

Rev 02  
17<sup>th</sup> Sept  
2020

# NOTICE INVITING TENDER

(Document No PS:MSX:NIT)

**TENDER REF: BHEL/NR/SCT/GADARWARA/  
CALIBRATION/1212**

**NAME OF WORK: Onsite Calibration of  
Pressure Sensors (Pressure Transmitters,  
Vacuum Transmitters, DP Transmitters) and  
Temperature Sensors (RTD and K - type  
Thermocouples) at BHEL PSNR Gadawara  
site by NABL accredited LAB and preparation  
and submission of NABL Calibration  
Certificate.**

**Bharat Heavy Electricals Limited**



# NOTICE INVITING E-TENDER (NIT)

## NOTE: BIDDER MAY DOWNLOAD FROM WEB SITES

To

Dear Sir/Madam

**Sub : NOTICE INVITING E-TENDER**

Sealed offers in two part bid system (National competitive bidding (NCB) are invited from reputed & experienced bidders (meeting PRE QUALIFICATION CRITERIA as mentioned in Annexure-1) for the subject job by the undersigned on the behalf of BHARAT HEAVY ELECTRICALS LIMITED as per the tender document. Following points relevant to the tender may please be noted and complied with.

**1.0 Salient Features of NIT**

SL NO	ISSUE	DESCRIPTION
i	TENDER NUMBER	BHEL/NR/SCT/GADARWARA/CALIBRATION/1212
ii	Broad Scope of job	Onsite Calibration of Pressure Sensors (Pressure Transmitters, Vacuum Transmitters, DP Transmitters) and Temperature Sensors (RTD and K - type Thermocouples) at BHEL PSNR Gadawara site by NABL accredited LAB and preparation and submission of NABL Calibration Certificate.
iii	DETAILS OF TENDER DOCUMENT	
a	Volume-IA	<i>Technical Conditions of Contract (TCC) consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc</i> <span style="float: right;">Applicable</span>
b	Volume-IB	<i>Special Conditions of Contract (SCC)</i> <span style="float: right;">Not Applicable</span>
c	Volume-IC	<i>General Conditions of Contract (GCC)</i> <span style="float: right;">Not Applicable</span>
d	Volume-ID	<i>Forms and Procedures</i> <span style="float: right;">Applicable</span>
e	Volume-II	<i>Price Schedule (Absolute value).</i> <span style="float: right;">Applicable</span>
iv	Issue of Tender Documents	Tender documents will be available for downloading from BHEL eProcurement portal ( <a href="https://eprocurebhel.co.in">https://eprocurebhel.co.in</a> ) till due date of submission: <b>Start : 18/11/2020 , Time : 17:00 HRS</b> <b>Closes: 01/11/2020 , Time : 10:00 HRS</b> Brief information of the tenders shall also be available at BHEL website ( <a href="http://www.bhel.com">www.bhel.com</a> ) <span style="float: right;">Applicable</span>
v	DUE DATE & TIME OF OFFER SUBMISSION	<b>Date : 01/12/2020, Time : 10:00 HRS</b> <b>Place : on <a href="https://eprocurebhel.co.in">https://eprocurebhel.co.in</a></b> <span style="float: right;">Applicable</span>
vi	OPENING OF TENDER	<b>Date : 01/12/2020, Time : 15:30 HRS</b> (within 2 hours of the latest due date and time of offer submission). <span style="float: right;">Applicable</span>

		<p><b>Notes:</b></p> <p>(1) In case the due date of opening of tender becomes a non-working day, then the due date &amp; time of offer submission and opening of tenders get extended to the next working day.</p> <p>(2) Bidder may depute representative to witness the opening of tender. For e-Tender, Bidder may witness the opening of tender through e-Procurement portal only.</p>	
vii	<b>EMD AMOUNT</b>		Not Applicable
viii	<b>COST OF TENDER</b>	Free	
ix	<b>LAST DATE FOR SEEKING CLARIFICATION</b>	<p><b>Five days before bid submission due date</b></p> <p>Along with soft version also, addressing to undersigned &amp; to others as per contact address given below:</p> <p>1) Name: G.V. RAJA SEKHAR Designation: Sr. Manager Deptt: SCT Address: BHEL-PSNR, PLOT NO. 25, SECTOR – 16A, NOIDA - 201301 Phone: (Landline) 0120-2416232 Email : <a href="mailto:gvr@bhel.in">gvr@bhel.in</a></p> <p>2) Name: DESHRAJ YADAV Designation: Sr. Engineer Deptt: SCT Address: BHEL-PSNR, PLOT NO. 25, SECTOR – 16A, NOIDA - 201301 Phone: (Landline) 0120-2416261 Email : <a href="mailto:deshraj@bhel.in">deshraj@bhel.in</a></p>	Applicable
x	<b>SCHEDULE OF Pre Bid Discussion (PBD)</b>		Not applicable.
xi	<b>INTEGRITY PACT &amp; DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)</b>		Not Applicable
xii	<b>Latest updates</b>	<p>Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc. to Tender Specifications will be hosted in BHEL webpage (<a href="http://www.bhel.com">www.bhel.com</a> --&gt;Tender Notifications →View Corrigendums), BHEL eProcurement portal (<a href="https://eprocurebhel.co.in">https://eprocurebhel.co.in</a>) <b>and not in the newspapers</b>. Bidders to keep themselves updated with all such information.</p>	

- 2.0 The offer shall be submitted as per the instructions of tender document and as detailed in this NIT. Bidders to note specifically that all pages of tender document, including these NIT pages of this particular tender together with subsequent correspondences shall be submitted by them, duly signed digitally using Class III DSC & uploaded in E-Procurement Portal, as part of offer. **Rates/Price including discounts/rebates, if any,**

mentioned anywhere/in any form in the techno-commercial offer other than the Price Bid, shall not be entertained.

3.0 Not Used.

4.0 Not Applicable.

5.0 **Procedure for Submission of Tenders:** This is an E-tender floated online through our E-Procurement Site (<https://eprocurebhel.co.in>). The bidder should respond by submitting their offer online only in our e-Procurement platform at (<https://eprocurebhel.co.in>). Offers are invited in two-parts only.

#### **Documents Comprising the e-Tender**

The tender shall be submitted online ONLY EXCEPT EMD (in physical form) as mentioned below:

##### **a. Technical Tender (UN priced Tender)**

All Technical details (e.g. Eligibility Criteria requested (as mentioned below)) should be attached in e-tendering module, failing which the tender stands invalid & may be REJECTED. Bidders shall furnish the following information along with technical tender (preferably in pdf format):

- i. Earnest Money Deposit (EMD) furnished in accordance with NIT Clause 4.0. Alternatively, documentary evidence for claiming exemption as per clause 29 of NIT.
- ii. Technical Bid (without indicating any prices).

##### **b. Price Bid:**

- i. Prices are to be quoted in the attached Price Bid format online on e-tender portal.
- ii. The price should be quoted for the accounting unit indicated in the e-tender document.
- iii. Note: It is the responsibility of tenderer to go through the Tender document to ensure furnishing all required documents in addition to above, if any. Any deviation would result in REJECTION of tender and would not be considered at a later stage at any cost by BHEL.
- iv. A person signing (manually or digitally) the tender form or any documents forming part of the contract on behalf of another shall be deemed to warrantee that he has authority to bind such other persons and if, on enquiry, it appears that the persons so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies, cancel the contract and hold the signatory liable for all cost and damages.
- v. A tender, which does not fulfil any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected.

