



Ref. Enquiry No. : PE/PG/EN1/E-5436/2016 Date: 12.01.2017

DUE DATE & TIME
Dated : 04-02-2017
By- 10:00:00 AM (IST)

Subject: Tender Enquiry of PUBLIC ADDRESS SYSTEM, as per Technical Specification No. PE-TS-412-557-E001_R00 for 2 x 660MW ENNORE SEZ STPP

BHEL invites offers from reputed Vendors [Refer pre-qualifying requirements and other tender documents uploaded on our websites www.bhelpem.com, www.bhel.com, & CPP Portal (www.eprocure.gov.in)] for PUBLIC ADDRESS SYSTEM of 2 x 660MW Ennore SEZ STPP. Detailed Scope of work & Equipment details shall be as per Technical Specification PE-TS-412-557-E001_R00 for 2 x 660MW Ennore SEZ STPP and other details hosted on above mentioned websites.

Bidder has to submit its best quotation/offer in line with tender terms and conditions in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of GCC, Rev. 06, in quintuplicate (5 sets).

Tender Bids are to be either delivered in person or sent by **COURIER/REGISTERED or SPEED POST**, to the following address only:

Tender Room,
Bharat Heavy Electricals Ltd.,
Project Engineering Management,
PPEI Building, HRD & ESI Complex,
Plot No. 25, Sector – 16A,
NOIDA – 201 301 (U.P.)

Attention: 1) Mr. Sanjeev Kumar/ Asst. Engr, PG II-2, Ext. 8590
2) Mr. Sharad Chandra / Sr. Engr., PG II-2, Ext. 3572

Email: sanjeev_k@bhelpem.co.in, sharadchandra@bhelpem.co.in,
Ph. No. 0120-4368590

It shall be the responsibility of the bidder to ensure that the Offer/Quotation is delivered on or before the **due date by 10:00:00 AM (IST)**. The offer has to be deposited in tender box only. Part-I bids shall be opened at **11:00:00 AM (IST)** on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Important Note to be considered by All Bidders:

The offers of the bidders who are on the banned list as also the offers 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.

Sharad Chandra

SHARAD CHANDRA
Sr. Engineer/PG-II-2, BHEL/PS-Project Engineering Management,
Power Project Engineering Institute,
Plot no. 25, Sector – 16A, Noida (UP) 201301, INDIA
(OFF) +91-120-4368590

Regd. Office
BHEL House Siri Fort
New Delhi-110049



Ref. Enquiry No. : PE/PG/EN1/E-5436/2016 Date: 12.01.2017

TERMS AND CONDITIONS (In conjunction with Tender Enquiry Letter terms):

1. Pre-Qualifying Requirements:

Bidders have to provide the required details as per "TECHNICAL AND FINANCIAL PRE-QUALIFYING REQUIREMENTS" (enclosed as NIT Tender Documents). Bids of only those bidders shall be evaluated who meet the Technical as well as Financial Pre-Qualifying requirements.

2. Bidder to note that this is a conditional Open Tender enquiry and the price bid (Part-II) opening/RA participation shall be subject to following condition:-

A) Approval of bidder by End Customer. Approval shall be taken up by BHEL with customer based on the credentials/reference list. Hence Bidders are requested to submit the following (as part of their credentials) on or before Part-I opening/due date:-

- Company Profile
- Recent Purchase orders copies
- Reference list indicating PO details, customer name, PO date, execution date etc.
- Performance certificate issued by the clients.

B) Techno-commercial recommended bidders by BHEL.

3. Bidders have to note that TERMS AND CONDITIONS of the tender shall be as per General Conditions of Contracts (GCC, Rev. 06), Special Conditions of Contract and Notice Inviting Tender (NIT) conditions. Order of precedence shall be as per clause NO. 35.0 of GCC Rev. 06 (GENERAL COMMERCIAL TERMS & CONDITIONS).

Link to GCC Rev. 06: <https://www.bhelpem.com/Documents/GCC/GCC-Rev.06.pdf>

4. Bidders has to note that following forms the part of Tender Documents :

- **General Conditions of Contract (GCC) Rev 06**
- **Technical Specification PE-TS-412-557-E001 R00**
- **Price format & Special Conditions of Contract of project**
- **Financial PQR, Technical PQR of project**
- **NIT CONDITIONS**

Offers are to be submitted strictly in accordance with the requirements of the above Tender Documents. All the above referred Tender Documents shall automatically become the part of the Order/Contract after its finalisation.

5. BGs should be in favour of BHEL-PEM for supply portion & in favour of BHEL-PSSR for E & C. Vendors will be required to submit BGs to executing agency BHEL PEM for Supply and BHEL-PSSR for E & C.

