

Bid Document

Bid Details	
Bid End Date/Time	30-12-2021 15:00:00
Bid Opening Date/Time	30-12-2021 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	65 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10110009-heep, Haridwar
Total Quantity	1
Item Category	Automatic Isoperibol Oxygen Bomb Calorimeter (Q3) ()
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Bidder Turnover, Certificate (Requested in ATC), OEM Authorization Certificate, OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Time allowed for Technical Clarifications during technical evaluation	3 Days
Payment Timelines	Payments shall be made to the Seller within 75 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	State Bank of India
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ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	38

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Dy. Manager

10110009-HEEP, Haridwar, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises

(Sarvesh Kumar Prajapati)

Splitting

Bid splitting not applied.

MII Purchase Preference

MI Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

3. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Automatic Isoperibol Oxygen Bomb Calorimeter (1 set)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Installation Commissioning and Testing (ICT) details for the above item:

% of Product Cost Payable on Product Delivery	90%
Min Cost Allocation for ICT as a % of product cost	1%
Number of days allowed for ICT after site readiness communication to seller	30 Days

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Vinay Kumar Gupta	600001,CHA Godown Chennai Mr. Santosh Kumar Jena, Manager ROD Chennai/Docks, Bharat Heavy Electricals Ltd Near Marshalling Yard Chennai Port Trust Chennai - 600001 GSTIN: 33AAACB4146P4ZJ	1	90

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	Specification No. PR00394 View	Bidders to provide signed and stamped copy of enclosed "Specification No. PR00394" along with the offer as a token of acceptance.	Automatic Isoperibol Oxygen Bomb Calorimeter(1)

S.No.	Document Title	Description	Applicable i.r.o. Items
2	Pre-Qualification requirement View	Bidders to provide signed and stamped copy of enclosed "Pre-Qualification requirement (PQR)" along with the offer as a token of acceptance. Bidders to note that offers of only those bidders will be considered who qualify the PQR criteria.	Automatic Isoperibol Oxygen Bomb Calorimeter(1)
3	Instructions for Seaworthy Packing View	Bidders to provide signed and stamped copy of enclosed "Instructions for Seaworthy Packing" along with the offer as a token of acceptance.	Automatic Isoperibol Oxygen Bomb Calorimeter(1)
4	Shipping Instructions For Maitree project View	Bidders to provide signed and stamped copy of enclosed "Shipping Instructions For Maitree project" along with the offer as a token of acceptance.	Automatic Isoperibol Oxygen Bomb Calorimeter(1)
5	Bid Security Declaration View	Bidders to provide signed and stamped copy of enclosed "Bid Security Declaration" along with the offer as a token of acceptance.	Automatic Isoperibol Oxygen Bomb Calorimeter(1)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Buyer Added Bid Specific Terms and Conditions

1. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address Site Incharge, 2X660MW Maitree Super Thermal Power Project PO Kalekkharber, Union Rajnagar, Upajila Rampal Distt. Bagerhat-9343 Bangladesh Contact No. +8801678582823.

2. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

3. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- Copy of PAN Card.
- Copy of GSTIN.
- Copy of Cancelled Cheque.
- Copy of EFT Mandate duly certified by Bank.

5. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

6. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

8. **Purchase Preference (Centre)**

Indian suppliers of this item are not allowed to participate and/ or compete in procurement by some foreign governments. Bidders / products from such countries are not eligible / not allowed to participate in this bid in terms of clause 1 (d) of Public Procurement (Preference to Make in India) Order, 2017

9. **Purchase Preference (Centre)**

Purchase Preference linked with Local Content (PP-LC) Policy:

The bid clause regarding "Preference to Make In India products" stands modified in this bid and shall be governed by the PPLC Policy No. FP-20013/2/2017-FP-PNG dated 17.11.2020 issued by MoP&NG as amended up to date. Accordingly, bidders with Local Content less than or equal to 20% will be treated as "Non Local Supplier". The prescribed LC shall be applicable on the date of Bid opening. Sanctions on the bidders for false / wrong declaration or not fulfilling the Local Content requirement shall be as per the PPLC policy. Further following additional provisions are added in the certification and verification of local content provision of the Preference to Make in India clause:

- i. In case of foreign bidder, certificate from the statutory auditor or cost auditor of their own office or subsidiary in India giving the percentage of local content is also acceptable. In case office or subsidiary in India does not exist or Indian office/subsidiary is not required to appoint statutory auditor or cost auditor, certificate from practicing cost accountant or practicing chartered accountant giving the percentage of local content is also acceptable.
- ii. Along with Each Invoice: The local content certificate (issued by statutory auditor on behalf of procuring company) shall be submitted along with each invoice raised. However, the % of local content may vary with each invoice while maintaining the overall % of local content for the total work/purchase of the pro-rata local content requirement. In case, it is not satisfied cumulatively in the invoices raised up to that stage, the supplier shall indicate how the local content requirement would be met in the subsequent stages.
- iii. The bidder shall submit an undertaking from the authorized signatory of bidder having the Power of Attorney along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract.

10. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

11. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of BHEL Haridwar payable at SBI, RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTARAKHAND, 249403. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

12. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Payment online through RTGS / internet banking also (besides PBG which is allowed as per GeM GTC). On-line payment shall be in Beneficiary name BHEL Haridwar Account No. 10667995458 IFSC Code SBIN0000586 Bank Name State bank of India Branch address RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTRAKHAND, : 249403. Successful Bidder to indicate Contract number and name of Seller entity in the transaction details field at the time of on-line transfer. Bidder has to upload scanned copy / proof of the Online Payment Transfer in place of PBG within 15 days of award of contract.

13. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

14. **Generic**

Upload Manufacturer authorization: Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

15. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

16. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions.](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---

Pre-Qualification Requirements (PQR)

1. The Bidder should have a Turnover (T.O.) of minimum Rs. 6.5 Lacs/year in last 03 (Three) years (2018-19, 2019-20 & 2020-21). The self-attested copies of balance sheet and Profit and Loss account showing the turn over (T.O.) Value or any other acceptable document should be submitted as proof.
 2. The Bidder/OEM should have supplied and commissioned "Automatic Isoperibol Bomb Calorimeter" in Thermal Power Plant in last 05 years. The self-attested copy of Purchase Order placed on them by customer, proof of supply and commissioning report should be attached.
 3. In case of Agent/Reseller/Traders, offering equipment from OEM, tender specific authorization letter from the manufacturer, clearly indicating contact details like name, e-mail & address of manufacturer to be submitted.
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हस्ताक्षर एवं दिनांक SIGN & DATE		उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION		PR00394																																																																																																																										
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हस्ताक्षर एवं दिनांक SIGN & DATE				Page	1	of	2																																																																																																																							
SUPERSEDES INVENTORY NO.		<u>AUTOMATIC ISOPERIBOL BOMB CALORIMETER</u> 1.0 Description: The Instrument will be used for measuring calorific value of Oil /Coal samples. The equipment should be complete set of automatic (Isoperibol) bomb calorimeter with all essentials/ accessories for estimation of calorific value of samples used in a thermal power station. It should be microprocessor controlled and have a menu driven programmed operating system, etc. and should comply with applicable ASTM/ German Standard Test Method. 2.0 Technical Specifications: <table border="1"> <tr> <td>2.1</td> <td colspan="6">Instrument will be Automatic microprocessor controlled bomb calorimeter.</td> </tr> <tr> <td>2.2</td> <td>Measurement Range</td> <td>:</td> <td colspan="4">3500 KCal/Kg to 8,000 Kcal/Kg for single charge of 1 gm sample with extended measurement range through Benzoic acid spiking / weight management technique for a range from 1,000 KCal/Kg to 12,000 Kcal/Kg.</td> </tr> <tr> <td>2.3</td> <td>Precision</td> <td>:</td> <td colspan="4">0.1 % RSD or better</td> </tr> <tr> <td>2.4</td> <td>Resolution</td> <td>:</td> <td colspan="4">0.0001 °C</td> </tr> <tr> <td>2.5</td> <td>Analysis Mode</td> <td>:</td> <td colspan="4">Isoperibolic mode</td> </tr> <tr> <td>2.6</td> <td>Correction</td> <td>:</td> <td colspan="4">Spiking, Ash / Nitrogen or Acid, Fuse wire, Sulphur and Hydrogen</td> </tr> <tr> <td>2.7</td> <td>Oxygen bomb Of calorimeter</td> <td>:</td> <td colspan="4">The oxygen combustion bomb will be made with special stabilized stainless steel to resist the mixed Nitric acid and Sulphuric acid produced in combustion. It will withstand a hydrostatic pressure of 3000 PSI max and working pressure of 1500 PSI. (Test certificate from regulatory agency for hydrostatic pressure is required).</td> </tr> <tr> <td>2.8</td> <td>Bomb Calorimeter Software</td> <td>:</td> <td colspan="4">PC based bomb calorimeter software with easy user Interface for measurement, calculations and Data Transfer.</td> </tr> <tr> <td>2.9</td> <td>Output</td> <td>:</td> <td colspan="4">RS232/RS485/USB/Wi-Fi/Bluetooth</td> </tr> </table> 3.0 Other Requirements: <table border="1"> <tr> <td>3.1</td> <td colspan="6">Desktop Computer : Calorimeter to be provided with latest Windows based compatible computer (Minimum configuration - i5 processor, 4 GB RAM, 1 TB SSD), 19" Monitor, UPS for computer, Mouse Pad, Key Board, requisite latest software like Licensed Windows OS, MS office, Antivirus, Adobe PDF & other utility software.</td> </tr> <tr> <td>3.2</td> <td colspan="6">UPS Min 2KVA capacity or higher & minimum 30 minutes battery Back-up for calorimeter.</td> </tr> <tr> <td>3.3</td> <td colspan="6">Oxygen Cylinder with regulator.</td> </tr> <tr> <td>3.4</td> <td colspan="6">Certified calibration standard samples are also required to be included in the package. Calibration date should not be older than one month on date of supply.</td> </tr> <tr> <td>3.5</td> <td colspan="6">The equipment should come complete with all accessories / essentials required for at least three years trouble free operation along with the calibration certificate for pyrometer/thermometer and test certificate for the bomb. The package should also be accompanied by operation and maintenance manual.</td> </tr> <tr> <td>3.6</td> <td colspan="6">One-point power supply would be provided by BHEL/End User at power project site. 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स्वत्वधिकार एवं गोपनीय
 इस प्रलेख में दी गयी सूचना भारत भारी इलेक्ट्रिकल्स की सम्पत्ति है। इसका प्रयोग, जो कि कम्पनी के हित में हानिकारक हो न किया जाये।

