO SA 240 TP-321 OF ASME SEC-II, PART -A; 2021 IN SIZE 5 MM TK X 1250 MM X 5500 MM (WT.= 274 KG EACH, 36 Nos.). PLATES TO BE SUPPLIED AS PER CL. 13.1.2 OF SA 480 WITH NO.1 FINISH	10357
3	SS PLATE TO SA 240 TP-321 OF ASME SEC-II,PART-A;2021 SIZE:8MM*1250MM*5000MM WT= 400KG,02 Nos.	STAINLESS STEEL PLATE TO SA 240 TP-321 OF ASME SEC-II, PART - A; 2021 IN SIZE 8 MM TK X 1250 MM X 5000 MM (WT.= 400 KG EACH, 02 Nos.). PLATES TO BE SUPPLIED AS PER CL. 13.1.2 OF SA 480 WITH NO.1 FINISH	840
4	SS PLATE TO SA240 TP-321 OF ASME SEC-II,PART-A;2021 SIZE:10MM*1500MM*6300MM WT= 756KG,16 Nos.	STAINLESS STEEL PLATE TO SA 240 TP-321 OF ASME SEC-II, PART -A; 2021 IN SIZE 10 MM TK X 1500 MM X 6300 MM (WT. = 756 KG EACH, 16 Nos.). PLATES TO BE SUPPLIED AS PER CL. 13.1.2 OF SA 480 WITH NO.1 FINISH	12701
5	SS PLATE TO SA240 TP-321 OF ASME SEC-II,PART-A;2021 SIZE:12MM*1250MM*5500 MM WT= 658KG,08 Nos.	STAINLESS STEEL PLATE TO SA 240 TP-321 OF ASME SEC-II, PART -A; 2021 IN SIZE 12 MM TK X 1250 X 5500 MM (WT. = 658 KG EACH, 08 Nos.). PLATES TO BE SUPPLIED AS PER CL. 13.1.2 OF SA 480 WITH NO.1 FINISH	5527
6	SS PLATE TO SA240 TP-321 OF ASME SEC-II,PART-A;2021 SIZE:16MM*1500MM*5000MM WT= 957KG,02 Nos.	STAINLESS STEEL PLATE TO SA 240 TP-321 OF ASME SEC-II, PART -A; 2021 IN SIZE 16 MM TK X 1500 MM X 5000 MM (WT.= 957 KG EACH, 02 Nos.). PLATES TO BE SUPPLIED AS PER CL. 13.1.2 OF SA 480 WITH NO.1 FINISH	2010
7	SS PLATE TO SA240 TP-321 OF ASME SEC-II,PART-A;2021 SIZE:42MM*1250MM*5500MM WT= 2310KG,01 Nos.	STAINLESS STEEL PLATE TO SA 240 TP-321 OF ASME SEC-II, PART -A;2021 IN SIZE 42 MM TK X 1250 MM X 5500 MM (WT. = 2310 KG EACH, 01 No.) PLATES TO BE SUPPLIED AS PER CL. 13.1.2 OF SA 480 WITH NO.1 FINISH	2425
TOTAL			44007

1. Quantity variation as mentioned below:

Item-1, Supplies quantity are to be restricted between 10147 kg & 9664 kg.

Item-2, Supplies quantity are to be restricted between 10357 kg & 9864 kg.

Item-3, Supplies quantity are to be restricted between 840 kg & 800 kg.

Item-4, Supplies quantity are to be restricted between 12701 kg & 12096 kg.

Item-5, Supplies quantity are to be restricted between 5527 kg & 5264 kg.

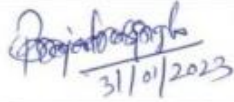


Item-6, Supplies quantity are to be restricted between 2010 kg & 1914 kg.

Item-7, Supplies quantity are to be restricted between 2425 kg & 2310 kg.

2. Tolerance on width, Length Thickness & Flatness shall be as per SA 480

PQC-TECHNICAL TO PI-141120088

S. No.	Description of pre-qualification requirement	Vendor Response	
		Complied/ Not complied	Supporting Documents required to accept compliance
1	Manufacturer (mill) of steel plate / their authorized representative / trader.	YES / NO	Certificate of being manufacturer (for manufacturer /mill not registered with BHEL) / authorization letter on mill's letterhead (for authorized representatives/trader). Authorized representative/trader to mention the mill(s) from which supplies are envisaged & same shall be binding for the contract.
2	Company shall be certified with ISO 9001 or equivalent. In case of authorized representative, Valid ISO certificate of manufacturer is required.	YES / NO	Valid certificate of mill(s) / OEM to be submitted. Not required if valid document is already furnished / available.
3	Vendor to furnish a list of their supplies mentioning material grade, thicknesses and sizes. To qualify for supplying a specific thickness, supplier should have supplied plate of material to SA 240 TP 321 as indicated below.	YES / NO	<ul style="list-style-type: none">• For Mills / OeMs - A list of past supplies (along with documents i.e. Purchase Order (PO) & dispatch details) made by the supplier.• For traders / stockiest – A list of past supplies (along with documents i.e. PO, MTC & dispatch details) made by the supplier. <p>Note:- Documents are required for each qualification thickness supplied earlier (for min. one supply) as per table.</p>
	Package no.	Indented thickness	Qualification thickness supplied earlier
	PI Item-1,2 3,4,5,6 & 7	4 – 42 mm	Min. 1 PO for 2 – 4 mm, Min. 1 PO for 20 mm or above

