

Ref. Enquiry No.: PE/PG/BHU/E-6239/2019

Dated: 24.06.2019

DUE DATE
04 JULY 2019
By 02.00 P.M

Subject :- N.I.T- ENQUIRY FOR CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS) as per Technical Specification No PE-TS-415-165-N002 (REV. 00) for 1 x 660 MW BHUSAWAL TPS UNIT - 6.

We are pleased to invite your offers in two parts strictly as per Clause-2.0 of GCC Rev- 06 of the enclosed instructions to bidders via **E-procurement** (<https://bhel.abcpurchase.com>) under mentioned equipment's /system.

BHEL invites offers from reputed Vendors (refer requirements given in this enquiry letter uploaded on E-Procurement Portal (<https://bhel.abcpurchase.com>) under Tender Reference for Design, Manufacture, assembly, Inspection and testing at Manufacturer's works, proper packing, and Site Activities (Installation checks, Commissioning & Trial Run & PG test) along with mandatory spares complete with all accessories as per the requirements specified in this specification and any other services, etc and delivery to site **CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS)**, for 1 X 660 MW BHUSAWAL TPS as specified/ defined as per tender documents & Technical specification no. PE-TS-415-165-N002 (REV. 0), amendment & agreements till placement of order.

Detailed scope of work & details shall be as per tender documents and other details hosted on above websites.

Sl. NO.	ITEM DESCRIPTION.	Quantity	Delivery
1	CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS)	As per BOQ cum Price Schedule	As per cl no. 13 below

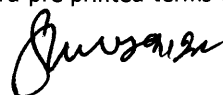
Your best quotation/offer for the above requirement, in line with our terms and conditions, should be uploaded in e-procurement Portal. It shall be the responsibility of the bidder to ensure that the tender is uploaded on or before the due date and time. Part-I bids shall be opened at **03.00 P.M** on due date & time through e-procurement Portal.

Note: 1. Detailed tender documents have been uploaded at the following websites.

<https://eprocure.gov.in/cppp/>
<https://bhel.abcpurchase.com/EPROC/>
www.bhelpem.com
www.bhel.com

Bidders are requested to upload their best offer on <https://bhel.abcpurchase.com> only.

- Terms and Conditions:** - Please refer **GCC (Rev. 06) which is available on www.bhelpem.com/Tenders.aspx**. GST related corrigendum to GCC (Rev. 06) is enclosed and same is to be considered along with (GCC Rev.06). Bidders are requested to go through the same while submitting the offer.
 - Bidders shall upload their offers meeting the requirements of the following tender documents (enclosed) and other Terms and Conditions included in this Enquiry Letter:
 - Part-I: Techno-Commercial Bid:** Comprising of technical offer, Annexure-I of GCC Rev 06, Commercial terms and conditions, unpriced copy of price bid and Annexure-II of GCC Rev 06
 - Part-II: Price Bid:** Containing prices, **cost of withdrawal of deviation (As per Annexure-II of GCC Rev 06)**, to be uploaded, strictly, as per price schedule of BHEL for complete scope of Tender enquiry.
 - Bidders shall submit their offers meeting the requirements of the following tender documents indicated in GCC (Rev. 06) and other Terms and Conditions included in this Enquiry Letter:
 - Bidders to note that following form the part of tender documents:
 - General Conditions of Contract (GCC) Rev 06 comprising of: **Instructions to Bidders and General Commercial Terms & Conditions** and GST related corrigendum to GCC Rev06
 - Technical Specifications.
 - Technical PQR
 - Price format & Special Conditions of Contract (SCC Rev. 01).
 - Enquiry terms & conditions
 - Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.



