



Ref. Enquiry No.: PE/PG/BHU/E-6406/2019, Dated 11.03.20

DUE DATE
21 March 2020
BY 02:00 PM

Dear Ma'm/Sir,

Subject: Open (Global) tender Enquiry for "AUX PRDS" as per Technical Specification No. PE-TS-415-142-N101 REV.00 for 1 X 660 MW BHUSAWAL TPS.

BHEL invites your offers for design, manufacture, assembly, inspection and testing at vendor's and/ or his & sub-vendor's works, painting and delivery to site of Main Supply incl. comm. Spares, Mandatory spares and installation checks of Auxiliary Steam Pressure Reducing & Desuperheating stations for **1 X 660 MW BHUSAWAL TPS** as mentioned in different sections of the technical specification PE-TS-415-142-N101, Rev 00, amendment & agreements till placement of order for **AUX PRDS**.

Your offer shall be submitted in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of GCC Rev. 07, in sealed cover for the below mentioned equipment/system.

Item Description – Aux PRDS			
Sl. No.	Project	TECHNICAL SPECIFICATION NO.	Delivery
1	1 X 660 MW BHUSAWAL TPS	PE-TS-415-142-N101 REV.00	As per annexure – I to NIT

Your best quotation/offer for the above requirement, in line with our terms and conditions, should be submitted **online via e-procurement system**. It shall be the responsibility of the bidder to ensure that the tender is submitted **on or before the due date by 02:00 PM**. Part-I bids shall be opened at **03:00 PM** on the due date.

Note: 1. Detailed tender documents have been uploaded at the following websites: -
www.eprocure.gov.in, <https://bhel.abcpocure.com>, www.bhel.com & <https://www.bhelpem.com>

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

2. In case bidders are not interested to quote, please send us the regret by mail or letter.

ENQUIRY TERMS AND CONDITIONS:

1. Offers should be submitted/uploaded separately in two parts **online through e-procurement system** as follows:

Part-I: TECHNO-COMMERCIAL BID

Part-II: PRICE BID

For detailed instructions, please refer GCC Rev 07- Instructions to Bidders.

2. Bidders shall submit their offers meeting the requirements of the following tender documents indicated in GCC Rev- 07 and other Terms and Conditions included in this Enquiry Letter.

3. Bidders to note that following form the part of tender documents:

- General Conditions of Contract (GCC) Rev 07 comprising of: Instructions to Bidders and General Commercial Terms & Conditions
- Technical Specification
- Technical PQR
- Special Conditions of Contract (SCC Rev 01).
- Enquiry terms & conditions
- Annexures I –IV

4. Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.

Rahul Bhatnagar/Dy. MGR/PGIII
PS-Project Engineering Management,
Power Project Engineering Institute,
Plot no. 25, Sector – 16A, Noida (UP) 201301, INDIA
(OFF) +91-120-4368727, (MOB.) +91 9654499303

Regd. Office
BHEL House Siri Fort
New Delhi-110049

Rahul Bhatnagar
11/3/20

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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-07 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.07.
6. 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.
7. 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.
8. 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).
9. 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:

SHAMIK GUPTA, 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: shamikgupta@bhel.in Ph. No. +91-120-4368949; Mob: 9716336332	Rahul Bhatnagar/Dy. Mgr. Gaurav Jain/Sr. 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: rahulbhatnagar@bhel.in, gjain@bhel.in Ph. No. 0120-4368727, Mob: 9654499303, 8800990290
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10. 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. Reverse auction details and guidelines shall be as per GCC Rev 07.