#### **DO NOT'S**

Bidders are requested NOT to submit the hard copy of the Bid. In case offer is sent through hard copy/fax/telex/cable/electronically in place of e-tender, the same shall not be considered. **Also, uploading of the price bid in prequalification bid or technical bid may RESULT IN REJECTION of the tender.**

#### **Digital Signing of e-Tender**

Tenders shall be uploaded with all relevant PDF/zip format. The relevant tender documents should be uploaded by an authorized person having Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION digital signature certificate (DSC).

#### **The Requirement:**

1. A PC with Internet connectivity &
2. DSC (Digital Signature Certificate) (**Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION**)

**The contact details of the service provider are given below:**

**For any technical related queries please call at 24 x 7 Help Desk Number**

**0120-4001 002, 0120-4001 005 & 0120-6277 787**

**International bidders are requested to prefix 91 as country code**

**Email Support - Technical - [support-eproc@nic.in](mailto:support-eproc@nic.in)**

**Note: For any Issues or Clarifications relating to the published tenders, bidders are requested to contact the respective Tender Inviting Authority**

The process of utilizing e-procurement necessitates usage of **DSC (Digital Signature Certificate)**

**(Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION)** and you are requested to procure the same immediately, if not presently available with you. Please note that only with DSC, you will be able to login the e-procurement secured site and take part in the tendering process.

The contact details of the DSC Certifying Authority as given below:

Sl. No.	Name	Website Link
1	GNFC	<a href="http://www.ncodesolutions.com">www.ncodesolutions.com</a>
2	e-Mudhra	<a href="http://www.e-Mudhra.com">http://www.e-Mudhra.com</a>
3	Safescrypt	<a href="http://www.safescrypt.com">www.safescrypt.com</a>

Vendors are also requested to go through seller manual available on <https://eprocurebhel.co.in>.

- 6.0 Not used.
- 7.0 Deviation with respect to tender clauses and additional clauses/suggestions in Techno-commercial bid / Price bid shall NOT be considered by BHEL. Bidders are requested to positively comply with the same.
- 8.0 BHEL reserves the right to accept or reject any or all Offers without assigning any reasons thereof. BHEL also reserves the right to cancel the Tender wholly or partly without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter (except for the refund of EMD).
- 9.0 **Not Applicable.**
- 10.0 Since the job shall be executed at site, bidders must visit site/ work area and study the job content, facilities available, availability of materials, prevailing site conditions including law & order situation, applicable wage structure, wage rules, etc. before quoting for this tender. They may also consult this office before submitting their offers, for any clarifications regarding scope of work, facilities available at sites or on terms and conditions.
- 11.0 For any clarification on the tender document, the bidder may seek the same in writing or through e-mail and/or through e-procurement portal, as per specified format, within the scheduled date for seeking clarification, from the office of the undersigned. BHEL shall not be responsible for receipt of queries after due date of seeking clarification due to postal delay or any other delays. Any clarification / query received after last date for seeking clarification may not be normally entertained by BHEL and no time extension will be given.
- 12.0 BHEL may decide holding of pre-bid discussion [PBD] with all intending bidders as per date indicated in the NIT. The bidder shall ensure participation for the same at the appointed time, date and place as may be decided by BHEL. Bidders shall plan their visit accordingly. The outcome of pre-bid discussion (PBD) shall also form part of tender.

- 13.0 In the event of any conflict between requirement of any clause of this specification/ documents/drawings/data sheets etc. or requirements of different codes/standards specified, the same to be brought to the knowledge of BHEL in writing for clarification before due date of seeking clarification (whichever is applicable), otherwise, interpretation by BHEL shall prevail. Any typing error/missing pages/ other clerical errors in the tender documents, noticed must be pointed out before pre-bid meeting/submission of offer, else BHEL's interpretation shall prevail.
- 14.0 Unless specifically mentioned otherwise, bidder's quoted price shall deemed to be in compliance with tender including PBD.
- 15.0 **Not Applicable.**
- 16.0 The Bidder has to satisfy the Pre-Qualifying Requirements stipulated for this Tender in order to be qualified. The Price Bids of only those bidders will be opened who will be qualified for the subject job on the basis of satisfying the Pre-Qualification Criteria specified in this NIT as per Annexure-I (as applicable), past performance etc. and date of opening of price bids shall be intimated to only such bidders. BHEL reserves the right not to consider offers of parties under HOLD.
- 17.0 In case BHEL decides on a 'Public Opening', the date & time of opening of the sealed PRICE BID shall be intimated to the qualified bidders and in such a case, bidder may depute one authorized representative to witness the price bid opening. BHEL reserves the right to open 'in-camera' the 'PRICE BID' of any or all Unsuccessful/Disqualified bidders under intimation to the respective bidders.
- 18.0 Validity of the offer shall be for **six months** from the latest due date of offer submission (including extension, if any) unless specified otherwise.
- 19.0 Not Applicable.
- 20.0 On submission of offer, further consideration will be subject to compliance to tender & qualifying requirement and customer's acceptance, as applicable.
- 21.0 In case the bidder is an "Indian Agent of Foreign Principals", 'Agency agreement has to be submitted along with Bid, detailing the role of the agent along with the terms of payment for agency commission in INR, along with supporting documents.
- 22.0 The bidders shall not enter into any undisclosed M.O.U. or any understanding amongst themselves with respect to tender.
- 23.0 Not Applicable.
- 24.0 The bidder shall submit documents in support of possession of 'Qualifying Requirements' duly self-certified and stamped by the authorized signatory, indexed and properly linked in the format for PQR. In case BHEL requires any other documents/proofs, these shall be submitted immediately.
- 25.0 The bidder may have to produce original document for verification if so decided by BHEL.
- 26.0 The consultant / firm (and any of its affiliates) shall not be eligible to participate in tender(s) for the related works or services for the same project, if they were engaged for the consultancy services.
- 27.0 Guidelines/rules in respect of Suspension of Business dealings, Vendor evaluation format, Quality, Safety & HSE guidelines, Experience Certificate, etc. may undergo change from time to time and the latest one shall be followed. The abridged version of extant 'Guidelines for suspension of business dealings with suppliers/ contractors' is available on [www.bhel.com](http://www.bhel.com) on "**supplier registration page**".
- 28.0 The offers of the bidders who are on the banned/ hold list and also the offer of the bidders, who engage the services of the banned/ hold firms, shall be rejected. The list of **banned/ hold firms** is available on BHEL web site [www.bhel.com](http://www.bhel.com).

**28.1 Integrity commitment, performance of the contract and punitive action thereof:****28.1.1 Commitment by BHEL:**

BHEL commits to take all measures necessary to prevent corruption in connection with the tender Process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.

**28.1.2 Commitment by Bidder/ Supplier/ Contractor:**

- (i) The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India.
- (ii) The bidder/ supplier/ contractor 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 and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.
- (iii) The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.

If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the prices or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extent guidelines of the company available on [www.bhel.com](http://www.bhel.com) and / or under applicable legal provisions.

**29.0 Not Applicable.**

30.0 The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

**31.0 PREFERENCE TO MAKE IN INDIA:**

For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/Non-Local Supplier and purchase preferences to Class I local supplier, is as defined I Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.

**32.0 Not used**

33.0 In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders.

In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss/ draw of lots, in the presence of the respective L-1 bidder(s) or their representative(s).

Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.

- 34.0 The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). 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.

In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

35.0 Order of Precedence:

In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:

- a. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL
- b. Notice Inviting Tender (NIT)
- c. Price Bid
- d. Technical Conditions of Contract (TCC)—Volume-1A
- e. Special Conditions of Contract (SCC) —Volume-1B
- f. General Conditions of Contract (GCC) —Volume-1C
- g. Forms and Procedures —Volume-1D

It may please be noted that guidelines/ circulars/ amendments/ govt. directives issued from time to time shall also be applicable.

for BHARAT HEAVY ELECTRICALS LTD  
(SCT)

**Enclosure:**

- (i) Annexure-1: Pre Qualifying Requirements.
- (ii) Annexure-2: Check List.
- (iii) Annexure-3: Undertaking as per C4 of Annexure-1 i.e. PQR
- (iv) Annexure-4: Declaration reg. Related Firms & their areas of Activities
- (v) Other Tender documents as per this NIT.



## ANNEXURE - 1

### PRE QUALIFYING REQUIREMENTS (PQR)

JOB	Onsite Calibration of Pressure Sensors (Pressure Transmitters, Vacuum Transmitters, DP Transmitters) and Temperature Sensors (RTD and K - type Thermocouples) at BHEL PSNR Gadawara site by NABL accredited LAB and preparation and submission of NABL Calibration Certificate.
TENDER NO.	BHEL/NR/SCT/GADARWARA/CALIBRATION/1212

SL NO	PRE QUALIFICATION CRITERIA	Bidders claim in respect of fulfilling the PQR Criteria	
		Name and Description of qualifying criteria	Page no of supporting document. Bidder must fill up this column as per applicability
B B1	<p><b><u>Technical</u></b></p> <p>Bidder should have executed <b>Similar works</b> for any one of the following in the last seven years from latest date of bid submission:</p> <p>B1.1 One work of Value not less than <b>Rs 2.73 Lakhs.</b>                 ‘OR’</p> <p>B1.2 Two works each of Value not less than <b>Rs 1.71 Lakhs.</b>                 ‘OR’</p> <p>B1.3 Three works each of Value not less than <b>Rs 1.36 Lakhs.</b></p> <p>The word ‘<b>Similar Works</b>’ means ‘<b>CALIBRATION OF PRESSURE AND/OR TEMPERATURE SENSOR WORKS</b>’</p>		
B2	<p><b><u>Additional Technical PQR</u></b></p> <p>B2.1 Bidder must have NABL accreditation for on-site calibration of Pressure Sensors (Vacuum Transmitter, Pressure Transmitter &amp; DP Transmitters) and Temperature Sensors (RTD / PRT &amp; K type Thermocouples)</p> <p>B2.2 Bidder must have NABL accreditation of CMC (Calibration of Instrument capability) of better than (+) 0.1 % or better for Pressure / Vacuum Transmitters and (+) 0.05 % for DP Transmitters with a confidence level of 95% over the entire range of Pressure Sensor (<i>i.e. from 0.06 Kg/cm<sup>2</sup> abs to 0-350 Kg/cm<sup>2</sup></i>).</p> <p>B2.3 Bidder must have NABL accreditation of CMC (Calibration of Instrument capability) of less than or equal to (+/-) 0.5 Deg C for Temperature Sensors with a confidence level of 95% over the entire range of Temperature Sensor (<i>i.e. 0-350 Deg. C</i>).</p>		

<b>C-1</b>	<p><b><u>Financial TURNOVER</u></b></p> <p>Bidders must have achieved an average annual financial turnover (Audited) of <b>Rs 1.02 Lakhs</b> or more over last three Financial Years (FY) i.e 2017-18, 2018-19 and 2019-20. <i>However due to Covid 19 pandemic, in case bidder have not got their accounts audited for FY 2019-20 as on date of bid submission, the audited accounts for FY 2016-17, 2017-18 &amp; 2018-19 can be submitted with a declaration/confirmation that accounts for FY 2019-20 have not been audited as on date of bid submission.</i></p> <p>Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as indicated above along with all annexures. If Financial Statements are not required to be audited statutorily, then instead of audited financial statements, financial statements are required to be certified by Chartered Accountant.</p> <p>In case audited Financial statements have not been submitted for all the three years as indicated above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years i.e. total divided by three.</p>		
<b>C-2</b>	<p><b>NETWORTH</b> (only in case of Companies)</p> <p>Net worth of the Bidder based on the latest Audited Accounts as furnished for 'C-1' above should be positive. NETWORTH Shall be calculated based on the latest Audited Accounts as furnished for C-1 above. Net worth = Paid up share capital + Reserves.</p>		
<b>C-3</b>	<p><b>PROFIT</b></p> <p>Bidder must have earned cash profit in any one of the three Financial Years as applicable in the last three Financial Years defined in 'C-1' above based on latest Audited Accounts. PROFIT Shall be NET profit (PAT + Non cash expenditure viz depreciation).</p>		
<b>C-4</b>	<p>Bidder must not be under Insolvency Resolution Process or Liquidation or Bankruptcy Code Proceedings (IBC) as on date, by NCLT or any adjudicating authority/authorities, which will render him ineligible for participation in this tender, and shall submit undertaking (Annexure-3) to this effect.</p>		
<b>D</b>	<p><b>Price Bid Opening</b></p> <p><b>Note:</b> Price Bids of only those bidders shall be opened who stand qualified after compliance of criteria B to C.</p>		BY BHEL
	<p><b><u>Explanatory Notes for the PQR (unless otherwise specified in the PQR):</u></b></p> <ol style="list-style-type: none"> <li>For evaluation of PQR, in case Bidder alone does not meet the pre-qualifying technical criteria B1 above, bidder may utilize the experience of its Parent/ Subsidiary Company along with its own experience, subject to following: <ol style="list-style-type: none"> <li>The parent company shall have a controlling stake of ≥50% in the subsidiary company (as per Format-1).</li> <li>The Parent Company/ Subsidiary Company of which experience is being utilized for bidding shall submit Security Deposit(SD) equivalent to 1% of the total contract value</li> <li>The parent/ subsidiary company and bidder shall provide an undertaking that they are jointly or severally responsible for successful performance of the contract (as per Format-2).</li> </ol> </li> </ol>		

2. Completion date for achievement of the technical criteria specified in the Technical' criteria of PQR (as in 'B' above) should be in the last 7 years ending on the 'latest date of Bid Submission' of Tender irrespective of date of the start of work.
3. 'EXECUTED' means the bidder should have achieved the criteria specified in the Technical criteria of PQR (as in 'B' above) even if the Contract has not been completed or closed.

**Explanatory Notes for QR 'B1'**

- For QR 'B1' above, actual executed value shall be considered.
- The evaluation currency for this tender shall be **INR**.
- For QR 'B1' above, Value of work is to be updated with indices for "All India Avg. Consumer Price index for industrial workers" and "Monthly Whole Sale Price Index for All Commodities" with base month as per last month of work execution and indexed up to three (3) months prior to the month of latest due date of bid submission as per following formula-

$$P = \left\{ R + 0.425 \times R \times \frac{(X_N - X_0)}{X_0} + 0.425 \times R \times \frac{(Y_N - Y_0)}{Y_0} \right\}$$

Where

P = Updated value of work

R = Value of executed work

X<sub>N</sub>= All India Avg. Consumer Price index for industrial workers for three months prior to the month of latest due date of bid submission (e.g. If latest bid submission date is 02-Mar-17, then bid submission month shall be reckoned as March'17 and index for Dec'2016 shall be considered).

