

Bid Document

Bid Details	
Bid End Date/Time	19-03-2022 10:00:00
Bid Opening Date/Time	19-03-2022 10:30:00
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	5
Item Category	High Volume Sampler with Spares , Respirable Dust Sampler For Manual Monitoring of Ambient Air Quality , Microprocessor Based Stack Monitoring System with Spares
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
Primary product category	Microprocessor Based Stack Monitoring System with Spares
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	Item wise evaluation

EMD Detail

Required	No
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ePBG Detail

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

(a). The EMD % will be applicable for each schedule/group selected during Bid creation.

(b). 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

MII 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. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

4. 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

Evaluation Method (Item Wise Evaluation Method)

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

Evaluation Schedules	Item/Category	Quantity
Schedule 1	High Volume Sampler With Spares	1
Schedule 2	Respirable Dust Sampler For Manual Monitoring Of Ambient Air Quality	3
Schedule 3	Microprocessor Based Stack Monitoring System With Spares	1

High Volume Sampler With Spares (1)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Vishwajeet Kumar	425307,CHIEF ENGINEER/DY.CHIEF ENGINEER(PROJECT), 1X660MW BHUSAWAL THERMAL POWER STATION UNIT-6, MSPGCL,BHUSAWAL, DIST JALGAON (MAHARASHTRA), PIN-425307 STATE : Maharashtra-27	1	90

Respirable Dust Sampler For Manual Monitoring Of Ambient Air Quality (3)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Vishwajeet Kumar	425307,CHIEF ENGINEER/DY.CHIEF ENGINEER(PROJECT), 1X660MW BHUSAWAL THERMAL POWER STATION UNIT-6, MSPGCL,BHUSAWAL, DIST JALGAON (MAHARASHTRA), PIN-425307 STATE : Maharashtra-27	3	90

Microprocessor Based Stack Monitoring System With Spares (1)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Technical Specifications

Specification Document	View File
BOQ Detail Document	View File

Advisory-Please refer attached BOQ document for detailed consignee list and delivery period.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
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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 CHIEF ENGINEER/DY.CHIEF ENGINEER(PROJECT), 1X660MW BHUSAWAL THERMAL POWER STATION UNIT-6, MSPGCL,BHUSAWAL, DIST JALGAON (MAHARASHTRA), PIN-425307 STATE : Maharashtra-27.

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:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

5. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

BHEL will open the Price Bids of only those vendors who are finally approved by the end customer.

6. **Buyer Added Bid Specific ATC**

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

7. **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.

8. **Service & Support**

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

9. **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

10. **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.

11. **Scope of Supply**

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

12. **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, UTTRAKHAND, INDIA 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.

13. **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, INDIA 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.

14. **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.

15. **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.

16. **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.

17. **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---


High Volume Sampler with Spares

1	General : Respirable Dust Sampler for Respirable Particulate Matter (Particle Size < 10 μ) with very low noise Brushless AC Blower along with Filter Holder, Cabinet, Gaseous Sampling arrangement, Size Selective Inlet (for removing particles > 10 μ) and microprocessor based automatic Electronic Timer & Time Totalizer. Dust sampler to monitor Ambient Air Quantity i.e. Suspended Particulate Matter (SPM), Sulphur dioxide, Oxides of Nitrogen, Carbon monoxide, Hydrogen Sulphide, Ozone etc. Sampler having a continuous duty blower with brushless motor, with low noise level, a light and compact model for field use.
2	Brand : POLLTECH / ENVIRO TECH / POLLMEN / ANY OTHER REPUTED MAKE
3	Specifications :
3.01	Blower Flow Rate : More than 1.8 m ³ /min free flow without resistance.
3.02	Particle Sampling : Less than 10 \pm 1 μ (for RPM) at 1.13 m ³ /min.
3.03	Filter Holder : SS 304 to accommodate filter paper of 25 x 20 cm.
3.04	Filter Media : Whatman GF/A or EPM - 2000
3.05	Delay Time : Settable upto 99 Hrs. : 59 Min. with resolution of 1 minute.
3.06	Sampling Time : Programmable upto 99 Hrs. : 59 Min. with resolution of 1 minute.
3.07	Sampling Time Totalizer : Upto 99 Hrs. : 59 Min.
3.08	Automatic Sampling Control : 24 Hrs. programmable timer to automatically shut off system at present time interval.
3.09	Display : 32 character alphanumeric LCD for time measurements.
3.1	Keys : 06 (Six)
3.11	Flow Measurement : With an exhaust orifice and a U tube manometer mounted on the inside of the instrument.
3.12	Power Requirement : 220 V, Single Phase 50 Hz AC
3.13	Main Housing : Made of sturdy Power Coated aluminum.
3.14	Brushless Blower : Very low noise maintenance free Centrifugal regenerative blower directly coupled to 0.5 HP, Single Phase Motor, mounted in the HVS Cabinet.
4	Gaseous Sampling :
4.1	Flow Rate : 0.3 to 3 LPM
4.2	Flow Control : Four way acrylic manifold with four inlet and one outlet & four Stainless Steel needle valve for flow control of each inlet.
4.3	Rotameter : 0.3 LPM to 3 LPM with a resolution of 0.1 LPM.
4.4	Sampling Train : Four 35 mL glass Impingers in a double walled cold box.
4.5	Calibration : Each Blower & Gaseous Rotameter is individually calibrated with Certified Instruments. Calibration Reports shall be provided.


