



BHARAT HEAVY ELECTRICALS LIMITED भारत हैवी इलेक्ट्रिकल्स लिमिटेड
(A GOVT. OF INDIA UNDERTAKING) (भारत सरकार का उपक्रम)
PROJECT ENGINEERING MANAGEMENT परियोजना अभियांत्रिकी प्रबंधन

निविदा आमंत्रण सूचना
NOTICE INVITING TENDER (NIT)

Enquiry No- 77/24/6117/RAE

Date -28-Apr-25

BHEL invites offers from reputed Suppliers as per following terms and conditions -

1. Tender Type	Open Tender (Domestic-Indian)		
2. Package	Misc. Pumps-Horizontal		
3. Project	1. 2X800 MW USTPP APL RAIPUR (PH-II), 2. 2X800 MW USTPP APL RAIGARH (PH-II), 3. 2X800 MW USTPP MIRZAPUR (PH-I), 4. 2X800 MW USTPP APL MAHAN (PH-III), 5. 2X800 MW USTPP KORBA(PH-III), 6. 2X800 MW USTPP KAWAI (PH-II),		
4. Executing Agency	BHEL-PEM		
5. Mode of Enquiry	E - PROCUREMENT		
6. Nature of Package (Divisible/Non-Divisible)	Non-Divisible		
7. Numbers of Part bid	2-Part bid (Techno-commercial and Price bid)		
8. Due Date & Time	For offer submission	08.05.2025	11:00 IST
	For P-1 bid opening	08.05.2025	16:00 IST
9. Earnest Money Deposit (EMD)	Applicable	EMD Amount	6,00,000
10. Tender Cost	NIL		
11. Eligibility of Local Supplier as per MII	Only Class I Supplier (with local content 60% and above)		
12. Technical Scope	As per Technical specification No: PE-TS13/515/516/522/523/524-100-W001, REV-00		
13. Pre-bid Clarification	Suppliers to contact BHEL-PEM (over phone/ mail/ visit-BHEL-PEM) for any clarification (Technical or Commercial) at least 05 days before the due date of Tender opening & get it clarified well before the due date, so that offers by the Suppliers may be submitted within the due date & time.		
14. Prequalification Requirements	Financial PQR- Not applicable		Technical PQR- YES
15. Delivery terms for Supply	FOR Despatch Station		
16. Delivery Schedule:			
Main Supply and Mandatory Spares	Main Supply: Delivery completion for Main supply for all-six projects-shall be as per below mentioned days from PO date. 2X800 MW USTPP, APL RAIPUR (PH-II)- 300 days 2X800 MW USTPP, APL RAIGARH (PH-II) - 420 days 2X800 MW USTPP, MIRZAPUR (PH-I) - 510 days 2X800 MW USTPP, APL MAHAN (PH-III)- 600 days		



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2X800 MW USTPP, APL KORBA (PH-II)- 690 days
2X800 MW USTPP, KAWAI PH-II - 780 days

Mandatory Spares: 90 days from BHEL clearance. Project wise separate manufacturing clearance shall be provided.

- Notes:
- Supplier to start manufacturing/supply only after getting the applicable Primary engineering Drgs. /docs approved from BHEL/End Customer.
- Drawings /documents submission/re-submission schedule shall be as per Technical specification (PE-TS13/515/516/522/523/524-100-W001, REV-00) which shall be used for progress monitoring purpose and required course correction, if any.
- The delivery date 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 purposes. However, to meet project requirement, BHEL may ask for early deliveries without any compensation thereof.
- In case of HT motor (job motor) supplied by BHEL required for pump performance testing at vendors' works, Motor has to be made available at supplier's works 30 days prior to inspection date. In case of any delay in supplying motor at vendor's works, suitable extension to be considered.**

2.0 Validity of Contract for Misc. Pump (Horizontal) for individual projects (PO rates, terms and conditions):

Vendor has to make supply of goods/services as per the delivery time mentioned above. However, due to unavoidable circumstances if delay happens in providing inputs/ clearances (inputs, Engineering approvals, deputing inspector for inspection, issuance of MDCC and any hold imposed owing to site issues etc.) for which delivery time extension is admissible as per point no.3, in such situation it shall be obligatory at vendor part to execute the Contract at PO rates, terms and conditions where inputs/ clearances has been accorded within validity of Contract. Validity period for various activities shall be as defined below or as mentioned in the NIT.

2.1 Contract for main supply shall be valid for following no. of ('C') days from the PO date.

2X800 MW USTPP, APL RAIPUR (PH-II)- 450 days (C)
2X800 MW USTPP, APL RAIGARH (PH-II) - 570 days (C)
2X800 MW USTPP, MIRZAPUR (PH-I) - 660 days (C)
2X800 MW USTPP, APL MAHAN (PH-III)- 750 days (C)
2X800 MW USTPP, APL KORBA (PH-II)- 840 days (C)
2X800 MW USTPP, KAWAI PH-II - 930 days (C)

However, delay at vendor's end (if any) shall be added to the validity period and Contract validity shall get extended by the delay period at vendor's end.

For example: Original Delivery period for main supply: A (in days)

Delay at vendor's end: B (in days beyond "A" days)

Contract validity: C+B (in days)

Notes:

- B is the Vendor delay days beyond original Contractual delivery period for main supply /extended delivery period owing to time taken by BHEL.
- Main supply, applicable in the Contract released/ cleared for manufacturing within Contractual validity period, to be supplied by vendor/supplier at PO rates, terms and conditions.
- Execution of the Contract quantities released beyond Contract validity period shall be decided on mutual consent basis at PO rates, terms and conditions.