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5. Tenders shall be submitted strictly in accordance with the requirements of the above mentioned tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out separately in Annexure-II of GCC Rev-06 (to be read in conjunction with GST related corrigendum to GCC (Rev. 06) along with reasons for taking such deviations. Any deviations (Technical as well as Commercial) not mentioned in the Annexure-II shall not be considered. Bidders to note all the points mentioned in "Notes" of Annexure-II to GCC Rev.06 along with GST related corrigendum to GCC Rev06.
6. 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.
7. Standard pre-printed terms & conditions of the tenderers shall not be considered valid.
8. If any bidder has mentioned the term Not Applicable / not required / not quoted in BHEL price format, the same to be substantiated by the bidder. If such item is required to be supplied for system completion in future, same will be supplied free of cost by Vendor.
9. In case there is no change in the technical scope and / or specification and / or commercial terms and conditions, the bidder/s shall not be allowed to change his / their price bids after the due date within the validity period.
10. Any other taxes & Duties applicable on the date of bid but not quoted by the bidders shall be to bidder account.
11. 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.
12. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be despatched only after Purchaser's/Owner's inspection at the hold points specified in the approved Quality Plan and issue of Material Despatch Clearance Certificate (MDCC).
13. **Delivery Terms: -**

i) **For Supply (along with commissioning spares):** - Five (05) months from the date of primary drawing/docs approval in CAT – 1 issued by BHEL/ Customer. The drawings/Documents to be submitted by bidder in the event of order shall be as per cl. No. 11.0 of section IA of technical specification.

Foreign bidders to quote on C & F (Cost & Freight) Indian port basis instead of FOB basis.

Drawings submission shall be complete in all respects with revised drawing submitted incorporating all comments. Any incomplete drawing submitted shall be treated as non-submission with delays to bidder's account. For any clarification/ discussion required to complete the drawings, the bidder shall himself depute his personal to BHEL for across the table discussions/ finalizations/ submissions of drawings.

Drawing submission schedules are to be adhered by the bidders and any delay in the same from bidder's end shall be deducted from delivery period indicated from document approval.

The vendor shall be responsible for getting approval from BHEL as early as possible and BHEL will support the process, in full, within above time frame and terms & conditions.

Note :- Commissioning/abrasive/Sponge balls to be supplied within 2 months from BHEL clearance.

- ii) **Site Activities** (Installation checks, Commissioning & Trial Run & PG test) :- Vendor to depute their representative to site for carrying out all the activities within two weeks of intimation by BHEL.
in case of delay in deputation, L.D. shall be leviable @ 0.5% per week of delay on value specified against service portion upto 10% value of service portion. However, total LD shall be within 10% of contract value)

- iii) **For Mandatory Spares: -**

"Delivery shall be 04 months from the date of manufacturing clearance. Separate dispatch/ manufacturing clearance will be issued for mandatory spares.



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14) Payment Terms: -

- Payment terms for Main Supply & Mandatory Spares shall be as per Cl.no. 9.2 & 9.1 of corrigendum to GCC (Rev. 06) respectively.
- Payment terms for **Site Activities** shall be as per Cl. 9.5 of corrigendum to GCC (Rev. 06).

15. All Indian Bidders have to quote freight charges in percentage of their quoted Total Ex-works prices

16. In case of foreign bidders following term & conditions shall be applicable for importing materials on C&F basis.

- Shipped on board date mentioned on the clean Bill of Lading or Air way Bill, shall be treated as the date of Shipment/ Dispatch for calculation of LD.
- Usance period (90 days) of the L/C shall start from the date of Bill of lading/Air Way Bill.
- Bill of Lading shall be considered as equivalent document (refer clause 9.7.1 b OF GCC rev-06) for recognition of dispatch.
- For claiming payment under clause 9.1.1 and 9.2.1 Bill of lading shall be considered instead of receipted LR (refer clause 9.7.2 b of GCC rev-06)
- Freight is to be quoted as inclusive in basic price by vendor and is not to be quoted separately.
- Insurance for evaluation purposes shall be @ 0.1 % of quoted C&F price
- There will be no change in MRC payment.

