

**POLLUTION CONTROL RESEARCH INSTITUTE  
HEEP, BHEL, RANIPUR**

**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. Bidder should have supplied "**Laboratory Glassware**" in last 05 years as on date of bid opening. Proof of supply and end user details should be attached for the same.

## List of Glassware

Make of Glassware : BOROSIL

S.No.	DESCRIPTION	Capacity/Size	Qty. (Nos.)
1	Bottles reagent plain narrow mouth with inter changeable flat head stopper	125 mL	12
		250 mL	24
		500 mL	24
		1000 mL	24
		2000 mL	12
2	Bottles reagent amber narrow mouth with interchangeable flat head stopper	125 mL	12
		250 mL	12
		500 mL	12
		1000 mL	12
3	Bottles weighing with stopper	25 mL	6
		40 mL	6
		50 mL / 60 ml	6
		60 mL	6
4	Bottles dropping with 9.5 ml dropper	60 mL	6
		125 mL	6
5	Bottle gas washing complete with interchangeable stopper	125 mL	12
		250 mL	12
		500 mL	12
6	Bottle gas wash complete with interchangeable stopper	500 mL	6
		500 mL	6
7	Bottles, relative density, interchangeable stopper	25 mL	6
		50 mL	6
8	Bottle, Aspirator with cap & outlet for tubing	250 mL	6
9	Beaker with spout	50 mL	24
		100 mL	24
		250 mL	24
		400 mL	24
		600 mL	12
10	Burettts straight biore stop cock class A / B	25 mL	6
		10 mL	6
		50 mL	12
		100 mL	12
11	Pipettes volumetric with one bulb accuracy as per class B	10 mL	12
		20 mL	12
		25 mL	24
12	Pipettes (Mehr type) accuracy as per class B	1 mL	12
		1 mL	12
		2 mL	12
		2 mL	24
		5 mL	24
		5 mL	24
13	Funnels, filtering with long stem	75 mm dia	24
		100 mm dia	24

S.No.	DESCRIPTION	Capacity/Size	Qty. (Nos.)
14	Funnels, filtering with short stem (Powder Funnel)	150 mL	12
		200 mL	12
15	Funnels, separating with stop cock and interchangeable stopper, globe shape corning	250 mL	12
		500 mL	6
16	Buchner Funnel with sintered Disc	75 mm or 92 mm dia	3
17	Flasks, separating with stop cock and interchangeable stopper, globe shape	125 mL	12
		250 mL	24
		500 mL	24
		1000 mL	6
18	Flasks volumetric with ground glass stopper accuracy as per class B	50 mL	24
		100 mL	24
		250 mL	12
		500 mL	6
		1000 mL	6
19	Cylinder with spout, graduated in 0.5 mL	25 mL	12
	Cylinder with spout, graduated in 1 mL	50 mL	12
	Cylinder with spout, graduated in 1 mL	100 mL	12
	Cylinder with spout, graduated in 2 mL	250 mL	6
	Cylinder with spout, graduated in 5 mL	500 mL	6
	Cylinder with spout, graduated in 10 mL	1000 mL	6
20	Measuring cylinder with interchangeable stopper Class 'A' accuracy graduated in 1.0 mL	50 mL	6
		100 mL	6
21	Dishes (crystalising)	100x50 mm	6
		150x75 mm	6
		190x100 mm	6
22	Dishes, evaporating flat bottom with pour out	80x45 mm	12
23	Desiccator with knob, cover and porcelain plate	ID 250 mm	4
24	Iodine flasks with interchangeable stopper	250 mL	6
		500 mL	6
25	Tubes Nessler with graduation at 25 ml & 50 ml	100 mL	36
26	Test tube Borosil glass thick walled	50 mL/55 mL	24
		100 mL	24
27	Spatula polished & flexible with this rounded ends, length 100 mm width 15 mm		12
28	Tongs ss (stainless steel) with flattened & curved tip length 400 mm		12
29	Bottles dropping amber glass T.R. pattern with slotted ground stopper	60 mL	6
		125 mL	6
30	Bottles dropping clear glass T.R. pattern with slotted ground stopper	60 mL	6
		125 mL	6
31	Test tube holder		12
32	Tripod stand		6
33	Scoop, made of SS, length 60 mm		12
34	Dean & strak apparatus for determination of moisture in oil (round bottom flask cap 500 ml or 1000 ml, condenser & receiver 10ml/25 ml.		3
35	Glass cover circular swallow type with ground glass	100 mm	12
		150 mm	12
36	Burette clamp metallic base with supporting rod and spring type holders for two burettes		12

