

Ref. Enquiry No.: PE/PG/PKI/E-6192/2019
Dated: 06.05.2019

DUE DATE
16 MAY 2019
By 02.00 P.M

Subject :- N.I.T- ENQUIRY FOR MISC. PUMPS(VERT.) TYPE-I (FLOW<1000 CMH) as per Technical Specification No PE-TS-426-100-N001 (REV. 0) for 1 x 660 MW PANKI TPS EXTENSION.

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 installation checks and supervision of replacement of gland packing with Mechanical Seal arrangement (if applicable) at site and PG Test at site for Miscellaneous Pumps 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 for **MISC. PUMPS(VERT.) TYPE-I (FLOW<1000 CMH)**, for **1 X 660 MW PANKI TPS** as specified/ defined as per tender documents & Technical specification no. PE-TS-426-100-N001 (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	MISC. PUMPS(VERT.) TYPE-I (FLOW<1000 CMH)	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

श्री प्रकाश यादव / Shri Prakash Yadav
उप प्रबंधक (पी.जी.एम.) / Dy. Manager (PG-III)
भारत भारी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अभियंत्रण प्रबंधन
Power Sector-Project Engineering Management
पीपीईआई बिल्डिंग, एच.आर.डी.आई. एण्ड इरस्टाई कॉम्प्लेक्स
PPEI Bldg. H.R.D.I. & ERI Complex,
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

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4. Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.
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 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 indicated at clause no. 5 of section IA of technical specification.

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

ii) Site Activities (Installation check for correctness of installation, alignment etc. for installation check and supervision for replacement of gland packing with mechanical seal (if applicable as per spec.) & PG Testing at site :- Vendor to depute their representative to site for carrying out 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.

 **श्री प्रकाश यादव / Shri Prakash Yadav**
उप-प्रबंधक (पी.जी.एम) / Dy. Manager (PG-M)
भारत भारी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अभियंत्रण प्रबंधन
Power Sector-Project Engineering Management
पीपीईआई भवन, एच.आर.डी.आई. एण्ड ईएसआई कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
प्लॉट नं. 25, सेक्टर-16, नोडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

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14) Payment Terms: -

- i) Payment terms for Main Supply & Mandatory Spares shall be as per Cl. 9.1 of corrigenda to GCC (Rev. 06).
ii) Payment terms for **Site Activities** shall be as per Cl. 9.5 of corrigenda to GCC (Rev. 06).

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

16. 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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17. Overall (%) quantity variation on overall package value due to changes in the scope shall be +/-10% which will prevail over the quantity variation clause no. 6.0 indicated in the GCC rev 06.

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

19. If any bidder quoted/indicated freight value as NIL/Inclusive – the freight value has been derived as 4.20% of ex-works price & same shall be considered for evaluation purpose.

20. Following services at site is in Bidder Scope:

- Installation check for correctness of installation, alignment etc. for installation check and supervision for replacement of gland packing with mechanical seal (if applicable as per spec.).
- PG Testing as per cl no. 3.0 of section-IA
The cost of above shall be included by bidder in their price for each project, however break-up for the same shall be given separately as per Schedule of Unit Prices.

21. To expedite the technical evaluation, as specified in the specification for submission of brief offers with only the following technical details by the bidders:

- (a) Compliance certificate.
- (b) Schedule of performance guarantees.
- (c) GA & cross sectional drg (along with details of weights, crane capacities and clearances required for installation and maintenance and Foundation plan – These are only for reference).
- (d) Technical Deviation schedule
- (e) Unpriced Price schedule.

Submission of only above by bidders along with the price schedule etc.

22. **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.