Sharad Chandra.



Ref. Enquiry No. : PE/PG/EN1/E-5436/2016 Date: 12.01.2017

6. Delivery Terms:

Main Supply- Four (04) months from drgs. /docs approval in CAT-I issued by BHEL. Drg/Doc shall be as per technical specification-PE-TS- 412-557-E001 Rev-00. Successful bidder to make 1st submission of drawing/documents within two weeks from the date of P.O. Vendor to resubmit drawing/documents within 7 days only, taking care of all the comments of BHEL.

Delivery (E&C) shall be 04 months from the date of site clearance. Date of clearance shall be date on which BHEL asks to start E&C.

7. Evaluation will be done on overall L1 (Total cost to BHEL) basis with necessary loadings as applicable. Bidders have to refer SCC & GCC.
8. CIF is not available for this package.
9. Total erection & commissioning charges including service tax should be minimum 20% of the total quoted package (excluding mandatory spares but including all taxes & freight), falling which the break-up of price shall be adjusted accordingly for ordering.
10. In case of joint bidding, Bidders to furnish scope matrix which should be clearly defined between foreign bidder and their Indian representative along with the offer for the Main Supply and Erection & Commissioning.
11. Bidder has to note that Deviations from NIT are generally not acceptable. Deviations, if any, are to be listed out clearly, as per Annexure-II, of GCC Rev 06, in techno-commercial offer. Any deviation mentioned or shown separately or found hidden in offer, will not be taken cognizance of.
In case of deviations from NIT, the bidder shall give the cost of withdrawal of such deviation in Sealed Cover as per Annexure-II, Deviation Sheet (Cost of Withdrawal), as per GCC Rev-06.
12. Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at www.bhelpem.com -> vendor section -> Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted.
13. 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-1 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

Sharad Chandra

SHARAD CHANDRA
Sr. Engineer/PG-II-2, BHEL/PS-Project Engineering Management,
Power Project Engineering Institute,
Plot no. 25, Sector - 16A, Noida (UP) 201301, INDIA
(OFF) +91-120-4368590

Regd. Office
BHEL House Siri Fort
New Delhi-110049



Ref. Enquiry No. : PE/PG/EN1/E-5436/2016 Date: 12.01.2017

enquiry if any deficiency in the above required documents are not submitted before price bid opening. Documents should be notarized or attested by a Gazetted officer.

14. All correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address :

Mr. Sanjeev Kumar, Asst. Engr, PG-II-2 M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301, U.P., INDIA E-MAIL: sanjeev_k@bhelpem.co.in Ph. No. +91-120-4368590	Mr. Sharad Chandra, Sr. Engr, PG-II-2 M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301, U.P., INDIA E-MAIL: sharadchandra@bhelpem.co.in Ph. No. +91-120- 4213572
---	---

15. Bidder is requested to quote their best competitive prices. "BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer 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.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

Link for RA guidelines to be followed as:

http://www.bhel.com/vender_registration/pdf/Guidelines%20for%20Reverse%20Auction-2016.pdf

16. 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.

Sharad Chandra

SHARAD CHANDRA
Sr. Engineer/PG-II-2, BHEL/PS-Project Engineering Management,
Power Project Engineering Institute,
Plot no. 25, Sector - 16A, Noida (UP) 201301, INDIA
(OFF) +91-120-4368590

Regd. Office
BHEL House Siri Fort
New Delhi-110049



Ref. Enquiry No. : PE/PG/EN1/E-5436/2016 Date: 12.01.2017

17. Foreign and indigenous bidders participating in subject tender will necessarily have to buy class III DSCs (Digital Signature Certificate) issued by the certifying authorities in India. Basic procedure /checklist is uploaded on "www.bhel.com" for participating in future tender enquires through e procurement.
18. Prices are firm.
19. Contractor will comply with HSE (Health, Safety & Environment) requirement of BHEL.
20. Bidder to note that COMMERCIAL TERMS AND CONDITIONS shall be as per Notice Inviting Tender (NIT) conditions, Special Conditions of Contract of Project & General Conditions of Contracts (GCC, Rev.06).
21. Please note that detailed offers are to be submitted including the following documents:
 - o Acceptance of GCC Rev.06
 - o Acceptance of Special Conditions of Contract of the project.
 - o Pre-qualifying Requirements (PQRs) along with supporting documents
 - o FINANCIAL PQR.
 - o TECHNICAL PQR.
 - o Technical and commercial deviations as per Annexure-II of GCC Rev. 06 only, if any
 - o A copy of this letter duly signed & stamped on each page as token of acceptance of all terms & instructions conveyed
 - o Un-Priced price schedule (format) duly filled in 'Quoted' or 'Q' in each column/row
 - o Separate sealed price-bid envelope mentioning Enquiry No., Name of the project/package and Name of bidder in BOLD LETTERS on the top of envelope.
22. **All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website (www.bhel.com) & BHEL-PEM website (www.bhelpem.com) only. Bidders should regularly visit websites to keep themselves updated.**

NOTE: In case you are not making an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date.