5	List of Spares :	
5.1	Carbon Brush for Blower	: Fifty (50) Nos.
5.2	Midget Glass Imingers (35 mL Capacity)	: Five (05) Nos.
5.3	Whatman GF/A Filter Paper, Size 8" x 10" (each packet contains 100 filter paper).	: One (01) Packet
5.4	Glass Fuse, 3.5 Amps. (For Brush Type Blower, Slow Blow) (5 x 20 mm)	: Five (05) Nos.
5.5	Glass Fuse, 8 Amps. Slow Blow (6 x 30 mm) (For Brushless Blower)	: Five (05) Nos.
5.6	Blower	: One (01) No.
5.7	High Speed Belt (for Brushless Blower)	: Five (05) Nos.
5.8	Impeller Assembly for Brushless Blower	: One (01) No.
5.9	Blower Motor 1 Ph, 230 V AC 0.75 HP, 2860 RPM	: One (01) No.
6	It should be supplied with instruction manual (including maintenance).	
7	General Terms & Conditions :	
7.1	Document	One hard copy of O&M Manual in English language giving complete technical information for operation and maintenance of the equipment including circuit diagram shall be supplied.
7.2	Installation and Commissioning	The supplier shall install & commission the equipment at site. 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.
	<i>Failing to comply to the Installation and Commissioning clause, the offer will be rejected straightaway.</i>	
7.3	Guarantee/ Warranty	The equipments 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 commissioning, whichever is earlier.
	<i>Failing to comply to the Guarantee clause, the offer will be rejected straightaway.</i>	
7.4	Packing & Dispatch	The equipment / accessories shall be packed in a suitable water proof vibration packing box capable of bearing air and road transit hazards.
7.5	Packing box shall be properly identified and marked with BHEL's (India) Purchase Order Number. Also, "PCRI HWR" and name of the Item/Items should be written in bold letters on all four sides of Packing box.	
8	Special Instructions:	
8.1	Apart from customer specified vendor for each individual item, additional vendors offering items of "Reputed Make" are also acceptable subject to customer approval. The vendor should fulfill anyone of the following condition;	
	(a) "Vendor have supplied the item for at least one thermal power plant of 500 MW or above capacity". OR	
	(b) "Offered item has completed one year of commercial operation and the equipment supplied should have completed the contractual guarantee period". OR	
	(c) Vendor have supplied the same equipment as required against our enquiry to any power plant.	


8.2 Vendor to provide documentary evidence like PO copy, end user certificate / commissioning report etc. in support of fulfilling either of the above criteria for customer review.

