



Ref. Enquiry No. : PE/PG/MG1/E-5164/2015 DATE: 13-Jan-2016

<b>DUE DATE</b>
<b>Dated : 10-FEB-2016</b>
<b>By- 02:00:00 PM (IST)</b>

**Subject: Open Tender Enquiry of Effluent Treatment Plant, as per Technical Specification No. PE-TS-411-164A-A001 Rev-00, Technical PQR & Financial PQR for 4x270 MW BHADRADARI TPS.**

BHEL invites offers from reputed Vendors (Refer pre-qualifying requirements and other tender documents uploaded on our websites [www.bhelpem.com](http://www.bhelpem.com) & [www.bhel.com](http://www.bhel.com)) for Design, engineering, manufacture, fabrication, assembly, inspection & testing at manufacturer's works, delivery at site including start up and commissioning spares, mandatory spares, properly packed for transportation, unloading / handling and storage at site, in site transportation, supervision of civil works at site for clarifier (HRSCC), assembly, erection and commissioning, preparation and submission of "As Built" drawings, site testing, carrying out demonstration tests at site and handover of EFFLUENT TREATMENT PLANT as per details in different sections / volumes of technical specification PE-TS-411-164A-A001 Rev-00 for 4X270 MW BHADRADRI TPS. The bidder's scope shall also include any other services, etc. if called for in the sections of the specification.

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. Anil Kumar Pal / Sr. Mgr., PG II-2, Ext. 8597

Email: [sanjeev\\_k@bhelpem.co.in](mailto:sanjeev_k@bhelpem.co.in), [anilkumarpal@bhelpem.co.in](mailto:anilkumarpal@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 02:00:00 PM (IST)**. The offer has to be deposited in tender box only. Part-I bids shall be opened at **03:00:00 PM (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](http://www.bhel.com).

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Regd. Office  
BHEL House Siri Fort  
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**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. Bidders has to note that this is a conditional Open Tender enquiry. Price bid (Part-II) opening/RA participation shall be subjected to-

1. Approval of bidder by end customer i.e. TSGENCO.
2. Techno-commercial recommendation bidders by BHEL PEM.

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 as per these 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-411-164A-A001 Rev-00**
- **Price format & Special Conditions of Contract (SCC rev-02)**
- **Financial PQR & Technical PQR**
- **NIT CONDITIONS along with Enquiry letter**

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. Delivery Terms:**

Supply - Delivery Completion shall be within 10 months from date of LOA.

The above delivery is subject to submission of drg./docs as per drawing schedule enclosed with technical specifications No.: PE-TS-411-164A-A001.

E & C schedule - Completion shall be within Four (04) months from front released by BHEL (Date for which site informs for mobilization shall be date of release of front).

Mandatory Spares and Tools & tackles (if any) are to be delivered along with the last consignment of main supply within the contractual delivery period.

6. Evaluation will be done on overall L1 (total cost to BHEL) basis. Bidder has to refer SCC & GCC for the same.

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7. BGs should be in favour of BHEL-PSWR in place of PEM. Vendors will be required to submit BGs to executing agency BHEL-PSWR.
8. Bidders to comply HSE (Health, Safety and Environment) guidelines of BHEL.
9. CIF is not available for subject package.
10. Integrity pact shall be applicable for the subject package. IEM name for the subject package is Sh. VVR Sastry, Ex-CMD/ BEL.
11. 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](http://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.
12. Bidders have 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.
13. All correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address :