हस्ताक्षर एवं दिनांक
SIGN & DATE

नुकद, oa glrk(kj SIGN & DATE		उत्पाद क्रय विनिर्देश		PR00394	
				पृष्ठ	2
PRODUCT PURCHASE SPECIFICATION		Page	2	of	2
SUPERSEDES INVENTORY NO.	4.0 General Terms & Conditions 4.1 Document: One hard copy of O&M Manual in English language giving complete technical information for operation and maintenance of the equipment shall be supplied. 4.2 Installation and Commissioning: The supplier shall install & commission the equipment at 2x660MW Maitree Project Site, Bangladesh. Supplier should demonstrate the performance of the Equipment and all its accessories to ensure compliance with complete specifications & parameters quoted by them to the satisfaction of BHEL/end user. Cost of I&C should be indicated separately. The equipment to be demonstrated as standalone system. Any additional items/consumables /chemicals/ accessories not covered in above scope but required for demonstration, Installation & Commissioning of equipment would be supplied by vendor as part of package. <i>Failing to comply to the Installation and Commissioning clause, the offer will be rejected straightaway.</i> 4.3 Guarantee: The equipment shall be guaranteed/warranted for satisfactory performance for a period of 24 months from the date of installation/commissioning or 36 months from date of dispatch, whichever is earlier. <i>Failing to comply to the Guarantee / Warranty clause, the offer will be rejected Straightaway.</i> 4.4 Packing & Dispatch: The equipment / accessories shall be packed in a suitable water Proof/ vibration proof packing box capable of bearing air and road transit hazards. Packing box shall be properly identified and marked with BHEL's (India) Purchase Order Number. Also, "PCRI HWR" should be written in bold letters on all four sides of the packing box. <i>Detailed Printed Catalogue must be provided with the offer submitted.</i>				
I समग्री सूची संख्या को अधिकृतित करता है					
COPYRIGHT AND CONFIDENTIAL The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used in any way detrimental to the interest of the company.					
स्वत्वाधिकार एवं गोपनीयता इस दस्तावेज में दी गई सूचना भारत भारती इलेक्ट्रिकल्स की सम्पत्ति है। इसका प्रसार एवं उपयोग इस से किसी भी तरह प्रयोग, जो कि कम्पनी के हित में इतिहासिक हो न किया जावे।					
दिना ATE					

Tender document for procurement of Automatic Isoperibol Oxygen Bomb Calorimeter for Maitree (Bangladesh) project

