

Ref. Enquiry No.: PE/PG/KKN/E-6501/2020, Dated 21.08.2020

DUE DATE
31 Aug 2020
BY 02:00 PM

Dear Sir/ Ma'am

Subject: Open tender Enquiry for "BUTTERFLY VALVES - WATER SERVICE" for 2x 1000 MWe Kudankulam NPP - 3 & 4 as per Technical Specification No. PE-TS-456-100-M008, REV 00.

BHEL invites your offers for Design, Manufacture, Inspection and testing at Manufacturer's works, proper packing and delivery to site of **Butterfly Valves - Water Service** as specified/ defined as per tender technical specifications ref. PE-TS-456-100-M008 Rev 00, amendment & agreements till placement of order **for 2x 1000 MWe Kudankulam NPP - 3 & 4**

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 – BUTTERFLY VALVES - WATER SERVICE			
Sl. No.	Project	TECHNICAL SPECIFICATIONS	Delivery completion schedule
1	2x 1000 MWe Kudankulam NPP - 3 & 4	PE-TS-456-100-M008 Rev 00	As per annexure – I to NIT

Your best quotation/offer for the above requirement, in line with tender 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 (techno-commercial) bids shall be opened at **03:00 PM**. on the due date.

Note: 1. Detailed tender documents have been uploaded on following websites: -

<https://bhel.abcprocure.com>, www.bhel.com, www.bhelpem.com and www.eprocure.gov.in

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

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

ENQUIRY TERMS AND CONDITIONS:

- 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.
- Bidders shall submit their offers meeting the requirements of the following tender documents indicated in BHEL PEM GCC Rev- 07 and other Terms and Conditions included in this Enquiry Letter. Weblink of GCC Rev 07 shall be as below, **bidders may download the GCC Rev 07 from the given weblink and go through the same before quoting: -**
<https://www.bhelpem.com/Documents/GCC/GCCRev07.pdf>
- 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 Specifications
 - Technical PQR
 - Special Conditions of Contract (SCC Rev 00)
 - Enquiry terms & conditions (NIT)
 - Annexures I –IV
- Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.
- 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 in the bidding format in E-Procurement portal. 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 of GCC Rev.07.

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

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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 the successful bidder.
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 following persons and sent at the following address:

Mr. Shamik Gupta Dy. Engineer, PG-III E-mail: shamikgupta@bhel.in Ph. +91-120-4368949; Mob: 9716336332	Mr. Manish Kumar Dy. Mgr. PG-III E-Mail: manishkumar2@bhel.in Ph. No. +91-120-4213603; Mob: 9999166803	Mr. Rahul Bhatnagar Dy. Mgr. PG-III E-Mail: rahulbhatnagar@bhel.in Ph. No. +91-120-4368727; Mob: 9654499303
M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, Plot No 25, Sector-16A, Noida-201301, U.P., INDIA		

10. Evaluation will be done on L1 (Total cost to BHEL excluding GST) basis. Incomplete offer or part offer of NIT BOM/BOQ shall be summarily rejected.
11. **Bidders to note that MODE OF EVALUATION FOR FINALISATION OF PRICES shall be price bid opening (through e procurement).**
12. **Govt. of India's Public Procurement Policy – Preference to Make In India Clause:** - "For this procurement, the local content to categorize a supplier as a Class I local supplier/ Class II local Supplier/ Non Local supplier and purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT".
 - The local supplier at the time of tender, bidding, solicitation, shall be required to provide self-certification that as per the offered item, they meet the requirements of Class I local supplier/ Class II local Supplier/ Non Local supplier as per the provisions of PPP-MII Order of Govt of India and relevant circulars issued by nodal ministry w.r.t. 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 /** revised formats which may be asked later.
 - Subject package is **not divisible** in nature.
13. Bidder to note that this is a conditional Open Tender enquiry and the price bid (Part-II) opening shall be subject to following condition: -
 - A) Meeting of Technical PQR
 - B) Techno-commercial qualification/recommendation of bidder by the BHEL-PEM.
 - C) Approval of vendor from end Customer (NPCIL). Same shall be taken up by BHEL-PEM with customer. Bidders who are not approved from NPCIL (end customer) should furnish the credentials along with their bid.