Sharad Chandra

Thanking You,
For and on behalf of BHEL
Sharad Chandra
Sr. ENGR/PGII-2/BHEL-PEM

Enclosures:

1. Technical Specification
2. Financial PQR
3. Technical PQR
4. General PQR
5. BOQ CUM Price (Prices should be quoted strictly in this format only).
6. HSE Guidelines
7. SCC Rev-01 of project



PRICE SCHEDULE FOR PA SYSTEM - PACKAGE

Item No.	DESCRIPTION	MAKE	MODEL NO.	QUAN TITY	Unit	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	INDIGENEOUS ITEMS (Supply from Indian Territory)					IMPORTED ITEMS (Supply not from Indian Territory)					Remarks
								ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/II (INR)	SERVICE TAX @ (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT F.O.B. PRICE (INCLUDING SEAWORTHY PACKING: HANDLING AND TRANSPORTATION TO VENDORS OWN PORT) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING SEAWORTHY PACKING: HANDLING AND TRANSPORTATION TO VENDORS OWN PORT) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	MARINE INSURANCE	CUSTOM DUTY AFTER AVAILING BENEFIT IF APPLICABLE (INR)	
MAIN SUPPLY																		
A1	Central exchange for unit & common area with integrated MDF/MJB Microprocessor controlled, digital, programmable central control unit (CCU) equipped with 170 stations and ability to interconnect 17 more handsets for future expansion			1	No.													
A2	Central exchange for CHP area with integrated MDF/MJB Microprocessor controlled, digital, programmable central control unit (CCU) equipped for 55 stations and ability to interconnect 6 more handsets for future expansion			1	No.													
A3	Master Control Station (MCS) Built-in mic & speaker, handset, 4 LED indicators, key board switches			5	Nos.													
A4	Explosion proof handset station			4	No.													
A5	Explosion proof Horn type speaker			4	Nos.													
A6	Explosion proof Junction box			4	Nos.													
A7	Desktop Station handset Built-in mic & speaker, 4 LED indicators			7	No.													
A8	Extension amplifier for MCS and desktop station			12	No.													
A9	Wall/column mounted, weatherproof field call station with handset and built-in power amplifier with 15W (RMS)																	
(i)	For indoor main plant area with DOP IP-52			65	Nos.													
(ii)	For outdoor main plant area with DOP IP-55			67	Nos.													
(iii)	For indoor CHP area with DOP IP-52			15	Nos.													
(iv)	For outdoor CHP area with DOP IP-55			33	Nos.													
A10	Sub-distribution frame (SDF) 24 pairs *			53	Nos.													
A11	Portable handset station with multi-pin plug			15	Nos.													
A12	Socket box for Portable handset station			30	Nos.													
A13	Wall/ column mounted 4W Cone type loudspeaker			87	Nos.													
A14	Wall/ column mounted 15W Horn type loudspeaker																	
(i)	For main plant area with DOP IP-55			67	Nos.													
(ii)	For CHP area with DOP IP-65			33	Nos.													
A15	Power junction box			184	Nos.													
A16	Signal junction box			12	Nos.													
A17	Weather protecting canopy for field call station			104	Nos.													
A18	Sound protecting floor mounted Acoustic hood			27	Nos.													
A19	Power distribution box			2	Nos.													
A20	Signal line booster			10	Nos.													
A21	Special tools and tackles			1	lot													
A22	Additional item which is not appearing in BHEL's unpriced price schedule format/BOQ but is required for the completeness of system (bidder to give detailed description of same alongwith prices or state nil)			1	lot												Include signal line booster in sufficient nos. (if applicable)	
A23	Total (A1 TO A22)																	
B	E & C OF PA SYSTEM - MAIN EQUIPMENT (ERECTION & COMMISSIONING) - BREAK UP AS PER ANNEXURE-II			1	lot													
C	TOTAL LUMPSUM PRICE (A23 + B)																	

NOTES:

1. Bidder must indicate the make & model number of each item else the offer can not be evaluated.
2. The unit rates of supply for all equipment quoted by the bidder shall be firm for a variation of quantities as per NIT, GCC.
3. Design and engineering charges shall form part of main equipment.
4. Charges for special tools & tackles required for the PA system shall form part of main equipment.
5. Main equipment items, which are not applicable for their system, bidder to mention in "Remarks" column and same shall appear in the unpriced copy of the bid also.
6. Any additional item/equipment required (as per system quoted by the bidder), bidder shall quote it separately with their unit rate.
7. Bidder to furnish list and Qty. of special tools & tackles and E & C spares along with the offer.
8. * Bidder shall quote either SCHEME I or SCHEME II of Section II. Whichever is not applicable Bidder shall write N/A in front of that item.