1	MDCC (Material dispatch clearance certificate) Clause: Please note that material shall be dispatched only after issue of Material dispatch clearance certificate (MDCC) by BHEL. For issue of MDCC, you are required to submit the set of documents (i.e. packing list, guarantee / warranty certificate, complete test reports along with hydro test for Bomb etc.) to BHEL in 10 days advance for review and release of MDCC by BHEL before dispatch of the consignment.
2	E-invoicing: Requirement related to GST ITC & E-invoicing w.e.f. 01.04.2021 as informed vide govt. guidelines is to be complied by supplier as per the following details:- i) E-invoicing under GST in being implementing w.e.f. 01.04.2021 for all the taxable persons having turnover more than Rs. 50 cr. It has been specified by the govt. that it is mandatory to mention a valid unique invoice reference no. (IRN) and QR code as generated from govt. portal on a tax invoice. Based on such information, GST ITC as claimed by BHEL in GST return shall be matched with the corresponding details uploaded by supplier in E-invoicing systems. ii) In case the vendor/contractor delays or fails to provide all the documents as per the purchase order / work order at the time of submitting tax invoice to BHEL, any subsequent financial loss to bhel on account of vendor / contractor shall be to vendor's / contractor's account. BHEL has further right to take necessary steps to protect its interest at the time of releases of payment. This further requires inclusion of IRN and QR code on tax invoice as announced by govt. of india w.e.f. 01.01.2021.
3	Seaworthy Packing: Seaworthy Packing to be done by supplier as per Packing Instructions TGE-3646 Rev. 01 (Annexure-VI) enclosed with bid. Kindly read the document carefully for quoting your offer accordingly and also submit the endorsed copy of this document as your acceptance for the conditions/instructions mentioned therein. Each Packing box shall have the following mentioned in Indelible ink “Contract No. BIFPCL/ EPC-MAIN PLANT/2016/01” Vendor to inform the Maximum No. of Boxes / Packages to dispatch the complete quantity mentioned in tender enquiry. Each package should have inscriptions and signs stenciled with an indelible ink legibly and clearly. The Sl. No. of Package shall be indicated by vendor as Sl. No. BHEL/MTR/BD/PCRI/BOI/17..... so on. Kindly note that vendor to submit Packing List for approval from BHEL.
4	Shipping Instructions: Material shall be shipped as per Shipping Instructions (Annexure-VII) enclosed with bid. Kindly read the documents carefully for quoting your offer accordingly and also submit the endorsed copy of this document of this document as your acceptance for the conditions/instructions mentioned therein.
5	General Clause: All other commercial terms and conditions will be governed by General Terms and Conditions (GTC) V1.19 11 May-21 & Additional terms and conditions (ATC) on GeM. Signed and stamped copy of this document shall be submitted as token of acceptance of GTC, ATC and “Buyer Specific ATC Document”.
6	Delivery Period: The delivery shall be 90 days from the date of placement of order on GeM. This period is inclusive of 7 days for BHEL to arrange dispatch clearance (provided MDCC related documents are complete in all respect).
7	Bid Security Declaration: Bidders to provide signed and stamped copy of enclosed “Bid Security Declaration” in lieu of Earnest Money Deposit (EMD).

Sign & Stamp of bidder.....

INSTRUCTIONS FOR SEA-WORTHY PACKING FOR BOIs

FOR

**2X660 MW MAITREE SUPER THERMAL POWER PROJECT,
BANGLADESH**

BHEL DOCUMENT NO. : TGE-3646

REV-01 DATE : 29.03.2018



**BHARAT HEAVY ELECTRICALS LTD
UNIT : HEEP, RANIPUR, HARIDWAR**

**ELECTRICAL MACHINES ENGINEERING
BHEL HARDWAR**



INSTRUCTIONS FOR SEA-WORTHY PACKING FOR BOIs
FOR 2x660MW MAITREE PROJECT

1. GENERAL

The standard covers guide lines for making Sea- worthy standard packing boxes to be used for transportation for export orders. Vendors shall be responsible for packing and shall meet the minimum requirements specified herein.

2. SCOPE

The procedure specifies minimum guidelines to be complied with for packing of Components /Assemblies/Equipments. This specification shall be suitable for different handling operations and the adverse conditions during transportation and during indoor/outdoor storage for period of minimum two years.

3. WOOD SPECIFICATION FOR PACKING

The wood used for packing shall conform to specification ISPM NO. 15. (International Standards for Phytosanitary Measures)

4. REQUIREMENTS FOR PACKING CASE

- 4.1. All equipment and materials shall be suitably coated wrapped, or covered and boxed or crated for export shipment so as to prevent damage during handling and storage at the Site. Cardboard containers (if any) shall be enclosed in a solid wooden container to avoid damage during transit.
- 4.2. Equipment and process materials shall be packed and semi knocked down, to the extent possible, to facilitate handling and storage and to protect bearings and other machine surfaces from oxidation. Each container box, crate or bundle shall be reinforced with steel strapping, in such a manner that breaking of one strap will not cause complete failure of the packaging. The packing shall be of best standard to withstand rough handling and to provide suitable protection from tropical weather while in transit and while awaiting erection at the site.
- 4.3. Waterproof paper and felt linings shall overlap at seams at least 15mm and the seams shall be secured together.
- 4.4. Equipment and materials in wooden cases or crates shall be properly cushioned to withstand the abuse of handling, transportation and storage. Packing shall include preservatives suitable for tropical conditions. All machine surfaces and bearings shall be coated with oxidation preventative compounds. All parts subject to damage when in contact with water shall be coated with suitable grease and wrapped in heavy asphalt or tar impregnated paper.
- 4.5. Fumigation of boxes including plywood/spacers shall be carried out as per ISPM 15 to make it pest free. All wood packing in each consignment shall be free from bark and all visible signs and fungal attack at the time of shipment.
- 4.6. Components sub-assemblies and assemblies sensitive to climatic conditions shall be packed seal tight. All the openings of the sensitive components, sub-assemblies and assemblies shall be blanketed to prevent the ingress of dust and moisture. The components sub-assemblies and

assemblies shall be completely covered with 2 layers of polyethylene sheet. Polyethylene sheet to be used shall be UV stabilized. All sharp corners and edges are to be protected by rubber mats to prevent damage the polyethylene sheet. Top surface of the case shall be free from dents to prevent rain water pockets.