17. Offers should be submitted separately in two parts **online through e-procurement system only**, however, all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

RAJEEV RANAJN, Dy. Engr, PG-III 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: ranjanrajeev@bhel.in Ph. No. +91-120-4368838; Mob: +919968879839	SHRI PRAKASH YADAV, Dy. Mgr, PG-III 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: spyadav@bhel.in Ph. No. +91-120-4213621, Mob: +919911775641
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18. Overall (%) quantity variation on overall package value due to changes in the scope shall be +/-5% which will prevail over the quantity variation clause no. 6.0 indicated in the GCC rev 06.

19. Evaluation shall be done on overall L1 basis (Total cost to BHEL) excluding GST quoted by bidders (with necessary loading – as applicable) only.

20. If any bidder quoted/indicated freight value as NIL/Inclusive – the freight value has been derived as 1.583% of ex-works price & same shall be considered for evaluation purpose.

21. Pre-Qualifying Requirement:

Bidders are requested to furnish the details as per "TECHNICAL PRE-QUALIFYING REQUIREMENTS" (enclosed with the enquiry document). Along with the offer, bidders to furnish all legible & valid documents required as per Technical PQR. The same shall be properly co-relating with respective clause of PQR. Bids of only those bidders, who meet the Technical pre-qualifying requirements, shall be evaluated.

22. 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 conditions: -

- Approval of bidder by End Customer.
- Techno-commercial recommendation by BHEL

Approval shall be taken up by BHEL with customer based on the credentials / reference list. Hence, bidders are requested to submit the following (a part of their credentials) on or before Part-1 opening / due date: -



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- (i) Company Profile
- (ii) List of projects executed/ on hand for power sectors / Govt. organizations for the subject package.
- (iii) Performance Certificates for satisfactory working of the system /equipments.
- (iv) Copies of major supply order executed by the vendor.

23. For registration in BHEL PEM – Online registration portal is operational; Non-registered Vendors who wish to apply for registration in BHEL-PEM can apply through Online Registration Portal available at www.bhhelpem.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. Above shall be part of NIT.
24. L1 bidder will have to submit BG as per format enclosed with Enquiry Letter (NIT) instead of format mentioned in GCC, Rev.06.
25. CIF content: - Available for this package vendor to quote accordingly.
26. PVC is not applicable for this package.
27. "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).

IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

The Bidders has to quote the Single Price (i.e. Total Cost to BHEL i.e. Grand total FOR site excluding GST) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, Freight charges, Insurance charges (if applicable), Cost of withdrawal (if any), including loading (if any), De-loading (if any) shall be done in line with NIT terms

28. Link for RA guidelines to be followed as:

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

29. **Risk and Cost Purchase clause:** - 5% overhead charges to be considered instead of 30% (presently in GCC Rev 06 clause no 26.2(b)).
30. Bid should be free from correction, overwriting, using corrective fluid, etc. Any interlineation, cutting, erasure, or overwriting shall be valid only if they are attested under full signature (s) under of person (s) signing the bid else bid shall be liable for rejection". **Price should be mentioned in figure & words also.**



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31. If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e-procurement, in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Hence all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch.
32. All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.bhelpem.com, www.bhel.com & <https://bhel.abcpocure.com>) under subject tender reference. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender. For Bidders' convenience, the Helpdesk Nos. of E-Procurement Portal are also listed below:

Name	Contact Nos.	e-mail ID	Role	Location
Mukunthan	+91 6353215001	Trichy.bhel@eptl.in	Support Executive	Trichy
Tej Singh	+91 6353215002	Bhopal.bhel@eptl.in	Support Executive	Bhopal
Sanjeev Kumar	+91 6353215003	Jhansi.bhel@eptl.in	Support Executive	Jhansi
Gaurav Panwar	+91 6353215004	Haridwar.bhel@eptl.in	Support Executive	Haridwar
Mallikarjun	+91 6353215005	Bengaluru.bhel@eptl.in	Support Executive	Bangalore
Avinash Govu	+91 6353215007	Hyderabad.bhel@eptl.in	Support Executive	Hyderabad
Swapnil Hamilton	+91 7940270549	swapnil.h@eptl.in	Support Executive	HO – Ahmedabad
Hardik Oza	+91 7940270560	Hardik.oza@eptl.in	Support Executive	HO – Ahmedabad
Ankur Bhatt	+91 7940270590	ankur.bhatt@eptl.in	Support Executive	HO – Ahmedabad
Prashant Rajyaguru	+91 7940270545	prashant@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad
Dharam Rathod	+91 7940270596	dharam@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad
Pradip Parmar	+91 7940270532	pradip@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad
Devang Patel	+91 7940270576	devang@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad

33. All the tender documents shall automatically become a part of the Order/Contract after its finalization.
34. The bidder along with its associate/collaborators/sub vendor/subcontractors/sub vendors/consultants/ service providers shall strictly adhere to BHEL fraud Prevention Policy displayed on BHEL website 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.

BHEL Fraud prevention policy is also uploaded in vendor's section on www.bhelpem.com.
<https://www.bhelpem.com/Documents/BHEL%20Fraud%20Prevention%20Policy%20and%20Nodal%20Officers.pdf>

35. In case of joint bidding, Bidders shall be required 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.
36. "For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of the NIT but before finalization of contract/ PO/WO against the NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and / or local content in respect of this procurement, same shall be applicable. Vendors are requested to go through the above mentioned orders and confirm the following:"

The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content as per above mentioned orders and shall give details of the location(s) at which the local value addition is made.



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37. MSME/Start up Vendors to submit applicable documents along with their offer for availing the benefits as per GOI guidelines. Further BHEL-PEM is already registered with RXIL(TReDS) Platform. Bidders are requested to get registered with RXIL(TReDS) Platform to avail the facility as per GOI guidelines.
38. Bidders kindly note that this package is not divisible, purchase preference is 20% & Minimum local content is 100%. bidders to quote accordingly.
39. BHEL CONCILIATION SCHEME, 2018 is the part of NIT.
40. The offers of the bidders who are on the banned list and 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 website <http://www.bhel.com>.
41. Digital Signature: 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 subject tender enquires through e procurement.
42. All the terms & condition of SCC (Rev. 01) of Project, NIT, GCC (Rev-06) & corrigendum to GCC (Rev. 06) and Technical Specification shall be applicable for subject package
43. Detailed offers are to be uploaded including the following along with the Price schedule as per BHEL format enclosed with NIT:-
- Acceptance of GCC Rev-06 and corrigenda to GCC Rev 06
 - Acceptance of Special Conditions of Contract (SCC Rev. 01) for the project.
 - TECHNICAL Pre-Qualifying Requirement (PQR)
 - Technical & Commercial Deviations, if any alongwith Cost of withdrawal.
 - Along with your offer, please submit a copy of this letter duly signed & stamped on each page as token of acceptance of terms & instructions conveyed.
 - Un-Priced price format duly filled in 'Quoted' or 'Q' in each column/row.

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. Wherever GCC Rev06 is mentioned same is to be read in conjunction with GST related corrigendum to GCC (Rev06). Please note all correspondence from BHEL-PEM before part – I opening, shall also be part of NIT.

Thanking you,
Yours faithfully,

For and on behalf of BHEL-PEM **श्री प्रकाश यादव / Shri Prakash Yadav**
उप प्रबंधक (पी.जी.आई)/ Dy. Manager (PG-III)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अभियंत्रण प्रबंधन
Power Sector-Project Engineering Management
प्री प्रकाश यादव, एच.आर.डी.आई. एण्ड ईएसआई कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
(Dy. Mgr/PG-III/BHEL-PEM) प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

Enclosures:

- Enquiry Terms & Conditions
- BOQ cum Price Format (Prices should be quoted in this format only)-
- Technical Specifications no. PE-TS-415-165-N002 (REV. 0).
- SCC (Rev 01)
- Performance Bank Guarantee format.
- corrigendum to GCC (Rev.06).
- TECHNICAL Pre-Qualifying Requirement (PQR)
- Reverse Auction Guideline 2016.
- Cost of withdrawal (Deviations Sheet) for technical and commercial
- BHEL CONCILIATION SCHEME, 2018

