



Ref. Enquiry No.: PE/PG/OPGCL/E-4505/2014 DATED 18.07.2014

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| DUE DATE |
| 12.08.2014, |
| BY 02.00 PM (IST) |

Dear Sir,

Subject: Tender Enquiry for "OXYGEN DOSING SYSTEM" as per Technical Specification No. PE-TS- 391-154-12000A-A001 for 2X660 MW OPGCL IB THERMAL POWER STATION, BANHARPALI, UNITS 3 & 4.

BHEL invites offers from reputed Vendors (Refer pre-qualifying requirements and other requirements given in tender enquiry letter hosted/uploaded on BHEL website www.bhelpem.com & www.bhel.com) for design, manufacture, inspection and testing at manufacturer's works, proper packing and delivery to site of subject package as mentioned in different sections of this subject specification for 2X660 MW OPGCL IB THERMAL POWER STATION, BANHARPALI, UNITS 3 & 4.

Your offer shall be submitted in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of GCC, Rev. 06 in quintuplicate (5 sets), in sealed covers for the under mentioned equipment/system.

| Item Description – OXYGEN DOSING SYSTEM | | |
|---|--|-----------------------------|
| Sl. No. | Project | TECHNICAL SPECIFICATION NO. |
| 1 | 2X660 MW OPGCL IB THERMAL POWER STATION, BANHARPALI, UNITS 3 & 4 | PE-TS- 391-154-12000A-A001 |

Your best quotation/offer for the above requirement, in line with our terms and conditions, should either be delivered in person or sent by **COURIER/REGISTERED or SPEED POST**, to the following address only:

Tender Box, Tender Room, Ground Floor, PPEI Building
K.A- HASEEN AHMED, DY.MGR, PG-II-1
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: haseenahmed@bhelpem.co.in
Ph. No. +91-120-4368729;

It shall be the responsibility of the bidder to ensure that the tender is delivered on or before the **due date by 02:00 A.M. (IST)**. **The offer has to be deposited in tender box only.** Part-I bids shall be opened at **03:00 P.M. (IST)** on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Note: Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price. The actual price is to be filled in separately and submitted in sealed price bid as mentioned in enquiry terms and conditions under.

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

ENQUIRY TERMS AND CONDITIONS:

Please refer GCC Rev-06 which is available on <https://www.bhelpem.com/Information.aspx>. Bidders are requested to kindly download the same. Bidders are requested to go through the same while submitting the offer.

1. Enquiry No., due date etc. must be legibly super scribed on the sealed envelopes as per clause no. 2.0 of "Instructions to Bidders" of GCC, Rev. 06.
2. Offers should be submitted in two parts i.e. in two separate sealed covers as follows:
Part-I: TECHNO-COMMERCIAL BID **Part-II: PRICE BID**
For detailed instructions, please see clause no. 2.0 of "Instructions to Bidders" of GCC Rev. 06.



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3. Bidders shall submit their offers (in quadruplicate) meeting the requirements of the following tender documents (enclosed) indicated in GCC, Rev. 06 and other Terms and Conditions included in this Enquiry Letter:
 - a. **ANNEXURE-I:** To be furnished by the Bidders.
4. Bidders to note that following form the part of tender documents:
 - a. General Conditions of Contract (GCC) Rev 06.
 - b. Technical Specifications.
 - c. Price format & Special Conditions of Contract (SCC) Rev.00.
 - d. Financial PQR & Technical PQR.
 - e. NIT Conditions
 - f. Any other document enclosed with NIT.
5. Bidders to note that offers shall be submitted strictly in accordance with the requirements of the above tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out clearly with their techno-commercial offer as per annexure-II of GCC Rev-06

Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS as per General Conditions of Contracts (GCC, Rev.06), Special Conditions of Contract and Notice Inviting Tender (NIT)" in case of no deviations.

6. Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.
7. Unsolicited Fresh/Revised Price Bids shall not be entertained.
8. Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.
9. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be dispatched only after Purchaser's/Owner's inspection of the hold points specified in the approved Quality Plan and issue of Material Dispatch Clearance Certificate (MDCC).
10. Late tenders will be rejected.
11. All correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

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|---|---|
| HASEEN AHMED, DY.MGR, PG-II-1 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: haseenahmed@bhelpem.co.in Ph. No. +91-120-4368729; | S BHATTACHARJEE, AGM, PG-II-1 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: sbhattacharjee@bhelpem.co.in Ph. No. +91-120-43686644 |
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12. **INSTRUCTIONS REGARDING CENTRALISED TENDER ROOM:**

- a) Vendors are advised to submit the tenders in the tender box, containing Part-I & II offers in separate covers, preferably cloth lined envelopes should be used, properly marked before due date and time.
- b) The dispatch department shall not accept any tender in torn condition and return the same to the courier immediately with the Stamping "Returned to Sender-Package Damaged". Offers in damaged condition will not be considered and no request for extension on this account will be considered.
- c) Bidder's representative shall deposit the offer in tender box only.