- 4.7. All delicate electrical/ instrument components, assembled or loose, likely to be damaged e.g. Gauges, Instruments etc. are to be wrapped in waxed paper or polyethylene air bubble film along with silica gel pack/VCI powder or tablet.
- 4.8. All delicate electrical/ instrument components if sent loose shall be placed in carton, filled with small chips of Expanded Polystyrene (Thermocol), Wood Wool etc.
- 4.9. For equipment like control panels etc. suitable cushioning material like rubber sheet shall be provided on their bottom support (ref fig 1). The gap between the panel and the packing box shall be filled with Thermocol, (Non - hygroscopic material). Distance between adjacent packing of thermocol shall not be more than 500 mm (ref fig 2).

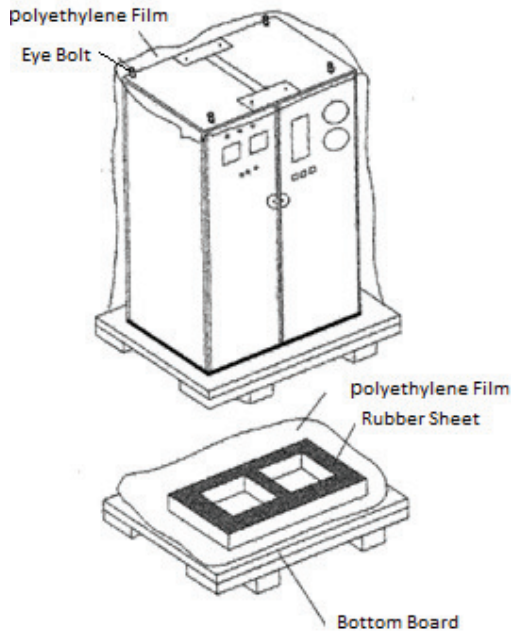


Fig-1

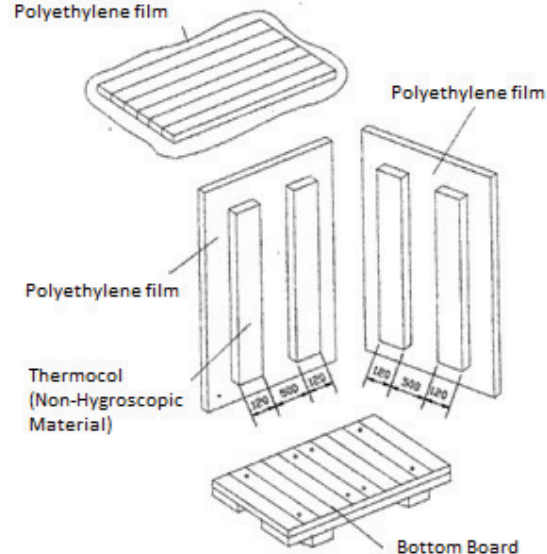
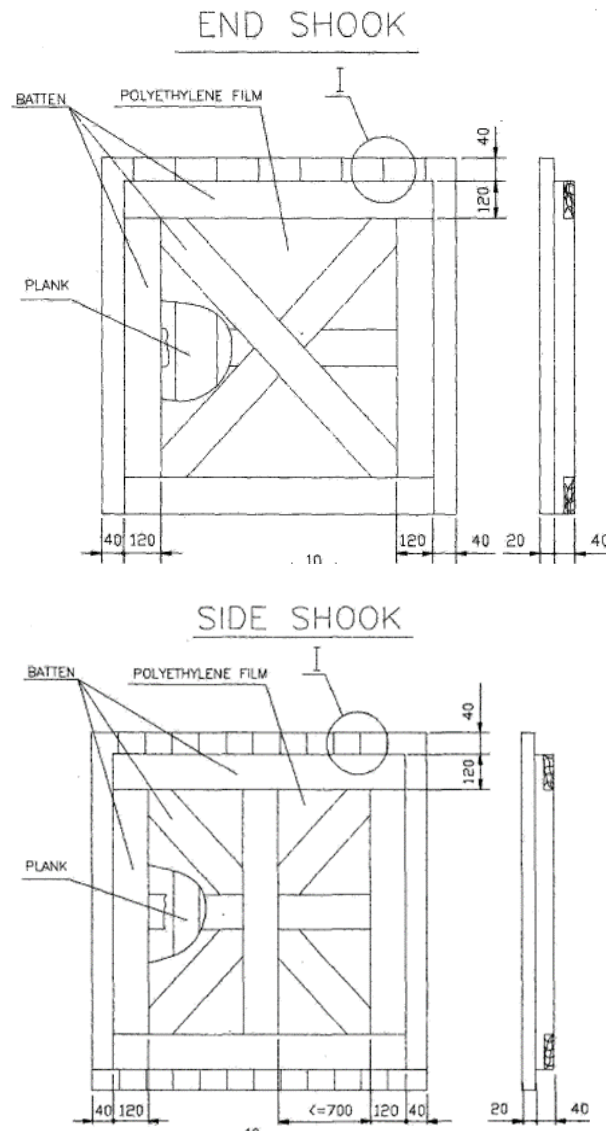