3.0 Delivery Extension: Extension of Contractual delivery time:

Delivery time mentioned in the NIT includes Engineering completion time (time for drawing/document submission/resubmission by the vendor and review/approval of the same by the BHEL/End customer),



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manufacturing, inspection, Packing and dispatch time. Due diligence is to be observed by the vendor to ensure timely completion of engineering and supply.

During the execution of the Contract, time loss occurred owing to the reason attributable to BHEL besides force majeure shall be considered for delivery time extension to the vendor as given below: -

- Any Delay in providing comments/ approval on Primary drawing/documents beyond the stipulated time as specified in NIT.
- Time Loss in approval of the drawing/document as a result of increase in the iteration not attributable to the vendor (i.e. resubmission owing to end customer comments) as certified by BHEL. Time extension equivalent to the resubmission time noted in the tech. spec and consequential increase in the approval time in lieu of increase in iteration shall be applicable. However, for incomplete re- submission time loss shall be in vendor account.
- Delay in providing engineering input/material by BHEL.
- Delay in deputing inspector for inspection and delay in release of MDCC in line with GCC
- Any hold put by BHEL for whatever reasons during execution of Contract (within Contract validity period), time extension equivalent to hold period shall be admissible. However, in the event hold period continues for more than 30 days then, an additional fifteen days for the purposes of mobilization and demobilization of resources shall also be admissible.

Note: Extension in delivery period if any with or without imposition of LD shall be considered after detailed delay analysis based on provisions given above. However, no delay analysis will be applicable if supply is completed within delivery schedule as specified in Purchase order.

17. Liquidated Damages (LD)- Consignee-wise: LD shall be applicable as per clause no. 16 of GCC Rev. 07 and its Corrigendum 01 & 02. However, LD shall be applicable on undelivered portion consignee wise of respective scope. All the bidders to ensure the following:

"Supplier to essentially quote prices against each line item of the BOQ in the respective columns. 'NIL', 'Free of Cost', 'Zero' etc. shall not be mentioned for any line item of the BOQ. In such case, Liquidated Damages shall be levied on the Total order/ contract value instead of undelivered portion of the Order/ contract. Also, if price of any line item (X) is mentioned 'Included' in any other line item (Y), then in case of delay in delivery of item (X), LD shall be applicable on value of item (Y)."

18. Guarantee Terms- Consignee-wise: As per Clause No. 12.0 except Clause no. 12.2(b) of General Commercial Terms & Condition of GCC Rev. 07.

19. Validity of offer shall be as per Clause no. 7 (Instruction to Suppliers) of GCC Rev. 07.

20. PVC (Price Variation Clause) shall be applicable as per enclosed PVC Annexure to NIT. All Suppliers shall quote as per the Price Variation Formulae Annexure (Annexure-B) to NIT.

- For reference dates (base date and end date for PVC), please refer the Price Variation Formulae Annexure (Annexure-B) to NIT.
- The total amount of PVC payable shall not exceed 10 % of the BASIC contract value for respective order. Negative price variation (without any limit) shall be passed on to BHEL.

21. CIF Content	Not Available
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22. Integrity Pact Applicability

Pact

Integrity pact is applicable for subject package (refer page 163). IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. A panel of Independent External Monitors (IEMs) have been appointed by BHEL with the approval of CVC. The names of the IEMs in panel are as follows:

Following Independent External Monitors (IEMs) have been appointed by BHEL -

Shri Otem Dai, IAS (Retd.) (iem1@bhel.in)

Shri Bishwamitra Pandey, IRAS (Retd.) (iem2@bhel.in)

Shri Mukesh Mittal, IRS (Retd.) (iem3@bhel.in)

The IP as enclosed is to be submitted (duly signed by authorized signatory) along with techno-commercial bid. Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this pact would be a preliminary qualification.

Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the any of the IEMs mentioned above. All correspondence with the IEMs shall be done through email only.

"No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department officials whose contact details are provided below."

Details of contact person is indicated in point no. 51 below.

23. Tender Evaluation - Price will be finalized through RA. The evaluation currency for this tender shall be INR. Evaluation will be done (all six projects combined) on overall L1 (Total Package Price including Freight excluding taxes) basis with necessary loading as applicable.

In the course of evaluation, if more than one Supplier happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 Suppliers.

In case more than one Supplier happens to occupy the L-1 status even after soliciting discounts, the L-1 Supplier shall be decided by a toss/ draw of lots, in the presence of the respective L-1 Supplier (s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final & binding.

24. Payment Terms-Consignee-wise:

As per clause No. 9.2 of General Commercial Terms and Conditions of GCC Rev. 07 i.e.

Payment of basic price of materials supplied, as per PO/ approved billing schedule, along with freight, taxes and duties (as applicable), shall be paid against receipt of material (receipted LR) at site on prorata basis. 15% of basic price of materials supplied will be retained as security deposit which will be released on pro – rata basis as below

i. 10% will be released on pro-rata basis after submission of Material Receipt Certificate (MRC) from project site engineer of Owner/ Purchaser.

ii. 5% shall be released after i) submission of certificate of submission of all the final documents for the package (as per Annexure IX(A)), duly certified by Engineering Department of Purchaser and ii) successful completion of Performance Guarantee (PG)/ Demonstration Test and handing over of the system/ package to Customer/BHEL, if applicable, as per Order/ Contract.