23. Bidder to note that this is a Conditional Open Tender enquiry and the price bid (Part-II) opening shall be subject to following conditions :-

श्री प्रकाश यादव / Shri Prakash Yadav
Bharat Heavy Electricals Limited / Bharat Heavy Electricals Ltd.
Power Sector-परियोजना अभियंत्रण प्रबंधन
पीपीईआई भवन, एच.आर.डी.आई. एंड ईएसआई कॉम्प्लेक्स
PPEI Bldg. H.R.D.I. & ESI Complex,
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
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- 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:-

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

24. 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.bhelpem.com
➤ vendor section ➤ Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted. Above shall be part of NIT.
25. L1 bidder will have to submit BG as per format enclosed with Enquiry Letter (NIT) instead of format mentioned in GCC, Rev.06.
26. CIF content: - Not Applicable.
27. PVC is not applicable for this package.
28. "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

29. Link for RA guidelines to be followed as:

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

श्री प्रकाश यादव / Shri Prakash Yadav
प्रबंधक (पी.जी.एम.) / Dy. Manager (PG-III)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-प्रोजेक्ट एंजियरिंग प्रबंधन
पीपीईआई भवन, एच.आर.डी.ई. & एसी कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

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30. **Risk and Cost Purchase clause:** - 5% overhead charges to be considered instead of 30% (presently in GCC Rev 06 clause no 26.2(b)).
31. 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.**
32. 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.
33. 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

34. All the tender documents shall automatically become a part of the Order/Contract after its finalization.
35. 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>

36. 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.
37. "For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.05.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after the issue of the NIT but before finalization of contract/ PO/WO against the NIT. In the event of an order issued after the NIT, the bidder 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."

श्री प्रकाश यादव / Shri Prakash Yadav
Dy. Manager (PG-III)
Power Sector Projects Engineering Management
पौरोहित्य भवन, एच.आर.डी.आई. एण्ड ईएसआई कॉम्प्लेक्स
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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.

38. 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.
39. 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>.
40. 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.
41. 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
42. 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

Shri Prakash Yadav
(Dy. Mgr/PG-III/BHEL-PEM)

श्री प्रकाश यादव / Shri Prakash Yadav
उप प्रबंधक (पी जी. III) / Dy. Manager (PG-III)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अभियंत्रिकी प्रबंधन
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Plot No. 25, Sec. 16 A, Noida - 201301

Enclosures:

- a) Enquiry Terms & Conditions
- b) BOQ cum Price Format (Prices should be quoted in this format only)-
- c) Technical Specifications no. PE-TS-426-100-N001 (REV. 0).
- d) SCC (Rev 01)
- e) Performance Bank Guarantee format.
- f) corrigendum to GCC (Rev.06).
- g) TECHNICAL Pre-Qualifying Requirement (PQR)
- h) Reverse Auction Guideline 2016.
- i) Cost of withdrawal (Deviations Sheet) for technical and commercial

PROJECT:- 1 x 660 MW PANKI TPS EXTENSION
PACKAGE:- MISC. PUMPS(VERT.) TYPE-J (FLOW<1000 CMH)
ENQUIRY NO.:- PEPG/PKI/E-6192/2019 Dtd. 06.05.2019
VENDOR:-