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चिन्हक एवं तारीख SIGN & DATE		PRODUCT PURCHASE SPECIFICATION	PR00366
			Page 1 of 2
सुपरसेडस इन्वेंटरी नं. SUPERSEDES INVENTORY NO.	<u>Respirable Dust Sampler</u>		
सामग्री सूची संख्या की अधिकारीयता करता है	<p>1.0 General : Respirable Dust Sampler to monitor ambient air quality i.e. Suspended Particulate Matter (SPM), Sulphur dioxide, Oxides of Nitrogen, monitoring for Total Suspended Particulate Matter (less than 100 micron) and Respirable Suspended Particulate Matter (less than 10 micron) and gaseous sampling for SO₂, NO_x, CO etc.</p> <p>2.0 Equipment will be complete with following component :</p> <p>2.1 Blower: High flow rate (0.8 m³/min to 1.7 m³/min free flow) having brushless motor.</p> <p>2.2 Flow Meter: To measure flow rate (0.9 m³/min to 1.4 m³/min).</p> <p>2.3 Sampling Time : 24 hours continuous (maximum)</p> <p>2.4 Sampling Time Record: 0 to 9999.99 hrs recorded on a Time Totalizer.</p> <p>2.5 Automatic Sampling: 24 hrs. programmable Timer to automatically shut off the system at pre-set time interval</p> <p>2.6 Accessories: Orifice Flow meter, Time Totalizer, Programmable Timer, Instrument Cabinet, Filter Holder assembly, Gas Manifold with 4 impingers etc.</p> <p>2.7 Power requirement & Voltage Stabilizer: Single Phase AC Input Voltage 230±10 V, Built-in automatic voltage stabilizer to keep output voltage 230±10 V with input variation from 180 to 270V.</p> <p>2.8 Gaseous Sampling Attachment</p> <p>2.8.1 Flow Rate: 0.3 to 3 LPM, ±2% accuracy on span.</p> <p>2.8.2 Flow Control: Four Inlet and one out let with built in needle valves for flow Control.</p> <p>2.8.3 Flow Meter: To measure flow rate (0.3 to 3 LPM, ±2% accuracy on span) in gaseous sampling train.</p> <p>2.8.4 Sampling Train: 4 Nos. of 35 mL Borosilicate midget glass impingers.</p> <p>2.9 Ambient Condition : Equipment shall be suitable for operation in ambient temperature from 0 to 50 degree Celsius and relative humidity of 0 to 98%</p> <p>3.0 Quality Assurance: The blower should be calibrated against a standard orifice/meter or a U tube manometer. The graph in case of the U-tube manometer should be fixed on the sampler. The Calibration and Test certificate of the High Volume Sampler and calibration certificate from the manufacturer of the rotameter / flow meter should be supplied along with the equipment.</p>		
कॉपीराइट एंड कॉन्फिडेंशियल 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			
स्वाधिकार एवं गोपनीय प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इसका प्रलेख एवं इस से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए ।			



चिह्नक एवं दिनांक SIGN & DATE		PRODUCT PURCHASE SPECIFICATION	PR00366		
सामग्री सूची संख्या को अधिकृतित करना है	4.0 General Terms & Conditions :				
COPYRIGHT AND CONFIDENTIAL <small>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</small>	<p>4.1 Document: 2 hard copies of O&M manual in English language giving complete technical information for operation and maintenance of the equipment including circuit diagram shall be supplied.</p> <p>4.2 Installation and Commissioning: The supplier shall install & commission the equipment at site. 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.</p> <p><i>Failing to comply to the Installation and Commissioning clause, the offer will be rejected straightaway.</i></p> <p>4.3 Guarantee/ Warranty: The equipment shall be guaranteed for a period of 36 months from the date of dispatch or 24 months from the date of commissioning, whichever is earlier.</p> <p>4.4 Packing & Dispatch: 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>4.5 Packing box / Name of the equipment shall be properly identified and marked with BHEL's Purchase Order Number.</p> <p>4.6 Special Instructions:</p> <p>4.6.1) Apart from customer specified vendor for each individual item, additional vendors offering items of “Reputed Make” are also acceptable subject to customer approval. The vendor should fulfill anyone of the following condition;</p> <ol style="list-style-type: none"> a. “Vendor have supplied the item for at least one thermal power plant of 500 MW or above capacity”. OR b. “Offered item has completed one year of commercial operation and the equipment supplied should have completed the contractual guarantee period”. OR c. Vendor have supplied the same equipment as required against our enquiry to any power plant. <p>4.6.2) Vendor to provide documentary evidence like PO copy, end user certificate / commissioning report etc. in support of fulfilling either of the above criteria for customer review.</p>				
स्वत्वाधिकार एवं गोपनीय <small>इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इसका प्रयोग एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए ।</small>					
प्रस्तावकर्ता एवं चिह्नक SIGN &					