X<sub>0</sub> = All India Avg. Consumer Price index for industrial workers for last month of work execution.

Y<sub>N</sub>= Monthly Whole Sale Price Index for All Commodities for three months prior to the month of latest due date of bid submission (e.g. If latest bid submission date is 02-Mar-17, then bid submission month shall be reckoned as March'17 and index for Dec'2016 shall be considered).

Y<sub>0</sub> = Monthly Whole Sale Price Index for All Commodities for last month of work execution.

- Relevant documents, meeting above requirements at B & C, shall be submitted by bidders.

BIDDER SHALL SUBMIT ABOVE PRE-QUALIFICATION CRITERIA FORMAT, DULY FILLED-IN, SPECIFYING RESPECTIVE ANNEXURE NUMBER AGAINST EACH CRITERIA AND FURNISH RELEVANT DOCUMENT INCLUSIVE OF WORK ORDER AND WORK COMPLETION CERTIFICATE ETC IN THE RESPECTIVE ANNEXURES IN THEIR OFFER.

Credentials submitted by the bidder against "PRE QUALIFYING CRITERIAS" shall be verified for its authenticity. In case, any credential (s) is/are found unauthentic, offer of the bidder is liable to the rejection. BHEL reserves the right to initiate any further action as per extant guidelines for Suspension of Business Dealings.

Format-1**Certificate for relationship between Parent Company / Subsidiary Company and the bidder**

To,

.....

.....

Dear Sir,

**Sub:** Bid for NIT No .....dated..... for “.....” (name of the tender).

We hereby certify that M/s..... is Parent Company/ Subsidiary Company of M/s .....(the bidder) and details of equity holding of the Parent Company in Subsidiary Company as on .....(not earlier than seven days prior to the Bid Submission Date) are given as below:

Name of Parent Company	Name of Subsidiary Company	Percentage of Equity Holding of Parent Company in Subsidiary Company

**(Insert Name and Signature of Statutory Auditor or practicing Company Secretary of the Bidder)**

**Undertaking from the Parent Company/ Subsidiary Company of the bidder**  
**(On the Letter Head of Parent Company/ Subsidiary Company, as applicable)**

From,  
Name:  
Full Address:

Telephone No.:  
E-mail address:  
Fax/No.:

To,  
.....  
.....

Dear Sir,

We refer to the NIT No .....dated..... for “.....” (name of the Tender).

“We have carefully read and examined in detail the NIT/Tender Terms and Conditions, including in particular, Clause .... of the NIT/Tender, regarding submission of an Undertaking, as per the prescribed Format 1 of the NIT/ Tender.

We confirm that M/s..... (the Bidder) has been authorized by us to use our Technical capability for meeting the Technical Criteria as specified in Clause.....of the PQR of the NIT/Tender referred above.

We agree to submit the Security Deposit equivalent to 1% of the total contract value in addition to Security Deposit to be submitted by Bidder as per Clause.....of the NIT/Tender for fulfilment of all obligations in terms of provisions of the contract, in the event of .....(the Bidder) being selected as the Successful Bidder.

We confirm that we along with M/s.....(the bidder), are jointly or severally responsible for successful performance of the contract.

We confirm that our company shall not participate in the above tender as a ‘Standalone Bidder’ or as a ‘Consortium bidder’ and also shall not authorize any other bidder to use our Technical capability for the above tender.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the referred NIT/Tender.

**Signature of Managing Director/Authorized signatory of Parent/ Subsidiary Company**

**ANNEXURE - 2****CHECK LIST****NOTE:- Tenderers are required to fill in the following details and no column should be left blank**

1	Name of the Tenderer		
2	Address of the Tenderer		
3	Type of the Firm/ Company		
(i)	In case of Individual Tenderer	His / her full name, address and place & nature of business shall be furnished along with the offer.	
(ii)	In case of Partnership Firm	The names of all the partners and their addresses, A copy of the partnership deed/instrument of partnership duly certified by the Notary Public shall be furnished along with the offer.	
(iii)	In case of Companies	a) Date and place of registration including date of commencement certificate in case of Public Companies (certified copies of Memorandum and articles of Association are also to be furnished). b) Nature of business carried on by the Company and the provisions of the Memorandum relating thereof.	
4.a	Details of Contact person for this Tender	Name : Mr/Ms Designation: Telephone No: Mobile No: Email ID: Fax No:	
4.b	Details of alternate Contact person for this Tender	Name : Mr/Ms Designation: Telephone No: Mobile No: Email ID: Fax No:	
5	EMD DETAILS	NOT APPLICABLE	
6	Validity of Offer	TO BE VALID FOR SIX MONTHS FROM DUE DATE	
		APPLICABILITY (BY BHEL)	ENCLOSED BY BIDDER
7	Whether all pages of the Tender documents including annexures, appendices etc are read and understood	Applicable	YES / NO
8	Whether the format for compliance with <b>PRE QUALIFICATION CRITERIA</b> (ANNEXURE-I) is understood and filled with proper supporting documents referenced in the specified format	Applicable	YES / NO
9	Audited profit and Loss Account for the last three years	Applicable	YES/NO
10	Copy of PAN Card	Applicable	YES/NO
11	Copy of GST Registration	Applicable	YES/NO
11	Whether all pages of the Tender documents including annexures, appendices etc are read understood and signed	Applicable	YES/NO
12	Declaration by Authorized Signatory	Applicable	YES/NO
13	No Deviation Certificate	Applicable	YES/NO

14	Declaration confirming knowledge about Site Conditions	Applicable	YES/NO
15	Declaration for relation in BHEL	Applicable	YES/NO
16	Non-Disclosure Certificate	Applicable	YES/NO
17	Bank Account Details for E-Payment	Applicable	YES/NO
18	Power of Attorney for Submission of Tender/Signing Contract Agreement	Applicable	YES/NO

NOTE : STRIKE OFF 'YES' OR 'NO', AS APPLICABLE. TENDER NOT ACCOMPANIED BY THE PRESCRIBED **ABOVE APPLICABLE DOCUMENTS** ARE LIABLE TO BE SUMMARILY REJECTED.

DATE :

**Sign. of the AUTHORISED SIGNATORY**  
**(With Name, Designation and Company seal)**

**ANNEXURE – 3**

**UNDERTAKING**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

**To,**

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/Madam,

**Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS**

**Ref:** NIT/Tender Specification No:

I/We, \_\_\_\_\_

declare that, I/We am/are not under insolvency resolution process or liquidation or Bankruptcy Code Proceedings (IBC) as on date, by NCLT or any adjudicating authority/authorities, which will render us ineligible for participation in this tender.

**Sign. of the AUTHORISED SIGNATORY  
(With Name, Designation and Company seal)**

Place:

Date:



**ANNEXURE-4****DECLARATION**

Date: \_\_\_\_\_

To: \_\_\_\_\_  
Address: BHEL, \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Email: \_\_\_\_\_  
\_\_\_\_\_Sub: **Details of related firms and their area of activities**

Dear Sir/ Madam,

Please find below details of firms owned by our family members that are doing business/ registered for same item with BHEL, \_\_\_\_\_ (NA, if not applicable)

1	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
2	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
...		