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Annexure- A

PROJECT :- 1 X 660 MW BHUSAWAL TPS
 PACKAGE :- CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS)
 ENQUIRY No. :- PE/POBHU/E-6239/2019 Dtd. 24.06.2019

DESCRIPTION OF EQUIPMENT / ITEM		Qty/Unit	HSN/SAC CODE	UNIT PRICE (EX-WORKS) (Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	Freight % of total ex-works price	FREIGHT CHARGES @ PRICE (Rs.)	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT) (Rs.)	TOTAL F.O.R SITE PRICE (Rs.)	FOR FOREIGN BIDDER	
Mandatory Spares to be supplied under this specification.				(Rs.)-DULY PACKED	(Rs.)-DULY PACKED							UNIT COST ON C & F BASIS (COST & FREIGHT BASIS - AT INDIAN PORT) (CURRENCY)	TOTAL COST ON C & F BASIS (COST & FREIGHT BASIS - AT INDIAN PORT) (CURRENCY)
Sl. No	1	2	3	4	5	6	7	8	9	10	11	12	13
MANDATORY SPARES													
1	MECHANICAL ITEM- Sponge rubber balls for condenser on-load tube cleaning system	50000 Nos.	8479										
2	MECHANICAL ITEM- Ball circulating pumps (set consisting of shaft, rotor bearings, seals, gland package shafts sleeves for complete replacement in one pump)	1 set	8479										
C & I SPARES													
3	MEASURING INSTRUMENTS												
3.0	ELECTRONIC TRANSMITTERS		8479										
3.1.1	Transmitters of all types, ranges and model no. (for the measurement of Pressure, differential pressure flow, level etc.)	10% or 2 no. of each type and model, whichever is more	8479										
3.1.2	Electronic cards / PCB's for each type and model and model of transmitters	10% or 5 nos. of each type, whichever is more	8479										
3.2	TEMPERATURE ELEMENTS												
3.2.1	RIDs of each type & length	10% or 2 nos. whichever is more	8479										
3.2.2	Thermocouples of each type like K-type, R-type, metal etc and length	10% or 2 nos. whichever is more	8479										
3.2.3	Thermowell for T/C & RIDs	10% or 1 no. of each type, rating, length used in the system whichever is more	8479										
3.2.4	Process actuated switch devices including all types of pressure, differential pressure, flow, temperature, differential temperature, level switch devices	10% or 1 no. of each type and model whichever is more	8479										
3.3	INDICATORS/RECORDERS												
3.3.1	Digital indicators of each model, type & range (including relevant digital indicators of electrical system)	10% or 2 nos. min. whichever is more	8479										
3.3.2	Vertical indicators of each type & model	5% or 1 no. of each model whichever is more	8479										
3.3.3	Recorders for each type and model	5% or 1 no. whichever is more.	8479										
3.3.4	Consumables for continuous recorders Charts Ink capsules	25 rolls per recorder/ 25 nos per recorder/ 20 nos. per recorder / Ink Pads / Pens.	8479										
3.3.5	Consumables for multi point recorders												
(a)	Charts	5 nos. per recorder	8479										
(b)	Ink pads	5 nos. per recorder	8479										
(c)	Print mechanism/ print head assembly	10% or 5 nos. of each type whichever is more	8479										
3.3.6	Level transmitters (displacer type)												
(a)	Electronic cards / PCB's of level transmitters	10% of total quantity used or 1 for each type/rating whichever is more	8479										
(b)	Level transmitters	10% of total quantity used or 1 for each type/rating whichever is more	8479										
(c)	Electronic water level indicator	10% or 2 nos. min. whichever is more	8479										
3.3.7	PD type flow transmitters	10% of total quantity used or 1 for each type/rating whichever is more	8479										
3.4	SWITCHES												
3.4.1	Switches (Pressure, DP, Level Row, Temperature etc)	10% of each type of total nos. used in the system or minimum 1 no. of each type, model & range whichever is more	8479										