List of Glass Wares & Accessories			
Make of Glass Wares & Accessories : Borosil / Reputed Make			
S.No.	DESCRIPTION	Capacity/Size	Qty. (Nos.)
1	China dish.	100 mL	12
		150 mL	12
2	Porcelain mortar with pastel. The pastel fitted with wooden handle	150 mm dia	6
3	Porcelain crucibles / Quartz crucible with lid for temperature upto 1200 deg.C capacity	50 mL	12
4	Polythene reagent bottles with wide mouth	100ml / 125 mL	24
		200ml / 250 mL	24
		500 mL	24
		1000 mL	24
5	Polythene reagent bottles with narrow mouth	125 mL	24
		250 mL	24
		500 mL	24
		1000 mL	24
6	Polythene wash Bottles	1000 mL	12
7	Polythene Beakers	100 mL	12
		250 mL	12
		500 mL	12
		1000 mL	12
		2000 mL	12
8	Polythene tubing or silicon rubber tube in rolls of 30 meter, size ID/OD	3/5 mm or 4/7 mm	1 roll
		4/7 mm or 5/7 mm	1 roll
		6/8 mm or 6/9 mm	2 roll
		8/10 mm or 8/12 mm	2 roll
		10/12 mm or 10/14 mm	2 roll
9	Aspirator bottles made of polythene with plastic screw in cap,handle & stop cock	500 mL	6
10	PVC / PP tray rigid with handle size 450x300x15 mm or 380x240x115 mm		15
11	Rubber tubing (pressure) in rolls of 30 meters ID/OD	5/10 mm	1 roll
		8/15 mm.	1 roll
		10/15 mm	1 roll
12	Rubber tubing thickness 1 to 2 mm rolls of 30 mtrs OD	5 mm	1 roll
		6 mm	1 roll
		7 mm	1 roll
		8 mm	1 roll
13	Pipette stand, polythene to hold 12 pipettes, 6 on either side horizontally		12
14	Asbestos gloves		6 pairs
15	Rubber Gloves Acid / alkali proof		12 pairs
16	Agati Mortar and Pastel	8 mm dia/50 mm dia	3
17	Distillation trap with Graham condenser, interchangeable stopper for determination of moisture by distillation process.	05 mL	6
		10 mL	6
		25 mL	6
18	Glass Tubing -Tube size		
	4 mm bore		05 Kg
	5 mm bore		05 Kg
	10 mm bore		05 Kg

S.No.	DESCRIPTION	Capacity/Size	Qty. (Nos.)
19	Glass Rod - Rod size		
	3 mm dia		5 Kg
	5 mm dia		5 Kg
	10 mm dia		5 Kg
20	Porcelain tiles glazed size	6" x 6"	24
21	Porcelain disc filtering perforated	02 mm	12
22	Polythene carbuoys with washer attached lid	1.0 lt	12
		2.5 lt. or 3 lt	24
		5.0 lt.	24
		10.0 lt.	12
		20.0 lt.	12
23	Polythene buckets	10.0 lt.	12
		15.0 lt.	12
24	Bottle alkathene sequeeze with jet	500 mL	12
25	Rubber bladder	5"	24
26	Funnel holder wooden / PP, for two funnels, opening dia 50 mm approx		12
27	Bung rubber assorted size between 5 and 20 mm dia set consisting of 10 -numbers		01 Set each
28	Tongs blackened steel with flattened and curved tip length 400 mm		4
29	Glass cutter		1
30	Redwood viscosity flask	50 ml Approx	4
31	Brush round form made of camel hair in quill holder		12
32	Wire gauge made of galvanized iron, square mesh, and asbestos centre net size 150 x159 mm approx		6
33	Cork boring machines for boring holes in cork & compressed rubber corks complete with set of nickel plated steel borers of 3 to 25 mm dia 2 nos each		1
34	Sprit lamp		2
35	Tissue paper	75 mm dia	100 Roll
36	Suction Bellow		12
37	Test tube stand, wooden, polished with 6 holes and 6 pegs for holding test tubes		12
38	Stop Watch in Metal Body for 1 Hour Duration		2

**Note:**

1. All the glassware & accessories under enquiry are proposed to be procured from one source.
2. Borosil make glassware are acceptable for items given in Annexure-I.
3. Glassware & accessories of other Reputed Make are also acceptable for items given in Annexure-II subject to customer approval.
4. Complete Scope, Demonstration and handing over as per tender Specifications.

**General Terms & Conditions:**

**Documents:** Hard copy of Leaflet / Catalogue / Broucher / Manual in English language giving complete technical information about the items shall be supplied.

**Guarantee/ Warranty:** The items shall be guaranteed against manufacturing defect or incorrect item for a period of 02 years from date of dispatch.

**Packing & Dispatch:** The items / accessories shall be packed in a suitable water proof vibration 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 BHEL HWR" should be written in bold letters on all four sides of Packing box.