**Note: I certify that the above information is true and I agree for penal action from BHEL in case any of the above information furnished is found to be false.**

Regards,

(\_\_\_\_\_)

From: M/s \_\_\_\_\_  
Supplier Code: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

<b>1</b>	<b>Job &amp; Broad Scope of Work:</b>	
1.1	Job for carrying out on-site calibration, preparation and submission of NABL calibration certificates of Pressure transmitters (PT), Vacuum Transmitters, Differential Pressure Transmitters (DPT), Thermocouples & RTD / PRT by NABL accredited agencies at BHEL PSNR Gadawara site. Preparation and submission of NABL calibration certificates for calibrated instruments	
<b>2</b>	<b>Detailed scope of work and technical specifications / requirements:</b>	
<b>Sr. No.</b>	<b>Description</b>	<b>Bidder's Reply / comment</b>
2.1	Calibration laboratory shall conform to ISO/IEC 17025:2005 or latest version in all practices while performing calibration activities. Successful bidder has to submit calibration procedure to BHEL & get it approved by BHEL prior to carrying out the same.	
2.2	Calibration points for PT / VT & DPT shall be of five points and calibration data will be recorded as per enclosed format in <b>Annexure-II</b> of technical specification. Calibration is to be carried out by comparison method using suitable pressure calibrator with positive-pressure / vacuum pump of reputed company. Pressure transmitters may be either Gauge or Absolute type. <b><u>For Vacuum Transmitters the lowest calibration point required is 55 mmHg (Abs) (i.e 0.06 Kg/cm2 (Abs)).</u></b>	
2.3	Accuracy class of PT under calibration shall be of 0.1 % and that of DPT under calibration shall be 0.05% of span (1 to 5 Volt). NABL Accreditation in support of calibration and measurement capability (CMC) for on-site calibration must be submitted by the bidder	
2.4	All PT and DPT shall be checked and adjusted by calibration laboratory/successful bidder for lower range (equivalent output voltage of 1V) and upper range (equivalent output voltage of 5V) before start of calibration by using smart type HART communicator.	
2.5	Calibration points shall be of five points in terms of Ohm for RTD/PRT and mV for Thermocouple as per enclosed formats in <b>Annexure-III</b> and <b>Annexure-IV</b> for calibration of Temperature Sensors (RTD/PRT and K-type Thermocouple respectively). Calibration is to be carried out by comparison method. Calibration points for RTD (range 0-350 °C) shall be at 0,100,200,300,350 °C and for Thermocouple (range 0-660 °C) be at 0, 350, 450, 550, 600 °C.	

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

2.6	Cold junction temperature reference shall be held at the ice-point or stable temperature (0 °C) of an isothermal reference during calibration of Thermocouples. When electronically controlled reference junctions are used, they shall have the ability to control the reference temperature within (+/-) 0.03 °C	
2.7	ITS-90 table shall be used as reference for conversion purpose during calibration.	
2.8	All temperature sensors are to be annealed for stress removal before start of calibration.	
2.9	Calibration and measurement uncertainty shall be less than or equal to (+/-) 0.5 °C at 95% confidence probability. Bidder shall submit the relevant proof of NABL-Accreditation.	
2.10	All temperature sensors are to be annealed for stress removal before start of calibration	
2.11	Calibration works at site will be done in the presence of BHEL-Representative and if required, be witnessed by customer of BHEL. MOM to be made after completion of job.	
2.12	Sticker of calibration should be duly signed and affixed on the calibrated instrument by the responsible representative of the calibration laboratory/successful bidder. Sticker should have serial number, range, calibration date and calibration due date of "instrument under calibration" and NABL logo	
2.13	Calibration report should include the identification of the calibration equipment and instruments, a description of the calibration process, a statement of uncertainty of the measuring standard and a tabulation of the recorded calibration data. Report should be signed by a responsible representative of the calibration laboratory.	
2.14	Minimum one year validity period of calibration should be given by the calibration laboratory/Successful bidder	
2.15	Successful bidder shall arrange all the state of the art instruments with latest technology and digital operation. All applicable instruments needed for calibration shall be in the scope of successful bidder. Valid Calibration certificates of masters / standards along with Calibration procedure are to be submitted at the time of bid-submission for approval from BHEL. Valid calibration certificates of masters / Standards / instruments / equipment shall have traceability to NABL / NIST / NPL. These certificates need to be submitted before start of calibration at site on Technical Specifications / Scope of works for on-site calibration of all specified instruments of various ranges by NABL accredited calibration laboratory each occasion. Insurance for bidder's Manpower, T&P,	

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

	Equipment/Machineries/Instruments, Test kits, Consumables etc. shall be on Successful bidders account.	
2.16	Successful bidder will have to arrange their own incoming / outgoing road permit for to and fro transportation of all equipment/machineries/instruments, T&Ps, materials, consumables etc. required for the work and necessary entry & exit gate pass for the same to the work spot and return.	
2.17	Rate per sensor shall be for on-site calibration at PSNR Gadawara site	
2.18	Above rate / price per sensor shall be inclusive of all expenditure to be incurred towards travelling charges, local conveyance, boarding & lodging charges for at least two calibration experts, T&P, Equipment / Machineries / instruments, test kits, consumables, transportation (including arrangement of incoming / outgoing road permit, entry / exit pass), fitting and dismantling if required and irrespective of carrying out the calibration works on Sundays/Holidays and extra hours and all Taxes, Duties and Levies etc. leviable by any Statutory Authority but excluding of GST shall be paid extra, as applicable.	
2.19	Boarding & Lodging and local conveyance for calibration experts/team (minimum two persons) at site will be in the scope of the calibration laboratory/successful bidder.	
2.20	All works quality, safety regulations and general technical guide lines as stipulated in the relevant documents shall be maintained by the calibration laboratory/Successful bidder. Successful bidder will have to follow & ensure Safety norms and utmost care of all machineries/equipment and manpower of BHEL/Customer during execution of job. Any damage caused due to negligence of bidder, the cost and responsibility shall be borne by successful bidder and BHEL/Customer will not be responsible for any such negligence. Safety precautions should be strictly adhered to, in line with tender conditions and annexure of HSE & OHSAS of tender. Failure to comply any safety norms shall attract penalty as per provision of tender.	
2.21	All above mentioned technical specifications/ scope of works must be acceptable to the bidders Any noncompliance may lead to disqualification of the bidder from participating in this tender process.	
2.22	The total quantity given in Annexure-I is indicative and may vary inter se or in total within (+/- 10%)	
<b>3.0</b>	<b>Special Terms and Conditions (ANNEXURE-IIA)</b>	
3.1	<b>NABL Sticker/Logo:</b>	

