

Ref. Enquiry No.: PE/PG/PKI/E-6348/2019
Dated: 27.12.2019

DUE DATE
06 JAN 2020
By 02.00 P.M

Subject :- N.I.T- ENQUIRY FOR Misc Pumps (Vertical) as per Technical Specification No PE-TS-426-100-N001 for 1 x 660 MW UPRVUNL PANKI TPS EXTN. .

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.abcprocure.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.abcprocure.com>) under Tender Reference 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 01) for MISC PUMPS (Vertical) and delivery to site for 1 X 660 MW UPRVUNL PANKI TPS as specified/ defined as per tender documents & Technical specification, 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 (Vertical)	As per BOQ cum Price Schedule	As per cl no. 16 below

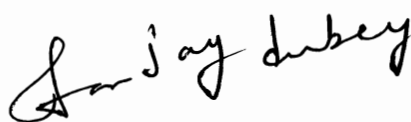
Your best quotation/offer for the above requirement, in line with our terms and conditions, should be uploaded in e-procurement Portal. It shall be the responsibility of the bidder to ensure that the tender is uploaded on or before the due date and time. Part-I bids shall be opened at **03.00 P.M** on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

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

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

Bidders are requested to upload their best offer on <https://bhel.abcprocure.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. 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 RANA, 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: 0120-4368835
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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 conditions: -
 - a. Approval of bidder by End Customer.
 - b. Techno-commercial recommendation by BHELApproval shall be taken up by BHEL with customer based on the credentials / reference list. Hence, **bidders are requested to submit the required format (Sub-Vendor Questionnaire of vendor approval) with supported document** as requested, on or before Part-1 opening / due date)
15. 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.



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16. **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 Annexure – I (attached).

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 its service engineer for respective site activity within 15 days from BHEL's intimation (for deputing service engineer) for such site activity.

For delay in deputing service engineer, LD on site activities portion shall be applicable @ ½% of the total site activities portion contract value (excluding element of taxes) per week or part thereof, with applicable GST. However, total LD (supply + site activities) shall be limited to 10% of cumulative total contract value excluding taxes and freight (supply + site activities).

Details shall be as per Annexure – I (attached).

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.

17. Following delivery terms shall also be read in conjunction of aforesaid point sl. No. 16;

- 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 cl. No. 16 as above & enclosed Annexure – I of delivery terms.

18. **Payment Terms: -**

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

ii) Payment terms for **Site Activities** shall be as per Cl. 9.5 of corrigendum to GCC (Rev. 06).

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

20. 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.

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

Sanjay Dubey

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22. 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.

23. 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.

24. 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.

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 organisation contact number and e-mail Id etc. In case the same found not available, Purchaser has right to reject such document from evaluation.

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 Available for this package. vendor to quote accordingly.

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 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,



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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

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.abcpurchase.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 attached along with this NIT (File name – Annexure H Instruction regarding E-procurement)

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 15.06.2017, 28.05.2018 & 29.05.2019 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.

Further, for implementation of make in India Guidelines & circulars, please note the following;

- Minimum local content for this package is 100% as prescribed by nodal ministry.
- Nature of package is "Not Divisible"
- Margin of Purchase Preference shall be 20%.
- Procedure for preference to Make in India shall be as per clause no. 3-C of public procurement (preference to Make in India), order 2017, dt. 15.06.17, 28.05.2019 & 29.05.2019 and subsequent order/amendment if any.

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.



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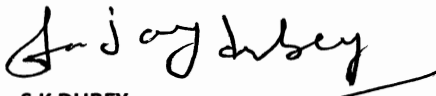
39. Bidder to note Model CONCILIATION SCHEME under BHEL, Conciliation Scheme, 2018 as available at BHEL-PEM website at Tender section – Important Instruction for Bidder and also is the part of NIT.
40. The offers of the bidders who are on the banned list and also the offers of the bidders, who engage 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. – To be filled in DEVIATION SHEET (COST OF WITHDRAWAL) format provided in e-procurement portal in bidding form only.
 - 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.- To be filled in e-procurement portal in bidding form only.

