



Bid Number: GEM/2022/B/2647965

Dated: 18-10-2022

**Bid Document**

<b>Bid Details</b>	
<b>Bid End Date/Time</b>	08-11-2022 16:00:00
<b>Bid Opening Date/Time</b>	08-11-2022 16:30:00
<b>Bid Offer Validity (From End Date)</b>	120 (Days)
<b>Ministry/State Name</b>	Ministry Of Heavy Industries And Public Enterprises
<b>Department Name</b>	Department Of Heavy Industry
<b>Organisation Name</b>	Bharat Heavy Electricals Limited (bhel)
<b>Office Name</b>	10110009-heap, Haridwar
<b>Total Quantity</b>	1
<b>Item Category</b>	CHEMICAL LABORATORY EQUIPMENTS (Q3)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Document required from seller</b>	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
<b>Bid to RA enabled</b>	Yes
<b>RA Qualification Rule</b>	H1-Highest Priced Bid Elimination
<b>Time allowed for Technical Clarifications during technical evaluation</b>	3 Days
<b>Payment Timelines</b>	Payments shall be made to the Seller within <b>90</b> 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)
<b>Evaluation Method</b>	Total value wise evaluation

**EMD Detail**

Advisory Bank	State Bank of India
EMD Percentage(%)	0.80
EMD Amount	200000

**ePBG Detail**

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	26

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

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

**Beneficiary:**

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

**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. 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

### CHEMICAL LABORATORY EQUIPMENTS ( 1 set )

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)**

Brand Type	Unbranded
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#### Technical Specifications

Buyer Specification Document	<a href="#">Download</a>
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#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Kavila Mohan Prabhakar	508207,ASST DIVISION. ENGINEER-STORES CONST.DIVI,5X800MW YADADRI TPS VEERLAPALEM VIL.DAMERACHERLA MANDAL,DIST-NALGONDA- 508207 STATE : Telangana-36	1	90

#### Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	Pre-Qualification Requirements (PQR) <a href="#">View</a>	Bidders to provide signed and stamped copy of enclosed Pre-Qualification Requirements (PQR) as a token of acceptance. Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements	CHEMICAL LABORATORY EQUIPMENTS(1)
2	Integrity Pact <a href="#">View</a>	Bidders to provide signed copy of enclosed Integrity Pact as a token of acceptance.	CHEMICAL LABORATORY EQUIPMENTS(1)

S.No.	Document Title	Description	Applicable i.r.o. Items
3	Make In India (MII) Declaration <a href="#">View</a>	Bidders to provide tender specific MII declaration as per enclosed format mentioning the percentage (%) of local content.	CHEMICAL LABORATORY EQUIPMENTS(1)
4	ATC Document <a href="#">View</a>	Bidders to provide signed and stamped copy of enclosed ATC document as a token of acceptance.	CHEMICAL LABORATORY EQUIPMENTS(1)
5	Technical Specification <a href="#">View</a>	Bidders to provide signed and stamped copy of enclosed specification as a token of acceptance.	CHEMICAL LABORATORY EQUIPMENTS(1)

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

## Buyer Added Bid Specific Terms and Conditions

### 1. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 15 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 15 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

### 2. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address ASST DIVISION. ENGINEER-STORES CONST. DIVI, 5 X 800MW YADADRI TPS VEERLAPALEM VIL. DAMERACHERLA MANDAL DIST-NALGONDA PIN-508207.

### 3. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of BHEL Haridwar payable at SBI RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTARAKHAND, PIN CODE : 249403.

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

### 4. Forms of EMD and PBG

Bidders can also submit the EMD with Banker's Cheque in favour of BHEL HARIDWAR payable at SBI RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTARAKHAND, PIN CODE : 249403.

Bidder has to upload scanned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

### 5. Forms of EMD and PBG

Bidders can also submit the EMD with Payment online through RTGS / internet banking in Beneficiary name BHEL Haridwar Account No. 10667995458 IFSC Code SBIN0000586 Bank Name STATE BANK OF INDIA Branch address SBI RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR,

UTTRAKHAND, PIN CODE : 249403.

Bidder to indicate bid number and name of bidding 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 along with bid.