Link for RA guidelines to be followed as:

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

11. Evaluation will be done on L1 (Total cost to BHEL excluding GST) basis.
12. CIF is available for this package (bidders to quote CIF content as per annexure -A to NIT)
13. For this procurement, Public Procurement (preference to make in India), order 2017, Dt:- 15.06.17, 28.05.18 & 29.05.19 and subsequent orders issued by the respective nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this 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, 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 location(s) at which the local value addition is made as per enclosed annexure -IV to NIT.
 - Subject package is not divisible in nature, purchase preference shall be 20% and minimum local content is 100%
14. 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: -

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- A) Meeting of Technical PQR
B) Techno-commercial qualification/recommendation of bidder by the BHEL-PEM.
C) Customer (MAHAGENCO) approval. Same shall be taken up by us with customer based on the credentials/reference list/experience list.
15. Bidders to ensure that Third party/Customer issued certificates being submitted as proof of PQR qualification should have verifiable details of document/certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and E-mail Id etc. In case the same is found not available, BHEL has the right to reject such document from evaluation.
16. Average of percentage of freight quoted by techno commercial accepted bidders in subject tender shall be used to calculate freight factor at the time of reverse auction /price bid opening for evaluation purpose. (Bids with freight quoted as NIL/ Inclusive/NA shall be excluded in calculation of average freight).
17. The bidders (who are not registered with BHEL-PEM) -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. However, registration of suppliers is not mandatory in case of open tender.
18. Any 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 are requested to visit our websites from time to time to keep themselves updated. 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 | Manager – Implementation
& Support | HO –
Ahmedabad |
| Pradip Parmar | +91 7940270532 | pradip@eptl.in | Sr. Mgr – Implementation &
Support | HO –
Ahmedabad |
| Devang Patel | +91 7940270576 | devang@eptl.in | Sr Manager –
Implementation & Support | HO –
Ahmedabad |
19. Bidder to follow the instructions w.r.t packing list as per enclosed annexure –II to NIT.
20. The variation on overall package value due to changes in the scope shall be +/-5% of contract value (Ex-works) which will prevail over the quantity variation clause no.6.0 indicated in the GCC rev 07.
21. If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e-

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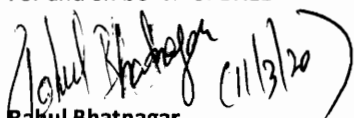
procurement, in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Hence all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch.

22. Bidders to note that "This item /package/system falls under the list of items defined in para 3 of ministry of finance guideline date 20.09.16 (procurement of items related to public safety, health, critical security operations and Equipments etc.) & hence criteria of prior experience /turnover shall be same for all bidders including start up /MSME".
23. All other terms and conditions of SCC (Rev 01) of project, NIT & GCC (Rev 07) shall be applicable for the subject package.
24. 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-07
 - Acceptance of Special Conditions of Contract (SCC Rev 01) for the project.
 - Technical & Commercial Deviations, if any along with Cost of withdrawal in bidding form
 - 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 in bidding form

All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.

Thanking You

Yours faithfully,
For and on behalf of BHEL


Rahul Bhatnagar
(Dy. Mgr/PG-III/BHEL-PEM)

Enclosures:

1. Technical Specification No. PE-TS-415-142-N101, Rev00
2. Technical PQR
3. SCC Rev 01
4. Delivery Schedule (Annexure -I)
5. Instruction to Packing List (Annexure -II)
6. BOQ (Main + Mandatory+ Installation Check)- Annexure -III for Indian & foreign bidders
7. Certification reg. Local content (annexure -IV)
8. CIF content (Annexure A)

