




### **Pre-Qualification Requirements (PQR)**

1. The firm of Bidder should have in existence in past 3 years as on date of bid opening. Following documents proving the firm is active in past 3 years to be provided.  
Last 3 years "Profit & Loss account/Balance Sheet/ GST returns/Any other acceptable document certified by CA".
2. The Bidder should have supplied offered **Automatic Bomb Calorimeter** against our enquiry in last 05 years in NTPC Thermal Power Station as on date of bid opening whose guaranteed and trouble-free performance has been proven at-least for one year. Certificate for the same along with end user contact details to be provided.
3. In case of Agent/Reseller/Traders, offering equipment from OEM, Authorization letter required from the manufacturer, clearly indicating contact details like Name, E-mail & address of manufacturer

हस्ताक्षर एवं दिनांक SIGN & DATE		<b>उत्पाद क्रय विनिर्देश</b>		पृष्ठ 3	का 1	1
सामग्री सूची सखचा को अधिकृतित करता है	<b>AUTOMATIC ISOPERIBOL BOMB CALORIMETER</b>					
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	<p><b>1.0 General:</b></p> <p>The equipment should be complete set of automatic (Isoperibol) bomb calorimeter with all essentials/ accessories for estimation of calorific value of coal and oil. It should be microprocessor controlled, with touch panel keyboard for data entry and operation control, Menu driven programmed operating system, RS 232 port, etc. and should comply with ASTM D 5865</p>					
	<p><b>2.0 Specifications of Equipment:</b></p> <p>Range : 3000 – 6000 cal/ gm sample.</p> <p>Temp measurement resolution : Better than 0.0001 °C</p> <p>Analysis Mode : Isoperibolic mode</p> <p>Precision : 0.10 % RSD or better using Benzoic acid as per ASTM D-5865</p> <p>Jacket Temperature : A container with the inner perimeter should be maintained at constant temp <math>\pm 0.1</math> °C (isoperibol).</p> <p>Computer/Printer/Balance Connection: RS 232 Interface</p> <p>Room temperature : 15°C – 35°C</p> <p>Gas : Oxygen 99.9% pure (30 Kg/cm<sup>2</sup>)</p> <p>Panel display : Digital display</p> <p>Electrical power requirement : 230 <math>\pm</math>10 V AC, 50 Hz, Single phase.</p> <p>Certified calibration sample : 50 grams, benzoic acid.</p> <p>Computer &amp; Printer : Latest Windows based computer with compatible software (Minimum configuration- i5 processor, Min. 4 GB RAM, 500 GB SSD, 19" Monitor, UPS for computer, Mouse Pad, Key Board, B/W laser Printer with speed 25 PPM or better) for handling of bomb calorimeter through software</p>					
नॉक .TE	<p><b>स्वत्वाधिकार एवं गोपनीय</b></p> <p>इस प्रलेख में दी गयी सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है। इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि बरम्पनी के हित में होनाकारका हो न किया जाये।</p>					

हस्ताक्षर एवं दिनांक SIGN & DATE		<b>उत्पाद क्रय विनिर्देश</b>			पृष्ठ	3	का	2
		<b>PRODUCT PURCHASE SPECIFICATION</b>			<b>Page</b>	2	<b>of</b>	3
सामग्री सूची सखया को अधिकृतित करता है	<p><b>Calorimeter Vessel:</b> The vessel shall be of such construction that the environment of calorimeter’s entire outer boundaries can be maintained at a uniform temperature.”</p>							
<b>COPYRIGHT AND CONFIDENTIAL</b> The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	<p><b>Accessories:</b> 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.</p> <p>Any other accessories/consumables/regents/standards/chemicals not specified but required for installation, commissioning and operation of equipment would be part of package and same should be supplied by bidder against BHEL enquiry.</p>							
<b>स्वत्वाधिकार एवं गोपनीय</b> इस प्रदेख में दी गयी सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कम्पनी के हित में हानिकारक हो न किया जाये।								
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<b>COPYRIGHT AND CONFIDENTIAL</b> <small>The information on this documents is the property of Bharat Heavy Electricals Limited. It must not be used directly or indirectly, in any way detrimental to the interest of the company</small>				of	3
<b>स्वत्वाधिकार एवं गोपनीय</b> <small>इस प्रलेख में दी गयी सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है। इसका प्रयोग एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाये।</small>		<p><b>3.0 General Terms &amp; Conditions:</b></p> <p><b>3.1 Document:</b> Hard copy of O&amp;M manual in English language giving complete technical information for operation and maintenance of the equipment shall be supplied with the equipment.</p> <p><b>3.2 Installation and Commissioning:</b> The supplier shall Install &amp; Commission the equipment at required site. Supplier should demonstrate the performance of the equipment and all its accessories to ensure compliance with complete specifications &amp; parameters quoted by them to the satisfaction of BHEL / end user.</p> <p><b>3.3 Guarantee / Warranty:</b> The equipment shall be guaranteed / warranted for satisfactory performance for a period of 18 months from the date of dispatch or 12 months from the date of commissioning, whichever is later.</p> <p><b>3.4 Packing &amp; Dispatch:</b> The equipment / accessories shall be packed in a suitable water proof / vibration proof packing boxes capable of bearing air and road transit hazards.</p> <p><b>3.5 "PCRI HWR" / Name of the Item</b> should be written in bold letters on all four sides of the box. Packing box shall be properly identified and marked with BHEL's (India) Purchase Order Number.</p>			
र एवं दिना & DATE					

