

Enquiry items along with quantities:

It. no	Size & Item description	Technical requirement	Quantity in kg
1	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021: 12MM TK*3000MM*8000MM LG (2261KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE : 12 MM TK X 3000 MM X 8000 MM LONG (WT=2261.00 KG EACH X 22=49742 KG TOTAL).	52229
2	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021 : 16MM TK*3000MM*8000MM LG (3015KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE : 16 MM TK X 3000 MM X 8000 MM LONG (WT=3015.00 KG EACH X11=33165 KG TOTAL).	34823
3	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021: 20MM TK*3000MM*8000MM LG (3768KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE : 20 MM TK X 3000 MM X 8000 MM LONG (WT=3768.00 KG EACH X 6 =22608)	23738
4	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021: 25MM TK*3000MM*14000MM LG (8243KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE : 25 MM TK X 3000 MM X 14000 MM LONG (WT= 8243.00 KG EACH X 30 =247290 KG TOTAL).	259655
5	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021: 28MM TK*3000MM*8000MM LG (5276KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE :28 MM TK X3000 MM X 8000 MM LONG (WT=5276.00KG EACH X 5=26380 KG TOTAL).	27699
6	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021: 30MM TK*2500MM*9000MM LG (5299KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE :30 MM TK X 2500 MM X 9000 MM LONG (WT=5299 KG EACH X 24 =127176 KG TOTAL).	133535
7	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021: 36MM TK*3000MM*7000MM LG (5935KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE : 36 MM TK X 3000 MM X 7000 MM LONG (WT=5935.00 KG EACH X 9=53415 KG TOTAL).	56086
8	C.S. PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A-2021 : 50MM TK*2500MM*9000MM LG (8832 KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PART-A; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE : 50 MM TK X 2500 MM X 9000 MM LONG (WT=8832.00 KG EACH X 4= 35328 KG TOTAL).	37094
9	C.S. PLATES TO SA516 GR.70 OF ASME SEC.II PART-A-2021: 54MM TK*2500MM*11000MM LG (11658KG EACH)	CARBON STEEL PLATES TO SA 516 GR. 70 OF ASME SEC. II PARTA; 2021 AND CHECKLIST TO P.I. 141120089 ENCLOSED. SIZE : 54MM TK X 2500 MM X 11000 MM LONG (WT= 11658.00 KG EACH X 6= 69948 KG TOTAL).	73445
TOTAL=			698304

1. Quantity variation as mentioned below:

- Item-1,** Supplies quantity are to be restricted between 52229 kg & 49742 kg.
- Item-2,** Supplies quantity are to be restricted between 34823 kg & 33165 kg.
- Item-3,** Supplies quantity are to be restricted between 23738 kg & 22608 kg.
- Item-4,** Supplies quantity are to be restricted between 259655 kg & 247290 kg.
- Item-5,** Supplies quantity are to be restricted between 27699 kg & 26380 kg.
- Item-6,** Supplies quantity are to be restricted between 133535 kg & 127176 kg.
- Item-7,** Supplies quantity are to be restricted between 56086 kg & 53415 kg.
- Item-8,** Supplies quantity are to be restricted between 37094 kg & 35328 kg.
- Item-9,** Supplies quantity are to be restricted between 73445 kg & 69948 kg.