Note: If the Performance Guarantee (PG)/ Demonstration Test and handing over of the system/ package, if applicable, as per Order/ Contract is not conducted up to 36 months from supply completion



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for reasons not attributable to the vendor, then last 5% security deposit will be released on submission of certificate of all final documents for the package (as per Annexure IX(A)), duly certified by Engineering Department of Purchaser. However, PBG for contract shall be released only after completion of contractual obligations.

Note:

Payment will be released within days as mentioned below after submission of complete documents:

- 90 days for non MSME as per MSMED Act
- 45 days for vendors qualified and registered as Micro and Small Enterprises MSEs as per MSMED Act
- 60 days for vendors qualified as Medium Enterprises as per MSMED Act.

25. Clause no 9.6 (excluding Notes) of GCTC of GCC Rev. 07 shall be read as-

"Suppliers shall submit billing documents for payment directly to BHEL. Payment will be released within days as mentioned below after submission of complete documents as per clause no 9.7.2 - 9.7.5:

- 90 days for non-MSME as per MSMED Act.
- 45 days for Suppliers qualified and registered as Micro and Small Enterprises MSEs as per MSMED Act.
- 60 days for Suppliers qualified as Medium Enterprises as per MSMED Act.

26. GST shall be payable extra at actual as per the HSN code finalized for the items during detailed BBU.

27. Reverse Auction:

BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender as per latest reverse auction guidelines AA:SSP:RA:00 dated 05.12.2024. RA shall be conducted among the techno-commercially qualified bidders. Price bids of all techno commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

Vendors to note that above RA clause will supersede Cl. No. 13 of "Instruction to Bidders" of GCC, Rev. 07 & its Corrigenda 01.

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 as applicable, including loading (if any). De-loading (if any) shall be done in line with NIT terms.

Link for RA guidelines to be followed as:

<https://www.bhel.com/guidelines-reverse-auction-2024>

28. BID SECURITY/ Earnest Money Deposit (EMD)

BID SECURITY/ Earnest Money Deposit (EMD) is applicable for Misc Pump (Horizontal).

Details of EMD amount, mode of submission, etc. shall be as follows-

EMD amount for Misc Pump (Horizontal) shall be Rs. 6 Lakh.

EMD is to be submitted by the all bidders along with their bids (except Micro and Small Enterprises (MSEs) or Startups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT)).

Modes of deposit: -

The EMD may be accepted only in the following forms:

- Electronic Fund Transfer credited in BHEL account (before tender opening)

BHEL-PEM account details are as follows:

	<p>Bank name, State Bank of India Account No: 39922687394 IFSC: SBIN0017313 BRANCH-CAG II NEW DELHI</p> <p>ii) Banker's cheque/ Pay order/ Demand draft, in favour of BHEL-PEM, Noida (along with the offer). iii) Fixed Deposit Receipt (FDR) iv) Bank Guarantee from any of the Scheduled Banks. v) Insurance Surety Bonds.</p> <p>The EMD shall remain valid for a period of 45 (forty-five) days beyond the final bid validity period.</p> <ul style="list-style-type: none"> Due to 'e-procurement NIC' system' constraint offline mode of EMD submission has been selected. However, bidders can submit EMD through any of the above mode. <p>Forfeiture of EMD</p> <p>I. A bidder's EMD will be forfeited if the bidder withdraws or amends its/his tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required performance security within the specified period mentioned in the Tender.</p> <p>II. EMD by the tenderer to be withheld in case any action on the bidder is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors (abridged version of guidelines is available on www.bhel.com)" and forfeited/ released based on the action as determined under these guidelines.</p> <p>III. Bid securities of the unsuccessful bidders shall be returned to them after expiry of the final bid validity period and latest by the 30th day after the award of the contract. However, Bid securities of unsuccessful bidders during first stage i.e. technical-commercial evaluation etc. shall be returned within 30 days of declaration of result of first stage i.e. technical-commercial evaluation.</p> <p>IV. Bid security shall be refunded to the successful bidder on conclusion of the order/ receipt of a performance security.</p> <p>V. EMD shall not carry any interest</p>								
<p>29. Performance Security (PS)- - Consignee-wise</p>	<table border="1"> <tr> <td data-bbox="421 1361 970 1525"> <p>PS Applicability</p> </td><td data-bbox="970 1361 1532 1525"> <p>Performance Bank Guarantee is applicable: Bidder has to submit PBG project wise.</p> <p>Bidder may opt any of the following for submission of Performance Security:</p> </td></tr> <tr> <td data-bbox="421 1525 970 1856"> <p align="center">I</p> </td><td data-bbox="970 1525 1532 1856"> <p>Initially 10% of the contract value (Total Order value excluding PVC). 5% of the contract value (excluding PVC) will be released after completion of Main Supply based on certification by PG. However, balance 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations based on certification by PG.</p> </td></tr> <tr> <td data-bbox="421 1856 970 1917"></td><td data-bbox="970 1856 1532 1917"> <p align="center">OR</p> </td></tr> <tr> <td data-bbox="421 1917 970 2080"> <p align="center">II</p> </td><td data-bbox="970 1917 1532 2080"> <p>5% of the contract value (total Order value excluding PVC). Additional 5% of the contract value (excluding PVC) will be deducted & retained from first bill & subsequent bill(s) of the same contract (in</p> </td></tr> </table>	<p>PS Applicability</p>	<p>Performance Bank Guarantee is applicable: Bidder has to submit PBG project wise.</p> <p>Bidder may opt any of the following for submission of Performance Security:</p>	<p align="center">I</p>	<p>Initially 10% of the contract value (Total Order value excluding PVC). 5% of the contract value (excluding PVC) will be released after completion of Main Supply based on certification by PG. However, balance 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations based on certification by PG.</p>		<p align="center">OR</p>	<p align="center">II</p>	<p>5% of the contract value (total Order value excluding PVC). Additional 5% of the contract value (excluding PVC) will be deducted & retained from first bill & subsequent bill(s) of the same contract (in</p>
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<p align="center">II</p>	<p>5% of the contract value (total Order value excluding PVC). Additional 5% of the contract value (excluding PVC) will be deducted & retained from first bill & subsequent bill(s) of the same contract (in</p>								