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 price bid section of e-procurement. Wherever GCC Rev06 is mentioned same is to be read in conjunction with GST related corrigendum to GCC (Rev06).

- ❖ Please contact to BHEL (via mail or phone) for any clarification (technical or commercial) at least one week before the due date (Techno-Commercial bid opening).
- ❖ 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


S K DUBEY
(DGM/PG-III/BHEL-PEM) 27/12/19

संजय कुमार दूबे / Sanjay Kumar Dubey
उप महाप्रबंधक (पी.जी.-III) / Dy. General Manager (PG-III)
भारत भारी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
पोपेन्द्राई भवन, एचआरडी एण्ड ईएसआई कॉम्प्लेक्स
PPEI Bldg. HRD & ESI Complex,
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

Enclosures:

- Enquiry Terms & Conditions
- BOQ cum Price schedule.
- Technical Specifications no. PE-TS-426-100-N001 (REV. 01).
- SCC (Rev 01)
- Performance Bank Guarantee format.
- corrigendum to GCC (Rev.06).
- TECHNICAL Pre-Qualifying Requirement (PQR)
- Reverse Auction Guideline 2016.
- BHEL CONCILIATION SCHEME, 2018.
- Sub-Vendor Questionnaire of vendor approval.
- Annexure – I (for delivery terms).
- INSTRUCTIONS TO PACKING LIST.

Standard Delivery Schedule of PEM BOIs (MSE)

Annexure - I

Sl. No	Package Code	Package name	DEPTT	BHEL Drawing No	Drawing Title	Primary/Secondary	BHEL Inputs	Drg Sch for Vendors	Standard Delivery Terms for Supply Portion	Scope of Services, (if any, as per Indent) and corresponding schedule for rendering the services
2	100-68000-A	MISC.PUMPS (VERTICAL) TYPE-I (FLOW <1000 CMH) MISC.PUMPS (VERTICAL) TYPE-II (FLOW >1000 CMH)	MSE	PE-V7-XXX-100-N001	TDS AND PERFORMANCE CURVES- MISC. PUMPS	Primary	Motor documents (in case of BHEL scope) R-0 within 20 days of approval on motor document & 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. * In case of motor in BHEL scope, corresponding preliminary Pump GA & cross-section drawing to be submitted by vendor within 20 days from PO & final along with Pump GA & cross-section within 10 days of motor GA from BHEL. R-0 within 20 days of approval on motor document & 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. * In case of requirement of actual type test conductance of Motor, this document shall be got approved after conductance of type test from BHEL (before final inspection of respective pump)	R-0 within 21 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. * In case of motor in BHEL scope, corresponding preliminary Pump GA & cross-section drawing to be submitted by vendor within 20 days from PO & final along with Pump GA & cross-section within 10 days of motor GA from BHEL. R-0 within 20 days of approval on motor document & 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. * In case of requirement of actual type test conductance of Motor, this document shall be got approved after conductance of type test from BHEL (before final inspection of respective pump)	Within Five (05) months for CI casing pumps & SW (eg. months for SS & D2 casing pumps, 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. In case of requirement of final inspection of Pump with Job Motor at vendor's works (as per approved QP) and such Motor is in BHEL scope, vendor shall inform requirement of BHEL's motor atleast one month in advance of Pump readiness, so that BHEL shall arrange motor at vendor's works within one month of such intimation. Time taken by BHEL in arranging motor at vendor's premises beyond one month of such intimation shall be considered for delay analysis.	Installation checks before commissioning PG Test Vendor to depute its service engineer for respective site activity within 15 days from BHEL's intimation (for deputing service engineer) for such site activity. For delay in deputing service engineer, LD on site activities portion shall be applicable @ 1/2% of the total site activities portion contract value (excluding element of taxes) per week or part thereof, with applicable GST. However, total LD (supply + site activities) shall be limited to 10% of cumulative total contract value excluding taxes and freight (supply + site activities).
				PE-V7-XXX-100-N002	GENERAL ARRANGEMENT AND CROSS SECTIONAL PUMPS	Primary				
				PE-V7-XXX-100-N003	TDS AND CURVES OF MOTORS FOR MISC. PUMPS	Primary				
				PE-V7-XXX-100-N004	QP-MISC PUMPS	Primary				
				PE-V7-XXX-100-N005	QP- MOTORS	Primary				
				PE-V7-XXX-100-N006	MOTOR TYPE TEST DOC (if applicable)	Secondary				
				PE-V7-XXX-100-N007	OM M MANUAL -VER. PUMPS	Secondary	within 30 days of issuance of MDCC. R-0 within 20 days of Cat-I(or)II approval on pump document.			
				PE-V6-426-100-N008	PG TEST PROCEDURE -VERTICAL PUMPS	Secondary				

