



# Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

Power Sector, Eastern Region

BHEL BHAWAN, PLOT NO. DJ-9/1 , SECOTR II , SALT LAKE CITY , KOLKATA  
WEST BENGAL, INDIA

Phone : 033-2321 1496 FAX : 033-2321 1960

Tender Ref. No. PSER: PUR: HR: 157:110

DATE: 23/1/2016

## NOTICE INVITING TENDER

NOTE: TENDER DOCUMENT IS AVAILABLE ON WEBSITE AS DETAILED BELOW. BIDDERS INTENDING TO PARTICIPATE CAN DOWNLOAD FROM WEBSITE AND SUBMIT THEIR OFFER.

Sealed offers are invited from reputed and experienced bidders (meeting PRE-QUALIFYING CRITERIA) for the subject job by the undersigned on the behalf of BHARAT HEAVY ELECTRICALS LIMITED as per the tender document detailed below. Following points relevant to the tender may please be noted and complied with:

| SL NO | ISSUE                               | DESCRIPTION   |             |
|-------|-------------------------------------|---|-------------|
| i     | TENDER NUMBER                       | <b>PSER: PUR: HR: 157: 110 DATE: 23/01/2016</b>   |             |
| ii    | BROAD SCOPE OF JOB                  | <b>SUPPLY &amp; INSTALLATION OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE AS PER ENTIRE TENDER SPECIFICATION</b>  |             |
| iii   | DETAILS OF TENDER DOCUMENT          |   |             |
| a     | PART - A                            | PRE-QUALIFICATION CRITERIA  | Applicable. |
| b     | PART- B                             | GENERAL CONDITIONS OF CONTRACT (GCC)  | Applicable. |
| c     | PART -C                             | TECHNICAL SPECIFICATIONS AND SPECIAL CONDITIONS OF CONTRACT (SCC)   | Applicable. |
| d     | PART- D                             | TERMS & CONDITIONS OF REVERSE AUCTION   | Applicable. |
| e     | PART- E                             | PRICE SCHEDULE (ABSOLUTE VALUE).  | Applicable. |
| f     | PART- F                             | NO-DEVIATION CERTIFICATE  | Applicable  |
| g     | PART- H                             | FORMS AND PROCEDURES ETC.   | Applicable. |
| h     | ANNEXURE-A<br>ANNEXURE-B            | Suspension of Business dealings details<br>MSME certification   | Applicable  |
| iv    | Issue of Tender Documents           | From BHEL website ( <a href="http://www.bhel.com">www.bhel.com</a> & <a href="http://www.jantermanter.com">www.jantermanter.com</a> ). Tender documents can be downloaded from website till due date of submission. Start date <b>23/01/2016</b> .  | Applicable  |
| v     | DUE DATE & TIME OF OFFER SUBMISSION | Date: <b>15/02/2016</b> , Time: 15-00 Hrs.<br>Place : BHEL- Kolkata   | Applicable  |
| vi    | OPENING OF TENDER                   | Techno-commercial offer will be opened on same day <b>15/02/2016</b> at 16.00 Hours, for which bidder may depute representative. Bidders are requested to visit website for viewing Tender Change Notice (TCN) / Corrigendum etc. informing any change before submitting the tender. Bidder may depute representative to witness the opening of tender. | Applicable  |

1. Complete set of offer shall be sent to BHEL, PSER, Kolkata as per address given below as per following details. In case of voluminous document the tender may be submitted in properly bounded form. The offers

shall be sent in sealed envelopes in the manner prescribed below :

| Sl no  | Description  | No of copy         |
|--|--|--------------------|
| <b>I. COVER-I (TECHNO-COMMERCIAL BID) – in sealed envelope</b> |  |                    |
| I.a  | Offer forwarding/covering letter.  | Original & 1 copy. |
| I.b  | Duly filled-in 'No deviation certificate' as per prescribed format, signed and stamped on all pages to be placed after document under sl no I.a above.<br><b>In case of any deviation, the same should be submitted separately for technical &amp; commercial parts, indicating respective clauses of tender against which deviation is taken by bidder. The list of such deviation shall be placed after document under sl no I.a above. It shall be specifically noted that deviation recorded elsewhere shall not be entertained.</b> | Original & 1 copy. |
| I.c  | Techno-commercial offer enclosing supporting documents meeting Pre Qualifying Criteria / annexure / schedules/ drawing /BOM etc. as required in line with prescribed format. It shall be specifically noted that all documents as per above shall be indexed properly, signed and stamped on all pages..   | Original & 1 copy. |
| I.d  | All parts of tender document pertinent for the subject job including NIT together with subsequent changes in the tender in the form of TCN, correspondences etc., signed and stamped on all pages.   | 1 copy.            |
| I.e  | PART- E(ii) (Un-priced Price Schedule)– <b>un-priced but</b> mentioning only ' <b>quoted/unquoted</b> ' against each item of schedule, signed and stamped on all pages.  | 1 copy.            |
| I.f  | Any other details preferred by bidder with proper indexing.  | Original & 1 copy. |
| <b>II. COVER-II (PRICE BID/ABSOLUTE VALUE)</b>                 |  |                    |
| II.a   | Copy of offer forwarding/ covering letter (as referred in I.a).  | 1 copy.            |
| II.b   | Duly filled-in PART- E (i) (Price Schedule) together with signed preamble in separate sealed envelope.   | Original.          |
| <b>III. COVER-III (EMD).</b>                                   |  |                    |
| III.a  | Demand Draft etc. towards EMD as per instruction.  | -                  |
| <b>IV. COVER-IV</b>  |  |                    |
| a  | All THE three aforesaid covers in sealed condition shall be enclosed in this cover. This cover shall be super-scribed with (i) Cover no; (ii) Details of enclosed covers and (ii) Name of the job, tender document no. & due date of submission. <b>ALONG WITH NAME &amp; COMPLETE ADDRESS (FAX NO. CONTACT NOS) OF BIDDER.</b>  |                    |

**SPECIAL NOTE:**

- A) *Your offer & documents submitted with the offer shall be signed and stamped in each page by your authorized representative. No overwriting / correction in tender documents by bidders shall be allowed. However if correction is unavoidable, the same may be signed by authorized signatory.*
- B) *All documents / annexure submitted with the offer shall be properly annexed and placed in respective places of the offer as per enclosure list mentioned in the covering letter. BHEL shall not be responsible for any missing documents.*
2. BHEL also reserve the right to reject the bidder with unsatisfactory past performance in the execution of a contract. BHEL's decision in this regard shall be final & binding.
  3. BHEL reserves the right to accept or reject any or all offer without assigning any reasons thereof. BHEL also reserve the right to cancel the offer wholly or partly without assigning any reason thereof. BHEL also reserve the right to split the job.
  4. You are free to visit the site and study the prevailing site condition including law & order etc. before quoting (if applicable).
  5. For any clarification on the tender document, you may seek the same in writing from the office of the undersigned. Such letters should reach the office of the under signed **positively by 10/02/2016.**
  6. BHEL may decide holding pre-bid conference (PBC) with any/ all the intending bidders. On such communication from BHEL, the bidder shall ensure participation for the same at the appointed time, date and place as may be decided by BHEL.
  7. 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 by you in writing for such clarifications before you submit your bid; otherwise, more stringent requirements as may be interpreted by BHEL shall prevail and shall be binding on you.
  8. **The Price Bids of only those bidders will be opened, who will qualify for the subject job on the basis of pre-qualification evaluation & Techno-Commercial bids etc. BHEL reserves the right to reject the bidders with unsatisfactory past performance in the execution of a contract. BHEL's decision in this regard shall be final & binding.**
  9. While BHEL reserves the right to open the price bid of the offers in camera. The date & time to open the tender opening shall be intimated to the bidders in case BHEL decides it to be 'Public opening' and in such a case, one authorized representative of the bidder shall be allowed to attend.
  10. Taxes & Duties as per details given in Part-B.
  11. **Tender document containing above mentioned Parts shall be signed & stamped in all pages including this covering letter. Price bid shall be furnished in the format (Part-E) enclosed with the tender.**
  12. BHEL reserves the right to go for REVERSE AUCTIONING (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. As bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.  
In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders

who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'online sealed bid' in the Reverse Auction. Non-submission of 'online sealed bid' by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue. Information and General Terms and conditions of RA is attached in PART-D.

Reverse Auction is the type of auction typically conducted to buy goods / items over Internet in which the lowest price bidder wins. In case, the bidders are willing to know further details about the methodology, they may please contact AGM / PUR or AGM / IT, BHEL, Kolkata.

However, if reverse auction process is not adopted or is unsuccessful as defined in the RA rules/procedures, or for whatsoever reason, then the sealed 'PRICE BIDS' will be opened for deciding the successful bidder. BHEL's decision in this regard will be final and binding on bidder.

Bidders are requested to note that the accepted / agreed tender terms (technical, commercial or on Reverse Auction) in their original offer can not be altered / withdrawn by their own during the processing of tender. Bidders are required to submit best price bid in a separate sealed cover (COVER-II) along with techno-commercial bid (COVER-I) as indicated above.