SL. No.	DESCRIPTIONS OF WORKS OR EQUIPMENT	Unit	Qty	HNSAC 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 FOR SITE PRICE (Rs.)
1	Total price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, proper packing for delivery and installation checks and replacement of gland packing with Mechanical Seal arrangement (if applicable) at site and PG Test at site for Miscellaneous Pumps along with mandatory spares complete with all accessories as per the requirements specified in this specification and any other services, etc. If called for elsewhere in the Technical specification (No. PE-TS-426-100-N001 Rev 00) for MISC PUMPS	1	2	3	4	5	6	7	8	9	10	11
1.0	Pumps and Motor (Vertical Pumps Type I):											
	(i) CW MAKE-UP PUMPS											
1	CW MAKE-UP PUMPS Pump price	No's	3	8413								
2	CW MAKE-UP PUMPS Motor price	No's	3	8413								
3	CW MAKE-UP PUMPS Pump/ Motor accessories (As applicable)	No's	3	8413								
4	CW MAKE-UP PUMPS Mandatory Spares (as per Annexure -II)	Lot	1	8413								
5	APH /ESP WASH PUMPS											
6	APH /ESP WASH PUMPS Pump price:	No's	2	8413								
7	APH /ESP WASH PUMPS Motor price:	No's	2	8413								
8	APH /ESP WASH PUMPS Pump/ Motor accessories (As applicable)	No's	2	8413								
9	APH /ESP WASH PUMPS Mandatory Spares (as per Annexure -II)	Lot	1	8413								
10	AHP / CHP PUMPS											
11	AHP / CHP PUMPS Pump price	No's	2	8413								
12	AHP / CHP PUMPS Motor price	No's	2	8413								
13	AHP / CHP PUMPS Pump/ Motor accessories (As applicable)	No's	2	8413								
14	AHP / CHP PUMPS Mandatory Spares (as per Annexure -II)	Lot	1	8413								
15	SERVICE WATER PUMPS											
16	SERVICE WATER PUMPS Pump price	No's	2	8413								
17	SERVICE WATER PUMPS Motor price	No's	2	8413								
18	SERVICE WATER PUMPS Pump/ Motor accessories (As applicable)	No's	2	8413								
19	SERVICE WATER PUMPS Mandatory Spares (as per Annexure -II)	Lot	1	8413								
20	FGD MAKE-UP PUMPS											
21	FGD MAKE-UP PUMPS Pump price	No's	2	8413								
22	FGD MAKE-UP PUMPS Motor price	No's	2	8413								
23	FGD MAKE-UP PUMPS Pump/ Motor accessories (As applicable)	No's	2	8413								
24	FGD MAKE-UP PUMPS Mandatory Spares (as per Annexure -II)	Lot	1	8413								
25	Cost of site visits for installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT) 3 nos. site visits for 3 days each.			99833								
26	Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT) 3 nos. site visits for 3 days each. - Charges per visit	Visit	3	99833								
27	Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT) 3 nos. site visits for 3 days each. - Manday Charges	Days	9	99833								
28	PG Test at site	Lot	1	99833								

श्री प्रकाश यादव / Shri Prakash Yadav
 उपा प्रबंध (सी.जी.एम.) / Dy. Manager (PG-MU) / C.J.M.
 भारत ईवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
 यादव सेक्टर-परियोजना अधिकारी प्रभु

Power Sector-Project Engineering Management
 भारतीय सैन्य, एच.आर.डी.आर. एवं इंजीनियरिंग कॉम्प्लेक्स
 PPEI Bldg, H.R.D.I. & ESI Complex,
 प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
 प्लॉट नं. 25, सेक्टर 16 A, नोडा - 201301

PROJECT:-	1 x 660 MW PANKI TPS EXTENSION
PACKAGE:-	MISC. PUMPS(VERT.) TYPE-I (FLOW<1000 CMH)
ENQUIRY NO.:-	PE/PG/PKJE-6192/2019 Dtd. 06.05.2019
VENDOR :-	

		DESCRIPTIONS OF WORKS OR EQUIPMENT			Unit	Qty	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.)
SL. No.					1	2	3	4	5	6	7	8	9	10	11
	Total price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, proper packing for delivery and installation checks and replacement of gland packing with Mechanical Seal arrangement (if applicable) at site and PG Test at site for Miscellaneous Pumps along with mandatory spares complete with all accessories as per the requirements specified in this specification and any other services, etc. If called for elsewhere in the Technical specification (No: PE-TS-426-100-N001 Rev 00) for MISC PUMPS														
TOTAL (1 to 23)															
0+															
	a) Bidder to indicate cost of site visits for installation check & replacement of gland packing with Mechanical seal (as applicable), in their price in 2.0 above. Further additional site visit per day charges shall be as obtained prorata as 2.0 above.														
	b) Unit price quoted by bidder, as above, shall be binding for any quantity variation, which is at the discretion of purchaser.														
	c) Price of commissioning & erection spares, special Tools & tackle and other accessories not listed above shall be included in the price of pump & shall be supplied with the pump.														
	d) Indicate all taxes, duties etc. stating whether included/ excluded in above prices.														
	e) Please refer technical specification for detail.														
	f) Mandatory Spare Note: 1. 1 Set is equivalent to spare required for assembling one pump unless otherwise specified. 2. In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities generally in line with the approach followed as above.														
Bidder shall furnish this price Schedule Indicating "Quoted/Not-Quoted" along with technical offer and actual prices in his price offer.															
					NAME			DESIGNATION							