Fig-2

- 4.10. The four sides, shall be lined, from inside with multi-layered polyethylene sheet of at least 120 GSM and tacked at suitable places.

Whenever specified in addition to the polyethylene sheet the top cover will have a layer of bitumen felt over the cover. This should project about 100 - 250 mm on all sides. shall be provided between frame and planks of the end and side shook as shown in Fig. (For reference only.)



* DIMENSIONS SHOWN IN ABOVE FIGGURE ARE INDICATIVE ONLY.

It is preferable to have a single piece of the above multi-layered polyethylene sheet fixed on the four sides. In case jointing is unavoidable, it should be done by overlapping of approximately 100 mm.

Place the Components/cartons with corrosion inhibitors duly applied wherever necessary for place suitably, thin muslin cloths bags containing minimum 100 grams (approx.) of activated Blue Silica Gel as per BS 3482-1991 or equivalent with standard particle size of 3 to 6 mesh (5.6 to 2.8mm), wherever necessary. Alternatively, Tablet/ VCI Powder as per IEC 68-2-30-1980 or equivalent may be used. Approximately 7 m³ VCI paper is necessary for 1 m³ of packed item. VCI Paper shall not be used for components made of aluminum, aluminum alloys, Zinc, Copper, Brass, cadmium & silver. VCI powder is sprinkled inside the piping components ends and shall be protected with end cover.

All packages shall be covered on all sides, with suitable GI sheets preferably single length & width.

- 4.11.** Cover the whole equipment with polyethylene sheet of at least 120 GSM, on all sides preferably by a single piece.
- 4.12.** Silica gel is used for this purpose to protect the contents over sufficiently long time from corrosion. At the time of use, silica gel should be so dried that its colour becomes dark blue. These shall be filled in small cotton bags. Before sealing the equipment, the silica gel bags should be kept inside the polyethylene film cover at different locations. The quantity of silica gel should not be less than 2.0 Kg per m³ volume of the packing box.
- 4.13.** Each case shall contain a packing list showing the detailed contents of the package. When any technical documents are supplied along with the shipment of materials no single package shall contain more than one set of such documents. Shipping papers shall clearly indicate in which packages the technical documents are contained.
- 4.14.** The case number shall be written in the form of a fraction, the numerator of which is the serial number of the case and the denominator the total number of case in which a complete unit of equipment is packed.
- 4.15.** Wherever necessary besides usual Inscriptions the cases shall bear special indication such as "Top", "Do not turn over", "Care", "Keep dry", etc., as well as indication of the center of gravity (with red vertical lines) and places for attaching slings (with chain marks). For all fragile equipment, unit should take special care to pack and label with additional markings such as "FRAGILE, HANDLE WITH CARE", "LIFTING POINTS", "THIS WAY UP", "DO NOT STACK" etc. to protect them from damage in transit.

4.16. Completeness of Contents of each packing case:

Concerned CQA/Unit QC/Third Party Inspection Agency shall verify the completeness of contents of each package w.r.t. packing list both in terms of quality and quantity before authorising dispatch of the consignment.

Packing commensurate with international standards and accepted norms will be ensured by CQA/ Unit QC/Third Party Inspection Agency. Packing has to be sea-worthy and secure. As far as possible, the packing has to be rectangular in shape for optimum space utilization in the ship and economize on shipping costs. Projections on packages are prohibited.

The packing list has to be checked and certified by the Inspection agency with due signatures. All packages shall be covered on all sides, with suitable GI sheets preferably single length & width.

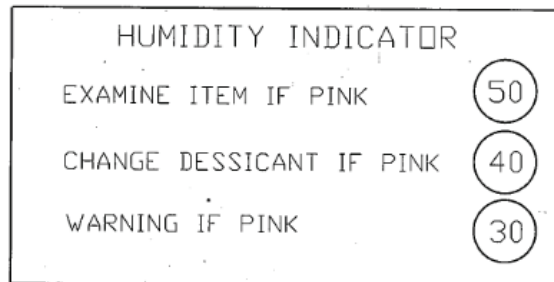
No loose items Gunny bag packing are allowed for shipment. Proper pallets and crates are to be used for packing of Oil drums and Structures.