Signature

Annexure- A

PROJECT :- 1 X 680 MW BHUSAWAL TPS
 PACKAGE :- CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS)
 ENQUIRY No. :- PEP01BHUE-6239/2019 Dtd. 24.06.2019

DESCRIPTION OF EQUIPMENT / ITEM		Qty/Unit	HSN/SAC CODE	UNIT PRICE (EX-WORKS) (Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	Freight % of total ex-works price	FREIGHT CHARGES @ OF EX WORKS PRICE (Rs.)	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT) (Rs.)	TOTAL F.O.R SITE PRICE (Rs.)	UNIT COST ON C & F BASIS (COST & FREIGHT BASIS - AT INDIAN PORT) (CURRENCY)	UNIT COST ON C & F BASIS (COST & FREIGHT BASIS - AT INDIAN PORT) (CURRENCY)
Mandatory Spares to be supplied under this specification.													
3.5	Rotameter	2	8479						9	10	11	12	13
3.6	SOLENOID VALVE	10% of each type of total nos. used in the system or minimum 2 no. of each type, model & range whichever is more	8479										
3.6.1	Assembly	10% of each type of total nos. used in the system or minimum 2 no. of each type, model & range whichever is more	8479										
3.6.2	Coil	10% of total quantity used or minimum 2 no. of each type whichever is more	8479										
3.7	E/P Converter	10% of each type of total nos. used in the system or minimum 2 no. of each type, model & range whichever is more	8479										
3.8	SPECIAL INSTRUMENTS												
3.8.1	Nucleonic/non-nucleonic density meter, solid flow meter etc.	1 no. and spare parts as per manufacturer	8479										
3.9	Electrical Transducers	10% of total quantity used or minimum 1 no. of each type and range whichever is more	8479										
4.0	POWER SUPPLY SYSTEM (24 V DC POWER SUPPLY SYSTEM)												
4.1	Silicon controlled thyristors, diodes power transistors	100%	8479										
5.0	PROCESS CONNECTION PIPING												
	(for impulse piping, sampling piping/ tubing and air supply piping as applicable)												
5.1	Valves of all types and models	10% or 2 no. of each type, class, size and model whichever is more.	8479										
5.2	2 way, 3way, 5way valve manifolds	10% or 2 no. of each type, class size and model whichever is more.	8479										
5.3	Fittings	10 nos. of each type	8479										
5.4	Purge meters	10 % of each model or 2 Nos. whichever is more	8479										
5.5	Filter regulators	10 % of each model or 2 Nos. whichever is more	8479										
5.6	Impulse pipe & tubing of all type	20 mtrs each type & size	8479										
5.7	Impulse line root valve	10% of total quantity used or 4 no. whichever is more for each type and rating of each size	8479										
5.8	SS tube	40 mtrs of each type/size	8479										
5.9	Fitting for SS tube	40 nos. of each type/size	8479										
6.0	INSTRUMENTATION CABLE, INTERNAL WIRING AND ELECTRICAL FIELD												
6.1	Pre fabricated cable of each type	10% of installed quantity	8479										
6.2	Pre fabricated cable connector	10% or 1 no of each type and model whichever is more.	8479										
6.3	Other cables	10% of each type, pair and size of actual installed quantity	8479										
7.0	ELECTRICAL ACTUATORS												
7.1	Actuators	10% or 1 no. of each type, model and rating, whichever is more.	8479										
7.2	Power unit for modulating actuator	10% or 2 nos. of each type, whichever is more.	8479										
7.3	DC-DC unilpower pack units	10% or 2 nos. of each type, whichever is more.	8479										
7.4	Electronic cards	10% or 5 nos. of each type, whichever is more	8479										

Signature

Annexure- A

PROJECT :- 1 X 660 MW BHUSAWAL TPS
 PACKAGE :- CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS)
 ENQUIRY No. :- PEP/G/BHUE-6239/2019 Dtd. 24.06.2019