Scored Cleared on 12.1.17.

ANNEXURE - II TO NIT REF NO- PE/PG/ENI/E-5436/2016, DTD- 12.01.2017											
2 x 660MW Ennore SEZ STPP											
ERECTION AND COMMISSIONING CHARGES FOR PA SYSTEM											
Item No.	DESCRIPTION	MAKE	MODEL NO.	QUANTITY	Unit	INDIGENOUS BIDDER (INR)			FOR FOREIGN BIDDERS		Remarks
						UNIT PRICE FOR E & C CHARGES WITHOUT SERVICE TAX (INR)	SERVICE TAX ON E & C @ (INR)	TOTAL LUMP SUM E & C CHARGES PRICE (INR)	UNIT PRICE FOR E & C CHARGES (CURRENCY)	TOTAL PRICE FOR E & C CHARGES (CURRENCY)	
(B)	ERECTION & COMMISSIONING										
B1	Central exchange for unit & common area with integrated MDF/MJB Microprocessor controlled, digital, programmable central control unit (CCU) equipped with 170 stations and ability to interconnect 17 more handsets for future expansion			1	No.						
B2	Central exchange for CHP area with integrated MDF/MJB Microprocessor controlled, digital, programmable central control unit (CCU) equipped for 55 stations and ability to interconnect 6 more handsets for future expansion			1	No.						
B3	Master Control Station (MCS) Built-in mic & speaker, handset, 4 LED indicators. key board switches			5	Nos.						
B4	Explosion proof handset station			4	Nos.						
B5	Explosion proof Horn type speaker			4	Nos.						
B6	Explosion proof Junction box			4	Nos.						
B7	Desktop Station handset, Built-in mic & speaker, 4 LED indicators			7	Nos.						
B8	Extension amplifier for MCS and desktop station			12	Nos.						
B9	Wall/column mounted, weatherproof field call station with handset and built-in power amplifier with 15W /BMS3										
(i)	For indoor main plant area with DOP IP-52			65	Nos.						
(ii)	For outdoor main plant area with DOP IP-55			67	Nos.						
(iii)	For indoor CHP area with DOP IP-52			15	Nos.						
(iv)	For outdoor CHP area with DOP IP-65			33	Nos.						
B10	Sub-distribution frame (SDF) 24 pairs *			53	Nos.						
B11	Portable handset station with multi-pin plug			15	Nos.						
B12	Socket box for Portable handset station			30	Nos.						
B13	Wall/ column mounted 4W Cone type loudspeaker			87	Nos.						
B14	Wall/ column mounted 15W Horn type loudspeaker										
(i)	For main plant area with DOP IP-55			67	Nos.						
(ii)	For CHP area with DOP IP-65			33	Nos.						
B15	Power junction box			184	Nos.						
B16	Signal junction box			12	Nos.						
B17	Weather protecting canopy for field call station			104	Nos.						
B18	Sound protecting floor mounted Acoustic hood			27	Nos.						
B19	Power distribution box			2	Nos.						
B20	Signal line booster			10	Nos.						(If applicable)
B21	E&C of any additional item which is not appearing in BHEL's unpriced price schedule format/BOQ but is required for the completeness of system (bidder to give detailed description of same alongwith prices or state nil)			1	lot						
Total (B1 TO B21)											

NOTES:

- Bidder must indicate the make & model number of each item else the offer can not be evaluated.
- The unit rates of E&C for all equipment quoted by the bidder shall be firm for a variation of quantities as per NIT, GCC.
- Fabrication & painting of support structure for various equipment shall be in bidders scope. However, structural steel will be free issue from BHEL.
- Instruments required for testing & commissioning shall be arranged by the bidder.
- Cables laying is not in the scope of the bidder (except the local cable from JB to station). However, termination of cables on bidder's equipment is in bidder's scope.
- Main equipment items, which are not applicable for their system, bidder to mention in "Remarks" column and same shall appear in the unpriced copy of the bid also.
- Any additional items/equipment required (as per system quoted by the bidder), bidder shall quote it separately with their unit rate.
- * Bidder shall quote either SCHEME I or SCHEME II of Section II. Whichever is not applicable Bidder shall write N/A in front of that item.

Sanad Chandra
12/1/17