		case the value of first bill is less than 5% of the contract value). The retention amount will be released after completion of Main Supply based on certification by PG. However, balance 5% of the contract value (excluding PVC) will be released on completion of all contractual obligations, including guarantee/warranty obligations based on certification by PG.
	Validity of PS	Initial PBG validity (incl. claim expiry period): 2X800 MW USTPP, APL RAIPUR (PH-II): 31 Month 2X800 MW USTPP, APL RAIGARH (PH-II): 35 Month 2X800 MW USTPP, MIRZAPUR (PH-I): 38 Month 2X800 MW USTPP, APL MAHAN (PH-III): 41 Month 2X800 MW USTPP, APL KORBA (PH-II): 44 Month 2X800 MW USTPP, KAWAI PH-II: 47 Month
	PS Submission	PS should be in favour of BHEL-PEM. Supplier may opt any of the following for submission of Performance Security: -
	Modes of Deposit	Performance security may be furnished in the following forms: a) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL. b) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL. c) Fixed Deposit Receipt issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL). d) Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL). e) Insurance Surety Bond. (Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)



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		<p>Performance Security is to be furnished within 14 days from the date of PO and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all Contractual obligations of the Supplier, including warranty obligations.</p>
	Remarks for PS:	<p>a) The performance security will be forfeited and credited to BHEL's account in the event of a breach of Contract by the supplier.</p> <p>b) Performance security should be refunded to the Contractor without interest, after he duly performs and completes the Contract in all respects but not later than 60 (sixty) days of completion of all such obligations including the warranty under the Contract.</p> <p>c) However, Performance Security validity is to be extended based on the actual delivery of package.</p> <p>The Performance Security shall not carry any interest.</p> <p>Note - In case of BG from private banks, a clause shall be incorporated in the text of bank guarantee that it can be enforced by being presented at any branch of the bank located in the Delhi-NCR.</p>
<p>30. Breach of Contract, Remedies and Termination (Tenderer to note that this clause will supersede any clause regarding recovery amount from Tenderer due to Breach on Contract mentioned anywhere in GCC Rev. 07 and its Corrigendum)</p>	<p>In case of Breach of Contract, BHEL shall recover 10% of the Contract value from the Supplier using following instruments:</p> <ul style="list-style-type: none">(i) Encashment of security instruments like EMD, Performance Security with executing agency (PEM) against the said Contract.(ii) Balance amount (if value of security instruments is less than 10% of the Contract value) from other Financial remedies i.e. available bills of the Supplier, retention amount etc. with executing agency (PEM).(iii) Balance amount from security instruments like EMD, Performance Security and other Financial remedies i.e. available bills of the Supplier, retention amount etc. with other units of BHEL.(iv) If recovery is not possible then legal remedies shall be pursued. <p>However, Supplier shall continue performance of the Order/ Contract, under all circumstances, to the extent not cancelled.</p>	
<p>31. Only Class-1 Local suppliers are eligible to bid for subject tender. Minimum Local Content required for qualifying a bidder as "Class I Local Supplier is 60%".</p> <p>a) Only Class I local suppliers are eligible to bid (in line with clause no. 3 (a) of MII circular no P-45021/2/2017-PP (BE-II) Dtd-16-09-2020, as there is sufficient Local Capacity & Local Competition. In case of subsequent orders issued by 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".</p> <p>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 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.</p>		



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b) This item/package /system falls under the list of items defined in para 3 of ministry of finance guideline dtd. 20.09.16 (Procurement of items related to Public safety, Health, Critical Security operations & Equipment's etc.) & hence criteria of prior experience/Turnover shall be same for all the bidders including start-up/MSME.

- c) Bidders to comply the following orders & circulars (considering respective subsequent orders/circulars also): -
- ensure compliance to Ministry of Power (MoP) Order No. 25-11/6/2018-PG dt. 02/07/2020 & Order No. 11/05/2018-Coord. dt. 23/07/2020, if applicable.
 - ensure compliance of Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020.
 - to submit "Model Certificate for Tenders" as per Annexure-III of Ministry of Finance (MoF) Order (Public Procurement No. 4) F. No. 6/18/2019/PPD dt. 23.02.23. An undertaking regarding Model Clauses (as applicable from Annexure-III) shall be furnished by bidders along with bid documents.

Note: Subsequent orders/circulars to be checked and to be complied.

32. Purchase preference to MSE Supplier: Yes.

Package is non-divisible in Nature.

Purchase preference to MSE Supplier: Yes.

Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders / Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid.

- a) If L1 bidder is Non-MSE bidder, MSE preference shall be exercised. L1 price (Ex-works + Freight) of Non-MSE bidder shall be counter offered to all MSE bidders (within the price band of L1 +15%), as per CST (comparative statement) ranking post Reverse Auction (RA) one by one. Four (04) projects namely **2X800 MW USTPP APL RAIPUR (PH-II), 2X800 MW USTPP APL RAIGARH (PH-II), 2X800 MW USTPP APL MAHAN (PH-III) and 2X800 MW USTPP APL KORBA (PH-II)** Projects shall be awarded to L1 Non- MSE Bidder and Two projects (02) namely **2X800 MW USTPP MIRZAPUR (PH-I) and 2X800 MW USTPP KAWAI PH-II Projects** shall be awarded to such qualified MSE bidder (Subject to the acceptance of counter offered L1 price).