13. **"The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site [www.bhel.com](http://www.bhel.com)".**
14. **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.**
15. The bidder shall submit documents in support of possession of 'Pre-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 (if applicable).
16. Bidders are requested to note that the accepted / agreed tender terms (technical, commercial or on Reverse Auction) in their original offer cannot be altered / withdrawn by their own during the processing of tender.
17. The bidder may have to produce original document for verification if so decided by BHEL.
18. Suspension of Business dealings: BHEL reserves the right to take action against contractors who fail to perform or indulge in malpractices, by suspending business dealings with them as detailed in Annexure-A.
19. "MSE suppliers can avail the intended benefits only if they submit along with the offer:  
**Attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM II) or Valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -B where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited).** Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents

should be notarized or attested by a Gazetted officer. "

Any Bidder falling under MSME category, shall furnish the following details & submit documentary evidence/Govt. Certificate etc. in support of the same along with their techno-commercial offer

| Type under MSME | SC/ST owned | Others |
|-----------------|-------------|--------|
| Micro           |             |        |
| Small           |             |        |
| Medium          |             |        |

**Note: - If the bidder does not furnish the above, offer shall be processed construing that the bidder is not falling under MSME category.**

20. 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:

- i) Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL.
- ii) Notice Inviting Tender (NIT)
- iii) Price SCHEDULE – (Part-E)
- iv) Technical Specification & Special Condition of Contract (SCC) – (Part-C)
- v) General Conditions of Contract (GCC) — (Part-B)

| Agency                 | Contact details |  |
|------------------------|-----------------|--|
| BHEL, PSER,<br>Kolkata | Address         | DJ-9/1, Sector – II, Salt Lake, Kolkata – 700 091                  |
|                        | Phone no        | 033-2321 6493 (D)/ 1690,EPABX – 23216130, 34, 35; Extension – 3225 |
|                        | FAX no          | 033-23211960   |
|                        | E-mail          | <a href="mailto:malini@bhelpser.co.in">malini@bhelpser.co.in</a>   |

*All the bidders are requested to note that all the errata / technical clarifications / corrigendum / extension etc shall be published in this web page only. As such, all the bidders are requested to be in continuous touch with this web page.*

Thanking you,  
Yours faithfully,  
For BHARAT HEAVY ELECTRICALS LTD

**Sr. Engineer / (Purchase)**

**PART-A: PRE-QUALIFICATION CRITERIA**

|                  |  |
|------------------|--|
| <b>JOB</b>       | <b>SUPPLY &amp; INSTALLATION OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE AS PER ENTIRE TENDER SPECIFICATION.</b>  |
| <b>TENDER NO</b> | <b>PSER: PUR: HR: 157: 110 DATE: 23/01/2016</b>  |
| 1.0              | <p>BIDDER SHOULD HAVE AVERAGE ANNUAL TURN OVER OF MINIMUM RS.1.19 LAKH (RUPEES ONE LAKH NINETEEN THOUSAND ONLY) IN LAST 03 (THREE) FINANCIAL YEARS, ENDING ON 31<sup>ST</sup> MARCH 2015 AND MUST HAVE EARNED PROFIT IN ANY ONE OF LAST 03 (THREE) FINANCIAL YEARS, ENDING ON 31-03-2015 &amp; SHOULD HAVE POSITIVE NET WORTH AS ON 31-03-2015. AUDITED BALANCE SHEET AND PROFIT &amp; LOSS ACCOUNT OF THE COMPANY NEED TO BE SUBMITTED FOR LAST THREE (03) FINANCIAL YEARS ENDING ON 31-03-2015 IN SUPPORT OF THIS REQUIREMENT. IF AUDIT IS NOT MANDATORY AS PER SECTION- 44AB OF IT ACT. THEN BIDDER MAY SUBMIT SELF ATTESTED UNAUDITED PROFIT &amp; LOSS A/c, BALANCE SHEET AND ACKNOWLEDGEMENT OF IT RETURN FORM DULY RECEIPTED BY IT DEPARTMENT ALONG WITH COMPUTATION SHEET FOR ARRIVING AT TAXABLE INCOME BASED ON WHICH TURNOVER CAN BE DETERMINED FOR THE PERIOD MENTIONED ABOVE.</p> <p>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 STATEMENT HAVE NOT BEEN SUBMITTED FOR ALL THE THREE YEARS THEN THE APPLICABLE AUDITED STATEMENT SUBMITTED BY THE BIDDERS AGAINST THE REQUISITE THREE YEARS, WILL BE AVERAGE FOR THREE YEARS.</p> |
| 2.0              | THE BIDDER SHOULD HAVE EXPERIENCE OF ATLEAST ONE COMPLETED SIMILAR WORK (i.e. SUPPLY & INSTALLATION OF PUBLIC ADDRESS SYSTEM) AT LEADING PSUs/STATE GOVERNMENTS/CENTRAL GOVERNMENTS/REPUTED COMPANIES, WITHIN THE LAST 07 YEARS ENDING ON LATEST DUE DATE OF SUBMISSION IN LINE WITH THE ABOVE.  |
| 3.0              | BIDDER SHOULD HAVE VALID PAN (PERMANENT ACCOUNT NUMBER).   |
| 4.0              | <p>A) BIDDER MUST HAVE VALID TIN/VAT/CST REGISTRATION.</p> <p>B) SERVICE TAX REGISTRATION FOR THOSE BIDDERS WHO HAVE GROSS TAXABLE TURNOVER MORE THAN RS 10 LAKH.</p>  |
| 5.0              | CONSORTIUM BIDDING IS NOT ALLOWED.   |

BIDDER SHALL SUBMIT ALL RELEVANT SUPPORTING DOCUMENTS

**NOTE:**

THE BIDDER WHO MEETS THE ABOVE PRE-QUALIFICATION CRITERIA CAN ONLY PARTICIPATE IN THE SUBJECT TENDER.

**PART – B: GENERAL CONDITIONS OF CONTRACT (GCC)**

| SL. NO. | BHEL STANDARD TERMS  | Supplier confirmation |
|---------|--|-----------------------|
| 01      | <p>Our requirement is for <b>capital</b> use and <b>will be used at BHEL PSER-HQ FOR POWER SECTOR</b><br/>Offers are invited to submit in three-parts.</p> <p><b>Part-I : TECHNICAL-CUM-COMMERCIAL AND UN PRICED BID</b> : Consisting of complete technical details, catalogues, drawings and all commercial terms. (Money values shall not be indicated i.e; un price bid).</p> <p>Following formats are to be filled and submitted in a single cover super scribing as Technical - cum - Commercial and Un Priced Bid, Tender Enquiry No. and Due Date. :-</p> <ul style="list-style-type: none"> <li>(i) EMD, if any, as per tender. Please arrange to submit EMD in a separate sealed envelope inside the envelope containing techno-commercial bid i.e PART-I of tender, if applicable.</li> <li><b>(ii) Technical Specification details confirming to technical specification (PART C OF TENDER) &amp; Catalogues to be enclosed (if any)</b></li> <li>(iii) BHEL Standard Terms &amp; Conditions(PART-B)</li> <li>(iv) Un Price Bid (PART E(ii))</li> <li>(v) Confirmation of pre-qualification criteria and relevant documents in support of the same.</li> </ul> <p>All documents to be downloaded from our BHEL Web Site i.e. www.bhel.com or www.jantermanter.com).</p> <p><b>PART- II : PRE-Q</b> : All PRE-Q documents to be submitted .</p> <p><b>Part-III : PRICE BID</b> Price to be quoted in the format enclosed. (Any preconditions for price will not be accepted and the tender will be rejected).</p> <p>Techno-commercial &amp; Pre- Q bids shall be opened first &amp; afterwards price bid shall be opened for qualified bidder, who have qualified in Techno-commercial &amp; pre-q bid . <u>If the vendor submits offer i.e. Technical &amp; Price bid together, the offer shall be liable for rejection.</u></p> <p><u>Note : In order to maintain sanctity of the tender system, it is advised that one Agent cannot represent two suppliers or quote on their behalf in a particular tender</u></p> <p><u>In the tender, either one agent on behalf of the principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for same item/product.</u></p> |                       |
| 02      | If any vendor sought to quote through their agents "They have to inform to BHEL in advance, before opening date. Other wise the offer will be treated as Unsolicited Offer and same will not be opened".   |                       |
| 03      | <p>BHEL keeps its right to <b>reject / load</b> any offer which is having deviations to BHEL Specifications, Standard Terms &amp; Conditions.</p> <p>All the bidders shall submit their offers only by filling the original BHEL tender documents. No other offer will be entertained.</p> <p>In case of Technical-Cum-Commercial bid, copy of the price bid has to be used to indicate commercial terms without price.</p>  |                       |
| 04      | The equipment offered shall be strictly conforming to the specification and for complete unit.   |                       |
| 05      | No offer for individual accessories or part machinery will be accepted.  |                       |