**6. 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.

**7. 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 %.

**8. Generic**

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)

**9. 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.

**10. Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. At present, you are not a customer approved bidder. BHEL will open the price bid of only those bidders who are finally approved by end customer.

**2. Payment Terms:**

85% 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 [hwr.bhel.com](http://hwr.bhel.com).

Balance 15% payment after installation and commissioning at site.

Payment will be released by BHEL within:

- 45 days for Micro and Small enterprises

- 60 days for Medium enterprises
- 90 days for Non MSME enterprises

### 3. Guarantee / Warranty:

The equipment shall be guaranteed / warranted for satisfactory performance for a period of 24 months from the date of dispatch or 18 months from the date of installation & commissioning, whichever is later.

### 4. Scope of supply shall be 2 No. of Qty. for each item. 1 No. Qty. for Stage-I and 1 No. Qty. for Stage-II.

#### 11. Buyer Added Bid Specific ATC

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

#### 12. 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.

#### 13. Service & Support

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

#### 14. 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

#### 15. Inspection

**Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER):** Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.

When there is requirement of submission the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

#### 16. Scope of Supply

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

**17. 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, PIN CODE : 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.

**18. 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, PIN CODE : 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.

**19. 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.

**20. 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.

**21. 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.

**22. 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 specifications 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. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[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---**

**CHEMICAL LAB EQUIPMENTS FOR 5X800 MW YADADRI PROJECT****TECHNICAL SPECIFICATIONS**

<b>S/N</b>	<b>Item Description</b>	<b>Qty (No) Stage-I</b>	<b>Qty (No) Stage-II</b>	<b>Specification</b>
<b>1</b>	Dissolved oxygen meter (ppb level)	1	1	<b>Annexure -1</b>
<b>2</b>	Dissolved oxygen meter (ppm level)	1	1	<b>Annexure -2</b>
<b>3</b>	UV-VIS Spectrophotometer	1	1	<b>Annexure -3</b>
<b>4</b>	Ion Chromatography	1	1	<b>Annexure -4</b>
<b>5</b>	Gas Chromatograph	1	1	<b>Annexure -5</b>
<b>6</b>	Portable water quality analyzer	1	1	<b>Annexure -6</b>
<b>7</b>	Oil content analyzer	1	1	<b>Annexure -7</b>
<b>8</b>	Atomic absorption spectrophotometer	1	1	<b>Annexure -8</b>

**Note:**

Maximum noise level from any equipment shall be limited to 85 dBA at 1 m distance under any operating conditions.

**Note:**

**Scope of supply shall be 2 No. of Qty. for each item listed above.**

**1 No. Qty. for Stage-I and 1 No. Qty. for Stage-II.**

# CHEMICAL LAB EQUIPMENTS FOR 5X800 MW YADADRI PROJECT

## TECHNICAL SPECIFICATIONS

Annexure - 1

### 1.0 Dissolved Oxygen Meter (ppb level)

System shall be used for analysis of Dissolved Oxygen in ppb levels for Boiler/DM/Condensate water.

#### Specifications of Equipment:

Dissolved Oxygen Meter should be microprocessor-based, with the following specification :

1. Range : 1 ppb to 20 ppm
2. Accuracy :  $\pm 1.5\%$  of reading or  $\pm 0.2$  ppb
3. Temperature range : 0.0 to 50.0 0C
4. Probe : Dissolved Oxygen Probe with Cable
5. Power Requirement : Mains operated (220 Volts AC  $\pm 10\%$ , 50 Hz  $\pm 3\%$ , single phase supply) and Battery operated.
6. Standard Accessories :
  1. Dissolved Oxygen probe
  2. Flow through cell
  3. Rechargeable Battery with adptor
  4. Support stand
  5. Instruction manual.
  6. Other required accessories / standards.

Annexure - 2

### 2.0 Dissolved Oxygen Meter (ppm level)

Dissolved Oxygen Meter should be with the following specification :

1. Dissolved oxygen meter with barometric pressure/automatic temperature compensation, salinity correction, point calibration, with digital LCD display. Battery cum mains operated.
2. Range: 0-20 mg/L with high sensitivity membrane.
3. Accuracy:  $\pm 0.5\%$  of the value, Operating temp.: -5 to 50 <sup>0</sup>C, Protection waterproof.
4. Essential/Standard Accessories including DO Electrode, Output Cable, other required accessories/ standards & Instruction Manual.