Rahul Bhatnagar

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14. Compliance of model clauses as provided in Annexure-III of Ministry of Finance Order (Public Procurement No. 1), F.no.6/18/2019-PPD issued on 23.07.2020 (Restrictions under Rule 144 (xi) of the GFR,2017) shall be applicable for subject tender. Model Certificates provided in same Annexure-III shall also be complied. Further, relevant clause of order no. 25-11/6/2018-PG dated 02.07.20 issued by MoP shall also be complied.
15. **Delivery Completion schedule:**
Refer Annexure-I for delivery schedule.
16. CIF is not available for this package.
17. 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.
18. For bidders (who are not registered with BHEL-PEM) -Online Registration Portal is operational in BHEL. Registration in BHEL-PEM is not mandatory for this tender. However, Non-registered Vendors, who wish to apply for registration with BHEL-PEM, can 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 may be uploaded on the website and submit the application for registration.
19. 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 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	AM-Implementation & Support	HO- Ahmedabad
Dharam Rathod	+91 7940270596	dharam@eptl.in	Mgr- Implementation & Support	HO- Ahmedabad
Pradip Parmar	+91 7940270532	pradip@eptl.in	SM - Implementation & Support	HO- Ahmedabad
Devang Patel	+91 7940270576	devang@eptl.in	SM - Implementation & Support	HO- Ahmedabad

20. 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.

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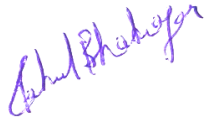
21. Bidders to note that "This item /package/system falls under the list of items defined in para 3 of ministry of finance guideline date 20.09.16 (procurement of items related to public safety, health, critical security operations and Equipments etc.) & hence criteria of prior experience /turnover shall be same for all bidders including start-up /MSME".
22. All other terms and conditions of SCC (Rev 00) of project, NIT & GCC (Rev 07) shall be applicable for the subject package.
23. Following documents in line with end customer specification shall be provided by successful bidder after placement of PO within one month after dispatch of equipment. These documents are in addition to final documents that are required to submit by bidder after dispatch as per provision of GCC/SCC
- Bound history docket five sets each comprising the following documents
 - P.O and sub order copies
 - Approved as built drawings
 - Curves showing valve opening flow coefficient (C_v) characteristic / pressure drop curves / K_v values and flow characteristics curves
 - Approved QAP
 - Approved Procedures.
 - Material test certificates.
 - NDT Reports.
 - Stress relief Time-Temperature charts.
 - Welding procedures and Welder's Qualification reports.
 - Hydrostatic Test Certificates.
 - Performance Test Procedure and Performance Test Reports with curves / other test reports.
 - Dimensional Reports.
 - Radiography films if any.
 - Shipping release copies.
 - All Design Concession reports if any.
 - Guarantee and Compliance Certificate.
 - Five hard and soft copies/ sets of Operation and Maintenance Manuals covering Preventive maintenance requirements and procedures.
 - Five no's of Reproducible for each of the drawings, and drawings on magnetic media preferably on CD.
 - Five Prints of Final Approved drawings submitted during execution of Contract.
 - Five copies of approved Seismic Qualification Reports, if applicable.
24. Detailed offers are to be uploaded including the following along with the Price schedule as per BHEL format enclosed with NIT: -
- Acceptance of BHEL-PEM GCC Rev-07
 - Acceptance of Special Conditions of Contract (SCC Rev 00) 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
 - Filled Format of Certification reg. Local content (annexure -IV)

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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-PEM



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

Enclosures:

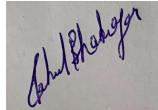
1. Technical Specification No. PE-TS-456-100-M008 Rev00
2. Technical PQR
3. SCC Rev 00
4. Delivery completion cum Drawings/documents submission Schedule (Annexure –I)
5. BOQ - Annexure –II
6. Instructions to Packing List (annexure –III)
7. Format of Certification reg. Local content (annexure –IV)