For Jod Dubey
28/12/19

PROJECT:- 1 x 660 MW PANKI TPS EXTENSION
 PACKAGE:- MISC. PUMPS(VERT.)
 ENQUIRY NO.:- PE/PG/PIK/IE-6348/2019 Dtd. 27.12.2019

SL. No	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.)
1	1	2	3	4	5	6=3X5	7	8	9	10	11	12=8+9+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 01) for MISC PUMPS- VERTICAL											
1.0	Pumps and Motor (Vertical Pumps Type I):											
	(I) CW MAKE-UP PUMPS											
	Pump price:	No's	3	8413								
	Motor price:	No's	3	8413								
	Pump/ Motor accessories (As applicable)	No's	3	8413								
	Mandatory Spares (as per Annexure -B)	Lot	1	8413								
	(II) APH /ESP WASH PUMPS											
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/ Motor accessories (As applicable)	No's	2	8413								
	Mandatory Spares (as per Annexure -B)	Lot	1	8413								
	(III) AHP /GHP PUMPS											
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/ Motor accessories (As applicable)	No's	2	8413								
	Mandatory Spares (as per Annexure -B)	Lot	1	8413								
	(IV) SERVICE WATER PUMPS											
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/ Motor accessories (As applicable)	No's	2	8413								
	Mandatory Spares (as per Annexure -B)	Lot	1	8413								
	(V) FGD MAKE-UP PUMPS											
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/ Motor accessories (As applicable)	No's	2	8413								
	Mandatory Spares (as per Annexure -B)	Lot	1	8413								
	(VI) ACW PUMPS											
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/ Motor accessories (As applicable)	No's	2	8413								
	Mandatory Spares (as per Annexure -B)	Lot	1	8413								
	(VII) RAW WATER INTAKE PUMPS											
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/ Motor accessories (As applicable)	No's	2	8413								
	Mandatory Spares (as per Annexure -B)	Lot	1	8413								
	(VIII) RAW WATER PUMPS											

Sanjay Dubey

PROJECT:- 1 x 660 MW PANKI TPS EXTENSION
PACKAGE:- MISC. PUMPS(VERT.)
ENQUIRY NO.:- IEPG/PKJE-6348/2019 Dtd. 27.12.2019

SL. No	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	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.)
1		2	3	4	5	6=3X5	7	8	9	10	11	12=8+9+11
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/Motor accessories (As applicable)	Lot	1	8413								
	Mandatory Spares (as per Annexure -B)											
(ix)	LASH WATER MAKE-UP PUMPS											
	Pump price:	No's	2	8413								
	Motor price:	No's	2	8413								
	Pump/Motor accessories (As applicable)	Lot	1	8413								
	Mandatory Spares (as per Annexure -B)											
2.0	Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT) 6 nos. site visits for 3 days each.											
a)	Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT)- Charges per visit	Visit	6	99833								
b)	Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT)-Manday Charges	Days	18	99833								
3.0	PG Test at site	Lot	1	99833								
0+	TOTAL (1.0+ 2.0 +3.0)											
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 prorate as 2.0 above.											
b)	Unit price quoted by bidder, as above, shall be binding for quantity variation*, which is at the discretion of purchaser.											
c)	*Quantity variations shall be as per NIT Sl. no 20.											
d)	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.											
e)	Indicate all taxes, duties etc. stating whether included/ excluded in above prices.											
f)	Please refer technical specification for detail.											
g)	Mandatory Spare Note:											
1.	1. Set is equivalent to spare required for assembling one pump unless otherwise specified.											
2.	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.