PROJECT: 1x 660 MW BHUSAWAL TPS PACAKGE: - AUX PRDS ENQUIRY NO. PE/PG/BHU/E-6406/2019, Dt:- 11.03.20 ANNEXURE - I TO NIT - DELIVERY SCHEDULE					
Sl. No.	BHEL Drawing No	Drawing Title	Primary/Secondary	Drg Sch for Vendors	Standard Delivery Terms for Supply Portion and Mandatory Spares
					Scope of Services, (if any, as per Indent) and corresponding schedule for rendering the services
1	PE-V1-415-142-N102	DATA SHEETS	Primary	R-0 within 21 days from PO & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	Installation Check at site: Vendor to depute its service engineer for Installation Check at site at site within 15 days from BHEL's intimation (for deputing service engineer).
2	PE-V1-415-142-N103	CALCULATION SHEETS	Primary		
3	PE-V1-415-142-N104	GA DRAWINGS-CONTROL VALVES & DESUPERHEATER.	Primary		
4	PE-V1-415-142-N105	INSTALLATION DRAWINGS	Primary		
5	PE-V1-415-142-N107	EDGE PREPARATION DETAILS	Primary		
6	PE-V1-415-142-N108	QUALITY PLAN	Primary		
7	PE-V1-415-142-N101	BILL OF MATERIALS	Secondary	R-0 within 21 days from PO & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	For delay in deputing service engineer, LD on Installation Check at site shall be applicable @ 1/2% of the total Installation Check at site portion contract value (excluding element of taxes) per week or part thereof, with applicable GST. However, total LD (supply + Installation Check at site) shall be limited to 10% of cumulative total contract value excluding taxes and freight (supply + Installation Check at site)
8	PE-V1-415-142-N109	O&M MANUAL	Secondary	within 30 days of issuance of MDCC.	

Notes:-

- The end period specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.
- The delivery conditions specified are for contractual LD purposes, however BHEL may ask for early deliveries without any compensation thereof.
- Non-applicable drawings shall be decided during execution of the package.
- Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT.

PROJECT: 1x 660 MW BHUSAWAL TPS
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ANNEXURE -II TO INSTRUCTIONS TO PACKING LIST

For faster verification of bills, successful bidder to submit detailed Bill of Material (BOM) at the time of drawings/ documents submission after placement of PO. Each item of the BOM to be uniquely identified with item code no. or item Sl. No. Supplier to ensure that all items which will find separate mention in the packing list are covered in this detailed BOM.

Supplier to also give the following undertaking in the BOM:

"The BOM provided herewith completes the scope (in content and intent) of material supply under PO No. Dated Any additional material which may become necessary for the intended application of the supplied items/package will be supplied free of cost in most reasonable time.

Packing List must indicate:

- a) Packing size
- b) Gross weight and net weight of each package
- c) Contents of the package with cross reference to BOM item code no. / Sl. No.
- d) Quantity of each items separately.

The packing list must cover all the BOM items.

Supplier to give following undertaking in the packing list:

The Packing list provided herewith is as per BOM approved under PO No. -----

PROJECT: 1x 660 MW BHUSAWAL TPS
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ANNEXURE - III TO BOQ