4.17. Provision of Inspection Windows on Packages:

Vendors should provide inspection window of size 6" x 4" (glass perplex) for customs examination for all packages (above 1.5 x 1.5 x 1.5 cum) involving panels of any kind. Care would be taken to ensure that all packages are properly sealed to avoid ingress of moisture, rodents etc. Packing slip folders shall be attached in each box.

4.18. Provision of Humidity Indicator:

- i. Humidity indicator must be provided in each packing boxes. Humidity indicator shall be placed behind inspection window or as far as practicable from the nearest unit of desiccant.
- ii. Use a three-spot paper card type 1x4 inches in size to show humidity with instruction as indicated in figure below. The spots indicate relative humidity of 50 percent, 40 percent and 30 percent, top to bottom, by changing color from blue to pink.



4.19. Marking for Safe Handling:

To ensure safe handling, packing case shall be marked to show the following:

- i. Upright position.
- ii. Sling position and Centre of Gravity position.
- iii. Storage category.
- iv. Fragile components (to be marked properly with a clear warning for safe handling).

4.20. Other Marking on Packing Case

- a) Address of Consignee
- b) Purchase order No.
- c) Description of item or Title of Packing list
- d) Package number strictly as given in the Indent
- e) Net Weight
- f) Gross Weight
- g) Dimensions of the Box

4.21. Shipping Documentation including those covered by customs requirements:

- i. Packing List (O&M manual to be listed in packing list, if sent along with consignment).
- ii. Fumigation certificate for wooden boxes

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	SHIPPING INSTRUCTIONS FOR 2 x 660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH
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ANNEXURE-VII

These are Standard Shipping and packing Instructions for 2X660MW Maitree Project and should be followed for all the material which is to be dispatched for Maitree Project

Sl. No.	Detail / Description / Instruction	Action By.
1.	<u>Final Customer's Name and Address:</u> Managing Director, Bangladesh-India Friendship Power Company (Pvt.) Limited (BIFPCL), Level-17, Borak Unique Height, 117, Kazi Nazrul Islam Avenue, Eskaton Garden, Dhaka-1217, Bangladesh Contact Details: 8823941805	For Information
2.	<u>Final Destination Address:</u> Site In charge, 2x660 MW Maitree Super Thermal Power Project, PO-Kalekkharber, Union-Rajnagar, Upajila-Rampal, Dist: Bagerhat -93 4 3, Bangladesh Contact No.: +8801678582823	Suppliers to ensure proper marking of Consignee address on the boxes so as to Identify the final destination clearly.
3.	<u>Delivery Address:</u> Items shall be dispatched to the address as per Sl. No. 4.0 of this document.	All Suppliers
4.	All materials to be dispatched under intimation to: <u>For Indigenous Vendors :</u> 1. For Shipments through Chennai : Consignment shall be sent to the following address: Mr. Harsha Trivedi, Engineer/Docks Bharat Heavy Electricals Ltd Near Marshalling Yard, Chennai Port trust Chennai 600 001 Ph. No 044 25362247/25360446 -Mob 08680850932 E-mail: trivedi@bhel.in The couriers /correspondence shall be sent to the following address: Shri S S RAJAN AGM/MS, Bharat Heavy Electricals Ltd Regional Operations Division, EVR Building 6th floor No 690 (Old No 474) Anna Salai, Nandanam Chennai 600 035 Mob 09840997089 E-mail ssrajan@bhel.in	All Suppliers

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	SHIPPING INSTRUCTIONS FOR 2 x 660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH
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ANNEXURE-VII