| SL. NO. | BHEL STANDARD TERMS  | Supplier confirmation |
|---------|--|-----------------------|
| 06      | <p><b><u>TERMS OF PAYMENT:</u></b><br/> AS PER TECHNICAL SPECIFICATIONS &amp; SCC (PART-C).<br/> No advance shall be paid.<br/> <b>Paying Authority: HEAD/FINANCE, BHEL-PSER, KOLKATA.</b><br/> Payment shall be paid through e-payment mode. Successful bidder shall have to submit the requisite details in RTGS format.</p>   |                       |
| 07      | <p><b><u>WARRANTY</u></b> : AS PER TECHNICAL SPECIFICATIONS &amp; SCC (PART-C).</p>  |                       |
| 08      | <p><b><u>DELIVERY</u></b> :<br/> AS PER TECHNICAL SPECIFICATIONS &amp; SCC (PART-C).</p>   |                       |
| 09      | <p><b><u>ENVIRONMENTAL</u></b><br/> NOT ENVISAGED</p>  |                       |
| 10      | <p><b><u>DISCOUNTS</u></b><br/> Discounts offered by the vendor in price shall not be entertained by BHEL. The vendor should factor in his discount in the price offer only. In spite of the same, if a discount is offered by the bidder, the same shall not be considered for evaluation of the offer, but purchase order shall be issued on bidder's final discounted price.</p>  |                       |
| 11      | <p><b><u>TERMINATION CLAUSES:</u></b><br/> BHEL has a right to cancel the order for delay in supply beyond penalty period without any monetary or legal obligations.<br/> Obtaining the Export / Import License, if any required is the responsibility of the supplier. In case of delay in supplying the equipment in time, due to this reason, BHEL has a right to cancel the order without any monetary / legal obligation. To this extent supplier has to give the confirmation.</p>   |                       |
| 12      | <p><b><u>LIQUIDATED DAMAGE (LD) :</u></b><br/> a) The rate of penalty for delayed Supply shall be @0.5% per week of delay of total PO value (Supply + Installation) in Supply subject to maximum of 10% of total PO value (Supply + Installation).<br/> b)The rate of penalty for delayed Installation shall be @0.5% per week of delay of total PO value (Supply + Installation) in Installation subject to maximum of 10% of total PO value (Supply + Installation).<br/> c) Maximum penalty for delay in Supply &amp; Installation together shall be limited to 15% of total PO value (Supply + Installation).<br/> d) In case PO includes more than one machine, the penalty shall be @0.5% per week of delay on total PO value (Supply + Installation) for the delayed machine.</p> |                       |

| SL. NO. | BHEL STANDARD TERMS  | Supplier confirmation |
|---------|--|-----------------------|
| 13      | <p><b><u>PERFORMANCE BANK GUARANTEE (PBG):</u></b></p> <p>The successful tenderer should furnish a performance bank guarantee for an amount of 10% of the order value prior to Installation (Installation as per Technical Specification &amp; Special terms &amp; conditions of Contract (PART-C)) valid till completion of the guarantee period. PBG shall be kept valid for entire warranty period plus 30 days.</p> <p><b>"The original bank guarantee shall be sent directly by bank to BHEL under Registered Post (A.D.)."</b></p>   |                       |
| 14      | <p>The sealed tenders superscribing tender number and due date should be <b>addressed to</b> Dy. General Manager / PUR, Bharat Heavy Electricals Limited, PSER, DJ-9/1, SALT LAKE. SECTOR-II, KOLKATA - 700 091, India.</p>  |                       |
| 15      | <p><b><u>INSPECTION</u></b> : Details shall be as per PART-C</p> <p>BHEL will have the option to inspect with conducting of Load/Overload Test etc. the equipment at supplier's works before delivery. The final inspection / performance checking will however be carried out at our site Bidder must submit quality plan within one month from the date of PO, to BHEL for its approval.</p>   |                       |
| 16      | <p>The manufacturing <b>progress</b> will have to be furnished to us periodically in the form and manner required by us.</p>   |                       |
| 17      | <p>Supplier must submit with their offer <b>list of customers</b> (with their full address and their purchase reference number) to whom they have supplied similar machine in the past five years. The year of supply should also be indicated.</p>  |                       |
| 18      | <p>The quotation should be <b>valid at least for a period of 90 days</b> from the tender due date of submission (extended, if any). Price Variation Clause will not be entertained.</p>  |                       |
| 19      | <p><b><u>FORCE MAJEURE</u></b> :</p> <p>The vendor shall be subject to force majeure clause defined as under :</p> <p>This force majeure is herein defined as any cause which is beyond the control of the tenderer which they would not have foreseen or with a reasonable amount of diligence could not have foreseen and which subsequently affect the performance of the contract such as SRCC (strike riot and civil commotion), earthquake, flood, acts of god, acts of any government, domestic or foreign including but not limited to war.</p> <p>The tenderer shall not be liable for delay in performing his obligation resulting from any force majeure clause as referred to and/or defined above. The date of completion will be subject to hereinafter provided be extended by a reasonable time even though such cause may occur after tenderer's performance of his obligation has been delayed for other causes.</p> |                       |

| SL. NO. | BHEL STANDARD TERMS  | Supplier confirmation |
|---------|--|-----------------------|
| 20      | <b><u>ARBITRATION :</u></b><br>In the event of any dispute or difference arising between the parties to this contract regarding execution of the same or their respective rights and liabilities there under, the same shall except as otherwise expressly provided therein, be referred to the arbitration of sole arbitration of General Manager, BHEL, PSER, Kolkata or any other person nominated by him and provisions of the "The Arbitration and Conciliation Act ,1996" of India or any statutory notification or re-enactment therefore and rules framed there under from time to time shall apply to such arbitrations. The decision of arbitrator shall be binding both on seller and purchaser. The venue of arbitration shall invariably be Kolkata, India. |                       |
| 21      | <b><u>JURISDICTION :</u></b><br>All disputes or differences arising under out of or in connection with the purchase order shall be subject to the exclusive jurisdiction of court at Kolkata.  |                       |
| 22      | <b><u>RISK PURCHASE :</u></b><br>Alternatively, the purchaser at his option, will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefore. The seller shall be liable for any loss which the purchaser may sustain by reason of such risk purchase in addition of LD at the rate mentioned in LD clause.  |                       |
| 23      | <b><u>CONSIGNEE DETAILS OF THE EQUIPMENT :-</u></b><br>AS PER TECHNICAL SPECIFICATIONS & SCC (PART-C).<br><br>All documents / correspondences must bear the Tender no. / Purchase Order No. & Date.  |                       |
| 24      | <b><u>LOADING:</u></b>   |                       |
| (i)     | Bank Guarantee : Non submission of 10% BG will attract 10% loading on the offers.  |                       |
| (ii)    | <b><u>Penalty Clause</u></b> : Non acceptance of penalty clause will attract maximum 10% loading on the offer and accordingly proportionate percentage will be loaded for accepting less percentage of penalty clause. Ex : If the supplier has accepted for maximum 5% penalty clause, then balance 5% will be loaded.  |                       |
| (iii)   | For all other Terms & Conditions, if the offer is not confirming to the same, BHEL at its discretion shall load the same and the loading pattern shall be intimated to the bidders before price bid opening. However BHEL reserves the right to cancel a bid in case of non-acceptance of any terms and conditions finally arrived before price bid opening.   |                       |
| 25      | <b><u>Note</u></b> : The offers not complying the above Terms & Conditions will not be accepted.   |                       |

**Note:**

01. In case of any conflict / inconsistency in any clause of the tender or between various sections of the tender, bidder should bring the same in writing to BHEL for clarification before submission of the bid, failing which the most stringent interpretation of the clause in favour of BHEL shall be adopted and the same shall be binding to the bidder.
02. Any deviation sought by the bidder should be indicated in the techno-commercial offer.
03. Bidder should write "accepted" in the column "supplier confirmation" for each clause, if the conditions are agreeable or else should write the deviations sought in "deviation" column.
04. If any clause left blank, shall be presumed that the clause is accepted by the bidder.