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

	Duly signed NABL stickers/ logo must be affixed by the responsible representative of the calibration laboratory / successful bidder with good quality adhesive on all calibrated instruments. Sticker / logo should have serial no., range, calibration date and calibration due date of "Instrument under calibration"	
3.2	<b>Declaration:</b> Suitably stamped and signed certificate of declaration mentioning list of serial numbers of all sensors / instruments for which calibration done on site.	
3.3	<b>Inspection:</b> To check / verify the calibration Certificate etc. as per technical specifications at BHEL HQ.  If BHEL feels that calibration certificate of any sensor / instrument need correction as per technical specifications, the calibration laboratory / successful bidder will have to make the necessary amendment and furnish fresh calibration certificate.	
3.4	<b>DELIVERY:</b> Calibration certificates shall be delivered to : Sr. DGM / Technical Services, BHEL-PSNR (HQ), PSNR & HRDI Complex, Plot No. 25, Sector-16A, Filmcity, NOIDA 201301.	
3.5	<b>Mobilization schedule:</b> The successful bidder has to mobilize the calibration experts / team (minimum two persons) along with testing machines / equipment / instruments / T&P at site within fifteen days from the date of written intimation placed by BHEL.  Failure to mobilize within stipulated mobilization schedule shall attract penalty as per Technical Specifications / Scope of works for on-site calibration.	
3.6	<b>Completion period:</b> Calibration works should not take more than fifteen days from the 1) Date of Site clearance (main items) and 2) Date of Handover of items (Optional Items).  Preparation and Submission of soft copy of NABL calibration certificates of all sensors within fifteen days from the date of leaving site by calibration expert.  NABL logo should be affixed or displayed on the calibration certificates.  Calibration certificates completed in all respects as per technical specification and in consonance with NABL accreditation must	

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

	be received at BHEL-PSNR, NOIDA office within 21 days from the date of leaving site by calibration experts.  Failure to complete the work and to delivery of the calibration certificates within stipulated completion period shall attract penalty as per Penalty Clause.	
3.7	The bidder should submit technical compliance sheet w.r.t BHEL specification in tabular format.	
3.8	NABL accredited On-site calibration services being provided by the bidder must be confirmed Or available in website of the bidder. NABL-India website should confirm the same.	
3.9	A catalogue containing technical information w.r.t NABL accredited on-site calibration service is to be submitted by the bidder during bid-submission.	
3.10	BHEL has the right to visit the premises of the bidder at any stage of bidding to judge the Capability of the bidder.	
3.11	<p><b>TERMS OF PAYMENT:</b></p> <p>100% payment (through RTGS / E-Payment) for calibration of sensors as mentioned in the order shall be payable within 30 days on receipt of invoice / bills after</p> <p>Receipt of valid calibration certificates as per tender specification and Successful completion of calibration works at site duly certified by BHEL.</p> <p><b>Note:</b></p> <p>All payments are subjects to income tax deductions, as applicable at source or as per Central Government Laws.</p> <p>No request for advance payment will be entertained by BHEL.</p> <p>The bidder should make all out efforts to provide all inputs in consultation with BHEL for completing the job in the specified time frame.</p>	
3.12	<b>TAXES AND DUTIES</b>	
3.12.1	Price quoted should be inclusive of all applicable Taxes/charges but Excluding GST. The Contractor shall pay all other taxes, fees, royalty, commission etc. which may be levied on the contractor in executing the contract. In case BHEL is forced to pay any of such taxes, it shall be recovered from Contactor's bills or otherwise as deemed fit. GST Shall be payable extra as per following :	
3.12.2	Contractor/Vendor has to issue invoice indicating HSN/SAC code, Description, Value, Rate, applicable tax and other particulars in compliance with the provisions of relevant GST Act and Rules made thereunder. With the implementation of e-way bill provisions, contractor shall comply with same as applicable.	

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

3.12.3	Vendor has to submit GST compliant invoice within seven days from the due date of invoice as per GST Law. In case of delay, BHEL reserves the right of denial of GST payment if there occurs any hardship to BHEL in claiming the input thereof. In case of goods, vendor has to provide scan copy of invoice & GR/LR/RR to BHEL before movement of goods starts. Special care should be taken in case of month end transactions.	
3.12.4	GST amount claimed in the invoice shall be released on fulfilment of all the following conditions by the Contractor : - a. Supply of goods and/or services have been received by BHEL. b. Original Tax Invoice has been submitted to BHEL. c. Respective invoice has appeared in BHEL's GSTR - 2A for the month corresponding to the month of invoice. Alternatively, BG of appropriate value may be furnished which shall be valid at least one month beyond the due date of confirmation of relevant payment of GST on GSTN portal or sufficient security is available to adjust the financial impact in case of any default by the contractor.	
3.12.5	TDS under GST laws as applicable shall be deducted. TDS/TCS under Income tax Act 1961 shall be deducted/payable, as applicable.	
3.12.6	Contractor shall be solely responsible for discharging his GST liability according to the provisions of GST Law and BHEL will not entertain any claim of GST/interest/penalty or any other liability on account of failure of contractor in complying the provisions of GST Law or discharging the GST liability in a manner laid down thereunder	
3.12.7	In case declaration of any invoice is delayed by the vendor in his GST return or any invoice is subsequently amended/alterd/deleted on GSTN portal which results in any adverse financial implication on BHEL, the financial impact thereof including interest/penalty shall be recovered from the Contactor's due payment.	
3.12.8	Any denial of input credit to BHEL or arising of any tax liability on BHEL due to non-compliance of GST Law by the Contractor in any manner, will be recovered along with liability on account of interest and penalty (if any) from the payments due to the Contactor.	
3.12.9	The admissibility of GST, taxes and duties referred in this chapter or elsewhere in the contract is limited to direct transactions between BHEL & its Contractor. BHEL is not responsible for any liability that may arise due to any transaction beyond the direct transaction between BHEL & its Contractor.	

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

3.12.10	<p><b>Variation in Taxes &amp; Duties:</b></p> <p>Any upward variation in GST shall be considered for reimbursement provided supply of goods and services are made within schedule date stipulated in the contract or approved extended schedule for the reason solely attributable to BHEL. However downward variation shall be subject to adjustment as per actual GST applicability.</p> <p>In case the Government imposes any new levy/tax on the output service/goods after price bid opening, the same shall be reimbursed by BHEL at actual. The reimbursement under this clause is restricted to the direct transaction between BHEL and its contactor only and within the contractual delivery period only. In case any new tax/levy/duty etc. becomes applicable after the date of Bidder's offer but before opening of the price Bid, the Bidder/Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of price bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.</p>	
3.12.11	<p><b>Modalities of Tax Incidence on BHEL:</b></p> <p>Where GST law permits more than one option or methodology for discharging liability of tax/ levy/ duty; the contractor shall approach BHEL before choosing any option to discharge his tax liability. BHEL shall have the right to direct the contractor to adopt the appropriate option considering the amount of tax liability on BHEL as well as procedural simplicity with regard to assessment of the liability. The option chosen by BHEL shall be binding on the contractor for discharging the obligation of BHEL in respect of the tax liability to the contractor.</p>	
3.13	<p><b>PENALTY:</b></p> <p>Time is the essence of contract and to be strictly adhered to by the bidder.</p> <p><b>Penalty for Delay in Mobilization:</b></p> <p>In the event of failure to mobilize within the stipulated time as defined in mobilization schedule, an amount equal to ¼ % [Quarter percent] of the executed value per day subject to a maximum of 10% [ten percent] of the executed value will be levied as penalty.</p> <p><b>Penalty for Delay in Completion of job:</b></p> <p>In the event of failure to complete the work within the completion period for reasons attributable to successful bidder, an amount equal to ½% [half percent] of the executed value per day subject to a maximum of 10% [ten percent] of the executed value will be levied as penalty provided the balance work is allowed to be</p>	