दिनांक एवं तिथि SIGN & DATE		उत्पाद क्रय विनिर्देश	Annexure-3			
SUPPERSEDES INVENTORY NO.	PRODUCT PURCHASE SPECIFICATION		पृष्ठ Page	3 1	का of	1 3
COPYRIGHT AND CONFIDENTIAL 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>1.0 Name of Equipment: Fully Automatic Microprocessor based Stack Monitoring System</p> <p>2.0 General: Fully Automatic Microprocessor based Stack Monitoring System, for true automatic iso-kinetic sampling with large digital display of all parameters, their recording in zero power RAM & facility of printout of results on a printer complete with all standard accessories including flow controlled pump module.</p> <p>3.0 Specification :</p> <p>(a) Stack Velocity Range : 0 to 50 m/sec.</p> <p>(b) Particulate Sampling : At 10 to 100 LPM</p> <p>(c) Stack Temperature Range : 0 to 600 °C</p> <p>(d) Gaseous Sampling : At 1 - LPM (approx.)</p> <p>3.01 Control Module : Housed in a lightweight ABS briefcase, the module contains all microprocessor electronic, analogues processing electronics with three pressure sensors and temperature sensors for orifice assembly.</p> <p>(a) Display : 32 characters large Alphanumeric LCD Module for clear messages.</p> <p>(b) Keys : Ten (PARAMETER, PROGRAM/RUN, RESULT – START/, STOP/, & ENTER)</p> <p>(c) Power : 6 V Battery.</p> <p>(d) Printer O/P : Centronic Parallels output for printer.</p> <p>3.02 Standard Accessories</p> <p>(a) Pitot Tube : Modified S-type pitot tube of SS 304. Standard Length = 3 Meter Approx..</p> <p>(b) Sampling Probe : Fabricated from SS 304 tube (ID >15 mm). Standard Length = 3 Meter approx.</p>					
स्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए ।						
दिनांक & DATE						

उत्पाद क्रय विनिर्देश




दस्तावेज एवं तिथि SIGN & DATE	SUPERSEDES INVENTORY NO.	उत्पाद क्रय विनिर्देश	पृष्ठ	3	का	2
			Page	2	of	3

दस्तावेज एवं तिथि SIGN & DATE	SUPERSEDES INVENTORY NO.	<p>(c) Nozzles : A set of 3 SS Nozzles (¼", 3/8 & ½" bore) with sharp & tapered outer leading edge.</p> <p>(d) Stack Thermocouple : K type in SS housing (8-mm. dia.). Standard Length = 1 Meter.</p> <p>(e) Thimble Holder : Tapered design made from SS 304/316 for Cellulose & G/F Thimbles.</p> <p>(f) Inter Connections : Three braided hoses of ½" BSP & Two braided hoses of ¼" BSP each of 2 meter length. (Other lengths optional).</p> <p>(g) Impingers & Cold Box : Four 120-mL capacity & Two 250-mL Impingers in a separate double walled Cold Box. (Arrangement for keeping ice).</p> <p>(h) Pump Module : A Mono Block Pump of 100 lpm capacity with a proportioning valve for flow control. (Signal from control module).</p> <p>(i) Condenser Unit : An all metal thermally insulated condenser with solid state temperature sensor.</p> <p>(j) Battery Charger : External with electronic circuit for automatic change over from Normal to Trickle Charging.</p> <p>(k) Tools Kit : Essential tools required for operation.</p>																	
			<p>3.03 Detailed printed Catalogue must be provided with the offer submitted.</p> <p>4.0 Spares for Stack Monitoring System :</p> <table border="1"> <thead> <tr> <th>S.N.</th> <th>Item Name</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>4.01</td> <td>Whatman Cellulose Thimbles, (for gas temp. upto 160 °C) Size : 28 mm x 100 mm (25 thimbles/packet)</td> <td>02 Packets</td> </tr> <tr> <td>4.02</td> <td>Whatman Glass Fibre Thimbles, (for gas temp. upto 500 °C) Size : 19 mm x 90 mm (25 thimbles/packet)</td> <td>01 Packet</td> </tr> <tr> <td>4.03</td> <td>Glass Impinger (Capacity 120 mL)</td> <td>03 Nos.</td> </tr> <tr> <td>4.04</td> <td>Glass Impinger (Capacity 250 mL)</td> <td>02 Nos.</td> </tr> <tr> <td>4.05</td> <td>Red Oil for Inclined Manometer (Capacity 250 mL)</td> <td>01 Vial</td> </tr> </tbody> </table>		S.N.	Item Name	Quantity	4.01	Whatman Cellulose Thimbles, (for gas temp. upto 160 °C) Size : 28 mm x 100 mm (25 thimbles/packet)	02 Packets	4.02	Whatman Glass Fibre Thimbles, (for gas temp. upto 500 °C) Size : 19 mm x 90 mm (25 thimbles/packet)	01 Packet	4.03	Glass Impinger (Capacity 120 mL)	03 Nos.	4.04	Glass Impinger (Capacity 250 mL)	02 Nos.
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स्वाधिकार एवं गोपनीय
इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इसका प्रयोग एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में अधिकारक हो न किया जाए ।