SIGNATURE OF THE BIDDER WITH SEAL AND DATE

**PART-C:SCC-TECHNICAL SPECIFICATIONS AND SPECIAL TERMS AND  
CONDITIONS OF CONTRACT**

**❖ SCOPE, SPECIAL TERMS AND CONDITIONS OF THE CONTRACT :-**

|     |   |
|-----|---|
| 1.0 | <b><u>NAME OF THE WORK :</u></b><br>SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE.   |
| 2.0 | <b><u>SCOPE OF WORK :</u></b>   |
| 2.1 | Supply, installation, testing and commissioning of Public Address System at BHEL BHAVAN, 9/1, DJ Block, Sector-II, Salt Lake, Kolkata-700 091.  |
| 2.2 | Supply, Installation, Testing & Commissioning of 01 no. 500 watts, AC/DC Operation Mixer Amplifier at suitable place of BHEL Bhavan with due discussion of concerned BHEL Official.   |
| 2.3 | Supply, Installation, Testing & Commissioning of 01 no. 250 watts, AC/DC Operation Mixer Amplifier at a suitable place of Ground floor of BHEL Bhavan with due discussion of concerned BHEL Official.   |
| 2.4 | Supply, Installation, Testing & Commissioning of 01 no. 8 Channel Zone Mixer at suitable place of BHEL Bhavan with due discussion of concerned BHEL Official.   |
| 2.5 | Supply, Installation, Testing & Commissioning of 4 inch (100mm) 20W driver power high quality flush mount Ceiling Speaker with stylish grill and frame at all floors of BHEL Bhavan with speaker cable..  |
| 2.6 | Supply, Installation, Testing & Commissioning of 15W high quality & high efficiency Horn type Speaker at ground floor of BHEL Bhavan with copper speaker cable.   |
| 2.7 | Supply, Installation, Testing & Commissioning of 6W/100V Volume Controller at Head of Unit's chambers of 1 <sup>st</sup> floor at BHEL Bhavan.  |
| 2.8 | Supply, Installation, Testing & Commissioning of Dynamic Cardioid microphone with microphone cable at suitable places of BHEL Bhavan with due discussion of concerned BHEL Official.  |
| 2.9 | Technical specifications of all items are mentioned in Annexure-I.  |
| 3.0 | <b><u>SPECIAL TERMS AND CONDITIONS :</u></b>  |
| 3.1 | The Scope of Work includes supply of all labour, technical personnel, materials and equipment for execution of work and getting necessary testing done, submitting test report, arranging supervision etc. and execution of the contract with major areas of works, detailed in this tender.  |
| 3.2 | During the course of operation, if any unforeseen obstruction is encountered, due to which, shifting/re-work of the job is required, the quoted price shall deemed to have taken into account of all such additional implications and BHEL shall not pay or reimburse any additional amount for such jobs.  |
| 3.3 | The Vendor will have to follow the provision of all local bye-laws/ Acts relating to work and to the regulations and bye-laws etc. of the Government and local authorities.   |
| 3.4 | All consumables, tools & tackles required for the job shall be arranged by the contractor at his own cost.  |
| 3.5 | Necessary Test Certificates of all the materials, wherever applicable, supplied by the contractor are to be inspected by BHEL Official prior to use of the same. Any material, which in opinion of BHEL is not confirming tender specification, IS Code or relevant standards aboard in practice; vendor shall forthwith remove such material from the site |

|      |   |
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|      | premises at his own cost. Vendor also shall replenish such material forthwith so that progress of the works in no case is affected for such rejection of material(s) by BHEL.   |
| 3.6  | All T&Ps, lifting tackles, pulling devices to deploy by the contractor, must bear valued/latest test certificates for their suitability and documents shall be preserved at site. Relevant copies shall be submitted to BHEL, for record purpose.   |
| 3.7  | Vendor should bear in mind that services to be rendered are to be of the best quality and to the satisfaction of BHEL Official and accordingly, the manpower is to be deployed by the contractor. The Vendor is advised to visit and inspect the site before quoting their rates.   |
| 3.8  | The Vendor will ensure quality of work as per standard practice as per specifications and to the entire satisfaction of BHEL and will attend any problem of any nature whatsoever relating to the said PA System promptly. If situation so demands, the contractor will have to extend the services round the clock as and when required by call over telephone and should respond quickly within the shortest possible time to attend to any fault relating to the work detailed under "Scope of Work" |
| 3.9  | The Vendor shall ensure that the manpower while at work is maintaining proper safety precautions. The contractor at their own cost shall insure their workmen against loss of life, injuries and other related hazards in compliance with Employee's Compensation Act and any other Act as applicable.  |
| 3.10 | The contractor shall be liable to make good all damages, breakages etc. resulting from negligence of their workmen at their own cost.   |
| 3.11 | Successful vendor will not be allowed to sublet the contract to any other vendor/agency unless specifically mentioned elsewhere in contract.  |
| 3.12 | <b><u>ELECTRICITY</u></b><br>BHEL shall provide free electricity for the construction purpose including illumination of the area of work. The contractor has to make necessary arrangement for drawing electricity from point to the starters.  |
| 3.13 | <b><u>ISSUE OF MATERIALS</u></b><br>No materials will be issued by BHEL for use in the work covered in this contract. It will be the responsibility of the Contractor to procure and supply all such materials from reputed vendor of such quality as acceptable to BHEL at his own cost and safely store the same, in his stores at the work site as per standard norms stipulated by the Indian Standards.  |
| 3.14 | <b><u>CERTIFICATE TOWARDS COMPLETION</u></b><br>The work under the scope of the contractor will be deemed to be completed in all respect only when it is certified by BHEL Engineer. The decision of BHEL shall be final and binding on the contractor.   |
| 3.15 | <b><u>REMOVAL OF DEBRIS ETC</u></b><br>All unused materials, debris and other materials which are beyond use shall be disposed of beyond the boundary wall at suitable location to be decided by the contractor as per local statutory rules and regulations. No separate payment shall be made in this regard to the contractor by BHEL, under any circumstance.<br>Vendor to take specific note that while disposing off such materials beyond the  |

|      |  |
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|      | boundaries of the project site, the systems, procedures and norms enforced by the Municipality Authority shall have to be strictly adhered to at no extra cost to BHEL.  |
| 3.16 | <p><b><u>WARANTY</u></b></p> <p>Even though the work will be carried out under supervision of BHEL Officials, the contractor will be responsible for the quality of workmanship &amp; quality of material/items for the job.</p> <p>The contractor shall guarantee the work executed under the scope of this contract for a period of 12 (twelve) months from the date of completion of total works as certified by BHEL Engineer. In case the contractor fails to repair/replace the defective works within the time specified by the Engineer, BHEL may proceed to undertake the repairs/replace such defective works at contractor's risk and cost without prejudice to any other rights and recover the same from the bank guarantees /other dues.</p> |
| 4.0  | <b><u>QUANTITY VARIATION :</u></b>   |
| 4.1  | The quantity under the scope of for supply & installation of PA system as per tender specification, given in the scope are provisional and may vary to any extent at the time of Execution of work. However, the quoted rates shall remain firm for the entire period of contract including extension (if any) for variation in total contract value within (+10%) & (-10%).   |
| 5.0  | <b><u>DURATION OF CONTRACT :</u></b>   |
| 5.1  | The duration of this contract will be for a period of 60 (Sixty) days from the date of commencement of work.   |
| 6.0  | <b><u>COMMENCEMENT OF WORK :</u></b>   |
| 6.1  | The contractor shall commence the work within the time indicated in the Letter of Intent from BHEL and shall proceed with the same with due expedition without any delay.  |
| 6.2  | If the successful Bidder fails to start the work within the stipulated time, BHEL at its sole discretion will have the right to cancel the contract. His earnest money and/or security deposit with BHEL will stand forfeited without any further reference to him without prejudice to any and all of BHEL's other rights and remedies in this regard.  |
| 7.0  | <b><u>PAYMENT TERMS :</u></b>  |
| 7.1  | All payment due to the contractor shall be paid through Account Payee Cheque/RTGS only.  |
| 7.2  | Payment shall be made on item rate basis.  |
| 7.3  | 80% payment of Supply value shall be made within 45 days from the date of receipt of material at BHEL. Balance 20% of supply value plus 100% of the Installation, testing & commissioning portion of PO value will be paid against Job Completion Certificate issued by BHEL and submission of Performance Bank Guarantee (PBG) valid for 30 days beyond the warranty period by Supplier from any of the Consortium Banks of BHEL for 10% of total PO Value in the prescribed Format. The PBG confirmation charges shall be borne by vendor.   |
| 7.4  | All payments will be made to the contractor after deduction of Income Tax at source as applicable and prescribed under Income Tax Act/Rules from time to time.   |
| 7.5  | All payment to the contractor will be made in Indian Currency only.  |
| 8.0  | <b><u>TAXES :</u></b>  |

TDS under Income Tax, VAT etc, shall be deducted at prevailing rates on Gross Invoice Value from the running bills unless Exemption Certificate from the appropriate authority/ authorities is/ are furnished

**WORKS CONTRACT TAX / VAT** :All taxes excluding Service Tax with Swachh Bharat Cess , Works Contract Tax under state VAT Act, charges royalties, duties, Octroi, Cess, any State or Central levy and other taxes for materials obtained for the work and for the execution of the contract shall be borne by the contractor and shall not be payable extra.

Any increase of the same at any stage during execution of the contract shall have to be borne by the contractor. Quoted/ accepted rates/ price shall be inclusive of all such requirements after taking the Input Credit, if any, as per provisions of the State VAT Act. The contractor is responsible to furnish all documentary evidences towards payment of Works Contract Tax as & when required by BHEL. Submission of Tax Invoice is a **must** after Grossing up the Bills as the price is inclusive of VAT

The Bidder must note that Bidder is required to provide us **Tax -Invoice wherein VAT TAX on Materials used / consumed must appear with applicable Tax rate** . In other words , Tax Invoice would clearly show vivisection of Materials and Services value separately ..

The Bidder has to make their own arrangement at their cost for completing the formalities, if required, with State VAT Act Authorities, for bringing their materials, plants & machinery at site for execution of the works under this contract, Road Permit/ Way Bill, if required, shall be arranged by the contractor and BHEL will not supply any Road Permit/ Way Bill for this purpose. The contractor must be a Registered Dealer with the Sate VAT Act, if not registered yet and a copy of the said Registration Certificate along with TIN number must be provided to site RAO/ BHEL .

**Service Tax** :The subject service is "works contract" as per Sec. 65B (54) of the Finance Act, 1994. Service Tax along with Sawach Bharat Cess , as legally leviable & payable by vendor under the above provisions of Finance Act, 1994 shall be reimbursed by BHEL on production of G.A.R-7 Challan

In case Service Tax is payable by BHEL under reverse charge mechanism vide Notification No. 30/2012-Service Tax dtd. 20-06-2012, shall be paid separately by BHEL @ 50 % as per law .