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- d) Bidders shall be allowed in the tender room in area identified for bidders and only one authorized representative from each bidder shall be allowed.
- e) Bidder shall not be allowed to carry mobile/camera/ laptop in the tender room. The same shall have to be deposited at security in advance and taken back after tender opening.
- f) Details of offers shall be read out to bidders and in no case the offers shall be handed over to any of the bidders for noting down.
- g) Please ensure tender submission, minimum 1 hour before scheduled tender opening time. Late tenders shall not be accepted.

13. **Reverse Auction:**

"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. 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 governing RA shall be as per annexure-A.

- 14. **Delivery Schedule** :- Delivery shall be within (06) months from drawings/documents approval. First submission of basic drawings/documents-(P & ID, GA drawings and foundation details and Quality plan) shall be within 3 weeks from the date of PO/LOI and every revised submission incorporating comments within 7 days. In case there are delays of submission of documents from 3 weeks of order or 7 days of comments, that much days would be reduced from delivery period.
- 15. **Pre-Qualifying Requirement:-**
Please find the TECHNICAL & FINANCIAL PRE-QUALIFICATION REQUIREMENT CRITERIA. Only those vendors, who fulfil these requirements, are eligible to participate in this tender.
- 16. Bidder to note that CIF is not available for this package.
- 17. 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.
- 18. Bidder to note that this is a conditional Global Tender enquiry for those who are not registered with BHEL PEM and/or are not approved by Customer for the subject project/ package, and the price bid (Part-II) opening/RA shall be subject to following criterion:
 - a) Approval of bidder by BHEL
 - i. The bidders (who are not registered with BHEL PEM) to download the Supplier Registration Form (SRF) from www.bhel.com or <http://www.bhelpem.com/vendor%20Corner.aspx> and submit the same duly filled in along with credentials- experience list, performance certificates and other statutory data to our Vendor Development section with intimation to us.
 - b) Approval of bidder by 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:-
 - i. Company Profile
 - ii. Recent Purchase orders copies
 - iii. Reference list indicating PO details, customer name, PO date, execution date etc.
 - iv. Performance certificate issued by the clients.
- 19. Indian Bidders to quote freight charges in percentage of their Total ex-works price.
- 20. Evaluation will be done on overall L1 (Total cost to BHEL) basis.
- 21. PVC not applicable.



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22. Foreign bidders quoting along with their Authorised Indian associates to comply BHEL guidelines which is available on <https://www.bhelpem.com/Tenders.aspx>
23. Insurance (Ocean and Inland) is in BHEL's scope.
24. Please note that detailed offers are to be submitted including the following documents:
- Acceptance of GCC Rev.06
 - Acceptance of Special Conditions of Contract (SCC) of the project.
 - Pre-qualifying Requirements (PQRs) along with supporting documents–
 - ❖ FINANCIAL PQR
 - ❖ TECHNICAL PQR
 - Technical and commercial deviations as per Annexure-II of GCC Rev. 06, if any
 - A copy of this letter duly signed & stamped on each page as token of acceptance of all terms & instructions conveyed
 - Un-Priced price schedule (format) duly filled in 'Quoted' or 'Q' in each column/row
 - 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.

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.

Thanking You.

Yours faithfully,
For and on behalf of BHEL

HASEEN AHMED
(DY.MGR/PG-II-1/BHEL-PEM)

Enclosures:

1. Technical Specification
2. Financial PQR
3. Technical PQR
4. Price format/schedule (Prices should be quoted strictly in this format only)
5. Annexure – I - Terms & Conditions of Reverse Auction
6. Special Conditions of Contract (SCC) Rev. 00

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) 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(s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