If none of the MSE bidder accepts the counter-offered L1 price, then all Six (06) projects shall be awarded to L1 bidder (NON-MSE) for 100% quantity.

Benefits of MSE will be allowed only if seller is validated on-line and approved by Buyer after evaluation of documents submitted.

- b) If L-1 bidder is MSE seller (s) then contract will be awarded for 100% of total quantity i.e. All six (6) projects i.e. **2X800 MW USTPP MIRZAPUR (PH-I), 2X800 MW USTPP KAWAI PH-II Projects, 2X800 MW USTPP APL RAIPUR (PH-II), 2X800 MW USTPP APL RAIGARH (PH-II), 2X800 MW USTPP APL MAHAN (PH-III) and 2X800 MW USTPP APL KORBA (PH-II)** to L1 MSE bidder.

The buyers are advised to refer the OM No. F.1/4/2021-PPD dt. 18.05.2023 for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 & subsequent orders/notifications issue by Gol.

33. Quantity variation is "NIL". All bidders to quote accordingly.

34. In case of joint bidding, Bidders shall be required to furnish scope matrix which should be clearly defined between them along with the offer for the complete scope as per NIT.



BHARAT HEAVY ELECTRICALS LIMITED भारत हैवी इलेक्ट्रिकल्स लिमिटेड
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PROJECT ENGINEERING MANAGEMENT परियोजना अभियांत्रिकी प्रबंधन

35. Suppliers shall Quote for the entire Scope. Partial scope is not acceptable.

36. 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.

Sl. No.	Project Name	Customer Name, Contact Address, Phone No. & Email ID	Contract/ Order No.	Value of Contract/ Order	Brief Work of	Completion Date

37. 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 tender enquires through e-procurement.

38 All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL website only ([https:// https://eprocurebhel.co.in](https://eprocurebhel.co.in)) under subject tender reference. Bidders are requested to visit our website 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 (NIC) Portal is available at website i.e. <https://eprocurebhel.co.in>.

39. If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e- Procurement (NIC portal), 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.

40. For items stated as not applicable by bidder in their bid, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.

41. As per Department of Expenditure (DoE) OM No. 6/9/2020-PPD dt. 24/08/2020, it is mandatory for all the bidders to provide their GeM Seller ID.

42. MSME / Start-up Vendors to submit applicable documents along with their offer for availing the benefits as per GOI guidelines. Further PEM is already registered with RXIL (TReDS) Platform. You are requested to get registered with RXIL (TReDS) Platform to avail the facility as per GOI guidelines.

43. Supplier to quote non-zero Freight charges in percentage (%) of their quoted Total Ex-Works prices of supply.

44. The Evaluation Currency for this tender will be INR.

45. The Bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://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.

46. The offers of the bidders who are on the banned list (list of banned firms available on <http://www.bhel.com>) and also the offers of the bidders, who engage the services of the banned firms, shall be rejected.

47. Bidders to declare that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies / guidelines.

48. A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall

be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:

- a) they have controlling partner (s) in common; or
- b) they receive or have received any direct or indirect subsidy / financial stake from any of them; or
- c) they have the same legal representative / agent for purposes of this bid; or
- d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or

e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components / sub-assembly / Assemblies from one bidding manufacturer in more than one bid, or

f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent / dealer. There can be only one bid from the following:

- 1. The principal manufacturer directly or through one Indian agent on his behalf; and
- 2. Indian/foreign agent on behalf of only one principal;

or
g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid, or

h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership / management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister / common business / management units in same / similar line of business.

49. All the above terms and conditions, post-bid agreements/MoMs (during Techno- Commercial evaluation) shall automatically become a part of the Order/Contract after its finalisation.

50. Suppliers to note that offers shall be submitted strictly in accordance with the requirements of tender documents. Suppliers shall upload their complete offer meeting the requirements of the tender documents on e-procurement portal <https://eprocurebhel.co.in/nicgep/app>.

Following documents need to be uploaded:

- i. Acceptance of GCC, Rev. 07 & its Corrigenda.
- ii. Along with your offer, please submit a copy of this letter duly signed & stamped on each page as token of acceptance of all terms & instructions conveyed
- iii. Un-Priced price format duly filled in 'Quoted' or 'Q' in each column/row.
- iv. Technical & Commercial Deviations, if any along with Cost of withdrawal in Annexure-II of GCC Rev 07.
- v. Technical PQR documents.
- vi. Local Content Certification in line with Make in India circular
- vii. Land Border Certification.
- viii. Main Supplier's Evaluation Report
- ix. Sub Vendor Questionnaire
- x. Integrity Pact
- xi. Price Bid on e-procurement portal - <https://eprocurebhel.co.in/nicgep/app>

51. It shall be the responsibility of the Supplier to ensure that the tender complete in all respects is uploaded on or before the due date and time. Incomplete/late offers shall not be considered.