चिह्नक एवं तिथि SIGN & DATE		<h2 style="margin: 0;">उत्पाद क्रय विनिर्देश</h2>	पृष्ठ	3	का	3
		PRODUCT PURCHASE SPECIFICATION	Page	3	of	3
SUPERSEDES INVENTORY NO.	<p>5.0 General Terms & Conditions :</p> <p>5.1 Document: One hard copy of O&M Manual in English language giving complete technical information for operation and maintenance of the equipment including circuit diagram shall be supplied.</p> <p>5.2 Installation and Commissioning: The supplier shall install & commission the equipment at site. 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.</p> <p><i>Failing to comply to the Installation and Commissioning clause, the offer will be rejected straightaway.</i></p> <p>5.3 Guarantee/ Warranty: The equipments 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 commissioning, whichever is earlier.</p> <p><i>Failing to comply to the Guarantee clause, the offer will be rejected straightaway.</i></p> <p>5.4 Packing & Dispatch: The equipment / accessories shall be packed in a suitable water proof vibration packing box capable of bearing air and road transit hazards.</p> <p>5.5 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 Packing box.</p> <p>5.6 Special Instructions:</p> <p>5.6.1) Apart from customer specified vendor for each individual item, additional vendors offering items of “Reputed Make” are also acceptable subject to customer approval. The vendor should fulfill anyone of the following condition;</p> <p style="margin-left: 20px;">a. “Vendor have supplied the item for at least one thermal power plant of 500 MW or above capacity”. OR</p> <p style="margin-left: 20px;">b. “Offered item has completed one year of commercial operation and the equipment supplied should have completed the contractual guarantee period”. OR</p> <p style="margin-left: 20px;">c. Vendor have supplied the same equipment as required against our enquiry to any power plant.</p> <p>5.6.2) Vendor to provide documentary evidence like PO copy, end user certificate /commissioning report etc. in support of fulfilling either of the above criteria for customer review.</p>					
COPYRIGHT AND CONFIDENTIAL 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						
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चिह्नक एवं तिथि N & DATE						

**PRE-QUALIFICATION REQUIREMENT
ANNEXURE-4**

1. The Bidder should have a Annual Turnover (T.O.) of minimum Rs. 2.30 Lac/year (Rs. Two Lacs Thirty Thousands per year) in last 03 (Three) years i.e (2018-19, 2019-20 & 2020-21). The self-attested copies of supporting document should be submitted as proof.
2. The vendor should have supplied Dust Sampler / Stack Kit in last 03 years from the Bid Opening date. The self attested copies of Purchase Orders, placed on them & proof of supply should be attached.
3. In case of Agent/Reseller/Traders, offering equipment from OEM, Tender specific authorization letter required from the manufacturer, clearly indicating contact details like Name, E-mail & address of manufacturer.
4. Detailed printed Catalogue/Technical Data Sheet must be provided along with the offer submitted.