<b>Mr. Sanjeev Kumar, Asst. Engr, PG-II-2</b> <b>M/s. Bharat Heavy Electricals Ltd.,</b> <b>Project Engineering Management,</b> Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301,U.P.,INDIA <b>E-MAIL: sanjeev_k@bhelpem.co.in</b> <b>Ph. No. +91-120-4368590</b>	<b>Mr. Anil Kumar Pal Sr. Mgr, PG-II-2</b> <b>M/s. Bharat Heavy Electricals Ltd.,</b> <b>Project Engineering Management,</b> Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301,U.P.,INDIA <b>E-MAIL: anilkumarpal@bhelpem.co.in</b> <b>Ph. No. +91-120- 4368597</b>
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14. a). In case of joint bidding, Consent letter/JDU is also required for acceptance of part order by foreign bidder and balance by Indian vendor. Total overall responsibility including submission of BG of the contract shall be the foreign bidder.  
b). In case of joint bidding & both parties being Indian (i.e. Main Bidder/Contractor along with Associate partner). Total overall responsibility including submission of BG of the contract shall be of the Main Bidder/Contractor.
15. a). In case of joint bidding part by Foreign & Indian Bidder, Bidders shall be asked 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.  
b). In case of joint bidding & both parties being Indian, Bidders shall be asked to furnish scope matrix which should be clearly defined between Main Bidder/Contractor and their Associate Partner along with the offer for the Main Supply and Erection & Commissioning.
16. Bidders have to note that BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA.

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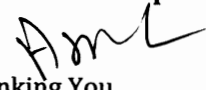
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Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

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.

Terms and Conditions of Reverse Auction shall be as per enclosed annexure-I.

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. 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.
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-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 enquiry if any deficiency in the above required documents are not submitted before price bid opening. Documents should ne notarized or attested by a Gazetted officer.
20. **All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website ([www.bhel.com](http://www.bhel.com)) & BHEL-PEM website ([www.bhelpem.com](http://www.bhelpem.com)) only. Bidders should regularly visit websites to keep themselves updated.**

  
Thanking You,  
For and on behalf of BHEL  
Anil Kumar Pal  
Sr. Mgr/PGII-2/BHEL-PEM

**Enclosures:**

1. Technical Specification : PE-TS-411-164A-A001 Rev-00
2. Financial PQR
3. Technical PQR
4. BOQ CUM Price Schedule (Prices should be quoted strictly in this format only).
5. SCC Rev. 02 of 4x270 MW BHADRADARI TPS
6. HSE Guidelines.
7. Terms and Conditions of Reverse Auction - Annexure-I.

