




## **ANNEXURE-1**

### **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.
  - a. Certificate of Incorporation
  - b. Last 3 years "Profit & Loss account/Balance Sheet/ GST returns/Any other acceptable document certified by CA".
2. The bidder/OEM should have supplied & commissioned Gas Chromatograph in last 05 years. Self-attested copies of Purchase Orders, placed on them by customers and end user certificate/ commissioning report should be attached.
3. In case of Agent/Reseller/Traders, offering equipment from OEM, tender specific authorization letter from the manufacturer (OEM) in the name of bidder is required. This authorization letter shall be clearly indicating contact details like name of person, Telephone No., e-mail & address of manufacturer (OEM).

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समग्री सूची संख्या को अधिकृत करता है		PRODUCT PURCHASE SPECIFICATION			
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<p><b>COPYRIGHT AND CONFIDENTIAL</b> The information on this document 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>		<h2><u>GAS CHROMATOGRAPH</u></h2>			
<p>स्वतंत्रिकार एवं गोपनीय इस प्रलेख 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 स्वतंत्रिकारका हो न किना-कामे।</p>		<p><b><u>SPECIFICATIONS</u></b></p> <p><b>1.0 Name of Equipment:</b> Gas Chromatograph</p> <p><b>2.0 General:</b> Instrument would be used for measurement of concentration of Benzo(a)Pyrene (BaP) present in ambient air as per requirement of National Ambient Air Quality Standards. For this purpose, ambient air samples would be collected on a filter paper through respirable dust sampler. This filter paper would be analyzed for measurement of BaP. Complete Gas chromatography (GC) system would be supplied for analyzing Poly Aromatic Hydrocarbon (PAH) for Benzo(a)Pyrene (BaP) measurement through GC analysis.</p> <p><b>3.0 Specifications of Equipment:</b></p> <p><b>3.1 GC Controller:</b> Microprocessor Based Gas Chromatograph with Data Processor complete with necessary standard accessories.</p> <p><b>3.2 Column Oven</b></p> <ol style="list-style-type: none"> <li>1. Temperature Range: Ambient - 400°C</li> <li>2. Oven Capacity: 12 - 25 litres</li> </ol> <p><b>3.3 Sample Injection Unit:</b></p> <ol style="list-style-type: none"> <li>1. Unit Type: Capillary column, Split/split-less injectors</li> <li>2. Temperature Range: Up to 400°C</li> <li>3. Heating Settings: 1°C steps</li> </ol> <p><b>3.4 Flame Ionization Detector (FID) System:</b></p> <ol style="list-style-type: none"> <li>1. Temperature Range : 400°C</li> <li>2. The chromatograph shall be equipped with Column Oven, Sample Injection unit, Carrier gas flow controller and FID Detector System for capillary column.</li> <li>3. Suitable Capillary Column as per application to be provided.</li> <li>4. Standards for calibration of FID Detector System and CRS of Benzo-a-pyrene (with concentration of 1000 µg/ml in acetone) shall be supplied.</li> </ol> <p><b>3.5</b> Instrument shall be supplied with calibration standards.</p> <p><b>3.6</b> Installation Kit. Includes: Syringe 10-µl Capacity - 3 no. SS Tubing 45 ft., Nuts, Ferrules, Spanners. Silicone Rubber Septum. 15 Nos. Septum Operation Manual.</p>			

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SUPERSEDES INVENTORY NO.		<p>3.7 Microsoft Windows based Chromatography Software for offered Model of Gas Chromatograph.</p> <p>3.8 Computer and Printer:                      Latest Windows based compatible computer (Minimum configuration- intel i5 processor, 4 GB RAM, 1 TB Hard Disc), 19" Monitor, Mouse Pad, Key Board</p> <p>3.9 Voltage Stabilizer: Min 5 KVA or better as per system requirement.</p> <p>3.1 Gas Purification Panel For Gases With Tubing's And Complete Fitment (1 No.)</p> <p>3.11 Filled Nitrogen gas cylinder (99.9 % pure, 7-8 cu.m.), Hydrogen gas cylinder (99.9 %,7 cu.m.) and Zero Air cylinder along with double stage regulators with gas purification panel and colour coded pressure tubings should be supplied from reliable/standard Indian source.</p> <p>3.12 The system should be complete in all respect to install, demonstrate to carry out the sample analysis.</p> <p>3.13 Any accessories/consumables/regents/chemicals not specified but required for installation, commissioning and operation of equipment would be part of package which is offered against enquiry.</p> <p>3.14 Detailed printed Catalogue along with technical data sheet must be provided with the offer submitted along with undertaking from the Vendor to supply the genuine make equipment.</p> <p>3.15 Filter paper collected from respirable dust sampler would be provided for analysis of Benzo(a)Pyrene.                      Entire demonstration using filter paper followed by digestion for preparation of sample for analysis through Gas Chromatograph would be in vendor scope.</p>							
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स्वतंत्राधिकार एवं गोपनीय <small>इस दस्तावेज में दी गयी सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है। इसका प्रयोग एवं प्रसारण बिना इसकी भी तरह प्रयोग, जो कि कम्पनी के हित में हितकरक हो न किया जाना।</small>									
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SUPERSEDES INVENTORY NO.	<p><b>4. General Terms &amp; Conditions :</b></p> <p><b>4.1. Document:</b> One 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>4.2. Installation and Commissioning:</b> The supplier shall Install &amp; Commission the equipment at required sites. 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 style="text-align: center;"><i><b>Failing to comply to the Installation and Commissioning clause, the offer will be rejected straightaway.</b></i></p> <p><b>4.3 Guarantee / Warranty:</b> The equipment shall be guaranteed / warranted for satisfactory performance for a period of 24 months from the date of installation &amp; commissioning or 36 months from the date of dispatch, whichever is earlier.</p> <p style="text-align: center;"><i><b>Failing to comply to the Guarantee / Warranty clause, the offer will be rejected straightaway.</b></i></p> <p><b>4.4 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>4.5 "PCRI HWR"</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>							
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**Buyer Specific ATC document for “GAS CHROMATOGRAPH” of Bhusawal Project**