The Bidder shall issue invoice complying with Rule 4A of the Service Tax Rules 1994. The invoice shall indicate the name, address and the registration number (PAN Based STC No.) of the Bidder; the name and address and the registration number(**AAACB4146PST005**) of BHEL-P.S.E.R .; the description and value of taxable service provided; and the service tax payable thereon by the Bidder. Copy of the same enclosed for ready reference

You shall furnish proof of Service Tax registration (ST-2) with Central Excise Division covering the Services . Registration should also bear endorsement for the premises from

|      |  |
|------|--|
|      | <p>where the billing shall be done by you on BHEL for this Project.</p> <p>BHEL will not be held to be responsible for non-compliance of various Service Tax Rules, being framed from time to time.</p> <p>Rule 2A. Determination of Value of Service Portion in the execution of a Works Contract vide Notification 24/2012 S.,T dated 06.06.2012 .</p> <p>Subject to the provisions of Section 67 , the value of Service portion in the execution of Works Contract , referred to in clause ( h) of Section 66E of the Act , shall be determined in the following manner , namely ;</p> <p>i) Value of Service portion in the execution of Works Contract shall be equivalent to the Gross amount charged for Works Contract <b>less</b> the value of property in goods transferred in the execution of Works Contract.</p> <p>Hence , the Bidder should take note of <b><u>Service Tax Liability on the Services Portion only</u></b> .</p> <p>Point of Taxation Rule, 2011 has come into operation from 01-04-2011. As per the rule Invoice must be generated within 30 days from the date of completion of service. In such case, the date of invoice will be the relevant date. However, if the invoice is not generated within 30 days as stated above, the date of completion of service shall be the relevant date.</p> <p>Vendors must take adequate care and cautions w.r.t “Point of Taxation Rule,2012” as otherwise both the Vendors ( for non-compliance ) will suffer.</p> <p>New tax &amp; duties, if imposed subsequent to latest due date of offer submission, by statutory authority during contract period (including extension, if the same is not attributable to the vender), shall be reimbursed by BHEL on production of relevant supporting document to the satisfaction of BHEL. However, vender shall obtain prior approval from BHEL before depositing new taxes and duties. No reimbursement shall be made on account of increase in rates of existing taxes, duties etc (as on latest date of offer submission).</p> |
| 9.0  | <b><u>DELIVERY SCHEDULE:</u></b>   |
| 9.1  | Vendor has to complete the supply, installation, testing, commissioning & completion of the total job within 60 Days from the date of placement of PO & clearance from BHEL.   |
| 9.2  | Late delivery/penalty or down time is applicable as per BHEL standard terms.   |
| 9.3  | Way bill may be given for Delivery of the Materials (if needed).   |
| 10.0 | <b><u>Liquidated Damage :</u></b>  |
| 10.1 | AS PER GCC   |
| 11.0 | <b><u>RIGHTS OF BHEL :</u></b>   |
|      | BHEL reserves the following rights in respect of this contract without entitling the contractor for any compensation :-  |

|      |   |
|------|---|
| 11.1 | To terminate the contract any time by giving one month's notice without assigning any reasons thereof.  |
| 11.2 | To recover any money due from the contractor on any account due to the contractor, under this contract or any other contract or from Security Deposit.  |
| 11.3 | To effect recovery of any amount due from the contractor under this or any other contract etc. or in any other form, the sum money BHEL is forced to pay anybody due to contractor's failure to fulfill any of his obligations. |
| 11.4 | In the event of any dispute of any nature, the decision of BHEL shall be final and binding on the contractor.   |
| 11.5 | CONSIGNEE & PLACE OF DELIVERY:-<br>ADMINISTRATIVE OFFICER,HR DEPARTMENT, BHEL:PSER:KOLKATA OFFICE , BHEL BHAWAN,SECTOR – II, BLOCK – DJ 9/1KARUNAMOYEE, SALT LAKE, KOLKATA – 91.  |

**Tenderers are requested to specifically confirm these payment terms in their technical offer.**

**Annexure-I****Technical Specifications**

## 1) Mixer Amplifier :

|   |   |
|---|---|
| Power Supply                              | AC: 240V 50/60Hz; DC:36V  |
| Rated Power(at THD 10%, 240VAC, 1kHz, 4Ω) | 500W  |
| DC Power Supply Output Power              | ≥50% rated power  |
| Tone Controls                             | Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz  |
| DC Power supply wire                      | 2 x (≥16AWG) Cables   |
| Input Wire                                | 6 x Mic 0.7mV/ 600Ω, balanced TRS<br>2 x Aux 100mV/ 10kΩ, RCA Pair<br>1 x Line 1V/ 10kΩ, balanced TRS |
| Output Wire                               | 1 x Preamp(adjustable 0~200mV)/ 600Ω, balanced TRS<br>1 x Line Out 1V/ 1kΩ, balanced TRS              |
| Speaker Output                            | 4Ω/ 8Ω & 70V/100V , Barrier Strip(with touch proof cover)   |
| Frequency Response                        | 50-15, 000Hz ±3dB   |
| Output Regulation                         | ≤3dB, no load to full load at 1kHz  |
| Signal to Noise Ratio                     | ≥70dB   |

## 2) Mixer Amplifier :

|   |   |
|---|---|
| Power Supply                              | AC: 240V 50/60Hz; DC:24V  |
| Rated Power(at THD 10%, 240VAC, 1kHz, 4Ω) | 250W  |
| DC Power Supply Output Power              | ≥50% rated power  |
| Tone Controls                             | Bass: ±10dB at 100Hz, Treble: ±10dB at 10kHz  |
| DC Power supply wire                      | 2 x (≥16AWG) Cables   |
| Input Wire                                | 6 x Mic 0.7mV/ 600Ω, balanced TRS<br>2 x Aux 100mV/ 10kΩ, RCA Pair<br>1 x Line 1V/ 10kΩ, balanced TRS |

|                       |  |
|-----------------------|--|
| Output Wire           | 1 x Preamp(adjustable 0~200mV)/ 600Ω, balanced TRS<br>1 x Line Out 1V/ 1kΩ, balanced TRS |
| Speaker Output        | 4Ω/ 8Ω & 70V/100V , Barrier Strip(with touch proof cover)                                |
| Frequency Response    | 50-15, 000Hz ±3dB  |
| Output Regulation     | ≤3dB, no load to full load at 1kHz   |
| Signal to Noise Ratio | ≥70dB  |

## 3) 8-Channel 3-Bus Mic/ Line Zone Mixer with Remote Control &amp; Link Ports:

|                                   |  |
|-----------------------------------|--|
| Inputs 1-6                        |  |
| Type                              | Euro-type connector, Electronically Balanced |
| Impedance                         | 3kΩ balanced, 1.5kΩ unbalanced(with PAD)     |
| Max. Input level                  | +12dBu(with PAD)                             |
| Max. gain                         | 40dB   |
| Crosstalk                         | >63dB@1kHz                                   |
| Common-mode rejection ratio(CMRR) | >75dB@1kHz, 22Hz-22kHz                       |
| Equivalent input noise(EIN)       | -116dBu A-weighted, terminated with 150Ω     |
| Inputs 7-8                        |  |
| Type                              | RCA connectors, unbalanced                   |
| Impedance                         | 10kΩ, unbalanced                             |
| Max. Input level                  | +15dBu                                       |
| Max. gain                         | 15dB   |
| OUT L, OUT R, AUX                 |  |
| Type                              | Euro-type connector, Balanced                |
| Max. gain                         | 22dB   |
| Max. Gain(input/output)           | 62dB(without PAD)                            |
| Impedance                         | 60Ω, unbalanced,120Ω, balanced               |
| Max. Output level                 | +21dBu unbalanced/ balanced                  |

|                                |   |
|--------------------------------|---|
| Crosstalk(output/output)       | >63dB@1kHz  |
| Noise(all level controls down) | -105dBu A-weighted  |
| Signal-to-noise ratio          | 87dB@0dB A-weighted   |
| BUS LINKS                      |   |
| Type                           | Euro-type connector, unbalanced   |
| Impedance                      | Approx. 150Ω  |
| Max. Output level              | +21dBu  |
| REMOTE                         |   |
| Type                           | Euro-type connector   |
| Volume control                 | 30dB attenuation with 10kΩ potentiometer(not included)<br>60dB attenuation with 100kΩ potentiometer(not included) |
| Channel select 7/8             | Push button switch(1pin) required(not included)   |
| EQ                             |   |
| MIC Low cut                    | High-pass filter, cut-off frequency: 100Hz  |
| LOW                            | ±15dB@70Hz  |
| LOW MID                        | ±15dB@300Hz   |
| HIGH MID                       | ±15dB@3kHz  |
| HIGH                           | ±15dB@10kHz   |
| SYSTEM SPECIFICATION           |   |
| Frequency response             | 20Hz-22kHz±0.5dB  |
| Distortion(THD+N)              | <0.05%  |
| Power consumption              | Max.25W   |