All other correspondence thereof shall be addressed to the undersigned by name & designation and sent at the following address:



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PROJECT ENGINEERING MANAGEMENT परियोजना अभियांत्रिकी प्रबंधन

RAEESUL AZAM/Engineer, PG-II
E-MAIL: raeesulazam@bhel.in
Mob: +91-9990663720

M/s. Bharat Heavy Electricals Ltd.,
Project Engineering Management,
BHEL SADAN, Plot No 25, Sector-16A, Noida-201301,
U.P, INDIA

RAJEEV KUMAR/MGR, PG-II
E-MAIL: rajeevsharma@bhel.in
Mob: +91- 9654360233

M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
BHEL SADAN, Plot No 25, Sector-16A, Noida-201301,
U.P, INDIA

52. For the bidders (who are not registered with BHEL-PEM), Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at www.bhelpem.com → vendor section → Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration

53. All terms and conditions shall be as per NIT and GCC - Rev. 07 & its Corrigenda. In the event of any contradiction, the terms and conditions mentioned, the order of preference shall be as mentioned in Cl. No. 36 of GCTC of GCC - Rev. 07

Thanking You.
For and on behalf of BHEL

RAEESUL AZAM
(ENGINEER, PG-II/BHEL-PEM)

PRICE ADJUSTEMENT-PVC payment terms and conditions

The price adjustment provisions shall be applicable separately for price components relating to Supply of Equipment/Mandatory spare (as applicable), as per price break-up furnished by the Contractor in price schedule.

Price adjustment amounts towards aforesaid components of Contract Price shall be paid in the respective currencies of Contract (INR).

PVC payment shall be linked with Delivery period defined as per NIT terms & conditions. PVC shall be applicable only, during the extended period of contract (if any) after contractual completion period and for the portion of work delayed / backlog for the reasons not attributable to the Contractor.

The total amount of PVC payable shall not exceed 10 % of the BASIC contract value for respective order. Negative price variation (without any limit) shall be passed on to BHEL.

PRICE ADJUSTMENT FORMULA FOR SUPPLY AND MANDATORY SPARES –

The amount of price adjustment towards variable portion payable/recoverable on each shipment/despatch shall be computed as under:

EC = EC1 - EC0, EC1 will be computed as follows:

$$EC1 = EC0 \{ F + a \times A_1 / A_0 + L_b \times L_1 / L_0 \}$$

Where

EC = Adjustment to Ex-Works supply and mandatory spare Price Component expressed in the currency of The Contract (INR) payable to the contractor for each shipment/despatch.

EC1 = Adjusted Amount of Ex-Works supply and mandatory spare Price Component expressed in the currency of the Contract (INR) payable to the Contractor for each shipment/despatch.

EC0 = Ex-Works supply and mandatory spares Price expressed in the currency of the Contract (INR), shipment/despatch wise.

- "F" shall be fixed portion of the Ex-Works Component of the Contract and shall be considered as 0.15.

- "a" shall be co-efficient of major materials/items involved in the Ex-Works Component of the Contract Price and shall be considered as 0.6.

- 'A', shall be published price indices of corresponding major materials/items. For this purpose, indices available for Mild Steel - Semi Finished Steel, based on RBI bulletin Whole Price Index (https://www.rbi.org.in/scripts/BS_ViewBulletin.aspx?Id=23021).

- 'L' shall be per Other consumer price index number for industrial workers (All India Monthly Average) as published (https://rbi.org.in/Scripts/BS_ViewBulletin.aspx?Id=23091)

- 'Lb' shall be co-efficient for labour component in the Ex-Works Component of the Contract Price which shall be considered as 0.25.

Price Indices to be considered:

Material	Index	Base Year
Mild Steel – Semi Finished Steel,	Table No. 21, Sl. no. 1.3.14.3 (RBI)	2011-12
Industrial labour	Table No. 19, Sl. no.1 (RBI)	2016

For the indices, subscript '0' refers to indices of the month immediate after expiry of contractual delivery period.

Subscript '1' refers to indices as on month before actual¹ delivery date/month of Shipment / despatch.

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, APL RAIPUR (PH-II)						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL RAIPUR (PH-II)					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 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 as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL)						
2X800 MW USTPP, APL RAIPUR (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL							
2X800 MW USTPP, APL RAIGARH (PH-II)							
	DESCRIPTION OF WORKS OR EQUIPMENT(S)			UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL RAIGARH (PH-II)						
1.0	Pumps and Motors (Horizontal Pumps):						
	(i)	DMCW PUMPS					
			Pump price:	Nos.	6		
			Motor price:	Nos.		HT MOTOR-by BHEL	
			Suction Strainer price:	Nos.	6		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS					
			Pump price:	Nos.	2		
			Motor price:	Nos.	2		
			Suction Strainer price:	Nos.	2		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS					
			Pump price:	Nos.	4		
			Motor price:	Nos.	4		
			Suction Strainer price:	Nos.	4		
			Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:						
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification						
2.1.1	Site Visit Charges			Nos. of Visits	8		
2.1.2	Manday Charges at Site			Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification			Lot	1		
	TOTAL (1.0+ 2.0)						
NOTES:							
a)	Service charges at SI.no 2.1.1. shall include to/fro travel expenses, medical and insurance.						
b)	Service Charges at SI.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at SI.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).						
c)	Payment for SI. No. 2.1 shall be done based on actual consumed site visits and mandays.						
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.						
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.						
f)	Please refer technical specification for detail.						
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 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 as specified in the Technical specification/NIT.						
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.							