PROJECT:- 2x 1000 MWe Kudankulam NPP - 3 & 4
PACAKGE: BUTTERFLY VALVES - WATER SERVICE
ANNEXURE - I TO NIT NO. PE/PG/KKN/E-6501/20, Dated 21.08.20
DELIVERY SCHEDULE

Sl. No.	Package name	BHEL Drawing No	Drawing Title	Primary/ Secondary	BHEL Inputs	Drg Sch for Vendors	Delivery Terms for Supply Portion
1	BUTTERFLY VALVE WATER SYSTEM	PE-V0-456-100-M172	ACTUATOR DATA SHEET FOR BUTTERFLY VALVES (WATER SERVICE)	Primary		R-0 within 14 days from PO & subsequent revisions incorporating all the BHEL comments within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	For Main Supply along with comm. spares:- Within Six (06) months, from date of CAT-1 approval of Primary drawing/documents, subjected to drawing/document submission/re-submission schedule as stipulated, in case of any delay in submission/re-submission of Primary drawing/documents, then same shall be reduced from the given delivery period. Delay in BHEL's comments/approval beyond 18 days shall also be considered for delay analysis.
		PE-V0-456-100-M171	GA DRG FOR BUTTERFLY VALVE (WATER SERVICE)	Primary			
		PE-QP-456-100-M020	QP FOR BUTTERFLE VALVES (WATER SERVICE)	Primary			

Notes

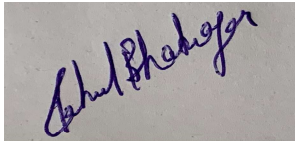
- The end period specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.
- The delivery conditions specified are for contractual LD purposes, however BHEL may ask for early deliveries without any compensation thereof.
- Non-applicable drawings 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.



<div><div>बी एच ई एल</div><div>BHEL</div></div>		PROJECT:- 2x 1000 MWe Kudankulam NPP - 3 & 4																		SPECIFICATION NO. PE-TS-456-100-M008		
		PACAKGE: BUTTERFLY VALVES - WATER SERVICE																		SECTION II		
		ANNEXURE - II TO NIT NO. PE/PG/KKN/E-6501/20, Dated 21.08.20																		REV. NO.: 00		
		BOQ																				
1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16		17	18	19		
Sl. No.	KKS NOS.	TYPE OF VALVE	SIZE mm (NB)	OPERATION	DESIGN		SERVICE	NUCLEAR SAFETY CLASS	SEISMIC CATEGORY	BUILDING / LOCATION	RATING, DESIGN & TESTING CODE	BODY & DISC MATERIAL	TRIM MATERIAL	END CONN	SPECIAL FEATURES	MATCHING PIPE OD X THKN		TOTAL MAIN VALVES QTY WITHOUT COMMISSIONING & RECOMMENDED SPARES (BOTH UNITS) (NOS.)	SEISMIC ANALYSIS (Refer Note 7 below)	COMMISSIONING SPARES		
					PRESSURE KG/CM2(G)	TEMP (DEG C)										MM	MM			BONNET COVER GASKETS (SETS)	GLAND PACKING (SETS)	DISC SEALS (SETS)
1	PUQ10AA103, PUQ20AA103, PUQ30AA103, PUQ40AA103, PUQ10AA104, PUQ20AA104, PUQ30AA104, PUQ40AA104	BFV	150	MANUAL	10	60	PUQ	4	II (OBE)	UQZ	AWWA C504-10	ASTM A216 Gr WCB	ASTM A 182 F 316L	ASME B16.5, SORF, CLASS 150	EPDM Body lining	180.0	16.4	16		16	16	16
2	PUQ10AA105, PUQ20AA105, PUQ30AA105, PUQ40AA105, PUQ10AA106, PUQ20AA106, PUQ30AA106, PUQ40AA106	BFV	200	MANUAL	10	60	PUQ	2	I (SSE)	UQZ	AWWA C504-10 & ASME SECTION III NC	ASTM A216 Gr WCB	ASTM A 182 F 316L	ASME B16.5, WNRF, CLASS 150	EPDM Body lining & GEAR OPERATED	219.1	7.0	16		16	16	16
3	PUQ10AA101, PUQ20AA101, PUQ30AA101, PUQ40AA101, PUQ10AA102, PUQ20AA102, PUQ30AA102, PUQ40AA102	BFV	80	MANUAL	10	60	PUQ	3	I (SSE)	UQZ	AWWA C504-10 & ASME SECTION III ND	ASTM A216 Gr WCB	ASTM A 182 F 316L	ASME B16.5, SORF, CLASS 150	EPDM Body lining	89.0	3.0	16		16	16	16
4	GML31AA101, GML32AA101, GML31AA108, GML32AA108, GML31AA201	BFV	80	MANUAL	10	60	GML	4	II (OBE)	UQA	AWWA C504-10	ASTM A216 Gr WCB	ASTM A 182 F 316L	ASME B16.5, SORF, CLASS 150	EPDM Body lining	90.0	8.2	10		10	10	10
TOTAL																		58		58	58	58