PRICE FORMAT FOR OXYGEN DOSING SYSTEM: 2X660 MW OPGCL IB BANIHARPALLI TPP

| Sl. No. | DESCRIPTION OF EQUIPMENT / ITEM | QTY. | FOR INDIAN BIDDER (IN INR) | | | | FOR FOREIGN BIDDERS | | | |
|---|--|---------|-----------------------------------|------------------------------------|---------------------|--|---------------------|--|------------------------|---------------------------|
| | | | UNIT PRICE EX-WORKS (DULY PACKED) | TOTAL PRICE EX-WORKS (DULY PACKED) | EXCISE DUTY @.....% | CST against form C @.....% / VAT @.....% | SERVICE TAX @.....% | FREIGHT CHARGES (incl service tax) @.....% of total ex-works | TOTAL PRICE (FOR SITE) | UNIT FOB PRICE (CURRENCY) |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | | |
| 1.0 | Total lump sum price on FOR site basis for design, engineering, manufacture, fabrication, assembly, inspection and testing at manufacturer's works, start up and commissioning spares, mandatory spares, supply and dispatch to power station site of skid mounted OXYGEN DOSING SYSTEM alongwith other items including supervision of commissioning by experience/capable engineer, freight, all prevailing taxes, duties and other levies of as required for the total scope defined as per BHEL specification no PE-TS-391-154-12000A-A001 and subsequent clarifications confirmation, correspondences with the bidders till date | | | | | | | | | |
| <p>NOTES:</p> <p>a) Bidder to note that total price indicated above at 1.0 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</p> <p>b) In case, price indicated above does not match with total of item wise break-up given at 2.0, the higher price so calculated shall be considered for evaluation but in case of order, the same shall be placed at the lowest price</p> | | | | | | | | | | |
| 2.0 MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE | | | | | | | | | | |
| 2.1 | Total lump sum price on FOR site basis for design, engineering, manufacture, assembly, inspection and testing at manufacturer's works, packing, supply and delivery at site, including freight for OXYGEN DOSING SYSTEM complete with all accessories for the total scope defined as per BHEL specification no PE-TS-392-154-12000A-A001 and subsequent clarifications confirmation, correspondences with the bidders till date | | | | | | | | | |
| 2.1.1 | Oxygen dosing skid (including two cylinders mounted on each skid) | 4 nos. | | | | | | | | |
| 2.1.2 | Accessories (as described below) | | | | | | | | | |
| 2.1.2.a | Injector Assembly | 8 nos. | | | | | | | | |
| 2.1.2.b | 1/2" OD, 18 BWG, SS 316 tubing for oxygen dosing | 400 m | | | | | | | | |
| 2.1.2.c | SS 316 Tube fittings --tees | 20 nos | | | | | | | | |
| 2.1.2.d | SS-316 Compression fittings | 74 nos | | | | | | | | |
| 2.1.2.e | SS 316 Tube fittings --90° elbows | 20 nos | | | | | | | | |
| 2.1.2.f | Filled oxygen cylinders (Each of 50 lt water volume filled at 204 Kg/cm ² pressure) | 68 nos. | | | | | | | | |
| 2.1.2.g | Rack to hold 34 filled oxygen cylinders | 2 nos. | | | | | | | | |
| 2.2 | Supply of Commissioning spares/special tools & tackles inclusive of all taxes, duties etc. on "FOR" site basis (as and if deemed necessary by the bidder for commissioning of his skid) (in case quoted, bidder to furnish price break up separately) | | | | | | | | | |

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| Sl. No. | DESCRIPTION OF EQUIPMENT / ITEM | QTY. | UNIT PRICE EX- WORKS (DULY PACKED) | TOTAL PRICE EX- WORKS (DULY PACKED) | EXCISE DUTY @.....% | CST against form C @.....% / VAT@.....% | SERVICE TAX @.....% | FREIGHT CHARGES (incl service tax) @.....% of total ex- works | TOTAL PRICE (FOR SITE) | UNIT FOR PRICE (CURRENCY) | TOTAL FOR PRICE (CURRENCY) |
|---------|---|--|--|---|------------------------|---|------------------------|--|------------------------|------------------------------|-------------------------------|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | | | |
| 2.3 | Mandatory Spares as per the following details:-(As Applicable) | | | | | | | | | | |
| 2.3.1 | Electronic Transmitters (Differential Pressure, Level, Speed etc.) all types | 2 (Two) nos. complete set for each type and model/range used in the system. | | | | | | | | | |
| 2.3.2 | Pressure Transmitters | 2 (Two) nos. | | | | | | | | | |
| 2.3.3 | Solenoid Valve | | | | | | | | | | |
| 2.3.3.1 | Complete Solenoid Valve Assembly | 4 Nos. for each type and rating used in the system | | | | | | | | | |
| 2.3.3.2 | Coil (single or double coil type) | 10% of total nos. used in the system or minimum 10(Ten) Nos. whichever is more for each type and rating. | | | | | | | | | |
| 2.3.4 | Gauge (Differential Pressure, Temperature, Level) | 10% of total nos. used in the system or minimum 2(Two) nos. whichever is more for each type and range. | | | | | | | | | |
| 2.3.5 | Pressure Gauge with needle valve | 2 (Two) nos. | | | | | | | | | |
| | Total of 2.3.1 to 2.3.5 | | | | | | | | | | |
| | Total of 2.1.1, 2.1.2.a, 2.1.2.b, 2.1.2.c, 2.1.2.d, 2.1.2.e, 2.1.2.f, 2.1.2.g, 2.2 and 2.3 | | | | | | | | | | |
| 3.0 | Supervision of Commissioning (By Experienced/Capable Engineer): | | | | | | | | | | |
| 3.1 | Lump sum supervision charge for Two (2) Visits (Comprising eight (8) mandays), inclusive of charges of Air-Fair/Rail-Fair Boarding/Logging Local conveyance etc | 2 Visits | | | | | | | | | |

H. S. Rao