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PROJECT: 4X270 MW BHADRADRI TPS  
EFFLUENT TREATMENT PLANT

PRICE SCHEDULE FOR FOREIGN BIDDER

FOREIGN BIDDERS		IMPORTED ITEMS (Supply not from Indian Territory)							INDIGENEOUS ITEMS (Supply from Indian Territory)							TOTAL SUPPLY			PG TEST & HANDING OVER THE PLANT			GRAND TOTAL
Sl. No.	DESCRIPTION OF EQUIPMENT / ITEM	TOTAL F.O.B. Price (including seaworthy packing, handling and transportation to Vendor's own port.) (Currency)	Ocean Freight (Currency)	Ocean / Marine Insurance	Custom Duty after waiting CENVAT benefit if applicable (INR)	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.B. site imported items supply price (Currency * INR)	TOTAL EX-WORKS PRICE (INR)	ED including cess @ ...% (for self manufactured items only) (INR)	CST @ ...% Against C-Form & E/E3 or VAT @ ...% whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX) @ ...% OF TOTAL EX-WORKS (INR)	TOTAL F.O.B. SITE PRICE (INR)	Total FOR SITE IMPORTED + INDIGENEOUS SUPPLY (Currency+INR)	E & C CHARGES (IN INR)	Service tax on column no. 15 @ ...% INCLUDING SBC (IN INR)	E & C Charges including service tax (IN INR)	CHARGES for PG test and handling over the Plant (IN INR)	Service tax on column no. 18 @ ...% incl. SBC (IN INR)	CHARGES for PG test and handling over the Plant including service tax (IN INR)	Total Lumpsum Price (INR)		
1	2	3	4	5	6	7	8-3+4+6+7	9	10	11	12	13=9+10+11+12	14=8+13	15	16	17=15+16	18	19	20=18+19	21=14+17+20		
1.0	Total lump sum firm price on FOR site basis to cover design, engineering, manufacture, fabrication, assembly, inspection & testing at manufacturer's works, delivery at site including start up and commissioning spares, mandatory spares, properly packed for transportation, unloading / handling and storage at site, in site transportation, supervision of civil works at site for clarifier (HRSCC), assembly, erection and commissioning, preparation and submission of 'As Built' drawings, site testing, carrying out demonstration tests at site and handover of EFFLUENT TREATMENT PLANT as per details in different sections / volumes of this specification for EFFLUENT TREATMENT PLANT for 4X270 MW BHADRADRI TPS.			BHEL SCOPE																		
Bladder to note that total price indicated above at 1 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.																						
In case, price indicated above does not match with item wise break-up given at 2, the highest price so calculated shall be considered for evaluation but in case of order, the same shall be placed at the lowest price.																						
1.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1 ABOVE																					
1.1	Total lumpsum firm price for EQUIPMENT (SUPPLY, DESIGN & ENGINEERING) i.e. manufacture, fabrication, assembly, inspection & testing at vendor's & sub-vendor's works, painting, start up and commissioning as required, forwarding, proper packing, shipment and delivery at site, inclusive of all taxes & duties for the complete scope of supply of entire Effluent Treatment plant as per the details in different sections / volumes of technical specification (PE-TS-411-164A-A001) for 4X270 MW BHADRADRI TPS.			BHEL SCOPE																		
1.2	Total lump sum firm price for all services including loading/unloading / handling and storage at site, in site transportation, supervision of civil works at site for clarifier (HRSCC), assembly, erection and commissioning, trial run, preparation and submission of 'As Built' drawings, site testing etc. (included for completion of entire Effluent Treatment plant as per the details in different sections / volumes of technical specification (PE-TS-411-164A-A001) for 4X270 MW BHADRADRI TPS.			BHEL SCOPE																		
1.3	Price for demonstration test and handing over the plant to the customer inclusive of all taxes & duties.			BHEL SCOPE																		
1.4	Price for Mandatory spares (as per list indicated in Section C1 of tender technical specification) inclusive of all taxes & duties.			BHEL SCOPE																		
1.5	Break-up (%) of prices given at Sl No-2.1 above (To be used during contract execution for payment).			BHEL SCOPE																		
1.6	Lumpsum firm price for supply of Atmospheric tanks and pressure vessels inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.7	Lumpsum firm price for supply of Valves inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.8	Lumpsum firm price for supply of control panel, instruments, FO cable inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.9	Lumpsum firm price for supply of Pumps & Blowers with motor inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.10	Lumpsum firm price for supply of Piping & Fittings inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.11	Lumpsum firm price for supply of clarifier assembly, lamella clarifier / tube settler plates & media, agitators, strainers inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.12	Lumpsum firm price for supply of UF and RO system inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.13	Lumpsum firm price for supply of Balance items inclusive of all taxes, duties and other levies as applicable.			BHEL SCOPE																		
1.14	Submission & approval of all documents comprising of following documents as minimum requirement (i.e. basic engineering documents)			BHEL SCOPE																		