Annexure - 3

### 3.0 UV-VIS Spectrophotometer

**1.0 General:** Preprogrammed UV Visible Spectrophotometer with a unique combination for fast, accurate and precise measurements of Water Quality parameters and Spectral Analysis with the following specifications:

#### 2.0 Specifications of Equipment:

1. Wavelength Range: : 190 - 1100 nm
2. Monochromator type : Grating monochromator with step motor
3. Spectral Bandwidth : 4nm
4. Wavelength Reproducibility :  $\pm 0.5$  nm (shall be checkable, with holmium Oxide filter)
5. Lamp type : Xenon Flash lamp with approx. 10 years Lamp life.

## CHEMICAL LAB EQUIPMENTS FOR 5X800 MW YADADRI PROJECT

### TECHNICAL SPECIFICATIONS

6. Photometric measuring range :  $\pm 3.3$  A Photometric resolution:  $\Delta A = 0.001$
7. Photometric linearity :  $< 1\%$  for  $A < 2.000$  in the range 340 to 900nm
8. Photometric Accuracy (in the range 200 to 1000nm) : 0.003 A for  $A < 0.600$  0.5% of the reading for  $0.600 < A < 2.000$
9. Photometric Reproducibility (in the range 200 to 1000nm) :  $\pm 0.002$  at  $A = 1.000$  Scattered Light:  $< 0.1\%$  transmission at 340 and 408 nm.
10. In built Cell adoptability : Automatic cell reorganization facility.
11. Password protection for user management.
12. Methods and profiles Over 100 water analysis methods, 100 user defined methods, 20 Profiles each for kinetics and spectra.
13. Measuring modes : concentration, Absorbance, % transmission, Multi - wavelength Storage for 1000 values for spectra and kinetics approx. 4 MB, e.g.100 spectra (300-900 nm) and 400 kinetics with 150 values Updates via Internet and USB-Stick
14. Interfaces : 1 USB-A, 1 USB-B, 1 RS232 for Data transfer to PC and Printer and Data transfer from PC.
15. Analytical Quality Assurance : AQA support of standard parameters.
16. Ambient Condition : Equipment shall be suitable for operation ambient temperature from 0-50°C and relative humidity of 0-98%.
17. Spectrophotometer shall be supplied with 10, 20, 50 mm glass cells and pour through cell along with **reagents** for silica, Iron, copper, phosphate for 1000 test for each parameter.

Any other accessories/ standards / consumables not mentioned but required for I&C, demonstration & operation of the system will be part of scope of supply.

Annexure - 4

#### 4.0 Ion Chromatography

Ion Chromatography System to analyse various Anions like Cl<sup>-</sup>, F<sup>-</sup>, Br<sup>-</sup>, BrO<sub>3</sub><sup>-</sup>, NO<sub>2</sub><sup>-</sup>, NO<sub>3</sub><sup>-</sup>, PO<sub>4</sub><sup>-3</sup>, SO<sub>4</sub><sup>-3</sup>, ClO<sub>4</sub><sup>-</sup>, ClO<sub>3</sub><sup>-</sup> etc. Organic acids, Cations like Na<sup>+</sup>, K<sup>+</sup>, Li<sup>+</sup>, NH<sub>4</sub><sup>+</sup>, Ca<sup>+</sup>, Mg, and amines etc.

##### 1) Solvent Delivery Pump:

Non metallic PEEK based 0-14 pH & 100% Reverse phase HPLC solvent compatible, isocratic, dual piston reciprocating microprocessor based controlled for flow range of 5ml/min in 0.01 increment with pressure pulsation:  $< 1\%$  & flow precision:  $< 0.2\%$ , operating pressure: 0-4500 psi or more. Fully controlled by Chromatography software.

2) System will consist of column heater or shall have heater field up-gradation capability in future. The column heater will operate over the range of 30 to 60 °C with an accuracy of  $\pm 0.5$  °C at 40 °C.