NOTES:-

1. Valve POD , Gear box POD & Actuator POD test, if already carried out by bidder for similar model/ type/ size/ rating for any NTPC/BHEL/REPUTED CUSTOMER project within the last 5 years from the date of bid submission as mentioned in NIT, shall be considered applicable if found satisfactory by BHEL/CUSTOMER.
2. Valve POD, Gear box POD test, if required, as per technical specification & AWWA C504-10/ AWWA C516-10, then the charges for the same shall deemed to be included in the unit quoted prices of main valves. Bidder shall not indicate these charges as a separate head in the price bids.
3. Valve to be designed as per AWWA C504, ASME B16.4, ASME Section III NC and ND along with seismic design class of SSE and OBE wherever mentioned.
4. Hydrostatic testing will be as per API-598.
5. Main valve prices shall BE EXCLUSIVE of cost of Commissioning & Recommended Spares prices.
6. Bidder is required to quote unit price of each item under commissioning & recommended spares separately & individually i.e. prices of all commissioning spares shall not be clubbed/ included in the unit price of Main valves.
7. Bidder to quote separately for seismic test for each size.
8. Commissioning spares --> One set each of Bonet cover gasket, Gland packing, Disc seal.
9. ABBREVIATIONS:- BFV (WS)--- BUTTERFLY VALVES (WATER SYSTEM), MAN - MANUAL
OBE: OPERATING BASIS EARTHQUAKE, SSE: SAFE SHUTDOWN EARTHQUAKE
PUQ: DRAIN WATER REMOVAL SYSTEM, GML: WATER SUPPLY AND SEWERAGE SYSTEM
UQZ: ESSENTIAL LOADS PIPELINE TUNNELS, UQA: MAIN PUMP HOUSE



Signature of the bidder with name, designation, date and company's seal

PROJECT: 2x 1000 MWe Kudankulam NPP - 3 & 4
PACAKGE: - BUTTERFLY VALVES - WATER SERVICE
ENQUIRY NO. PE/PG/KKN/E-6501/20, Dated 21.08.20
ANNEXURE -III (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.

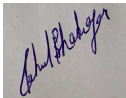
Packing List must indicate:

- 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. -----



ANNEXURE IV
2x 1000 MWe Kudankulam NPP - 3 & 4
BUTTERFLY VALVES - WATER SERVICE
ENQ. NO. PE/PG/KKN/E-6501/20, Dated 21.08.20

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

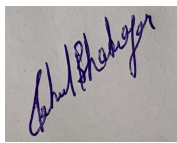
Reference: Tender Enquiry No-.....

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 clause no. ... of NIT and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018 & 29.05.2019 & 04.06.20.

We further confirm 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