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	ITEM DESCRIPTION		MANDATORY SPARES LIST	QTY & unit	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 (Rs.)	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	10	11	12	13	
1.0	MANDATORY SPARES PRICES-PUMPS (VERTICAL PUMPS -TYPE I)													
1.1	CW MAKE-UP PUMPS		SPARES FOR PUMPS											
		1.1.1	IMPELLER	1 No of each type & size.	8413									
		1.1.2	SHAFTS	1 No of each type & size.	8413									
		1.1.3	SHAFT SLEEVES FOR PUMP	1 Set of each type & size.	8413									
		1.1.4	CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.	8413									
		1.1.5	BEARINGS FOR PUMP	2 Sets of each type & size.	8413									
		1.1.6	THRUST BEARINGS	2 Sets of each type & size.	8413									
		1.1.7	Sleeve nuts & bearings	1 Set of each type & size.	8413									
		1.1.8	GLAND PACKING	2 Sets of each type & size.	8413									
		1.1.9	FASTENERS	1 Set of each type & size.	8413									
		1.1.10	COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.	8413									
		1.1.11	MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.	8413									
			LT MOTOR SPARES											
		1.1.12	Terminal plates	10 Nos. each for small motors upto 30 kW & 4 Nos. each for more than 30 kW	8413									
		1.1.13	Heaters	2 sets	8413									
		1.1.14	Greasing arrangements	4 sets each type of motor	8413									
		1.1.15	Motor of each type and rating	10% of the installed quantity or minimum 1 number whichever be higher	8413									
		1.1.16	Bearings (DE and NDE) for each type and rating of motors.	5 sets	8413									
1.1.17	Stator winding coils for all type of LT motors	One (1) set	8413											
1.1.18	Dust seals and gaskets for each type of motors	Three (3) sets	8413											
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.	8413									
		1.2.3	SHAFT SLEEVES FOR PUMP	1 Set of each type & size.	8413									
		1.2.4	CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.	8413									
		1.2.5	BEARINGS FOR PUMP	2 Sets of each type & size.	8413									
		1.2.6	THRUST BEARINGS	2 Sets of each type & size.	8413									
		1.2.7	Sleeve nuts & bearings	1 Set of each type & size.	8413									
		1.2.8	GLAND PACKING	2 Sets of each type & size.	8413									
		1.2.9	FASTENERS	1 Set of each type & size.	8413									
		1.2.10	COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.	8413									
		1.2.11	MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.	8413									
1.3	AHP / CHP PUMPS		SPARES FOR PUMPS											
		1.3.1	IMPELLER	1 No of each type & size.	8413									
		1.3.2	SHAFTS	1 No of each type & size.	8413									
		1.3.3	SHAFT SLEEVES FOR PUMP	1 Set of each type & size.	8413									
		1.3.4	CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.	8413									
		1.3.5	BEARINGS FOR PUMP	2 Sets of each type & size.	8413									
		1.3.6	THRUST BEARINGS	2 Sets of each type & size.	8413									
		1.3.7	Sleeve nuts & bearings	1 Set of each type & size.	8413									
		1.3.8	GLAND PACKING	2 Sets of each type & size.	8413									
		1.3.9	FASTENERS	1 Set of each type & size.	8413									
		1.3.10	COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.	8413									
		1.3.11	MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.	8413									
			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	8413									
		1.3.13	Heaters	2 sets	8413									
		1.3.14	Greasing arrangements	4 sets each type of motor	8413									
		1.3.15	Motor of each type and rating	10% of the installed quantity or minimum 1 number whichever be higher	8413									
		1.3.16	Bearings (DE and NDE) for each type and rating of motors.	5 sets	8413									
1.3.17	Stator winding coils for all type of LT motors	One (1) set	8413											
1.3.18	Dust seals and gaskets for each type of motors	Three (3) sets	8413											
1.4	SERVICE WATER PUMPS		SPARES FOR PUMPS											
		1.4.1	IMPELLER	1 No of each type & size.	8413									
		1.4.2	SHAFTS	1 No of each type & size.	8413									
		1.4.3	SHAFT SLEEVES FOR PUMP	1 Set of each type & size.	8413									
		1.4.4	CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.	8413									
		1.4.5	BEARINGS FOR PUMP	2 Sets of each type & size.	8413									
		1.4.6	THRUST BEARINGS	2 Sets of each type & size.	8413									
		1.4.7	Sleeve nuts & bearings	1 Set of each type & size.	8413									
		1.4.8	GLAND PACKING	2 Sets of each type & size.	8413									
		1.4.9	FASTENERS	1 Set of each type & size.	8413									
		1.4.10	COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.	8413									
		1.4.11	MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.	8413									
			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	8413									
		1.4.13	Heaters	2 sets	8413									
		1.4.14	Greasing arrangements	4 sets each type of motor	8413									
		1.4.15	Motor of each type and rating	10% of the installed quantity or minimum 1 number whichever be higher	8413									
		1.4.16	Bearings (DE and NDE) for each type and rating of motors.	5 sets	8413									
1.4.17	Stator winding coils for all type of LT motors	One (1) set	8413											
1.4.18	Dust seals and gaskets for each type of motors	Three (3) sets	8413											
			SPARES FOR PUMPS											