3) IC system will be inert having non-metallic PEEK (polyetheretherketone) fluidic components throughout the system to ensure solvent compatibility and metal contamination-free chromatography.

4) Pump will have Vacuum degasser or the provision for add on optional Vacuum degasser.

5) Suppressor will be operated continuously. Suppressor regeneration will be carried out either chemically or electrolytically.

6) Suppressor will have capacity to suppress for Carbonate and Bicarbonate eluent or Hydroxide eluents. CO<sub>2</sub> removal device will be provided along with suppressor to minimize the background conductivity for anion analysis in case of Carbonate and Bicarbonate eluent chemistry. Cation analysis shall be performed using suppressor or non-suppressed mode.

## CHEMICAL LAB EQUIPMENTS FOR 5X800 MW YADADRI PROJECT

### TECHNICAL SPECIFICATIONS

7) Conductivity detector microprocessor digital signal processing based with 0-13000  $\mu$ S or more Digital & Analog output with 0.1nS resolution and noise:  $\pm$  0.1nS with temperature compensation and temperature range of 7 to 55  $^{\circ}$ C with 0.01  $^{\circ}$ C accuracy.

8) Computer & Printer :

Latest Windows based compatible computer (Minimum configuration- i7 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.

9) License version of Chromatography software to control complete IC system, data acquisition, processing & reporting, etc. The software will be able to provide full automatic control of the process of analyzing samples.

10) Auto sampler (Optional): Automated sample for loading of samples having a capacity of 50 Poly vials of 5ml or 0.5 ml vial size or better .Variable volume injection for 0.1 ml to5.0 ml or better. All Autosampler vials should be closely covered in sampler by Autosampler cover to avoid environmental and light effect.

11) Voltage Stabilizer : As per system requirement ( Min 5 KVA Rating) .

12) Required standrad CRMs (Min. 3 Cations & 3 Anions) of 100 ppm to be supplied along with system.

13) Any other accessories / standards / consumables required for I&C, Demonstration & Operation of the system will be part of scope of supply.

#### NOTE:

1: Being an Optional item the price of "Auto sampler" to be quoted separately in the Price bid.

2: If the quoted model does not have in-built "column heater & Vacuum degasser", the price of both components to be quoted separately in the Price bid.

Annexure - 5

#### 5.0 Gas Chromatograph

##### 1.0 General:

Complete Gas chromatography (GC) system for measuring dissolved gases in transformer oil. GC shall consist of Oven, FID, TCD detectors, gas extraction system, methanizer and other accessories required for dissolved gas analysis i.e. Hydrocarbons, Hydrogen, Carbon Monooxide, Carbon Dioxide etc..

##### 2.0 Specifications of Equipment:

1. GC Controller: Microprocessor Based Gas Chromatograph with Data Processor, Digital Pressure and flow control for carrier gas, along with auto leak check facility in the digital measurement through hardware complete with necessary standard accessories.

##### Column Oven:

2. Temperature Range: Ambient - 400 $^{\circ}$ C

3. Oven Capacity: 12 - 25 litres

4. Temperature Deviation: 2 $^{\circ}$ C maximum

5. Temperature program steps: 5 to 7 (cooling program possible)

6. Linear heating rate: 30 $^{\circ}$ C/min upto 150 $^{\circ}$ C; 20 $^{\circ}$ C/min upto 250 $^{\circ}$ C,  
15 $^{\circ}$ C/min upto 325 $^{\circ}$ C; 10 $^{\circ}$ C/min upto 400 $^{\circ}$ C

7. Cooling Rate: 250 $^{\circ}$ C or 300 $^{\circ}$ C to 50 $^{\circ}$ C in 5 to 7 mins

8. Columns: Capillary columns: 2; Packed columns: 2

## CHEMICAL LAB EQUIPMENTS FOR 5X800 MW YADADRI PROJECT

### TECHNICAL SPECIFICATIONS

#### Sample Injection Unit:

9. Temperature Range: Up to 400°C
10. Heating Settings: 1°C step
11. Number of units that can be installed: Up to Three (03) simultaneously
12. Unit Type: Dual packed, single capillary injection- Split/splitless  
(Compatibility to complete range of capillary columns)