Shri Prakash Yadav
श्री प्रकाश यादव / Shri Prakash Yadav
उप प्रबंधक (वि.जी.एम.) / Dy. Manager (PG-M)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अधिकारी प्रभु
Power Sector-Project Engineering Management
कोपीरडाई भवन, एच.आर.डी.आई. एच.एस.आई. कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
प्लॉट नं. 25 सेक्टर 16 ए, नोएडा - 201301
Plot No. 25 Sec: 16A, Noida - 201301

Page 01 of 09

Signature
श्री प्रकाश यादव / Shri Prakash Yadav
उपा प्रबंधक (पी.जी.डी.) / Dy. Manager (P.G.-III)
भारत प्रैवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर - परियोजना अभियंता/पी.जी. प्रबंधन
Power Sector-Project Engineering Management
पीपीईआई यवन, एच.आर.डी.आई. एच. ईस्टवार्ड कॉम्प्लेक्स,
PPEI Bldg. H.R.D.I. & ESI Complex,
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec 16 A, Noida - 201301

ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	HSN 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	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT)(Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
S. No.				2	3	4	5	6	7	8	9
1.2	APH WASH PUMPS										
	1.2.1 IMPELLER	1 No of each type & size.	8413								
	1.2.2 SHAFTS	1 No of each type & size.									
	1.2.3 SHAFT SLEEVES FOR PUMP	1 Set of each type & size.									
	1.2.4 CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.									
	1.2.5 BEARINGS FOR PUMP	2 Sets of each type & size.									
	1.2.6 THRUST BEARINGS	2 Sets of each type & size.									
	1.2.7 Sleeve nuts & bearings	1 Set of each type & size.									
	1.2.8 GLAND PACKING	2 Sets of each type & size.									
	1.2.9 FASTENERS	1 Set of each type & size.									
	1.2.10 COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.									
	1.2.11 MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.									
1.3	AHP / CHP PUMPS										
		SPARES FOR PUMPS	8413								
	1.3.1 IMPELLER	1 No of each type & size.									
	1.3.2 SHAFTS	1 No of each type & size.									
	1.3.3 SHAFT SLEEVES FOR PUMP	1 Set of each type & size.									
	1.3.4 CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.									
	1.3.5 BEARINGS FOR PUMP	2 Sets of each type & size.									
	1.3.6 THRUST BEARINGS	2 Sets of each type & size.									
	1.3.7 Sleeve nuts & bearings	1 Set of each type & size.									
	1.3.8 GLAND PACKING	2 Sets of each type & size.									
	1.3.9 FASTENERS	1 Set of each type & size.									
	1.3.10 COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.									
	1.3.11 MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.									
		LT MOTOR SPARES									
	1.3.12 Terminal plates	10 Nos. each for small motors upto 30 kW & 4 Nos. each for more than 30 kW									
	1.3.13 Heaters	2 sets									
	1.3.14 Greasing arrangements	4 sets each type of motor									
	1.3.15 Motor of each type and rating	10% of the installed quantity or minimum 1 number whichever be higher									
	1.3.16 Bearings (DE and NDE) for each type and rating of motors.	5 sets									
	1.3.17 Stator winding coils for all type of LT motors	One (1) set									
	1.3.18 Dust seals and gaskets for each type of motors	Three (3) sets									

श्री प्रकाश यादव / Shri Prakash Yadav

उप प्रबंधक (पी.जी.डी.) / Dy. Manager (P.G.-II)

भारत डी. इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.

पावर सेक्टर-परियोजना अभियंता प्रबंध

Power Sector-Project Engineering Management

पीपीईआई प्रबन्ध, एच.आर.डी.आई. एवं ईएसआई संयंत्रों पर

PPEI Bldg. H.R.D.I. & ESI Complex.