SCHEDULE OF PRICES -ANNEXURE-A						
MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL)						
2X800 MW USTPP, APL RAIGARH (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		21213.2
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		84852.8
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, MIRZAPUR (PH-I)						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, MIRZAPUR (PH-I)					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 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 as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A						
MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL)						
2X800 MW USTPP, MIRZAPUR (PH-I)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL							
2X800 MW USTPP, APL MAHAN (PH-III)							
	DESCRIPTION OF WORKS OR EQUIPMENT(S)			UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL MAHAN (PH-III)						
1.0	Pumps and Motors (Horizontal Pumps):						
	(i)	DMCW PUMPS					
			Pump price:	Nos.	6		
			Motor price:	Nos.		HT MOTOR-by BHEL	
			Suction Strainer price:	Nos.	6		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS					
			Pump price:	Nos.	2		
			Motor price:	Nos.	2		
			Suction Strainer price:	Nos.	2		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS					
			Pump price:	Nos.	4		
			Motor price:	Nos.	4		
			Suction Strainer price:	Nos.	4		
			Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:						
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification						
2.1.1	Site Visit Charges			Nos. of Visits	8		
2.1.2	Manday Charges at Site			Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification			Lot	1		
	TOTAL (1.0+ 2.0)						
NOTES:							
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.						
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).						
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.						
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.						
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.						
f)	Please refer technical specification for detail.						
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 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 as specified in the Technical specification/NIT.						
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.							

SCHEDULE OF PRICES -ANNEXURE-A MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL) 2X800 MW USTPP, APL MAHAN (PH-III)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL						
2X800 MW USTPP, APL KORBA (PH-II)						
	DESCRIPTION OF WORKS OR EQUIPMENT(S)		UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL KORBA (PH-II)					
1.0	Pumps and Motors (Horizontal Pumps):					
	(i)	DMCW PUMPS				
		Pump price:	Nos.	6		
		Motor price:	Nos.		HT MOTOR-by BHEL	
		Suction Strainer price:	Nos.	6		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS				
		Pump price:	Nos.	2		
		Motor price:	Nos.	2		
		Suction Strainer price:	Nos.	2		
		Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS				
		Pump price:	Nos.	4		
		Motor price:	Nos.	4		
		Suction Strainer price:	Nos.	4		
		Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:					
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification					
2.1.1	Site Visit Charges		Nos. of Visits	8		
2.1.2	Manday Charges at Site		Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification		Lot	1		
	TOTAL (1.0+ 2.0)					
NOTES:						
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.					
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).					
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.					
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.					
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.					
f)	Please refer technical specification for detail.					
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 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 as specified in the Technical specification/NIT.					
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.						

SCHEDULE OF PRICES -ANNEXURE-A						
MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL)						
2X800 MW USTPP, APL KORBA (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

SCHEDULE OF PRICES - MISC PUMPS HORIZONTAL							
2X800 MW USTPP, KAWAI PH-II							
	DESCRIPTION OF WORKS OR EQUIPMENT(S)			UOM	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
	Total Price for design, manufacture, assembly, inspection and testing at manufacturer's and/or his sub-contractors works, painting, proper packing to avoid damage of items during transportation & storage at site of Miscellaneous Pumps (along with Motors & mandatory spares as applicable), transportation to site, complete with all other accessories as per the requirements specified in the specification, site services including installation checks of pump motor set & supervision of replacement of gland packing with Mechanical Seal arrangement (as applicable) at site, PG Test at site and any other services, etc. as per specification PE-TS-513/515/516/522/523/524-100-W001, REV-00 for Misc. Pumps Horizontal of 2X800 MW USTPP, APL KAWAI-II						
1.0	Pumps and Motors (Horizontal Pumps):						
	(i)	DMCW PUMPS					
			Pump price:	Nos.	6		
			Motor price:	Nos.		HT MOTOR-by BHEL	
			Suction Strainer price:	Nos.	6		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(ii)	BOILER FILL PUMPS					
			Pump price:	Nos.	2		
			Motor price:	Nos.	2		
			Suction Strainer price:	Nos.	2		
			Mandatory Spares (as per Annexure -A)	Lot	1		
	(iii)	HOTWELL MAKEUP PUMPS					
			Pump price:	Nos.	4		
			Motor price:	Nos.	4		
			Suction Strainer price:	Nos.	4		
			Mandatory Spares (as per Annexure -A)	Lot	1		
2.0	SITE SERVICES:						
2.1	Installation Check & Supervision for replacement of Gland packing with Mechanical Seal at Site as per Specification						
2.1.1	Site Visit Charges			Nos. of Visits	8		
2.1.2	Manday Charges at Site			Nos. of Mandays	36		
2.2	Lumpsum cost for PG Test of pumps at site as per Specification			Lot	1		
	TOTAL (1.0+ 2.0)						
NOTES:							
a)	Service charges at Sl.no 2.1.1. shall include to/fro travel expenses, medical and insurance.						
b)	Service Charges at Sl.no 2.1.2. shall include boarding/lodging, local conveyance or any other applicable charge for completion of site services. No. of mandays at site defined at Sl.no. 2.1.2 above shall be calculated on the basis of presence at site (travelling time/days is excluded).						
c)	Payment for Sl. No. 2.1 shall be done based on actual consumed site visits and mandays.						
d)	Price of Commissioning & Erection spares, special Tools & tackle and other accessories applicable as per Specification but not listed above shall be included in the price of pump/motor & shall be supplied with the pump/motor.						
e)	For items stated as not applicable by bidder, shall have to be supplied without any cost implication to BHEL in the event they are found to be applicable during detail engineering stage.						
f)	Please refer technical specification for detail.						
g)	Mandatory Spare Note: 1. One(1) set consists of quantity required for complete replacement for one(1) Pump of each type/size. Also the 'set' would include all components/hardware required to replace the item. 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 as specified in the Technical specification/NIT.						
Bidder shall furnish this price Schedule indicating "Quoted" against each item along with his technical offer and actual prices in his price offer.							