#### Carrier Gas flow Controller:

13. Range: 0-100 ml/min

#### Thermal Conductivity Detector (TCD) and Flame Ionization Detector (FID) System:

14. Temperature Range : 400°C.
15. Gas Purification Panel For Three Gases With Tubing's And Complete Fitment (1 No.)
16. Required Gas Cylinders With brackets & Double Stage Regulators For H<sub>2</sub>, N<sub>2</sub> / Ar and Zero Air (99.9% pure, 7 cu.m.) (1 Set)- Filling of gas cylinders as per specification requirement would be done at the time of I&C of equipment. Cost towards the same would be indicated separately.
17. Computer & Printer : Latest Windows based compatible computer (Minimum configuration- i7 processor, Min. 4 GB RAM, 500 GB SSD), 19" Monitor, UPS for computer, Mouse Pad, Key Board, B/W A4 laser Printer with speed 25 PPM or better.
18. License version of Chromatography software to control complete system, data acquisition, processing & reporting, etc. The software will be able to provide full automatic control of the process of analyzing samples.
19. Voltage Stabilizer : Min 5 KVA or better as per system requirement.
20. Required standrad CRMs / Gas Standard Mixture to be supplied along with system.
21. Any other accessories / standards / consumables required for demonstration & operation of the system will be part of scope of supply.

Annexure - 6

#### 6.0 Portable Water Quality Analyzer

Portable water quality analyzer for measuring pH, ORP, ION, conductivity, TDS, salinity, dissolved oxygen, Turbidity and temperature in water and waste water samples.

It shall have large backlit Liquid crystal display.

Instrument shall have below technical requirement

- 1.pH Range : 0.00 ... 14.00,  
Accuracy : ±0.1 pH
2. ORP Range : 1000 to +1000 mV,  
Accuracy : ±1 mV
3. Dissolved oxygen Range : 0.00 to 20.00 mg/L,  
Accuracy:±0.1 mg/L
4. Saturation measuring range : 0.0 to 200 %,  
Accuracy:±1%
5. Conductivity measuring range : 0 µs/cm to 200 ms/cm,  
Accuracy : ±1% full scale
6. TDS Range : 0 to 20 ppt
7. Turbidity : 0 to 1000 NTU  
Accuracy : <5% of the Full scale NTU.

Instrument shall be supplied with pH/ORP probe, Conductivity probe, and Dissolved oxygen probe, Turbidity measuring devise, short instruction manual, standard solutions and carry case.

Any other accessories/ standards / consumables not mentioned but required for I&C, demonstration & operation of the system will be part of scope of supply.

# CHEMICAL LAB EQUIPMENTS FOR 5X800 MW YADADRI PROJECT

## TECHNICAL SPECIFICATIONS

Annexure - 7

### 7.0 Oil Content Analyzer

Oil content analyzer with following specification shall be supplied:

1. Display: LCD
2. Measurement Method Solvent Extraction
3. Accuracy Better than 2% of Full Scale
4. Repeatability Better than 2% of Full Scale
5. Linear Range: 0 –200/1000 ppm most crudes or dilute sample for higher range Sensitivity: 1 ppm
6. Calibration: Single-point and blank
7. Response Time: 5 Seconds
8. Measures: Diesel, Lube Oil, Fuel Oil, Crude Oil and Gas condensates
9. Applications: Produced water, Industrial Waste Water, Oil Spill Response.
10. Minimum Detection Limit: <1 ppm for most oils
11. Instrument shall supplied with sample cuvettes, 2 liter extraction solvent and calibration standard.
12. Any other accessories/ standards / consumables not mentioned but required for I&C, demonstration & operation of the system will be part of scope of supply.

Annexure - 8

### 8.0 Atomic Absorption Spectrophotometer

Purpose:

The instrument is required to determine the following elements in solution as listed below:

- (a) Sodium
- (b) Potassium
- (c) Copper
- (d) Iron
- (e) Magnesium
- (f) Aluminum
- (g) Boron
- (h) Nickel
- (i) Mercury

#### Description:

The instrument will essentially consist of but not be limited to a source of light emitting the line spectrum of an element (hollow cathodic lamp), a device for vaporizing the sample (burner), a device for isolating an absorption line (monochromator or filter and adjustable slit) and a photoelectric detector with associated amplifying and electronic measuring and recording equipment. The instrument will be equipped with all accessories necessary to determine the elements listed above. The instrument will operate on 240V, 50Hz, single phase supply.