प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301

Plot No. 25, Sec. 16 A, Noida - 201301

S. No.	ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	HSN 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	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT)(Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
				1	2	3	4	5	6	7	8	9
				8413								
		SPARES FOR PUMPS										
		1.4.1 IMPELLER	1 No of each type & size.									
		1.4.2 SHAFTS	1 No of each type & size.									
		1.4.3 SHAFT SLEEVES FOR PUMP	1 Set of each type & size.									
		1.4.4 CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.									
		1.4.5 BEARINGS FOR PUMP	2 Sets of each type & size.									
		1.4.6 THRUST BEARINGS	2 Sets of each type & size.									
		1.4.7 Sleeve nuts & bearings	1 Set of each type & size.									
		1.4.8 GLAND PACKING	2 Sets of each type & size.									
		1.4.9 FASTENERS	1 Set of each type & size.									
		1.4.10 COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.									
		1.4.11 MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.									
		LT MOTOR SPARES										
		1.4.12 Terminal plates	10 Nos. each for small motors upto 30 kW & 4 Nos. each for more than 30 kW									
		1.4.13 Heaters	2 sets									
		1.4.14 Greasing arrangements	4 sets each type of motor									
		1.4.15 Motor of each type and rating	10% of the installed quantity or minimum 1 number whichever be higher									
		1.4.16 Bearings (DE and NDE) for each type and rating of motors.	5 sets									
		1.4.17 Stator winding coils for all type of LT motors	One (1) set									
		1.4.18 Dust seals and gaskets for each type of motors	Three (3) sets									

SERVICE WATER PUMPS

1.4

Signature

श्री प्रकाश यादव / Shri Prakash Yadav

उप प्रबंधक (पी.जी.डी.) / Dy. Manager (PG-III)

भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.

पावर सेक्टर-परियोजना अभियंत्रण प्रबंधन

Power Sector-Project Engineering Management

पीपीईआई भवन, एच.आर.डी.आई. एंड ईएसआई कॉम्प्लेक्स

PPEI Bldg. H.R.D.I. & ESI Complex,

प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301

Plot No. 25, Sec 16 A, Noida - 201301

ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	HSN 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	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT)(Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
S. No.			1	2	3	4	5	6	7	8	9
1.5 FGD MAKE-UP PUMPS	SPARES FOR PUMPS		8413								
	1.5.1 IMPELLER	1 No of each type & size.									
	1.5.2 SHAFTS	1 No of each type & size.									
	1.5.3 SHAFT SLEEVES FOR PUMP	1 Set of each type & size.									
	1.5.4 CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.									
	1.5.5 BEARINGS FOR PUMP	2 Sets of each type & size.									
	1.5.6 THRUST BEARINGS	2 Sets of each type & size.									
	1.5.7 Sleeve nuts & bearings	1 Set of each type & size.									
	1.5.8 GLAND PACKING	2 Sets of each type & size.									
	1.5.9 FASTENERS	1 Set of each type & size.									
	1.5.10 COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.									
	1.5.11 MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.									
	LT MOTOR SPARES										
	1.5.12 Terminal plates	10 Nos. each for small motors upto 30 kW & 4 Nos. each for more than 30 kW									
	1.5.13 Heaters	2 sets									
	1.5.14 Greasing arrangements	4 sets each type of motor									
	1.5.15 Motor of each type and rating	10% of the installed quantity or minimum 1 number whichever be higher									
	1.5.16 Bearings (DE and NDE) for each type and rating of motors.	5 sets									
	1.5.17 Stator winding coils for all type of LT motors	One (1) set									
	1.5.18 Dust seals and gaskets for each type of motors	Three (3) sets									
		TOTAL									

Shri Prakash Yadav

श्री प्रकाश यादव / Shri Prakash Yadav
 उप प्रबंधक (सी.जी.डी.) / Dy. Manager (PG-III)
 भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
 पावर सेक्टर-परियोजना अभियंता/प्रबंधन
 Power Sector-Project Engineering Management
 पौरोईआई बवन, एच.आर.डी.आई. एंड ईएसआई कॉम्प्लेक्स
 PPEI Bldg, H.R.D.I. & ESI Complex,
 प्लॉट नं. 25, सेक्टर 18 ए, नोएडा - 201301
 Plot No. 25, Sec 18 A, Noida - 201301