2. Dimensional Tolerance shall be as per SA 20

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 / 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 516 Gr 70 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. Note:- Documents are required for each qualification thickness supplied earlier (for min. one supply) as per table. . 																				
	<table border="1"> <thead> <tr> <th>Indented thickness</th> <th>Minimum qualification thickness supplied earlier</th> </tr> </thead> <tbody> <tr><td>12 mm</td><td>12 mm</td></tr> <tr><td>16 mm</td><td>16 mm</td></tr> <tr><td>20 mm</td><td>20 mm</td></tr> <tr><td>25 mm</td><td>25 mm</td></tr> <tr><td>28 mm</td><td>28 mm</td></tr> <tr><td>30 mm</td><td>30 mm</td></tr> <tr><td>36 mm</td><td>36 mm</td></tr> <tr><td>50 mm</td><td>50 mm</td></tr> <tr><td>54 mm</td><td>50 mm</td></tr> </tbody> </table>	Indented thickness	Minimum qualification thickness supplied earlier	12 mm	12 mm	16 mm	16 mm	20 mm	20 mm	25 mm	25 mm	28 mm	28 mm	30 mm	30 mm	36 mm	36 mm	50 mm	50 mm	54 mm	50 mm		
Indented thickness	Minimum qualification thickness supplied earlier																						
12 mm	12 mm																						
16 mm	16 mm																						
20 mm	20 mm																						
25 mm	25 mm																						
28 mm	28 mm																						
30 mm	30 mm																						
36 mm	36 mm																						
50 mm	50 mm																						
54 mm	50 mm																						

 06.02.2023	 06/02/23	 06/02/23
D K Audh Dy. Manager – CDE	Lalit Asnani Sr. DGM-CDE	S P Vatsa AGM-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)

Annexure-1

INTEGRITY PACT**Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for Carbon Steel Plate (E1423075) (hereinafter referred to as "Contract"). The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
 - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. 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.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process, terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above, the Bidder(s)/ Contractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.
- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact.
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.

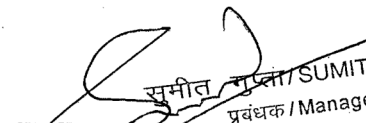
- 8.5 The advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs. Issues like warranty/ guarantee etc. shall be outside the purview of IEMs.
- 8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.
- 8.13 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.
- 9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

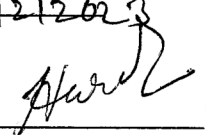
- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.
- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.
- 10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.
- 10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.


 सुमीत गुप्ता/SUMIT GUPTA
 प्रबंधक / Manager
 For & On behalf of the Principal
 (Office Seal)

 For & On behalf of the Bidder/ Contractor
 (Office Seal)

Place Bhopal

Date 14/2/2023

Witness:  14/02/23
 (Name & Address) HARSH ASUDANI
BHEL BHOPAL

Witness: _____
 (Name & Address) _____

BHEL BHOPAL	SPECIFIC CONFIRMATIONS REQUIRED FROM SUPPLIER	CHECK LIST No. CL/CDE/037
CARBON STEEL PLATES		
S.No.	TECHNICAL REQUIREMENTS	CONFIRMATIONS/COMMENTS OF SUPPLIER (YES/NO)

01.a	MATERIAL OF CONSTRUCTION : CARBON STEEL TO SA-516 Gr.70 OF ASME Sec.II PART-A;2021 AND HEAT TREATED TO SPECIFICATION. YES/NO
01.b	PLATES PRODUCED FROM DE-COILING IS NOT ACCEPTABLE YES/NO
02	SIZE & QUANTITY - AS PER BHEL ENQUIRY YES/NO
03.	NON DESTRUCTIVE EXAMINATION PLATES 12 TK AND ABOVE ULTRASONICALLY TESTED AS PER LEVEL-B OF SA-578 YES/NO
04	HEAT TREATMENT - NORMALISING YES/NO
05.a.	MECHANICAL TEST - AS PER SPECIFICATION INCLUDING BEND TEST AS PER SA-20 OF ASME SEC.II PART-A;2021 YES/NO
05.b.	CARBON STEEL PLATE SHALL ALSO MEET THE FOLLOWINGS 1. VACCUM TREATMENT TO S1 2. CHARPY V-NOTCH TEST. YES/NO
06.	MARKING OF PLATE : AS PER PARA-13 OF SA-20 OF ASME SEC.II PART-A;2021. YES/NO
07	INSPECTION : BY BHEL TPIA YES/NO

As per reference SQP BPL/CDE-22-3560 rev 00, supplier to submit QAP at contract 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 certificates, duly signed & stamped by Inspection Agency is required.