Specifications of Equipment:

1. Optics: True Double Beam optical design
2. Monochromator: The system should be based on Echelle Grating/ Aberration Corrected Czerny-Turner Mounting Hollow Graphite Grating or equivalent with grating lines 1600 lines/mm or more
3. Focal Length: 250 mm or more
4. Band width: Variable Band Width from 0.2 to 1.0 nm or 0.2 to 2 nm with automatic switching
5. Detector: Detector technology based on PMT/SSD or equivalent
6. Wavelength: Min :185 – 190 nm; Max: 900 nm
7. Sensitivity: 0.9 abs. for 5 ppm Cu solution
8. Turret: Six lamp turret or more.
9. Burner Assembly: Air Acetylene burner head and N<sub>2</sub>O burner head.
10. Computer & Printer : Latest Windows based compatible computer (Minimum configuration- i7 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.
11. Software for Parameter Control: All the method parameters related with lamp selection, calibration, control of flow gases should be through integrated software

## CHEMICAL LAB EQUIPMENTS FOR 5X800 MW YADADRI PROJECT

### TECHNICAL SPECIFICATIONS

12. Gas Control: The instrument should have programmable gas controls for air, N<sub>2</sub>O and C<sub>2</sub>H<sub>2</sub>
13. Software : Software for controlling analyzer, setting-up the method parameters, analyzing the samples and performing calibration.
14. Voltage Stabilizer : Min 10 KVA or better as per system requirement
15. Graphite Furnace system is to be supplied.
16. Hydride & Vapour Generator System is to be supplied with system.
17. Auto Sampler is to be supplied with system.
18. Required NIST traceable standards of 100 ppm of min 250 ml size for each element to be supplied.
19. Coded Hollow Cathode Lamp: - 1 No. Sodium (Na), Pottassium (K), Copper (Cu), Iron (Fe), Magnesium (Mg), Aluminium (Al), Boron (B), Nickel (Ni), Mercury (Hg).

#### Accessories:

- a. Acetylene, Nitrous Oxide, Argon filled Gas Cylinders, Regulators and Colour Coded Pressure Tubings as per system requirement.
- b. Exhaust fume hood.
- c. Air compressor,
- d. Water Chiller,
- e. NaBH<sub>4</sub> for HVG is to be provided if required.
- f. One no of each 10 ml, 20 ml & 50 ml micropipette to be supplied.

Any other accessories/ standards/reagents / consumables not mentioned but required for I&C, demonstration & operation of the system will be part of scope of supply.

#### Note:

1. All standard accessories / standards / reagents required for installation & Commissioning and proper operation of the equipments listed above shall be supplied along with the instrument.
2. Detailed printed Catalogue / User Manual for the items must be submitted along with the offer.
3. Complete scope , Installation & Commissioning at Project site shall be in vendor scope.