## 4) Ceiling Speaker :

|                        |                       |
|------------------------|-----------------------|
| Component              | 100mm(4in) Full-Range |
| Frequency Range(-10dB) | 60Hz-18kHz)           |
| Coverage               | 130° conical          |

|                              |  |
|------------------------------|--|
| Sensitivity(2.83V@1m)        | 93dB(1kHz-8kHz)  |
| Termination                  | Bare Wire  |
| Nominal Driver Impedance     | 8Ω   |
| Driver Power Capacity        | 20W  |
| 70V/100V Transformer Taps    | 6W, 3W, 1.5W,(0.75W at 70V only)   |
| Dimensions(Diameter x Depth) | 206mm(8.1in) diameter round baffle x<br>89mm(3.75in) depth from back of baffle |
| Cut-out Dimension            | 175mm diameter(6.9in)  |

## 5) PA Horn Speaker :

|                    |                           |
|--------------------|---------------------------|
| Input Power        | 15W RMS/23W Max.          |
| Impedance          | 8Ω                        |
| Frequency Response | 275-7, 000Hz              |
| SPL at 1kHz        | 106dB/1W/1m, 118dB/15W/1m |
| Dimensions         | 253 x 152 x (L284)mm      |
| Material           | ABS (UV Protected)        |

## 6) Volume Controller :

|                  |  |
|------------------|--|
| Rated Power      | 6W   |
| Input Voltage    | 100V   |
| Output Positions | Max, 3 attenuation positions in 3dB steps (-3dB to -9dB) and OFF |

## 7) Dynamic Cardioid Microphone :

|                    |                              |
|--------------------|------------------------------|
| Frequency Response | 80Hz – 15kHz                 |
| Polar Pattern      | Super Cardioid               |
| Impedance          | 600Ω                         |
| Sensitivity        | -52dBV(0dBV+1V/Pa), 2.5mV/Pa |
| Connector          | 3-pin balanced XLR(male)     |

## 8) Microphone Cable :

|                      |   |
|----------------------|---|
| Conductors           | 20AWG(10/30) tinned copper conductors   |
| Insulation           | PVC colour coated: red, black           |
| Shield               | Aluminium Mylar foil 25% overlap rate   |
| Conductor Diameter   | 0.916mm(0.036in)                        |
| Electrical Impedance | 40-100 $\Omega$                         |
| DC Resistance        | 34.6 $\Omega$ /km(10.5 $\Omega$ /100ft) |

## 9) Speaker Cable:

|                    |   |
|--------------------|---|
| Conductors         | 16AWG(26/30) bare copper conductors     |
| Insulation         | PVC colour coated: red, black           |
| Conductor Diameter | 1.478mm(0.058in)                        |
| DC Resistance      | 13.7 $\Omega$ /km(4.17 $\Omega$ /100ft) |

**Tenderers are requested to specifically confirm these reverse auction terms in the PART-D**

**PART-D**  
**Terms & Conditions of Reverse Auction**

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit ‘online sealed bid’ in the Reverse Auction. Non-submission of ‘online sealed bid’ by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (**annexure IV of business rule document of Reverse Auction – shall be shared to bidders along with intimation of RA schedule**) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at “Total Cost to BHEL” like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL’s standard practice.
12. Bidders shall be required to read the “Terms and Conditions” section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the ‘Business Rules of Reverse Auction’, which will be communicated before the Reverse Auction.

13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

PART – FNO DEVIATION CERTIFICATE  
(TO BE SUBMITTED IN BIDDER'S LETTERHEAD)

BHARAT HEAVY ELECTRICALS LIMITED,  
Power Sector - Eastern Region,  
Plot no 9/1, DJ Block, Sector – II, Salt Lake City,  
Kolkata – 700 091

|     |   |   |
|-----|---|---|
| Sub | No Deviation Certificate.   |   |
| Job | <b>SUPPLY &amp; INSTALLATION OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE AS PER ENTIRE TENDER SPECIFICATION.</b> |   |
| Ref | 1.0   | <b>Tender Ref. No. PSER: PUR: HR: 157: 110 DATE: 23/01/2016</b> |
|     | 2.0   | Other references (if any).                                      |

Dear Sir,

With reference to above tender, this is to confirm you that we have gone through each and every terms and conditions mentioned in the enquiry (Terms and Conditions) and we offer our unqualified acceptance of the same.

We also confirm that we have not changed/modified the tender documents as appeared in the website/newspapers and in case of observance at any stage, it shall be treated as null and void.

**We** hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT *and confirm our acceptance to reverse auctioning process* and we hereby convey our unqualified acceptance to all terms and conditions as stipulated in the tender and NIT.

It is also confirmed that the price has been quoted in the format received with the enquiry. We confirm that, we do not have any objections to splitting the quantity among the different bidders by BHEL and price shall remain firm till the completion supply of full ordered quantity.

Any deviation found subsequently at any time during execution of order shall be treated null and void.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorised  
representative of the contractor)

**PART-H**  
**FORMS AND PROCEDURES**

F-01FORMAT FOR SEEKING CLARIFICATION

|                  |   |
|------------------|---|
| <b>JOB</b>       | <b>SUPPLY &amp; INSTALLATION OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE AS PER ENTIRE TENDER SPECIFICATION.</b> |
| <b>TENDER NO</b> | Tender Ref. No. <b>PSER: PUR: HR: 157: 110</b> <b>DATE: 23/01/2016</b>  |

| <b>Sl. no</b> | <b>Reference clause of tender document</b> | <b>Existing provision</b> | <b>Bidder's query</b> | <b>BHEL's clarification</b> |
|---------------|--|---------------------------|-----------------------|-----------------------------|
|               |  |                           |                       |                             |
|               |  |                           |                       |                             |
|               |  |                           |                       |                             |

**F-02**

**PROFORMA FOR BANK GUARANTEE FOR SECURITY DEPOSIT CUM PERFORMANCE BANK GUARANTEE BOND**

B.G. NO.

Date

This deed of Guarantee made this ----- day of -----two thousand ---- by <Name and Address of Bank> hereinafter called the "The Guarantor" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) in favour of M/s Bharat Heavy Electrical Limited ( A Govt. of India Undertaking) a company incorporated under the Companies Act, 1956, having its registered office at BHEL House, Siri Fort, Asiad, New Delhi – 110049 through its unit at <Address of Power Sector Region<sup>1</sup>> hereinafter called "The Company" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns)

WHEREAS < Contractor's Name and Address> (hereinafter referred to as the Contractor) have entered into a contract arising out of Letter of Intent no. < LOI REF & Date > (hereinafter referred to as "the contract") for < Name of Work > with the company.

AND WHEREAS the contract inter-alia provides that the contractor shall furnish to the company a sum of Rs.---- (Rupees-----) towards security deposit for due and faithful performance of the contract in the form and manner specified therein.

AND WHEREAS the contractor has approached the Guarantor and in consideration of the arrangement arrived at between the contractor and the Guarantor, the Guarantor has agreed to give the Guarantee as hereinafter mentioned in favour of the company.

The Guarantor do hereby guarantee to the company the due and faithful performance, observance or discharge of the Contract by the contractor and further unconditionally and irrevocably undertake to pay to the Company without demur and merely on a demand, to the extent of Rs.----- (Rupees-----) against any claim by the company on them for any loss, damage, costs, charges and expenses caused to or suffered by the company by reasons of the contractor making any default in the performance, observance or discharge of the terms, conditions, stipulations or undertakings or any of them as contained in the contract.

The decision of the company whether any default has occurred or has been committed by the contractor in the performance, observance or discharge of any of the terms, conditions, stipulations or undertakings or any one of them as contained in the contract and / or as to the extent of loss, damage, costs, charges and expenses caused to or suffered by the company by reason of the contractor making any default in the performance, observance or discharge of any of the terms, conditions, stipulations or undertakings or any one of them shall be conclusive and binding on the Guarantor irrespective of the fact whether the contractor admits or denies the default or questions the correctness of any demand made by the company in any Court, Tribunal or Arbitration proceedings or before any other Authority.

The company shall have the fullest liberty without affecting in any way the liability of the Guarantor under this Guarantee, from time to time to vary any of the terms and conditions of the contract or extend time of performance by the contractor or to postpone for any time and from time to time any of the powers exercisable by it against the contractor and either enforce or forbear from enforcing any of the terms and conditions governing the contract or securities available to the company and the Guarantor shall not be released from its liability under these presents by any exercise by the company of the liberty with reference to the matters aforesaid or by reasons of time being given to the contractor or any other forbearance, act or commission on the part of the company or any indulgence by the company to the contractor or any other matter or thing whatsoever which under the law relating to sureties would, but for this provision have the effect of so releasing the Guarantor from its liability under this guarantee.

The Guarantor further agrees that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the contract and its claim satisfied or discharged and till the company certifies that the terms and conditions of the contract have been fully and properly carried out by the contractor and accordingly discharges this Guarantee, subject however, that the company shall have no claim under this Guarantee after ----- i.e. (3 months more than the present date of validity of Bank Guarantee unless the date of validity of this Bank Guarantee is further extended from time to time, as the case may be) unless a notice of the claim under this Guarantee has been served on the Guarantor before the expiry of the said period in which case the same shall be enforceable against the Guarantor notwithstanding the fact that the same is enforced after the expiry of the said period.

The Guarantor undertakes not to revoke this Guarantee during the period it is in force except with the previous consent of the Company in writing and agrees that any liquidation or winding up or insolvency or dissolution or any

change in the constitution of the contractor or the Guarantor shall not discharge the Guarantor's liability hereunder.