	2. For Shipments through Kolkata / Haldia / Kolaghat: Address of Ware house shall be intimated to vendors before dispatch: The couriers /correspondence shall be sent to the following address: Mr. Abhijit Chowdhury, Sr. Engineer Bharat Heavy Electricals Ltd Regional Operations Division DJ 9/1 SECTOR II, Saltlake, Karunamoyee West Bengal 700091 Mob- 9830441607 E-mail: abhijit@bhel.in <u>For Foreign Vendors :</u> Consignment shall be sent to the following address: Dhaka Airport, Bangladesh	
5.	<u>Shipping Marks:</u> Each package / BOX / shipping unit shall be clearly marked or stenciled on at least two sides as follows: <i>"BANGLADESH-INDIA FRIENDSHIP POWER COMPANY (Pvt.) LIMITED, 2X660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH" EPC Contractor -Bharat Heavy Electricals Limited, India"</i> In addition, package / BOX / shipping unit shall have the symbol painted in red on at least two sides of the package, covering one fourth of the area of the side.	All Suppliers
6.	<u>"Bill To" Address:</u> PCRI-BOI Department Heavy Electrical Equipment Plant (HEEP) BHEL Haridwar (Uttarakhand) Pin 249403	All Suppliers
7.	<u>Note:</u> 1. <u>"Bill To"</u> address should be strictly as per Sl. No. 6 of this document. 2. <u>"Delivery"</u> address should be strictly as per Sl. No. 3 & 4 of this document. 3. <u>"Final Destination"</u> address to be properly marked on the boxes as per Sl. No. 2 of this document.	All Suppliers
8.	Packing (tare) shall be part of the Equipment cost and shall not be subject to return. The packing should ensure integrity and cohesiveness of each delivery batch of Equipment during transportation. In case of Equipment assemblies and unit's delivery the packing of glass, plastics or paper the specification of packing with the material and weight characteristics are to be indicated. Hazardous goods must be packed as per international standards/practice.	All Suppliers
9.	Crates and packing material used for shipping will become the property of Customer / BHEL	All Suppliers

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	SHIPPING INSTRUCTIONS FOR 2 x 660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH
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ANNEXURE-VII

10.	Each part of the equipment which is to be shipped as a separate piece or smaller parts packed within the same case shall be legibly marked to show the unit of which it is part, and match marked to show its relative position in the unit, to facilitate assembly in the field. Unit marks and match marks shall be made with steel stamps and with paint	All Suppliers
11.	Advance intimation to BHEL: All supplying vendors will give at least 15 days advance intimation to BHEL along with package details before actual dispatches to arrange for storage/shipping arrangements by BHEL. Information must be sent to consolidate the details and arrange for shipments in time.	All Suppliers
12.	All Indian Suppliers to ensure compliance of Integrated Tax (Rate) Notification No. 41 of 2017 Dtd. 23 rd Oct 2017.	All Suppliers
13.	Following Documents are to be submitted by Supplier: • Packing List • LR Copy / Bill of Lading / AWB marked freight pre-paid. • Fumigation certificate for wooden boxes • CE Certificate for DEEC shipping bill cases with original import license • MSDS for DGR cargo • Warranty Certificate • Manufacturer's Factory Test Certificate/Inspection Waiver Certificate • Quality and Quantity Certificate • Certificate of Origin • MDCC	All Suppliers
14.	<u>Certified Inspection Certificate Approved by Customer:</u> The certificate signed by BIFPCL inspector (if equipment tested in presence of BIFPCL representative) is to be provided to MEPG. In case the Certificate is signed by BHEL/Third Party Inspection Agency, it is to be provided by suppliers to along with the shipping / dispatch documents.	All Suppliers
15.	Following details to be mentioned in GST Invoice for Export- 1. Forex Bank Account no. for all type of Shipping Bill. 2. Authorized Dealer Code no. with Name of Bank for all type of Shipping Bill. 3. Duty Drawback Account no. with IFS code of Bank for Drawback Shipping Bill. As invoice will be used for export custom clearance details like HS code; CIF value, Freight value, Insurance value, FOB value in FC ; Shipper name ;Manufacturer name; Shipping bill type; POL; POD; DBK serial no ; Advance authorization no., EPCG License no as applicable should appear on invoice.	All Suppliers

Bid-Security Declaration

To

Deputy Manager (PCRI-BOI)
Bharat Heavy Electricals Limited
Heavy Electrical Equipment Plant
Haridwar – 249403, Uttarakhand

Reference: (1) Bid No. _____ of BHEL, Haridwar.
(2) Our Offer No. _____ dt.

I/We, irrevocably declare as under:

I/We understand that, as per Tender/bid conditions, bids must be supported by a Bid Security Declaration In lieu of Earnest Money Deposit.

I/We hereby accept that I/We may be disqualified from bidding for any contract with you for a period of Three years from the date of disqualification as may be notified by you (without prejudice to BHEL's rights to claim damages or any other legal recourse) if,

- 1) I am /We are in a breach of any of the obligations under the bid conditions,
- 2) I/We have withdrawn or unilaterally modified/amended/revised, my/our Bid during the bid validity period specified in the form of Bid or extended period, if any.
- 3) On acceptance of our bid by BHEL, I/we fails to execute the agreement or fails to commence the execution of the work in accordance with the terms and conditions and within the specified time.

Signature:

Name & designation of the authorized person signing the Bid-Securing Declaration Form:

Duly authorized to sign the bid for and on behalf of: _____ (complete name of Bidder)

Dated on _____ day of _____ month, _____ year.

(Note: In case of a Joint Venture, the Bid Security Declaration must be in the name of all partners to the Joint Venture that submits the bid).