Bidder shall furnish this price schedule in his offer only

Handwritten signature/initials

PROJECT: 4X270 MW BHADRADRI TPS  
EFFLUENT TREATMENT PLANT

PRICE SCHEDULE FOR INDIAN BIDDERS

Sl. No.	DESCRIPTION OF EQUIPMENT / ITEM	TOTAL EX- WORKS PRICE (INR)	ED including cess @...% (for self manufactured items only)	CST @ .....% Against C-form & E1/E2 or VAT @.....% Whichever is applicable (INR)	FREIGHT (including service tax, if any) @ .....% of total ex-works price	TOTAL F.O.R SITE PRICE (INR)	E & C charges (INR)	SERVICE TAX @ .....% incl. SBC on E&C Charges (INR)	E & C Charges INCLUDING SERVICE TAX (INR)	Charges for PG Test & Handing over the Plant (INR)	SERVICE TAX @ .....% incl. SBC on Charges for PG Test & Handing over the Plant (INR)	Charges for PG Test & Handing over the Plant including service Tax (INR)	Total Lumpsum price (INR)
1	2	3	4	5	6	7=3+4+5+6	8	9	10=8+9	11	12	13=11+12	14=7+10+13
1.0	Total lump sum firm price on FOR site basis to cover design, engineering, manufacture, fabrication, assembly, inspection & testing at manufacturer's works, delivery at site including start up and commissioning spares, mandatory spares, properly packed for transportation, unloading / handling and storage at site, in site transportation, supervision of civil works at site for clarifier (HRSCC), assembly, erection and commissioning, preparation and submission of "As Built" drawings, site testing, carrying out demonstration tests at site and handover of EFFLUENT TREATMENT PLANT as per details in different sections / volumes of this specification for EFFLUENT TREATMENT PLANT for 4X270 MW BHADRADRI TPS.												
a)	Bidder to note that total price indicated above at 1 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.												
b)	In case, price indicated above does not match with item wise break-up given at 2, the highest price so calculated shall be considered for evaluation but in case of order, the same shall be placed at the lowest price.												
2.0	<b>MAJOR BREAK-UP OF PRICES GIVEN IN 1 ABOVE</b>												
2.1	Total lumpsum firm price for EQUIPMENT (SUPPLY, DESIGN & ENGINEERING) i.e.manufacture, fabrication, assembly, inspection and testing at vendor's & sub-vendor's works, painting, startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, inclusive of all taxes & duties for the complete scope of supply of entire Effluent Treatment plant as per the details in different sections / volumes of technical specification (PE-TS-411-164A-A001) for 4X270 MW BHADRADRI TPS.												
2.2	Total lump sum firm price for all services including loading/unloading / handling and storage at site, in site transportation, supervision of civil works at site for clarifier (HRSCC), assembly, erection and commissioning, trail run, preparation and submission of "As Built" drawings, site testing etc. required for completion of entire Effluent Treatment plant as per the details in different sections / volumes of technical specification (PE-TS-411-164A-A001) for 4X270 MW BHADRADRI TPS.												
2.3	Price for demonstration test and handing over the plant to the customer inclusive of all taxes & duties.												
2.4	Price for Mandatory spares (as per list indicated in Section C1 of tender technical specification) inclusive of all taxes & duties.												
3.0	Break-up (%) of prices given at SI No-2.1 above (To be used during contract execution for payment).												
3.1	Lumpsum firm price for supply of Atmospheric tanks and pressure vessels inclusive of all taxes, duties and other levies as applicable.												
3.2	Lumpsum firm price for supply of Valves inclusive of all taxes, duties and other levies as applicable.												
3.3	Lumpsum firm price for supply of control panel, Instruments, FO cable inclusive of all taxes, duties and other levies as applicable.												
3.4	Lumpsum firm price for supply of Pumps & Blowers with motor inclusive of all taxes, duties and other levies as applicable.												
3.5	Lumpsum firm price for supply of Piping & Fittings inclusive of all taxes, duties and other levies as applicable.												
3.6	Lumpsum firm price for supply of clarifier assembly, lamella clarifier / tube settler plates & media, agitators, strainers inclusive of all taxes, duties and other levies as applicable.												
3.7	Lumpsum firm price for supply of UF and RO system inclusive of all taxes, duties and other levies as applicable.												
3.8	Lumpsum firm price for supply of Balance items inclusive of all taxes, duties and other levies as applicable.												
3.9	Submission & approval of all documents comprising of following documents as minimum requirement (i.e. basic engineering documents)												

Bidder shall furnish this price schedule in his offer only

Handwritten signature/initials