SCHEDULE OF PRICES -ANNEXURE-A						
MANDATORY SPARES OF MISC. PUMPS (HORIZONTAL)						
2X800 MW USTPP, APL KAWAI (PH-II)						
S. NO.	ITEM DESCRIPTION		MANDATORY SPARE LIST	QUANTITY	UNIT EX-WORKS PRICE INCLUDING PACKING (INR)	TOTAL EX-WORKS PRICE INCLUDING PACKING (INR)
1.0	MANDATORY SPARES PRICES-MISC PUMPS (HORIZONTAL)					
1.1	DMCW PUMPS	1.1.1	Shaft	1 No.		
		1.1.2	Shaft sleeves	1 Nos.		
		1.1.3	Impeller	1 Nos.		
		1.1.4	Impeller locking nuts and bolts	3 Nos.		
		1.1.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.1.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.1.7	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.1.8	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.1.9	Oil level gauge	2 Nos.		
		1.1.10	Mechanical seal assembly	2Nos		
		1.1.11	Couplings complete including rubber bushes	1 No. each		
		1.1.12	O" rings "	2 sets		
1.2	BOILER FILL PUMPS	1.2.1	Shaft	1 No.		
		1.2.2	Shaft sleeves	1 Nos.		
		1.2.3	Impeller	1 Nos.		
		1.2.4	Impeller locking nuts and bolts	3 Nos.		
		1.2.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.2.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.2.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.2.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.2.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.2.10	Oil level gauge	2 Nos.		
		1.2.11	Mechanical seal assembly	2Nos		
		1.2.12	Couplings complete including rubber bushes	1 No. each		
		1.2.13	O" rings "	2 sets		
		1.2.14	Motor of each type and rating	1no		
1.3	HOTWELL MAKEUP PUMPS	1.3.1	Shaft	1 No.		
		1.3.2	Shaft sleeves	1 Nos.		
		1.3.3	Impeller	1 Nos.		
		1.3.4	Impeller locking nuts and bolts	3 Nos.		
		1.3.5	Impeller wearing rings; and casing wearing rings	3 Nos. each		
		1.3.6	Bearings at impeller end; coupling end	1 Nos. each		
		1.3.7	Driving and non- driving end bearing of each type of motor	1 set		
		1.3.8	Oil seals; oil deflectors; oil rings; and lantern rings	3 Nos. each		
		1.3.9	Stationary/carbon packing and O" ring for mechanical seal "	3 sets		
		1.3.10	Oil level gauge	2 Nos.		
		1.3.11	Mechanical seal assembly	2Nos		
		1.3.12	Couplings complete including rubber bushes	1 No. each		
		1.3.13	O" rings "	2 sets		
		1.3.14	Motor of each type and rating	1no		

Letter head of Company (<Rs. 10 Cr value)

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).....for.....(Project Name/Rate contract)..... meets the requirement of minimum local content in line with Cl. No..... of NIT No..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018, 29.05.2019 , 04.06.2020 &16.09.2020.

Local Content-%

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

Yours very truly

.....(authorized signatory of company)

.....(firm name)

Letter head of CA/ Statutory auditor / Cost auditor (>Rs. 10 Cr value)

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 of(package name).....for.....(Project Name/Rate Contract).....offered by M/s(bidder's name)..... having its registered works at has local content of%.

Further, M/s(bidder's name)..... meets the requirement of minimum local content in line with clause no..... of NIT no..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018 & 29.05.2019.

Thanking You.

For (CA/Cost Firm Name with FRN & Seal)

Chartered/Cost Accountants

(name of Member)

(Membership no.)

(UDIN no.)

ENQUIRY NUMBER:
PACKAGE: MISC. PUMPS-HORIZONTAL
PROJECT:

Letter head of Company

Ref.....
Date.....


MODEL CERTIFICATE

Reference: Tender Enquiry Ref-
Name of Package: MISC. PUMPS-HORIZONTAL

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or if from such country, has been registered with competent authority.

Yours very truly
.....(authorized signatory of company)
.....(firm name)
Company's Seal/stamp

****Strike off non-applicable text**

	<p align="center">PROJECT ENGINEERING MANAGEMENT</p>	<p align="center">GENERAL CONDITIONS OF CONTRACT (GCC)</p> <p align="center">Revision no. 07</p>	<p align="center">ANNEXURES</p>
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ANNEXURE– VIII (Rev 01)

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

And

_____ (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for _____ (hereinafter referred to as "Contract"). The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).


In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
 - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.
 - 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

	<p align="center">PROJECT ENGINEERING MANAGEMENT</p>	<p align="center">GENERAL CONDITIONS OF CONTRACT (GCC)</p> <p align="center">Revision no. 07</p>	<p align="center">ANNEXURES</p>
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- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process, terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages


- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above, the Bidder(s)/ Contractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.

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- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact.
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.
- 8.5 The advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs. Issues like warranty/ guarantee etc. shall be outside the purview of IEMs.

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8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.

8.13 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.

10.2 Changes and supplements as well as termination notices need to be made in writing.

10.3 If the Bidder(s)/ Contractor (s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.

10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.

10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.

For & On behalf of the Principal
(Office Seal)

Place **RAJEEV KUMAR**

Date _____

Witness: **PRAG JAIN**
(Name & Address) _____

For & On behalf of the Bidder/ Contractor
(Office Seal)

Witness: _____
(Name & Address) _____