Buyer Specific ATC document for High Volume Sampler, Respirable Dust Sampler and Stack Monitoring System of Bhusawal Project

1.	<p>MDCC (Material dispatch clearance certificate) Clause:</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, Calibration Certificate and Complete Test Reports).</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 90 days is inclusive of 07 days taken by BHEL to issue MDCC.</p>												
2.	<p>Customer Approval Make / Brand:</p> <p>Bidders to note that item of following customer specific make / brand are required:</p> <table border="1" data-bbox="305 632 1515 982"><thead><tr><th>Sl. No.</th><th>Item Description</th><th>Make</th></tr></thead><tbody><tr><td>1</td><td>High Volume Sampler with Spares (1 No.)</td><td>POLLTECH / ENVIRO TECH / POLLMEN</td></tr><tr><td>2</td><td>Respirable Dust sampler for Manual Monitoring of Ambient Air Quality (3 Nos.)</td><td>POLLTECH / ENVIRO TECH / POLLMEN</td></tr><tr><td>3</td><td>Microprocessor Based Stack Monitoring System with Spares (1 No.)</td><td>POLLTECH / ENVIROTECH / ACEGAS</td></tr></tbody></table> <p>Note: Any additional "REPUTED MAKE" item is also acceptable subject to customer approval as mentioned in the technical specification of respective item. The bidder should fulfill anyone of the following condition:</p> <p>(a) Bidder should have supplied the item for at least one Thermal Power Plant of 500 MW or above capacity OR</p> <p>(b) Offered item has completed one year of commercial operation and the equipment supplied should have completed the contractual guarantee period OR</p> <p>(c) Bidder should have supplied the same equipment as required against BHEL enquiry to any power plant.</p> <p>Bidder to provide documentary evidence like PO copy, end user certificate / commissioning report etc. in support of fulfilling either of the above criteria for customer review and approval.</p> <p>BHEL will open the Price Bids of only those bidders who are finally approved by the end customer.</p>	Sl. No.	Item Description	Make	1	High Volume Sampler with Spares (1 No.)	POLLTECH / ENVIRO TECH / POLLMEN	2	Respirable Dust sampler for Manual Monitoring of Ambient Air Quality (3 Nos.)	POLLTECH / ENVIRO TECH / POLLMEN	3	Microprocessor Based Stack Monitoring System with Spares (1 No.)	POLLTECH / ENVIROTECH / ACEGAS
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3	Microprocessor Based Stack Monitoring System with Spares (1 No.)	POLLTECH / ENVIROTECH / ACEGAS											
3.	<p>Pre-Qualification Requirement (PQR):</p> <p>The Pre-Qualification Requirements have been made part of bid as ANNEXURE-4. 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>Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements.</p>												
4.	<p>Evaluation criteria:</p> <p>Evaluation will be done on Total Landed cost up to Bhusawal project site (item-wise).</p>												

5.	<p>Payment Terms:</p> <p>Material Portion: 90% payment after receipt of material at site within 75 days 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>Installation and Commissioning Portion: Balance 10% payment against receipt of work completion certificate / successful commissioning certificate, signed by BHEL representative at site.</p>
6.	<p>Delivery Period:</p> <p>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).</p>
7.	<p>Document:</p> <p>Two hard copies of O&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>Price Basis:</p> <p>Please confirm that prices have been quoted on F.O.R. Bhusawal site basis.</p>
9.	<p>Installation and Commissioning:</p> <p>The supplier shall install & commission the equipment at site. 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.</p> <p>Cost of Installation and Commissioning should be included in the quoted prices.</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>
10.	<p>Guarantee / Warranty:</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 & commissioning, whichever is earlier.</p> <p>Failing to comply to the Guarantee / Warranty clause, the offer will be rejected straightaway.</p>
11.	<p>Packing & Dispatch:</p> <ol style="list-style-type: none"> The equipment / accessories shall be packed in a suitable water proof / vibration proof packing boxes 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" and Name of the Item/Items should be written in bold letters on all four sides of Packing box.
12.	<p>General Clause:</p> <p>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.</p> <p>Signed and stamped copy of this document shall be submitted as token of acceptance of GTC, ATC and "Buyer Specific ATC Document".</p>

13. **Technical Specification Requirement:**

1. Please quote your valuable offer as per BHEL Specifications enclosed as **Annexure-1** (High Volume Sampler with Spares), **Annexure-2** (Respirable Dust sampler for Manual Monitoring of Ambient Air Quality) and **Annexure-3** (Microprocessor Based Stack Monitoring System with Spares).

2. Bidders to upload signed and stamped copies of BHEL Specifications along with the offer as token of acceptance.