It shall not be necessary for the company to proceed against the contractor before proceeding against the Guarantor and the Guarantee herein contained shall be enforceable against them notwithstanding any security which the Company may have obtained or obtain from the Contractor shall at the time when proceedings are taken against the Guarantor hereunder be outstanding or unrealized.

Notwithstanding anything contained herein before, our liability under the Guarantee is restricted to Rs.----- (Rupees-----). Our guarantee shall remain in force until -----, i.e. (the present date of validity of Bank Guarantee unless the date of validity of this Bank Guarantee is further extended from time to time) unless a claim or demand under this guarantee is made against us on or before ----- (3 Months more than the validity date) we shall be discharged from our liabilities under this Guarantee thereafter.

Any claim or dispute arising under the terms of this documents shall only be enforced or settled in the courts of at < **Name of place<sup>2</sup>** > only.

The Guarantor hereby declares that it has power to execute this guarantee and the executant has full powers to do so on behalf of the Guarantor.

IN WITNESS whereof the ----- (Bank) has hereunto set and subscribed its hand the day, month and year first, above written.

(Name of the Bank)

Signed for and on behalf of the Bank  
(Designation of the Authorized Person Signing the Guarantee)

(Signatory No.-----)

DATED:

SEAL

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Notes :

1. **Address of Power Sector Regions (inviting the Tender)** is as below:
  - PSNR : Bharat Heavy Electricals Limited, Power Sector Northern Region, HRDI & PSNR Complex, Plot No 25, Sector 16-A, Noida – 201 301 (Uttar Pradesh)
  - PSER : Bharat Heavy Electricals Limited, Power Sector Eastern Region, BHEL Bhawan, Plot No 9/1, DJ Block, Sector-II, Salt lake City, Kolkata – 700 091
  - PSWR: Bharat Heavy Electricals Limited, Power Sector Western Region, Shree Mohini Complex, 345 Kingsway, Nagpur 440 001
  - PSSR: Bharat Heavy Electricals Limited, Power Sector Southern Region, 690, Anna Salai, Nandanam, Chennai 600 035
2. **Name of place (for jurisdiction of Courts)** is as below:
  - PSNR : Delhi
  - PSER : Kolkata
  - PSWR: Nagpur
  - PSSR : Chennai
3. The BG shall be executed on non-judicial stamp papers of adequate value procured in the name of the Bank in the State where the Bank is located.
4. The BG is required to be sent by the executing Bank directly to BHEL at the address where tender is submitted / accepted under sealed cover.

F-03

RTGS FORMAT

Form for getting payment through RTGS (Real Time Gross Settlement)

01. NAME OF VENDOR
02. ADDRESS
03. VENDOR'S BANK A/C NAME
04. VENDOR'S BANK A/C NO.
05. NAME OF BANK
06. NAME OF BRANCH
07. BRANCH PH. NO.
08. CITY
09. IFSC CODE OF THE BRANCH

THE CHARGES IF ANY FOR PAYMENT THROUGH RTGS MAY BE RECOVERED FROM THE BILL SUBMITTED BY US.

SIGNATURE OF AUTHORISED  
REPRESENTATIVE OF VENDOR WITH  
DATE & SEAL

CONFIRMATION BY BANKER  
WITH OFFICE SEAL

**Note : Incorrect information will create accounting complications and payment will be delayed.**

**F-04**

**Vendor Details**

- 1. Name & address of the vendor/company:**
  
- 2. PAN No. of the vendor/company (scan copy of PAN Card):**
  
- 3. Contact Person for the vendor/company**
  
- 4. Mobile number & E-mail of the contact person**
  
- 5. VAT / TIN**
  
- 6. CST**

**SIGNATURE OF THE BIDDER WITH DATE & SEAL**

**F-05**

**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)

---

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

OR

2. The Proprietor, 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 Authorized 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.

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**ANNEXURE -A**

|      |   |
|------|---|
| 1    | <b>Suspension of business dealing with Suppliers</b><br>Depending upon the gravity of the omission or commission by the Supplier, the Supplier may be either put on hold for future enquiries for specific material category/ item or delisted or banned as detailed hereinafter.   |
| 2.0  | <b>Hold</b><br>A Supplier may be put on hold for future enquiries for specific material category/ items/ works for a specific unit on the basis of one or more of the following reasons:  |
| 2.1  | Before placement of order, Supplier does not honour his own offer or any of its conditions within the validity period.  |
| 2.2  | In the last three consecutive supplies of a specific material category, average quality rating as at the end of the previous calendar month falls below 80% of the quality weightage. This is irrespective of supplies against PO(s) having single/ multiple delivery schedules.  |
| 2.3  | Two consecutive delays, for reasons of delay attributed to the Supplier, in execution of the contracts where delay occurred is such that<br>a) prescribed maximum LD time limits of the contracts is reached/ exceeded or<br>b) delay period has equaled/ exceeded the original delivery period specified in the contracts<br>whichever among the above is earlier. |
| 2.4  | Supplier performance rating in line with SEARP falls below 60% of the specific material category.   |
| 2.5  | Supplier fails to respond against three consecutive tenders. ('Regret letter' from the Supplier is to be considered as response)  |
| 2.6  | Supplier fails to settle any outstanding on account of material (including short return)/ scrap or on any other account.  |
| 2.7  | Supplier works are under strike/ lockout for a period of more than six months.  |
| 3.0  | <b>De-listing</b><br>A Supplier may be de-listed i.e. removed from the list of registered Suppliers of a Unit for all categories of material on the basis of one or more of the following reasons:  |
| 3.1  | Supplier in any way tampers with tendering procedure affecting ordering process.  |
| 3.2  | Supplier has misused BHEL documents/ drawings or has breached the confidentiality agreement with BHEL.  |
| 3.3  | After placement of order, Supplier fails to execute the contract.   |
| 4.0  | <b>Banning</b><br>A Supplier can be banned from doing any business with all Units of BHEL on the basis of receipt of evidence of one or more of the following reasons:  |
| 4.1  | Supplier is found to be responsible for submitting fake/ false/ forged documents, certificates, or information or has resorted to unethical, illegal means in getting the contract.   |
| 4.2  | In spite of warnings, the Supplier persistently violates or circumvents the provisions of labour laws/ regulations/ rules and other statutory requirements.   |
| 4.3  | Supplier is found to be involved in cartel formation or in any act so as to influence the bidding process or influence the price.   |
| 4.4  | The Supplier has indulged in malpractices or misconduct such as bribery, corruption and fraud, pilferage etc.   |
| 4.5  | The Supplier is found guilty by any court of law for criminal activity/ offences involving moral turpitude in relation to business dealings.  |
| 4.6  | The Supplier is declared bankrupt, insolvent, has wound up or been dissolved; i.e. ceases to exist for all practical purposes.  |
| 4.7  | Supplier is found to have obtained any internal information/ documentation of BHEL by unauthorized means.   |
| 4.8  | A decision has been taken by the administrative ministry of the Government to ban business dealings with a Supplier and such decision has been communicated to BHEL.  |
| 4.9  | The foreign Principals along with the representing Agent shall be banned together if information submitted by them about their precise relationship, commission/ remuneration etc. payable/ receivable and other particulars as asked by BHEL, as per the extant guidelines regarding dealing with Agents of Foreign Suppliers is found false/ incorrect.           |
| 4.10 | Supplier has substituted, damaged, failed to return, or unauthorizedly disposed off free issue materials/ tools etc. of BHEL.   |
| 5.0  | Contracts already entered with a contractor before the date of issue of order of 'HOLD' or 'DE-LISTING' shall not be affected.  |
| 6.0  | All existing contracts with a 'BANNED' contractor shall normally be short closed  |
| 7.0  | Once the order for banning is passed, existing offers/ new offers of the Supplier shall not be entertained.   |
| 8.0  | The above guidelines are not exhaustive but enunciate broad principles governing action against contractors   |

**ANNEXURE -B**

**Certificate by Chartered Accountant on letter head**

This is to Certify that M/S .....  
(hereinafter referred to as 'company') having its registered office at .....  
is registered under MSMED Act 2006, (Entrepreneur  
Memorandum No (Part-II) ..... dtd:..... ,  
Category: ..... (Micro /Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the latest audited financial year ..... as per MSMED Act 2006 is as follows:

1. For Manufacturing Enterprises: Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No.S.O.1722(E) dated October 5, 2006 :

Rs..... Lacs

2. For Service Enterprises: Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:

Rs..... Lacs

(Strike off whichever is not applicable)

The above investment of Rs ..... Lacs is within permissible limit of Rs..... ....Lacs for..... Micro / Small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/ Small) (Strike off which is not applicable) and the date of graduation of such enterprise from its original category is ..... (dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprise from its original category as notified vide 5.0. No. 3322(E) dated 01.11.2013 published in the gazette notification dated 04,11.2013 by Ministry of MSME.