**Buyer Specific ATC document for “Laboratory Glassware” of 1X660 MW Panki 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. DETAILED PACKING LIST MENTIONING BATCH NO. / LOT NO. ALONGWITH DATE OF MANUFACTURING ETC).</p> <p>VENDOR TO ALSO ESTABLISH TRACEABILITY UPTO APPROVED MANUFACTURER / OEM.</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 90 days is inclusive of 07 days taken by BHEL to issue MDCC.</p>
2.	<p><b>Technical Specification Requirement:</b></p> <p>1. Please quote your valuable offer as per BHEL Specification enclosed as Annexure-I &amp; Annexure-II. Bidder have to quote for all the items appearing in Annexure-I &amp; Annexure-II.</p> <p>2. Bidders to upload signed and stamped copy of BHEL Specification along with the offer as token of acceptance.</p>
3.	<p><b>Customer Approval Make / Brand:</b></p> <p>Glassware’s of Annexure-I should be of “BOROSIL” make only.</p> <p>Bidders can offer Glassware’s &amp; accessories of Annexure-II of “Borosil” / Reputed make. Glassware /accessories of reputed make for items of annexure-II are also acceptable subject to customer approval.</p> <p><b>BHEL will open the Price Bids of bidders offering Glassware of Annexure-II of reputed make, only when these bidders are finally approved by the end customer.</b></p>
4.	<p><b>Pre-Qualification Requirement (PQR):</b></p> <p>The Pre-Qualification Requirements have been made part of bid as <b>Annexure-A</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>

5.	<p><b>Payment Terms:</b></p> <p><b>Material Portion:</b> 90% material payment after receipt of material at site within 45 days for MSEs, 60 days for Medium Enterprises and 90 days for non-MSME 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 hwr.bhel.com.</p> <p><b>Installation and commissioning portion:</b> Balance 10% payment after Demonstration and handing over of complete scope as per tender Specifications.</p>
6.	<p><b>Delivery Period:</b></p> <p>The material should be supplied within 90 days of purchase order.</p> <p>This period includes following:</p> <ul style="list-style-type: none"> <li>• 07 days for issuing dispatch clearance from the date of receipt of documents mentioned in Clause No. 1 of this document.</li> <li>• 07 days for arranging dispatch of material from the date of providing MDCC by BHEL.</li> </ul> <p>Any delay in document submission / approval / Inspection will be in respective account.</p>
7.	<p><b>Demonstration and Handing over:</b></p> <p>The supplier shall do Demonstration and handing over of complete scope as per tender Specifications.</p> <p><b><i>Cost of demonstration and handing over should be inclusive in the quoted prices.</i></b></p> <p>Demonstration and handing over will be done at following address:</p> <p>CHIEF ENGINEER (PROJECTS) 1X660 MW UPRVUNL PANKI TPS EXT., PANKI, KANPUR UP-208020</p> <p><b><i>Failing to comply to the demonstration and handing over clause, the offer will be rejected straightaway.</i></b></p>
8.	<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>

9.	<p><b>Evaluation criteria:</b></p> <p>Evaluation will be done on the basis of Total Landed cost up to Panki project <b>(Total value wise evaluation).</b></p>
10.	<p><b>Document:</b></p> <p>Hard copy of Leaflet / Catalogue / Broucher / Manual in English language giving complete technical information about the items shall be supplied.</p>
11.	<p><b>Price Basis:</b></p> <p>Please confirm that prices have been quoted on F.O.R. Panki site basis.</p>
12.	<p><b>Packing &amp; Dispatch:</b></p> <p>All the items in the enquiry will be packed separately in a suitable water proof vibration packing box capable of bearing air, water and road transit hazards. <b>“PCRI HWR”</b> should be written in bold letters on all four sides of the boxes. Packing boxes will be properly identified and marked with BHEL’s (India) Purchase Order Number.</p>
13.	<p><b>Guarantee/ Warranty:</b></p> <p>The items shall be guaranteed against manufacturing defect or incorrect item for a period of 02 years from date of dispatch.</p> <p><b>Failing to comply to the Guarantee/ Warranty clause, the offer will be rejected straightaway.</b></p>
14.	<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 v1.13_29Nov23.</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> <p>a) they have controlling partner (s) in common; <b>or</b></p> <p>b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; <b>or</b></p> <p>c) they have the same legal representative/agent for purposes of this bid; <b>or</b></p>

	<p>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></p> <p>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></p> <p>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:</p> <ol 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> </ol> <p>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></p> <p>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. "</p>
16.	<p><b>E-invoicing:</b></p> <p>E-invoicing under GST has been implemented w.e.f. 01.10.2022 for all the taxable persons having turnover more than Rs. 5 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. 01.10.2022.</p>

17.	<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>
18.	<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>
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>

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.

III. "Bidder (or entity) from a country which shares a land border with India" for the purpose of this Order means: -

- a. An entity incorporated, established or registered in such a country; or
- b. A subsidiary of an entity incorporated, established or registered in such a country; or
- c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d. An entity whose beneficial owner is situated in such a country; or
- e. An Indian (or other) agent of such an entity; or
- f. A natural person who is a citizen of such a country; or
- g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

IV. The beneficial owner for the purpose of (iii) above will be as under:

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.

Explanation:

- 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;
- b. "Control" shall include the right to appoint majority of the directors or to control the 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 of 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 of 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.

	<p>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.</p> <p>VII. The registration shall be valid at the time of submission of bid and at the time of acceptance of bid.</p> <p>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.</p> <p><b>Note:</b> Following declarations would be required from bidders (if applicable):</p> <p>(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.]"</p> <p>(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.</p> <p><b>OR</b></p> <p>* 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."</p>
20.	<p><b>Make in India:</b>  Make in India is applicable for this tender. Bidder to submit signed and stamped copy of duly filled Make in India format.</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