 31/01/2023	 31/01/23	 31/01/2023
Brajendra S Yadav Dy. Manager – CDE	Lalit Asnani Sr. DGM-CDE	Ashok Kumar Mahor Sr. DGM-CDE

Note-

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)

BHEL BHOPAL	SPECIFIC CONFIRMATION REQUIRED FROM SUPPLIER	CHECK LIST NO. CL/CDE/082
STAINLESS STEEL PLATES		
S. NO.	TECHNICAL REQUIREMENTS	CONFIRMATION / COMMENTS OF SUPPLIER (YES / NO)

01	MATERIAL OF CONSTRUCTION Stainless Steel Plates to SA240 TYPE-321 of ASME Section-II PART-A; 2021	YES / NO
02	SIZE AS PER BHEL Purchase Indent / Enquiry.	YES / NO
03	Plates supplied shall supplied as per Clause 11.1.3 OF SA 480 with no. 2B Finish/ Clause 13.1.2 of SA 480 with No.1 finish.	YES / NO
04	MARKING OF PLATE: AS PER PARA-25.1.1 OF SA-480 OF ASME SEC.II PART-A; 2021.	YES / NO
05	PACKAGING & LOADING: AS PER PARA-25 OF SA-480 OF ASME SEC.II PART-A; 2021.	YES / NO
06	NAME OF THE OEM OF PLATE Plates shall be procured from following sources-	YES / NO

1. M/S. LLOYD STEEL	MUMBAI
2. M/S. RASHTRIYA ISPAT NIGAM LTD	VIZAG
3. M/S. SAIL	MUMBAI
4. M/S. TISCO	JAMSHEDPUR
5. M/S. JINDAL STEEL & POWER LTD.	ORISSA
6. M/S. ESSAR STEEL INDIA LTD.	HAZIRA

	The offers of/with OEM's other than as listed above, Supplier/Bidder to provide above at sr. no.6, credentials (duly signed/filled, stamped & indexed) as per Vendor Credential format (QAX/TH/1500) along with the offer. In case offer meets PQR & technical requirements, credential of the mill shall be sent to NPCIL for their approval. In case of non-approval, such bids shall not be considered.	YES / NO
07	INSPECTION & CERTIFICATION BY As per reference SQAP CDE-23-3566 Rev.00. Supplier to submit QAP at contact stage for BHEL/NPCIL approval. Any change/modification in QAP at later stage by customer M/s. NPCIL shall be taken care of at supplier's end without any commercial implication. ALL THE CERTIFICATES TO BE DULY SIGNED & STAMPED BY INSPECTION AGENCY.	YES / NO
08	CLEARLY SPECIFY ANY DEVIATION(S) FROM BHEL'S REQUIREMENT. OTHERWISE IT WILL BE PRESUMED THAT THE OFFER IS IN LINE WITH OUR REQUIREMENTS.	

- Note:** (1) If original co-related Mill T.C. is not furnished, then photocopy of the same
duly endorsed by the inspection agency in original with respect to original Mill
T.C. to be furnished.
- (2) Repair of plates by welding (for any surface defects) is not permitted.

1286600/2023/HEP-CDE41100

COMPLIANCE CERTIFICATE

[To be submitted by participating bidder selecting either option (A) or (B)]

PI NO. 141120088**ITEM: SS PLATES****[A] NO TECHNICAL DEVIATION:**

We confirm to comply enquiry technical specification requirements without any deviation.

OR**[B] TECHNICAL DEVIATION:** as listed below**(Deviations listed elsewhere shall not be considered)**

1.....

2.....

3.....

Name of bidder:

Sign & stamp:

1286600/2023/HEP-CDE41100

**QUALITY ASSURANCE THERMAL (QTH)****SUB-VENDOR CREDENTIAL-INDEX**

DATE:-DD/MM/YY

NAME OF ORGANISATION: __M/S_____

ADDRESS of Organisation:-_____

PRODUCT DESCRIPTION:-_____

CONTACT PERSON : -_____

TELEPHONE (LAND LINE/MOB.) : -_____

E-MAIL :-_____

UDYOG AADHAR MEMORANDUM.:-_____

BHEL REGISTRATION NO. AND DATE:-_Registered (Year_____) / Not registered__

Sl no.	PARAMETER	PAGE NO	REMARK
1	Balance Sheet for last 4 years.		
2	Rating, Range / type etc. of equipment/ item for proposed approval.		
3	Organisational structure including QA/QC inspection dept. with man power & qualification details.		
4	In house design / R&D capability.		
5	List of sub-vendors for critical/ major bought out items.		
6	In-coming material inspection plan and Manufacturing Quality Plan.		
7	In house manufacturing facilities, machineries, Heat treatment furnace.		
8	In house NDE facilities & list of qualified NDE personnel with level of qualification.		
9	Experience (Past Track Record) list for last 3 years for similar product.		
10	Performance certificates issued by other customers.		
11	Certification of/ by reputed agencies (ISO/ ASME/ CE/ UL/API/ etc.) & also approval certificates from other customers etc.		
12	Capability to manufacture as per NPCIL Approved technical spec & fabrication code section 3NB/ND.		

Authorized Signatory

1286600/2023/HEP-CDE41100



Heat Exchanger
Group
BHEL BHOPAL

STANDARD QUALITY PLAN - SQPItem : **STAINLESS STEEL PLATE**

QA PLAN No. : CDE-23-3566
Revision No. : 00
Date of issue : 16.01.2023
PAGE : 1 of 2


S. No.	Operations	Characteristics	Class	Type of Check	Quantum of Check	Reference Document	Acceptance Norms	Format of Record	*D	Agency for action			Remarks
										S	B	C	
1	2	3	4	5	6	7	8	9		10			11
1	STAINLESS STEEL PLATE	Chemical composition	Major	Chemical	1/Heat	ASTM standard	ASTM A240 TP321	MILL TC	✓	P	V	V	Co-related mill TC to be furnished.
		Mechanical Properties	Major	Mechanical	1/Heat	ASTM standard	ASTM A240 TP321	MILL TC	✓	P	V	V	
		Intergranular Corrosion (IGC) resistance test	Major	Mechanical	1/Heat	ASTM standard	Practice A (on failure E) of Practices A262	MILL TC	✓	P	V	V	Co-related mill TC to be furnished.
		Dimensional check (Measurt. of Thickness, Length, Width & Flatness)	Critical	I + Visual	100%	Annexure-A to PI-141120088	Annexure-A to PI-141120088	IR	✓	P	W	V	
		Condition, Finish, Surface check, appearance	Critical	Visual	100%	ASTM standard	As per Clause 10 & 11.1.3 /13.1.2 of ASTM A480	TC / IR	✓	P	W	V	Cl. 11.1.3 of A480 for sheets, Cl. 13.1.2 of A480 for Plates
		Packing & Marking	Critical	Visual	100%	ASTM standard	ASTM A480	IR	✓	P	V	V	

Notes:

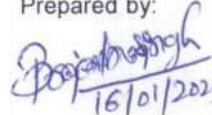
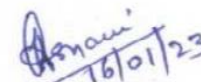

1. All testing shall be carried out at NABL certified Lab. accepted by BHEL / NPCIL.

BHEL Drng. No. : As mentioned in P.O.	BHEL Spec. No.: As mentioned in P.O.	Prepared by: 16/01/2023 Brajendra Yadav Dy. Manager - CDE	Reviewed by: 16/01/23 Lalit Asnani Sr. DGM(Design) - CDE	Approved by: 16/01/23 S P Vatsa AGM - CDE
Legend: *D- Documents marked (✓) to be included by Supplier in Doc. Package. S - Trader / Manufacturer P - Perform IR : Inspection Record B - BHEL TPIA W - Witness Measurt.: Measurement C - Customer (if any) V - Verify I - Instrument used to check TC - Test Certificate				

1286600/2023/HEP-CDE41100

 Heat Exchanger Group BHEL BHOPAL		STANDARD QUALITY PLAN - SQP						QA PLAN No. : CDE-23-3566 Revision No. : 00 Date of issue : 16.01.2023 PAGE : 2 of 2					
		Item : STAINLESS STEEL PLATE											
S. No.	Operations	Characteristics	Class	Type of Check	Quantum of Check	Reference Document	Acceptance Norms	Format of Record	*D	Agency for action			Remarks
										S	B	C	
1	2	3	4	5	6	7	8	9		10			11

2. Two (02) sets of all the above documents (i.e. MTC, TC & Inspection Record - IR) duly signed and stamped by the BHEL-IA shall be provided along with the supply.
3. Sharp edges/burrs if any to be removed.
4. Repair of plates by welding (for any surface defects) is not permitted.
5. On receipt of material at BHEL works, Material may be subjected for testing at BHEL TSD Lab.

BHEL Drng. No. : As mentioned in P.O.		BHEL Spec. No.: As mentioned in P.O.		Prepared by:  16/01/2023 Brajendra Yadav Dy. Manager - CDE	Reviewed by:  16/01/23 Lalit Asnani Sr. DGM(Design) - CDE	Approved by:  16/01/23 S P Vatsa AGM - CDE
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