**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

	<p>completed by the successful bidder beyond the scheduled time of completion, which is at the discretion of BHEL. In case of delays on successful bidder's part, at any stage during the scheduled period or after, BHEL shall have the option of ensuring completion of the job by any other means at its disposal and the charges on this account shall be levied on the successful bidder. These shall be adjusted against successful bidder's bills or Security Deposit.</p> <p>However the maximum penalty cumulatively on account of Delay in Mobilization and Delay in Completion of job shall be limited to 10% [ten percent] of contract value</p> <p><b>Note:</b> Here executed value shall mean the executed value of calibration charges.</p>	
3.14	<p><b>Contract period:</b></p> <p>Contract shall be valid for a period of one year. However in case the period of the work execution exceeds beyond the period of one year same may be extended by one year on same terms and conditions on mutual agreement.</p>	

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

**Annexure-I**

<b>SR.</b>	<b>INSTRUMENT PARTICULARS</b>	<b>RANGE</b>	<b>ACCURACY</b>	<b>UOM</b>	<b>QUANTITY</b>
<b>(A)</b>	<b>PRESSURE SENSORS</b>				
1	Vacuum Transmitter	0-1 Kg/Cm <sup>2</sup>	0.1 %	Nos.	26
2	Pressure Transmitter	0-6 Kg/Cm <sup>2</sup>	0.1 %	Nos.	1
3	Pressure Transmitter	0-10 Kg/Cm <sup>2</sup>	0.1 %	Nos.	24
4	Pressure Transmitter	0-25 Kg/Cm <sup>2</sup>	0.1 %	Nos.	7
5	Pressure Transmitter	0-60 Kg/Cm <sup>3</sup>	0.1 %	Nos.	14
6	Pressure Transmitter	0-100 Kg/Cm <sup>2</sup>	0.1 %	Nos.	22
7	Pressure Transmitter	0-350 Kg/Cm <sup>2</sup>	0.1 %	Nos.	20
8	Diff. Pressure Transmitter	0-2.5 Kg/Cm <sup>2</sup>	0.05 %	Nos.	13
<b>(B)</b>	<b>TEMPERATURE SENSORS</b>				
1	RTD/PRT PT-100	0 - 350 <sup>0</sup> C	± 0.075%	Nos.	135
2	K-Type Thermocouple	0 - 660 <sup>0</sup> C	± 3/8 %	Nos.	50

**Technical Specifications / Scope of work for on-site calibration of Pressure Transmitters, Vacuum Transmitters, Differential Pressure transmitters, RTD / PRT & Thermocouples of various ranges by NABL accredited calibration laboratory.**

**ANNEXURE-II**

CALIBRATION DATA									
SR. NO.	APPLIED STANDARD PRESSURE	PRESSURE TRANSMITTER OUTPUT (UUC)					MEASUREMENT UNCERTAINTY		COVERAGE FACTOR (K)
		EQUIVALENT READING	TEST READING UUC (INCREASING)	TEST READING UUC (DECREASING)	TEST READING UUC (MEAN)	DEVIATION ALLOWED	EXPANDED UNCERTAINTY	EXPANDED UNCERTAINTY	
1									
2									
3									
4									
5									

**ANNEXURE-III**

Sr. No.	Standard Value in Deg C	(Avg.) Nominal Value (UUC)		Uncertainty in Deg C 95% C.L (+/-)	Uncertainty in $\Omega$ at 95% C.L (+/-)
		Temp. in Deg C	Resistance in Ohm ( $\Omega$ )		
1	0				
2	100				
3	200				
4	300				
5	350				

**ANNEXURE-IV**

Sr. No.	Standard Value in Deg C	(Avg.) Nominal Value (UUC)		Uncertainty in Deg C 95% C.L (+/-)	Uncertainty in mV at 95% C.L (+/-)
		Temp. in Deg C	Voltage in (mV)		
1	0				
2	350				
3	450				
4	550				
5	600				

**UNPRICED RATE SCHEDULE FOR ONSITE CALIBRATION OF  
TG PG TEST INSTRUMENTS FOR GADARAWARA PROJECT**

<b>SR.</b>	<b>INSTRUMENT PARTICULARS</b>	<b>TOTAL AMOUNT 'A'</b>
1	Total Price for total work of "Onsite Calibration of Pressure Sensors (Pressure Transmitters, Vacuum Transmitters, DP Transmitters) and Temperature Sensors (RTD and K - type Thermocouples) at BHEL PSNR Gadawara site by NABL accredited LAB and preparation and submission of NABL Calibration Certificate" as per Tender specifications.	

**Notes:**

1. Applicable GST shall be paid extra.
2. Rates offered should be inclusive all, no extra lodging, boarding or travel expenses shall be paid.
3. Bidder has to submit single amount for the complete work, on the basis of the total amount BOQ rate for each item shall be calculated as per allocation in attached BOQ.

**BOQ ALLOCATION FOR THE WORK OF ONSITE CALIBRATION OF  
TG PG TEST INSTRUMENTS FOR GADARAWARA PROJECT**

<b>SR .</b>	<b>INSTRUMENT PARTICULARS</b>	<b>RANGE</b>	<b>UOM</b>	<b>QUANTITY</b>	<b>FACTOR</b>	<b>PER UNIT RATE =FACTOR * 'A' (round up to two decimals)</b>	<b>AMOUNT (per unit rate X Quantity)</b>
<b>(A) PRESSURE SENSERS</b>							
1	Vacuum Transmitter	0-1 Kg/Cm <sup>2</sup>	Nos.	26	0.0043248		
2	Pressure Transmitter	0-6 Kg/Cm <sup>2</sup>	Nos.	1	0.0043248		
3	Pressure Transmitter	0-10 Kg/Cm <sup>2</sup>	Nos.	24	0.0043248		
4	Pressure Transmitter	0-25 Kg/Cm <sup>2</sup>	Nos.	7	0.0043248		
5	Pressure Transmitter	0-60 Kg/Cm <sup>3</sup>	Nos.	14	0.0043248		
6	Pressure Transmitter	0-100 Kg/Cm <sup>2</sup>	Nos.	22	0.0043248		
7	Pressure Transmitter	0-350 Kg/Cm <sup>2</sup>	Nos.	20	0.0043248		
8	Diff. Pressure Transmitter	0-2.5 Kg/Cm <sup>2</sup>	Nos.	13	0.0048054		
<b>(B) TEMPERATURE SENSERS</b>							
1	RTD/PRT PT-100	0 - 350 <sup>0</sup> C	Nos.	135	0.0024027		
2	K-Type Thermocouple	0 - 660 <sup>0</sup> C	Nos.	50	0.0024027		
<b>TOTAL AMOUNT IN INR 'A'</b>							

Rev 01

1<sup>st</sup> June  
2012

# FORMS & PROCEDURES

(Document No. PS:MSX:F&P)

BHARAT HEAVY ELECTRICALS  
LIMITED



**OFFER FORWARDING LETTER / TENDER SUBMISSION LETTER**  
(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

Offer Reference No:.....

Date:.....

To,

(Write Name &amp; Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : Submission of Offer against Tender Specification No: .....

I/We hereby offer to carry out the work detailed in the Tender Specification issued by Bharat Heavy Electricals Limited, Power Sector-....., in accordance with the terms and conditions thereof.

I/We have carefully perused the following listed documents connected with the above work and agree to abide by the same.

1. Amendments/Clarifications/Corrigenda/Errata/etc issued in respect of the Tender documents by BHEL
2. Notice Inviting Tender (NIT)
3. Price Bid
4. Technical Conditions of Contract
5. Special Conditions of Contract
6. General Conditions of Contract
7. Forms and Procedures

Should our Offer be accepted by BHEL for Award, I/we further agree to furnish 'Security Deposit' for the work as provided for in the Tender Conditions within the stipulated time as may be indicated by BHEL.