PROJECT:-	1 x 660 MW PANKI TPS EXTENSION
PACKAGE:-	Mandatory Spares for MISC. PUMPS(VERTICAL)
ENQUIRY NO.:-	PE/PG/PKI/E-6348/2019 Dtd. 27.12.2019

	ITEM DESCRIPTION		MANDATORY SPARES LIST	QTY & unit	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 (Rs.)	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	10	11	12	13	
1.0	MANDATORY SPARES PRICES-PUMPS (VERTICAL PUMPS -TYPE I)													
1.5	FGD MAKE-UP PUMPS	1.5.1	IMPELLER	1 No of each type & size.	8413									
		1.5.2	SHAFTS	1 No of each type & size.	8413									
		1.5.3	SHAFT SLEEVES FOR PUMP	1 Set of each type & size.	8413									
		1.5.4	CASING & IMPELLER WEARING RINGS	2 Sets of each type & size.	8413									
		1.5.5	BEARINGS FOR PUMP	2 Sets of each type & size.	8413									
		1.5.6	THRUST BEARINGS	2 Sets of each type & size.	8413									
		1.5.7	Sleeve nuts & bearings	1 Set of each type & size.	8413									
		1.5.8	GLAND PACKING	2 Sets of each type & size.	8413									
		1.5.9	FASTENERS	1 Set of each type & size.	8413									
		1.5.10	COMPLETE COUPLING (PUMP & MOTOR)	1 Set of each type & size.	8413									
		1.5.11	MECHANICAL SEAL (IF APPLICABLE)	1 Set of each type & size.	8413									
		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	8413									
		1.5.13	Heaters	2 sets	8413									
		1.5.14	Greasing arrangements	4 sets each type of motor	8413									
		1.5.15	Motor of each type and rating	10% of the installed quantity or minimum 1 number whichever be higher	8413									
		1.5.16	Bearings (DE and NDE) for each type and rating of motors.	5 sets	8413									
		1.5.17	Stator winding coils for all type of LT motors	One (1) set	8413									
		1.5.18	Dust seals and gaskets for each type of motors	Three (3) sets	8413									
1.6	ACW PUMPS	1.6.1	IMPELLER	1 set	8413									
		1.6.2	SHAFT (LINE SHAFT & VERTICAL SHAFT)	1 set	8413									
		1.6.3	SHAFT SLEEVES FOR PUMP	2 sets	8413									
		1.6.4	PUMP & MOTOR BEARINGS (Including thrust bearing if applicable)	1 set	8413									
		1.6.5	Complete Line shaft Coupling	1 set	8413									
		1.6.6	Wearing ring or equivalent for Impeller (if applicable)	1 set	8413									
		1.6.7	Wearing ring or equivalent for Casing/ Bowl (if applicable)	1 set	8413									
		1.6.8	Coupling between line shaft & head shaft	1 set	8413									
		1.6.9	Mechanical seal or gland packing as applicable for the pumps	1 set	8413									
		1.6.10	Pads of thrust bearing of each type	2 sets each	8413									