Sl. No	DESCRIPTION OF EQUIPMENT / ITEM	Qty/Unit	HSN/SAC CODE	FOR INDIAN BIDDERS (INR)					FOR FOREIGN BIDDERS				
				UNIT PRICE (EX-WORKS) (Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	Freight % of total ex-works price	FREIGHT CHARGES @ PRICE OF EX WORKS (Rs.)	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT) (Rs.)	TOTAL F.O.R SITE PRICE (Rs.)	UNIT COST ON C & F BASIS (COST & FREIGHT BASIS - AT INDIAN PORT) (CURRENCY)	TOTAL COST ON C & F BASIS (COST & FREIGHT BASIS - AT INDIAN PORT) (CURRENCY)
7.5	1 Brake assembly	2 10% or 2 nos. of each type, whichever is more.	3 8479	4	5	6	7	8	9	10	11	12	13
7.6	Brake coils	10% or 2 nos. of each type whichever is more.	8479										
7.7	Position feed back transmitters	10% or 2 nos. of each is more.	8479										
7.8	Control unit	10% or 2 nos. of each type whichever is more	8479										
7.9	Torque and limit switch assembly of each unit	10% or 2 nos. of each type, whichever is more.	8479										
7.10	O-ring	1 set of each size	8479										
7.11	Motor	1 no. of each type & rating	8479										
7.12	Auxiliary contact	10% of total quantity used or 2 nos. whichever is more for each type and rating of each size	8479										
7.13	Seal kit	1 set of each type & size	8479										
8.0	Micro PLC system (i.e. Integrated CPU & I/O system, where above mentioned components are not applicable)	One Complete Set	8479										
9.0	CONTROL PANEL AND LOCAL REMOTE CONTROL DESK (AS APPLICABLE)												
9.1	Recorder	1(one) No. each type and model	8479										
9.2	Bar graph indicator	10% of total quantity used in the system or minimum 1 (one) no. whichever is more for each type and model.	8479										
9.3	Digital indicator	10% of total quantity used in the system or minimum 1 (one) no. whichever is more for each type and model.	8479										
9.4	Mosaic/Conventional Type Push button Station	10% of total quantity used in the system or minimum 2(two) nos. whichever is more for each type and model.	8479										
9.5	Mosaic Type Push button Station with LED Indicator	10% of total quantity used in the system or minimum 2(two) nos. whichever is more for each type and model.	8479										
9.6	Mosaic Type LED Indication Station	10% of total quantity used in the system or minimum 2(two) nos. whichever is more for each type and model.	8479										
9.7	Simaphone Indicator	2(two)Nos. each type	8479										
9.8	ANNUNCIATION SYSTEM (For offsite / Auxiliary Plants)												
9.8.1	Each type of PCB (for non-PLC driven system)	1(one) No. each	8479										
9.8.2	Lamp Box with Facia & Lamps (LED type)	10% with minimum 2 nos.	8479										
9.8.3	Holder	1(one) No.	8479										
10	MANDATORY SPARES NOT COVERED ABOVE	Bidder to supply 10% electronic modules/ cards or any other electronic components required for system such as annunciation system for offsite/ auxiliary plant, online condensate tube cleaning system, ambient air monitoring system, plant simulator.	8479										
11	GRAND TOTAL												

Signature

ANNEXURE - B

PROJECT :- 1 X 660 MW BHUSAWAL TPS
 PACKAGE :- CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS)
 ENQUIRY No. :- PE/PG/BHU/E-6239/2019 Dtd. 24.06.2019

SL NO.	Discription	UNIT	QUANTITY	CURRENCY	RATE OF CUSTOM DUTY	SOURCE OF SUPPLY	TOTAL CIF CONTENT
1	LIST OF CIF CONTENTS FOR CONDENSER ON LOAD TUBE CLEANING SYSTEM (COLTCS) FOR 1 X 660 MW BHUSAWAL TPS	2	3	4	5	6	7
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
Bidder shall furnish this price schedule in his price offer only							
Particulars of bidder / authorised representative							
Name	Designation				Signature	Date	Company seal

[Handwritten Signature]