Date:

(Signature)

Name-

Membership number -

Seal of Chartered Accountant

|   |
|---|
| <b>PART-E PRICE FORMAT</b>  |
| <b>RATE SCHEDULE PREAMBLE</b>   |
| <b>JOB: SUPPLY, INSTALLATION, TESTING &amp; COMMISSIONING OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE AS PER ENTIRE TENDER SPECIFICATION</b> |
| <b>TENDER NO. PSER: PUR: HR: 157: 110 DATE: 23/01/2016</b>  |

| <b>PREAMBLE</b> |   |
|-----------------|---|
| 1               | This preamble forms part of tender document and schedule of items. The tenderer should read this preamble carefully in rates for various items. Clauses under this preamble shall be read in conjunction with all other tender enquiry documents, i.e. NIT, GCC, SCC etc. together with subsequent changes/ modifications etc there to as applicable as on date of submission of price offer. It is also to be noted that Price Schedule contains total 4 numbers of worksheets (including Preamble) which are also integral part of Price Schedule. Any other document (if submitted by bidder) in Price Bid/ Schedule apart from tendered Price Schedule (Part- E of tender documents) shall not be taken into cognizance for evaluation of offer. Any Modification in Price schedule in any way by bidder is not acceptable & shall be considered as tampering of tender document. |
| 2               | The work shall be carried out strictly as per specifications, description of the items in these schedule and / or engineer's instructions.  |
| 3               | Items of work provided in this schedule but not covered in this specification shall be executed strictly as per instruction of the engineer.  |
| 4               | Unless specifically mentioned otherwise in the tender document, the tenderer shall quote for the finished items and shall provide for the complete cost towards power, fuel, tools, tackles, equipment, constructional plants, temporary works, labour, dismantling of all temporary piping, structures, valves, pumps, tanks & other misc equipment, strengthening of roads/ culverts/ bridges etc including arranging all clearances etc required for carrying out different activities & tests, materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervisions, colonies, shops, establishments, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the work according to the tender document and this schedule.  |
| 5               | The rates quoted in Price schedule shall be inclusive of "all taxes, insurance (excluding Service Tax & SWACHH BHARAT Cess), Works Contract Tax under state VAT Act, charges royalties, duties, Octroi, Cess, any State or Central levy and other taxes for materials obtained for the work and for the execution of the contract". Service Tax & SWACHH BHARAT Cess shall be paid extra, as applicable. No separate payment will be made towards the same.   |
| 6               | Rates shall be quoted in figures (in Whole Number Only) in clear legible writing. No overwriting is allowed. All scoring and cancellations should be countersigned and in case of illegibility the interpretation of engineer shall be final. All entries shall be in English. Bidders to quote rate in all the applicable columns of Price Schedule, no column (which is/are to be filled) should be left blank. Any column (which is/are to be filled) of Price Schedule is left blank, rate for the same shall be construed as included in total quoted price. <b>EVALUATION WILL BE ON THE BASIS OF GRAND TOTAL OF (SCHEDULE I &amp; II) OF SUMMARY SHEET (CALCULATION) OF PRICE SCHEDULE (PART-E).</b>   |
| 7               | BHEL's decision shall be final and binding on the contractor regarding clarification of items in the schedule with respect to the other sections/volumes of the contract.   |
| 8               | The tenderer shall be deemed to have visited site and made himself aware of all the site conditions, studied the specifications and details of work to be done within the time schedule attached and to have acquainted himself of the conditions prevailing at site.   |
| 9               | The quantity under the scope of for supply & installation of PA system as per tender specification, given in the scope are provisional and may vary to any extent at the time of Execution of work. However, the quoted rates shall remain firm for the entire period of contract including extension (if any) for variation in total contract value within (+10%) & (-10%).  |

SIGNATURE OF THE BIDDER  
WITH SEAL AND DATE

| <b>PART-E PRICE FORMAT</b>  |  |                             |
|---|--|-----------------------------|
| <b>RATE SCHEDULE FOR INSTALLATION</b>   |  |                             |
| <b>JOB: SUPPLY, INSTALLATION, TESTING &amp; COMMISSIONING OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE AS PER ENTIRE TENDER SPECIFICATION</b> |  |                             |
| <b>TENDER NO. PSER: PUR: HR: 157: 110 DATE: 23/01/2016</b>  |  |                             |
| <b>SL. NO.</b>  | <b>DESCRIPTION</b>   | <b>TOTAL PRICE (in Rs.)</b> |
| 1   | Total price of items pertaining to supply schedule (viz. total of schedule-I)  |                             |
| 2   | Total price of items pertaining to installation testing & Commissioning scheduleschedule (viz. total of schedule-II) |                             |
| 3   | GRAND TOTAL (SCH-I+ SCH-II)  |                             |

SIGNATURE OF THE BIDDER  
WITH SEAL AND DATE

| PART-E PRICE FORMAT   |   |      |        |   |                            |
|---|---|------|--------|---|----------------------------|
| RATE SCHEDULE FOR SUPPLY ( schedule-I)  |   |      |        |   |                            |
| JOB: SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE<br>AS PER ENTIRE TENDER SPECIFICATION |   |      |        |   |                            |
| TENDER NO. PSER: PUR: HR: 157: 110 DATE: 23/01/2016   |   |      |        |   |                            |
| SL. NO.   | DESCRIPTION   | QTY  | UOM    | UNIT RATE(in Rs.) INCLUDING ALL<br>APPLICABLE TAXES & DUTIES<br>EXCEPT SERVICE TAX & SWACHCH<br>BHARAT CESS | TOTAL<br>PRICE (in<br>Rs.) |
|   |   | A    | B      | C   | D = A x C                  |
| 1   | Supply of Mixer Amplifier as per tender specification             | 1    | Number |   |                            |
| 2   | Supply of Mixer Amplifier as per tender specification             | 1    | Number |   |                            |
| 3   | Supply of 8-channel Zone Mixer as per tender specification        | 1    | Number |   |                            |
| 4   | Supply of Ceiling Speaker as per tender specification             | 60   | Number |   |                            |
| 5   | Supply of PA Horn Speaker as per tender specification             | 4    | Number |   |                            |
| 6   | Supply of Volume Controller as per tender specification           | 1    | Number |   |                            |
| 7   | Supply of Dynamic Cardioid Microphone as per tender specification | 4    | Number |   |                            |
| 8   | Supply of Microphone Cable as per tender specification            | 100  | Meter  |   |                            |
| 9   | Supply of Speaker Cable as per tender specification               | 1500 | Meter  |   |                            |
| 11  | <b>Total (Sum of SL NO. 1 to 9)</b>                               |      |        |   |                            |
| <b>TOTAL (IN WORDS):</b>  |   |      |        |   |                            |

NOTE:

1. BHEL shall not issue C-form I.E. CONCESSIONAL SALES TAX FORM SHALL NOT BE PROVIDED BY BHEL FOR INTER-STATE PURCHASE. BIDDERS QUOTING IN CST SHALL QUOTE FULL RATE OF TAX
3. Discounts offer by the vendor in price shall not be entertained by BHEL. (Ref. cl. 10. PART-B)
4. Bidder must quote the price elements mentioned in price schedule if any element left blank shall be construed as the price is included in all inclusive F.O.R. price

SIGNATURE OF THE BIDDER  
WITH SEAL & DATE

| PART-E PRICE FORMAT  |   |      |        |  |                      |
|--|---|------|--------|--|----------------------|
| RATE SCHEDULE FOR SUPPLY ( schedule-I)   |   |      |        |  |                      |
| JOB: SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PUBLIC ADDRESS SYSTEM AT BHEL PSER KOLKATA OFFICE AS PER ENTIRE TENDER SPECIFICATION |   |      |        |  |                      |
| TENDER NO. PSER: PUR: HR: 157: 110 DATE: 23/01/2016  |   |      |        |  |                      |
| SL. NO.  | DESCRIPTION   | QTY  | UOM    | UNIT RATE(in Rs.) INCLUDING ALL APPLICABLE TAXES & DUTIES EXCEPT SERVICE TAX & SWACHCH BHARAT CESS | TOTAL PRICE (in Rs.) |
|  |   | A    | B      | C  | D = A x C            |
| 1  | Installation testing & commissioning of Mixer Amplifier as per tender specification             | 1    | Number |  |                      |
| 2  | Installation testing & commissioning of Mixer Amplifier as per tender specification             | 1    | Number |  |                      |
| 3  | Installation testing & commissioning of 8-channel Zone Mixer as per tender                      | 1    | Number |  |                      |
| 4  | Installation testing & commissioning of Ceiling Speaker as per tender specification             | 60   | Number |  |                      |
| 5  | Installation testing & commissioning of PA Horn Speaker as per tender specification             | 4    | Number |  |                      |
| 6  | Installation testing & commissioning of Volume Controller as per tender specification           | 1    | Number |  |                      |
| 7  | Installation testing & commissioning of Dynamic Cardioid Microphone as per tender specification | 4    | Number |  |                      |
| 8  | Installation testing & commissioning of Microphone Cable as per tender specification            | 100  | Meter  |  |                      |
| 9  | Installation testing & commissioning of Speaker Cable as per tender specification               | 1500 | Meter  |  |                      |
| 11   | <b>Total (Sum of SL NO. 1 to 9)</b>   |      |        |  |                      |
| <b>TOTAL (IN WORDS):</b>   |   |      |        |  |                      |

NOTE:

1. Service Tax & SWACHCH BHARAT Cess shall be paid extra, as applicable.

3. Discounts offered by the vendor in price shall not be entertained by BHEL. (Ref. cl. 10. PART-B)

4. Bidder must quote the price elements mentioned in price schedule if any element left blank shall be construed as the price is included in all inclusive TOTAL price

SIGNATURE OF THE BIDDER  
WITH SEAL & DATE