SL NO	ITEM DESCRIPTION	UNIT	TOTAL QTY	HSN CODE
1	2	3	4	5
	AUX PRDS (CONTROL VALVES & ACEESORIES)			
A	MAIN SUPPLY			
SCOPE	Total price for Design, Engineering, Manufacture, Assembly, Inspection, Testing, Proper Packing for Transportation and Dispatch to site of auxiliary steam pressure reducing and desuperheating stations complete with controls valves and all accessories including commissioning spares, and Mandatory Spares as specified and necessary as per technical specification PE-TS-415-142-N101			
A.1	Combined Type Aux. Steam High Capacity Pr. Reducing Valve (ASV-22)	NO.	1	8481
A.2	Low Capacity Pressure Reducing Valve (from CRH line) (ASV-26)	NO.	1	8481
A.3	Spray Control Valve (CDV-93) for HC-PRDS	NO.	1	8481
B	Mandatory Spares			
B.1	Mandatory Spares for High Capacity PRDS (ASV-22)			
B.1.1	Steam pressure reducing cum desuperheating valves			
B.1.1a)	Stem	NO.	1 no.	8481
B.1.1b)	Disc	NO.	1 no.	8481
B.1.1c)	Body seat rings	NO.	2 nos. for each type, size and rating of valves	8481
B.1.1d)	Gland packings	NO.	3 nos. for each type, size and rating of valves	8481
B.1.1e)	Pressure Seal Ring	NO.	3 nos.	8481
B.1.1f)	Gasket	NO.	3 nos.	8481
B.1.2	Desuperheater liners	SET.	1 SET	8481
B.2	Mandatory Spares for Low Capacity PRDS (ASV-26)			
B.2.1	Steam pressure reducing valve			
B.2.1 a)	Stem	NO.	1 no.	8481
B.2.1b)	Disc	NO.	1 no.	8481
B.2.1c)	Body seat rings	NO.	2 nos. for each type, size and rating of valves	8481
B.2.1d)	Gland packings	NO.	3 nos. for each type, size and rating of valves	8481
B.2.1e)	Pressure Seal Ring	NO.	3 nos.	8481
B.2.1f)	Gasket	NO.	3 nos.	8481
B.2.2	Desuperheater liners	SET.	1 SET	
B.3	Mandatory Spares for Spray Valve (CDV-93)			
a)	Valve trim (including cage, plug, stem, seat rings, guide bushings, stem packing etc.)	SET	1 set for each type of control valves	8481
B.4	Common spares & Accessories for each control Valve			
a)	Feedback transmitter unit	NO.	10% of total quantity used or 2 nos. whichever is more for each type/rating.	8481
b)	Electronic Positioner	NO.	10% of total quantity used or 2 nos. whichever is more for each type/rating.	8481
c)	Solenoid valves	NO.	10% of total quantity used or 2 nos. whichever is more for each type/rating.	8481
d)	Air filter regulator	NO.	2 nos.	8481
e)	Air lock relay	NO.	4 nos. of each type	8481
f)	Complete Actuator for each type and model	SET	1 Set	8481
g)	Volume booster	NO.	2 Nos each type/size	8481
C	Site visit for valve installation check to ensure proper valve functionality check after the erection of the valve during the commissioning (cold condition) and during the hot charging of the valve considering 2 nos. of site visit for 2 days each.			
1)	Charges per visit	visit	2 visits	998335
2)	Charges per mandays	day	4 days	998335

NOTE:-

1. PLEASE REFER TECHNICAL SPECIFICATION PE-TS-415-142-N101.

2. EACH CONTROL VALVE SHALL BE SUPPLIED WITH THE ACCESSORIES SPECIFIED IN THE RELEVANT DATA SHEETS IN TECHNICAL SPECIFICATION (i.e. commissioning Spares (Gasket+ Gland (stem) packing) & SS Tubing)

3. Bidder shall depute engineer for supervision and site inspection after intimation by BHEL for 2 days time .Addition /deletion in no. of days in site visit shall be considered on prorata basis as per Sl. no. C (2)

4. Additional site visit, if required, shall be considered on prorata basis as per Sl. no. C above. Site visit charges for each visit shall be calculated as per formulae : C (1) x No. of visits + C (2) x No. of days. The prices shall be inclusive of charges of airfare, transportation within India, boarding/lodging, meals, visa, insurance etc.

8/04/2020

PROJECT: 1x 660 MW BHUSAWAL TPS
PACAKGE: - AUX PRDS
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ANNEXURE IV- CERTIFICATE REGARDING
LOCAL CONTENT

Letter head of Company

Ref.....

Date.....

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building, Plot No 25,

Sector -16A, Noida (U.P)-201301

Subject: - Certification regarding local content

Reference: Tender Enquiry No-.....

Name of Package:

Dear Sir,

We hereby certify that items offered by us of(package name).....(Project Name/Rate contract)..... meets the requirement of minimum local content in line with Cl. No..... of NIT No..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018 & 29.05.2019.

We further confirms that details of location at which the local value addition is made will be our registered works at(address of the works)

Yours very truly

..... (authorized signatory of company)

..... (firm name)

authorized signatory
of company

PROJECT: 1x 660 MW BHUSAWAL TPS
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ANNEXURE - A TO NIT - CIF CONTENT

Sl No.	Description	CURRENCY	RATE OF CUSTOM DUTY	SOURCE OF SUPPLY	TOTAL CIF CONTENT
1.0	List of CIF content (if any)				