**Buyer Specific ATC document for items “Automatic Isoperibol Oxygen Bomb Calorimeter” of North Karanpura project site**

1.	<p><b>MDCC (Material dispatch clearance certificate) Clause:</b></p> <p>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, test reports and calibration certificates etc.) at least 15 days prior to scheduled delivery.</p> <p>BHEL will release MDCC within 07 days from the date of receipt of complete documents as detailed above.</p> <p>The delivery period of 60 days is inclusive of 07 days taken by BHEL to issue MDCC.</p>
2.	<p><b>Pre-Qualification Requirement (PQR):</b></p> <p>The Pre-Qualification Requirements (PQR) have been made part of bid. All the bidders should ensure submission of complete details and documents as called for in the same. The offers submitted by the bidders would be scrutinized with respect to Pre-Qualification Requirements first.</p> <p><b>Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements.</b></p>
3.	<p><b>Technical Specification Requirement:</b></p> <p>(A) Please quote your valuable offer as per BHEL Specification enclosed with the bid documents.</p> <p>(B) Bidders to upload point-wise compliance of BHEL Specifications along with the offer as a token of acceptance.</p>
4.	<p><b>Quality Requirements:</b></p> <ol style="list-style-type: none"><li>1. Bidder/OEM to submit quality plan in line with technical specification to demonstrate complete specification in prescribed format along with technical offer.</li><li>2. Bidder/ OEM to demonstrate technical specification parameter of offered item to BHEL / BHEL nominated third party at their manufacturer works in line with quality plan.</li></ol>
5.	<p><b>Payment Terms:</b></p> <ul style="list-style-type: none"><li>• 90% payment after receipt of material at site against submission of PBG @10% of Order value valid till entire Guarantee / Warranty period. The PBG will be in BHEL format and from one of the BHEL consortium banks. For name of BHEL consortium bank, please visit our website <a href="http://hwr.bhel.com">hwr.bhel.com</a>.</li><li>• Balance 10% payment after installation and commissioning at site.</li><li>• Payment will be released by BHEL within:<ul style="list-style-type: none"><li>- 45 days for Micro and Small enterprises</li><li>- 60 days for Medium enterprises</li><li>- 90 days for Non MSME enterprises</li></ul></li></ul>

6.	<p><b>Validity:</b></p> <p>Offer will be valid for 120 days from bid end date and extensions thereof.</p> <p><b>BHEL will reserve the right to reject any or all quotations, quoting validity less than 120 days.</b></p>
7.	<p><b>Delivery Period:</b></p> <p>The delivery shall be 60 days from the date of PO placement. This period is inclusive of 7 days for BHEL to arrange dispatch clearance (provided MDCC related documents are complete in all respect).</p>
8.	<p><b>Price Basis:</b></p> <p>Please confirm that prices have been quoted on F.O.R. North Karanpura site basis.</p>
9.	<p><b>Evaluation criteria:</b></p> <p>Evaluation will be done on the basis of Total Landed cost up to North Karanpura project site (<b>Total Value-wise evaluation</b>).</p>
10.	<p><b>Guarantee / Warranty:</b></p> <p>The equipment shall be guaranteed / warranted for satisfactory performance for a period of 18 months from the date of dispatch or 12 months from the date of commissioning, whichever is later.</p> <p><b><i>Failing to comply to the Guarantee clause, the offer will be rejected straightaway.</i></b></p>
11.	<p><b>Document:</b></p> <p>Hard copy of O&amp;M manual in English language giving complete technical information for operation and maintenance of the equipment shall be supplied with the equipment.</p>
12.	<p><b>Installation and Commissioning at site:</b></p> <p>The supplier shall Install &amp; Commission the equipment at required site. Supplier should demonstrate the performance of the equipment and all its accessories to ensure compliance with complete specifications &amp; parameters quoted by them to the satisfaction of BHEL / end user. <b><i>Cost for Installation and Commissioning should be inclusive in the quoted prices.</i></b></p> <p>Installation and Commissioning will be done at following address:</p> <p>GENERAL MANAGER NTPC NORTH KARANPURA, POST OFFICE – TANDWA DIST. – CHATRA, JHARKHAND PIN-825321 GSTIN: 20AAACN0255D2ZB</p> <p><b><i>Failing to comply to the above clause, the offer will be rejected straightaway.</i></b></p>
13.	<p><b>Packing &amp; Dispatch:</b></p> <p>The equipment / accessories shall be packed in a suitable water proof / vibration proof packing boxes capable of bearing air and road transit hazards.</p> <p><b>“PCRI HWR / Name of the Item”</b> should be written in bold letters on all four sides of the box. Packing box shall be properly identified and marked with BHEL’s (India) Purchase Order Number.</p>