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 certificate, Cylinder TC &amp; CCOE Certificate for Cylinders, Complete Test / Inspection Reports including calibration pf detector, Carrier Gas Flow Controller &amp; Column Oven Temperature etc).</p> <p>BHEL will release MDCC within 07 days from the date of receipt of completed documents as detailed above.</p> <p>The delivery period of 120 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 have been made part of bid as <b>ANNEXURE-1</b>. 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>(i) Please quote your valuable offer as per BHEL Specification enclosed as <b>Annexure-II</b>.</p> <p>(ii) Bidders to upload signed and stamped copy of BHEL Specification along with the offer as token of acceptance.</p>
4.	<p><b>Evaluation criteria:</b></p> <p>Evaluation will be done on Total Landed cost up to Bhusawal project site (<b>Total Value wise</b>).</p>
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. PBG would be submitted before the negotiation of documents. 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>Delivery Period:</b></p> <p>The delivery shall be 120 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).</p>

7.	<p><b>Document:</b></p> <p>One 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>
8.	<p><b>Price Basis:</b></p> <p>Please confirm that prices have been quoted on F.O.R. Bhusawal site basis.</p>
9.	<p><b>Installation and Commissioning:</b></p> <p>The supplier shall install &amp; commission the equipment at 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>Cost of Installation and Commissioning should be indicated separately.</b></p> <p>Installation and Commissioning will be done at following address:  CHIEF ENGINEER/DY.CHIEF  ENGINEER(PROJECT), 1X660MW BHUSAWAL THERMAL POWER STATION UNIT-6,  MSPGCL, BHUSAWAL, DIST JALGAON  (MAHARASHTRA), PIN-425307  STATE : Maharashtra-27</p> <p><b><i>Failing to comply to the Installation and Commissioning clause, the offer will be rejected straightaway.</i></b></p>
10.	<p><b>Guarantee / Warranty:</b></p> <p>The equipment shall be guaranteed / warranted for satisfactory performance for a period of 36 months from the date of dispatch or 24 months from the date of installation &amp; commissioning, whichever is earlier.</p> <p><b>Failing to comply to the Guarantee / Warranty clause, the offer will be rejected straightaway.</b></p>
11.	<p><b>Packing &amp; Dispatch:</b></p> <ol style="list-style-type: none"> <li>1. The equipment / accessories shall be packed in a suitable water proof / vibration proof packing boxes capable of bearing air and road transit hazards.</li> <li>2. Packing box shall be properly identified and marked with <b>BHEL's (India) Purchase Order Number</b>. Also, "<b>PCRI HWR</b>" and <b>Name of the Item/Items</b> should be written in bold letters on all four sides of Packing box.</li> </ol>
12.	<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_v1.5_09Oct22.</p>

13. **EARNEST MONEY DEPOSITE (EMD)**

13.1 Interested vendors must submit their offer along with the following Earnest Money Deposit (EMD) in a separate sealed envelope:

Details	Amount In INR	Amount in Foreign Currency	Type
EMD	<b>INR 40,000/-</b> (INR Forty Thousand Only)	Equivalent Foreign currency	Refundable

13.2 EMD shall not carry any interest.

13.3 Modes of deposits will be as per General Terms and Conditions (GTC) GeM\_GTC\_4.0\_v1.5\_09 Oct22.

The demand draft shall be in favor of "BHEL Haridwar". E-Payment is also acceptable. For e-payment, RTGS details are as mentioned below:

Bank Details	SWIFT Details of bank	Contact Details of Banker
STATE BANK OF INDIA RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTRAKHAND, INDIA PIN CODE : 249403	SWIFT NO : SBININBB225 CC ACCOUNT NO : 10667995458 IFSC CODE : SBIN0000586	Chief Manager (IBD) Contact No. +91 1334 224201 +91 1334 226125 Fax: +91 1334 226512

13.4 MSE Suppliers / Central / State – PSUs / Government departments, who are the manufacturer of offered item as per specification are exempted from submission of the EMD.

13.5 EMD exemption will be allowed as per criteria laid down in General Terms and Conditions (GTC) GeM\_GTC\_4.0\_v1.5\_09 Oct22.

13.6 Bids not accompanied with requisite EMD or bids accompanied with EMD of inadequate value shall be liable for rejection, wherever exemption is not allowed.

13.7 The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be refunded after the finalization of the contract. EMD shall be forfeited in the event of bidder opting out after tender opening (PART-I).

<b>14.</b>	<p><b>Risk Purchase:</b></p> <p>In case of abnormal delays (beyond the maximum late delivery period as per LD clause) in supplies / defective supplies or non-fulfillment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract or under General Law.</p> <p><b>Action against Bidders / vendor / supplier / contractor in case of default:</b></p> <p>In order to protect the commercial interests of BHEL, BHEL shall take action against supplies / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business/ money/ reputation, indulge in malpractices, cheating, bribery, fraud or any other misconduct or formation of cartels so as to influence the bidding process or influence the price etc.</p> <p>Suspension of Business Dealings could be in the form of “Hold” or “Banning” a supplier/ contractor or a bidder and shall be as per “Guidelines for Suspension of Business Dealings with Suppliers/ Contractors” available at BHEL’s website “<a href="https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors">https://www.bhel.com/guidelines-suspension-business-dealings-supplierscontractors</a>”.</p>
<b>15.</b>	<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>

## 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