#### Other Terms & Conditions

##### Document:

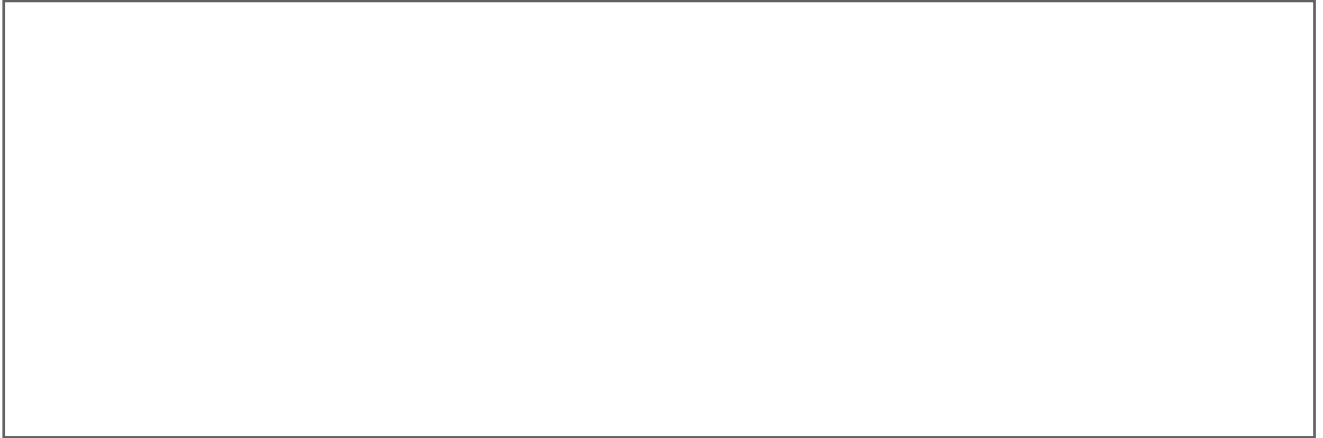
The O&M manual shall be submitted in form of hard copies (03 nos.) and in the form of CDs (03 nos.). Two sets shall be packed with the instrument and sent to site and third copy of O&M manuals shall be sent to PCRI-HEEP Haridwar.

**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. Training to chemists at site during installation should be provided for routine maintenance, operation and safety purpose. Failing to comply to the Installation and Commissioning clause, the offer will be rejected straightaway.

**Warrantee:** The equipment shall be warranted for satisfactory performance for a period of 18 months from the date of installation or 24 months from date of dispatch, whichever is later. Failing to comply to the warrantee clause, the offer will be rejected straightaway.

**Packing & Dispatch:** The equipment / accessories shall be packed in a suitable water proof/ vibration proof packing box capable of bearing air and road transit hazards. Packing box shall be properly identified and marked with BHEL's (India) Purchase Order Number. Also, "PCRI HWR" should be written in bold letters on all four sides of the packing box.

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**Pre-Qualification Requirements (PQR)**

1. The bidder should have an annual turnover (T.O.) of minimum Rs. 80.0 Lakhs/year in last 03 (Three) years.

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. Bidder should have supplied **Min 01 item out of “DO Meter (ppb level) / DO Meter (ppm level) / UV-VIS Spectrophotometer/ Portable water quality analyzer/ Oil content analyzer”** in last 05 years as on date of bid opening. PO copy, Proof of supply and end user details should be attached for the same.

3. Bidder should have supplied **Min 01 items out of “Ion Chromatography / Gas Chromatograph/Atomic Absorption Spectrophotometer”** in last 05 years as on date of bid opening. PO Copy, Proof of supply and end user details should be attached for the same.



## INTEGRITY PACT

### Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

### and

\_\_\_\_\_, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

### Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for

\_\_\_\_\_. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

### **Section 1- Commitments of the Principal**

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions:

## **Section 2 - Commitments of the Bidder(s)/ Contractor(s)**

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and will await their decision in the matter.

## **Section 3 - Disqualification from tender process and exclusion from future contracts**

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

## **Section 4 - Compensation for Damages**

- 4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to

demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher.

### **Section 5 - Previous Transgression**

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

### **Section 6 - Equal treatment of all Bidders/ Contractors / Sub-contractors**

- 6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain responsible for any default by his sub-contractors.
- 6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

### **Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

### **Section 8 - Independent External Monitor(s)**

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non- disclosure agreement.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

- 8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious irregularities requiring legal/ administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.9 IEM should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organisation.
- 8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code/ Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.
- 8.12 The word 'Monitor' would include both singular and plural.

### **Section 9 - Pact Duration**

- 9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty / guarantee etc. should be outside the purview of IEMs.
- 9.2 If any claim is made/ lodged during currency of IP, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

### **Section 10 - Other Provisions**

- 10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

- 10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

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For & On behalf of the Principal

For & On behalf of the Bidder/

Contractor

(Office Seal)

(Office Seal)

Place-----

Date-----

Witness:\_\_\_\_\_

Witness:\_\_\_\_\_

(Name & Address) \_\_\_\_\_

(Name & Address) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## 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