14.	<p><b>Arbitration Clause:</b></p> <p>In case of any dispute arising out of as in connection with this contract, the same shall be referred to arbitration under Arbitration &amp; Conciliation Act 1996 of a sole arbitrator who shall be appointed by mutual consent of the parties. The seat &amp; venue of arbitration shall be Haridwar.</p> <p>The proceedings shall be conducted in English. The Governing law of contract shall be the substantive law of India.</p>
15.	<p><b>Conflict of Interest among Bidders/ Agents:</b></p> <p>"A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. <b>The bidder, found to have a conflict of interest shall be disqualified.</b> A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:</p> <ul style="list-style-type: none"> <li>a) they have controlling partner (s) in common; <b>or</b></li> <li>b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; <b>or</b></li> <li>c) they have the same legal representative/agent for purposes of this bid; <b>or</b></li> <li>d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; <b>or</b></li> <li>e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/Assemblies from. one bidding manufacturer in more than one bid; <b>or</b></li> <li>f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following: <ul style="list-style-type: none"> <li>1. The principal manufacturer directly or through one Indian agent on his behalf; and</li> <li>2. Indian/foreign agent on behalf of only one principal, <b>or</b></li> </ul> </li> <li>g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; <b>or</b></li> <li>h) In case of a holding company having more <b>than</b> one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business. "</li> </ul>
16.	<p><b>Breach of contract, Remedies and Termination:</b></p> <p>In case of breach of contract, performance bank guarantee available with BHEL against the said contract is atleast 10% of the contract value, the same be encashed. In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, etc. with BHEL) or legal remedies be pursued. The balance scope shall be got done independently without Risk &amp; Cost of the failed supplier/ contractor. Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.</p>

17.	<p><b>E-invoicing:</b></p> <p>E-invoicing under GST has been implemented w.e.f. 01.08.2023 for all the taxable persons having turnover more than Rs. 5.00 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 returns shall be matched with the corresponding details uploaded by supplier in E-invoicing system.</p> <p>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 release of payment. This further requires inclusion of IRN and QR code on tax invoice as announced by govt. of india w.e.f. 01.08.2023.</p>
18.	<p><b>General Clause:</b></p> <p>All other commercial terms and conditions will be governed by General Terms and Conditions (GTC) GeM GTC 4.0 v1.14_31Jan24.</p>
19.	<p><b>Acceptance of offers from country Sharing Land Border with India:</b></p> <p>I. Any bidder from a country which shares a land border with India will be eligible to bid in any procurement whether of goods, services (including consultancy services and non-consultancy services) or works (including turkey projects) only if the bidder is registered with the Competent Authority. Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, shall also require to be registered with the same competent authority.</p> <p>II. "Bidder" means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.</p> <p>III. "Bidder (or entity) from a country which shares a land border with India" for the purpose of this Order means: -</p> <ol style="list-style-type: none"> <li>a. An entity incorporated, established or registered in such a country; or</li> <li>b. A subsidiary of an entity incorporated, established or registered in such a country; or</li> <li>c. An entity substantially controlled through entities incorporated, established or registered in such a country; or</li> <li>d. An entity whose beneficial owner is situated in such a country; or</li> <li>e. An Indian (or other) agent of such an entity; or</li> <li>f. A natural person who is a citizen of such a country; or</li> <li>g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above</li> </ol> <p>IV. The beneficial owner for the purpose of (iii) above will be as under:</p> <ol style="list-style-type: none"> <li>1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.</li> </ol> <p>Explanation:</p> <ol style="list-style-type: none"> <li>a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;</li> <li>b. "Control" shall include the right to appoint majority of the directors or to control the</li> </ol>

management or policy decisions including by virtue of their shareholding or management rights or shareholders agreements or voting agreements;

2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership or entitlement to more than fifteen percent of capital or profits of the partnership;

3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals;

4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;

5. In case of a trust, the identification of beneficial owners shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

V. An Agent is a person employed to do any act for another, or to represent another in dealings with third person.

VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

VII. The registration shall be valid at the time of submission of bid and at the time of acceptance of bid.

VIII. If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution.

**Note:** Following declarations would be required from bidders (if applicable):

(A) "I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached.]"

(B) "I have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that this bidder does not have any ToT arrangement requiring registration with the competent authority.

**OR**

\* have read the clause regarding restrictions on procurement from a bidder having Transfer of Technology (ToT) arrangement. I certify that this bidder has valid registration to participate in this procurement."

## Certificate

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated 28.05.2018, we hereby certify that we M/s \_\_\_\_\_(supplier name) are local supplier meeting the requirement of minimum local content (50%) as defined in above orders for the material against Enquiry No. \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_

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

Seal and Signature of Supplier