		1.6.11	GASKETS	1 set	8413									
		1.6.12	BUSHES for coupling	1 set	8413									
		1.6.13	NUTS & BOLTS	1 set	8413									
		1.7	RAW WATER INTAKE PUMPS	1.7.1	IMPELLER	One No for each type	8413							
1.7.2	SHAFT (LINE SHAFT & VERTICAL SHAFT)			One set for each type	8413									
1.7.3	SHAFT SLEEVES FOR PUMP			One No for each type	8413									
1.7.4	PUMP & MOTOR BEARINGS (Including thrust bearing if applicable)			One No for each type	8413									
1.7.5	Complete Line shaft Coupling			One set for each type	8413									
1.7.6	Wearing ring or equivalent for Impeller (if applicable)			One No for each type	8413									
1.7.7	Coupling between line shaft & head shaft			One set for each type	8413									
1.7.8	GASKETS			One set for each type	8413									
1.7.9	BUSHES for coupling			One set for each type	8413									
1.7.10	NUTS & BOLTS			One set for each type	8413									
1.8	RAW WATER PUMPS	1.8.1	IMPELLER	One No for each type	8413									
		1.8.2	SHAFT (LINE SHAFT & VERTICAL SHAFT)	One set for each type	8413									
		1.8.3	SHAFT SLEEVES FOR PUMP	One No for each type	8413									
		1.8.4	PUMP & MOTOR BEARINGS (Including thrust bearing if applicable)	One No for each type	8413									
		1.8.5	Complete Line shaft Coupling	One set for each type	8413									
		1.8.6	Wearing ring or equivalent for Impeller (if applicable)	One No for each type	8413									
		1.8.7	Coupling between line shaft & head shaft	One set for each type	8413									
		1.8.8	GASKETS	One set for each type	8413									
		1.8.9	BUSHES for coupling	One set for each type	8413									
		1.8.10	NUTS & BOLTS	One set for each type	8413									
1.9	ASH WATER MAKE-UP PUMPS	1.9.1	IMPELLER	One No for each type	8413									
		1.9.2	SHAFT (LINE SHAFT & VERTICAL SHAFT)	One set for each type	8413									
		1.9.3	SHAFT SLEEVES FOR PUMP	One No for each type	8413									
		1.9.4	PUMP & MOTOR BEARINGS (Including thrust bearing if applicable)	One No for each type	8413									
		1.9.5	Complete Line shaft Coupling	One set for each type	8413									
		1.9.6	Wearing ring or equivalent for Impeller (if applicable)	One No for each type	8413									
		1.9.7	Coupling between line shaft & head shaft	One set for each type	8413									
		1.9.8	GASKETS	One set for each type	8413									
		1.9.9	BUSHES for coupling	One set for each type	8413									
		1.9.10	NUTS & BOLTS	One set for each type	8413									
				TOTAL										

Anjay dubey