I/We further agree to execute all the works referred to in the said Tender documents upon the terms and conditions contained or referred to therein and as detailed in the appendices annexed thereto.

I/We have deposited/depositing herewith the requisite Earnest Money Deposit (EMD) as per details furnished in the Check List.

**Authorised Representative of Bidder**

Signature :

Name :

Address :

Place:

Date:

**DECLARATION BY AUTHORISED SIGNATORY OF BIDDER**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

---

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **Declaration by Authorised Signatory**

Ref : 1) NIT/Tender Specification No: .....  
2) All other pertinent issues till date

I/We, hereby certify that all the information and data furnished by me with regard to the above Tender Specification are true and complete to the best of my knowledge. I have gone through the specifications, conditions, stipulations and all other pertinent issues till date, and agree to comply with the requirements and Intent of the specification.

I further certify that I am authorised to represent on behalf of my Company/Firm for the above mentioned tender and a valid Power of Attorney to this effect is also enclosed.

Yours faithfully,

(Signature, Date & Seal of Authorized  
Signatory of the Bidder)

Date:

Enclosed : Power of Attorney



**DECLARATION BY AUTHORISED SIGNATORY OF BIDDER**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

---

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **Declaration by Authorised Signatory regarding Authenticity of submitted documents.**

Ref : 1) NIT/Tender Specification No: .....  
2) All other pertinent issues till date

I/We, hereby certify that all the documents submitted by us in support of possession of “Qualifying Requirements” are true copies of the original and are fully compliant required for qualifying / applying in the bid and shall produce the original of same as and when required by Bharat Heavy Electricals Limited.

I / We hereby further confirm that no tampering is done with documents submitted in support of our qualification as bidder. I / We understand that at any stage (during bidding process or while executing the awarded works) if it is found that fake / false / forged bid qualifying / supporting documents / certificates were submitted, it would lead to summarily rejection of our bid / termination of contract. BHEL shall be at liberty to initiate other appropriate actions as per the terms of the Bid / Contract and other extant policies of Bharat Heavy Electricals Limited.

Yours faithfully,

(Signature, Date & Seal of Authorized  
Signatory of the Bidder)

Date:

## NO DEVIATION CERTIFICATE

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

---

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **No Deviation Certificate**

Ref : 1) NIT/Tender Specification No: .....,

2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred NIT/Tender Specification.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions, Integrity Pact (if applicable) and acceptance to Reverse Auctioning process.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized  
representative of the bidder)

**DECLARATION CONFIRMING KNOWLEDGE ABOUT SITE CONDITIONS**  
(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

---

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **Declaration confirming knowledge about Site conditions**

Ref : 1) NIT/Tender Specification No: .....  
2) All other pertinent issues till date

I/We, \_\_\_\_\_ hereby declare and confirm that we have visited the Project Site as referred in BHEL Tender Specifications and acquired full knowledge and information about the Site conditions including Wage structure, Industrial Climate, the Law & Order and other conditions prevalent at and around the Site. We further confirm that the above information is true and correct and we shall not raise any claim of any nature due to lack of knowledge of Site conditions.

I/We, hereby offer to carry out work as detailed in above mentioned Tender Specification, in accordance with Terms & Conditions thereof.

Yours faithfully,

(Signature, Date & Seal of Authorized  
Representative of the Bidder)

Date :

Place:

### **DECLARATION FOR RELATION IN BHEL**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder failing which the offer of Bidder is liable to be summarily rejected)

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To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **Declaration for relation in BHEL**

Ref : 1) NIT/Tender Specification No: .....,

I/We hereby submit the following information pertaining to relation/relatives of Proprieter/Partner(s)/Director(s) employed in BHEL

**Tick(✓) any one as applicable:**

1. The Proprieter, Partner(s), Director(s) of our Company/Firm DO NOT have any relation or relatives employed in BHEL

OR

2. The Proprieter, Partner(s), or Director(s) of our Company/Firm HAVE relation/relatives employed in BHEL and their particulars are as below:

(i)

(ii)

Signature of the Authorised Signatory

Note:

1. Attach separate sheet, if necessary.
2. If BHEL Management comes to know at a later date that the information furnished by the Bidder is false, BHEL reserves the right to take suitable against the Bidder/Contractor.

## NON DISCLOSURE CERTIFICATE

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

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## NON DISCLOSURE CERTIFICATE

I/We understand that BHEL PS \_\_ is committed to Information Security Management System as per their Information Security Policy.

Hence, I/We M/s.....  
who are submitting offer for providing services to BHEL PS \_\_ against  
Tender Specification No:\_\_\_\_\_,  
hereby undertake to comply with the following in line with Information  
Security Policy of BHEL PS \_\_, \_\_\_\_\_

- To maintain confidentiality of documents & information which shall be used during the execution of the Contract.
- The documents & information shall not be revealed to or shared with third party which shall not be in the business interest of BHEL PS\_\_.

(Signature, date & seal of Authorized  
Signatory of the bidder)

Date:

### **BANK ACCOUNT DETAILS FOR E-PAYMENT**

(To be given on Letter head of the Company /Firm of Bidder, and **ENDORSED (SIGNED & STAMPED) BY THE BANK** to enable BHEL release payments through Electronic Fund Transfer (EFT/RTGS))

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1. Beneficiary Name :
2. Beneficiary Account No. :
3. Bank Name & Branch :
4. City/Place :
5. 9 digit M ICR Code of Bank Branch :
6. IFSC Code of Bank Branch :
7. Beneficiary E-mail ID :  
(for payment confirmation)

NOTE: In case Bank endorsed certificate regarding above has already been submitted earlier, Kindly submit photocopy of the same

**FORMAT FOR SEEKING CLARIFICATION**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name &amp; Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : **Request for Clarification**

Ref : 1) NIT/Tender Specification No: .....,

2) All other pertinent issues till date

Sl no	Reference clause of Tender Document	Existing provision	Bidder's query	BHEL's clarification
1				
2				
3				
4				
5				
6				

Yours faithfully,

(Signature, date &amp; seal of Authorized Representative of the Bidder)

**POWER OF ATTORNEY for SUBMISSION OF TENDER/SIGNING CONTRACT  
AGREEMENT (To be typed on non-judicial stamp paper of minimum Rs. 100/- and  
Notarized)**

KNOW ALL MEN BY THESE PRESENTS, that I/We do hereby make, nominate, constitute and appoint Mr ..... , whose signature given below herewith to be true and lawful Attorney of M/s..... hereinafter called 'Company', for submitting Tender/entering into Contract and inter alia, sign, execute all papers and to do necessary lawful acts on behalf of Company with M/s Bharat Heavy Electricals Ltd, Power Sector \_\_\_\_\_ Region, \_\_\_\_\_, in connection with  
.....  
.....  
..... vide Tender Specification No : \_\_\_\_\_, dated \_\_\_\_\_.

And the Company do hereby agree to ratify and confirm all acts, deeds, things or proceedings as may be lawfully done by the said attorney and by or on behalf of the company and in the name of the company, by virtue of the powers conferred herein and the same shall be binding on the company and shall have full force and effect.

IN WITNESS WHEREOF the common seal of the company has been hereunto affixed in the manner hereinafter appearing on the document.

Dated at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_

Director/CMD/Partner/Proprietor

Signature of Mr.....(Attorney)

Attested by: Director/CMD/Partner/Proprietor

Witness

Notary Public