1302802/2023/HEP-CDE41100

P.I. REF: 141120089

BHEL BHOPAL	SPECIFIC CONFIRMATIONS REQUIRED FROM SUPPLIER	CHECK LIST No. CL/CDE/037
C A R B O N S T E E L P L A T E S		
S.No.	TECHNICAL REQUIREMENTS	CONFIRMATIONS/COMMENTS OF SUPPLIER (YES/NO)

08 **LIST CLEARLY ANY DEVIATION FROM BHEL REQUIREMENTS,
OTHERWISE IT WILL BE PRESUMED THAT THE OFFER IS
IN LINE WITH OUR REQUIREMENTS.**

Note : (1) **If original 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.**

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Sheet No. : 02 of 02



Deputy Manager
Group
BHEL BHOPAL


STANDARD QUALITY PLAN - SQP

Item : **CARBON STEEL PLATE**

QA PLAN No. : BPL/CDE-22-3560
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.	Verification of Mill Test Certificates	Chemical composition	Major	Chemical	1/Heat	SA-516 / SA 20	SA-516 Gr. 70/ SA 20	MILL TC	✓	P	V	-	Co-related mill TC to be furnished.
		Mechanical Properties (Tensile, Hardness, Heat treatment – Normalised & Vacuum treatment etc.)	Major	Mechanical	1/Heat	SA-516/ SA 20	SA-516 Gr. 70/ SA 20	MILL TC	✓	P	V	-	
2.	Non Destructive Examination	Ultrasonic Examination (for thickness above 12 mm)	Major	Recorder	100%	SA-578 Level B	SA-578 Level B	IR	✓	P	V	-	Co-related mill TC to be furnished.
3.	Destructive Test	Charpy V-notch Impact Test	Major	Mech	1/Heat	S5 of SA 516 / SA 20	S5 of SA 516 Gr 70/ SA 20	IR	✓	P	V	-	
		Bend Test	Major	Mech	1/Heat	SA 20	SA 20	IR	✓	P	V	-	

BHEL Drg No. : As mentioned in P.O.	BHEL Spec. No.: As mentioned in P.O.	Prepared by: 27.01.2023 D K Audh & BS Yadav Deputy Manager - CDE	Reviewed by: 28/01/23 Lalit Asnani SR.DGM- CDE	Approved by: 28/1/23 S P Vatsa AGM - CDE
<p>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</p>				

	1302802/2023/HEP-CDE41100 Group BHEL BHOPAL	STANDARD QUALITY PLAN - SQP Item : CARBON STEEL PLATE	QA PLAN No. : BPL/CDE-22-3560 Revision No. : 00 Date of issue : 16.01.2023 PAGE : 2 of 2
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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	
4.	Finishing	Dimensional check (Measurt. of Thickness, Length, Width & Flatness)	Critical	I + Visual	100%	SA 20	SA 20	IR	✓	P	W	-	
		Condition, Surface check, appearance	Critical	Visual	100%	SA 20	SA 20	TC / IR	✓	P	W	-	
5.	Dispatch	Packing & Marking	Critical	Visual	100%	SA 20	SA 20	IR	✓	P	-	-	

- Notes:**
- All testing shall be carried out at NABL certified laboratories accepted by BHEL/NPCIL only.
 - 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.
 - Sharp edges/burrs if any to be removed.
 - Repair of plates by welding (for any surface defects) is not permitted.
 - UT to be carried out by ISNT / ASNT NDT Level-I person under the supervision by Level-II/III person only If required.
 - Repair of plates by welding (for any surface defects) is not permitted.

BHEL Drg No. : As mentioned in P.O.	BHEL Spec. No.: As mentioned in P.O.	Prepared by:	Reviewed by:	Approved by:
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		 27.01.23 D K Audh & BS Yadav Deputy Manager - CDE	 28/01/23 Lalit Asnani SR.DGM- CDE	 28/01/23 S P Vatsa AGM - CDE

1302802/2023/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

Annexure –A to PI-141120089**SUGGESTED SUB- VENDORS for CS Plate (As per NPCIL Doc GHAVP-1,2/40000 procurement Specification – MS-1)Vol II**
Part -1, Section – C-1-30

Sr. No.	Supplier' Name	Location/ Country
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 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.