

NIT NO: FF:21:MFG:RM:MEEE:03:033 Dated:- 08.09.2021

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.



BHARAT HEAVY ELECTRICALS LIMITED
Central Foundry Forge Plant, HARIDWAR
Phone: 01334-281347, 285469

NOTICE INVITING TENDER (NIT)
(Open Tender)

We, Bharat Heavy Electricals Limited, a Govt. of India Undertaking under the administrative control of Ministry of Heavy Industries, invites offer from the contractors through **open tender** in CFFP, BHEL Haridwar, in **two part** bid in sealed envelope from reputed & experienced bidders for the subject job as per the tender document. Following points relevant to the tender may please be noted and complied with

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NIT No	FF:21:MFG:RM:MEEE:03:033
Date of Issue of NIT	08.09.2021
Type of bid	<i>Two Part Bid.</i> (Techno-commercial & Price Bid)
Period of Work	12 Months
Tender Document Cost	NIL
NIT Value (Rs.)	57.75 Lakh
GST	GST extra as applicable.
Amount of Earnest Money Required (Rs.)	1,15,515.00
Security deposit (SD)	5% of the contract value.
Last date and time of Receipt of Tender	30.09.2021, 01:55 PM
Date & Time for opening of Technical Bid	30.09.2021 , 02:00 PM
Splitting of Work	NO
Reverse Auction (RA)	Yes, as per RA guidelines available on www.bhel.com.
Place of opening of Tender	<i>Tender Room, Back Side of Main Administrative Building, CFFP, BHEL, Haridwar-249403 (Uttarakhand)</i>
Contact Detail	Shri- NIRAJ KUMAR GAUTAM, Sr. MANAGER-(WCX, WW & PMG) Contact Address: WCX, PMG OFFICE, CFFP, BHEL Haridwar Email: nirajkumar.gautam@bhel.in , singhr@bhel.in Phone: 01334-28-1347, 01334-28-5469 Fax: 01334-28-1862

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Note:

1. Full set of Tender document may be downloaded from websites (<https://hwr.bhel.com>), <https://www.bhel.com>, & <https://eprocure.gov.in>.)
2. **Tender may be cancelled at any stage without assigning any reason thereto.**
3. For electronic fund transfer to BHEL, Bank account is-

BHEL CFFP
SBI A/C No.: 10667995469
IFSC Code: SBIN0000586
Sector 5, BHEL Ranipur Haridwar

4. **Envelope wise details:**
 - i **Envelope -1#** (Technical Bid) shall contain ANNEXURE- I, II, III, IV and V (duly filled, signed and stamped on each page) along with supporting documents and EMD.
 - ii **Envelope-2** (Price Bid) shall contain duly filled, signed and stamped Price Bid format only (Annexure-VI). The word **“Price Bid”** must be clearly mentioned on the envelope containing price bid.
 - iii **Envelope-3** shall contain Envelope-1 & Envelope-2.

Following shall be subscribed on the Envelopes

- (a) TENDER DOCUMENT NO.: **FF:21:MFG:RM:MEEE:03:033**, and Tender opening Dated:- **30.09.2021**.
- (b) **“NAME OF THE COMPANY WITH FULL ADDRESS”**
CFFP, BHEL will not be responsible and will not accept late tender for any delays on account of postal delays, loss of documents, etc.

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GENERAL TERMS & CONDITIONS OF CONTRACT

01. DEFINITIONS:

In these general conditions of contract, the following terms shall have the meaning hereby assigned to them except where the context otherwise requires: -

- (a) The "CONTRACT" means the documents forming the tender and acceptance thereof and the formal agreement if any, executed between the Bharat Heavy Electricals Ltd., Central Foundry & Forge Plant, Haridwar and the contractor together with all the documents referred to therein including General and Specific terms & conditions of contract, specifications, designs etc. All the documents as applicable taken together shall be deemed to form one contract and shall be complementary to one another.
- (b) The "TENDER DOCUMENT" means the form of tender as applicable vide and / or General and Specific Conditions of contract, and the specifications and/or drawings as given to contractors for the purpose of preparing their tender including "Notice Inviting Tender".
- (c) The "SITE" or "SHOP" means the land and/ or other place on into or through which the work is to be executed under the contract or any adjacent land, part or structure which may be allotted to or used for the purpose of carrying out the contract.
- (d) The "CONTRACTOR" means the individual firm or company whether incorporated or not, undertaking the work and shall include the legal personal representatives of such individuals or the person(s) composing the firm or company and the permitted assigns of such individuals or firm or company.
- (e) The "EXECUTIVE IN-CHARGE" means any Executive deputed by BHEL to supervise the execution of work or part thereof.
- (f) The "TIME OF COMPLETION" is the date or dates for completion of the work or any part of the work as set out in or ascertained in accordance with the individual work or the tender documents or any subsequent amendments thereto.
- (g) "PPE's" Personal Protective Equipment - Specialized clothing or equipment worn by workmen for protection against health and safety hazards.

02. DOCUMENT SUBMISSION: -

- i) All documents / annexures submitted with the offer shall be properly attached with the respective sections and pages serially numbered e.g. 1/24, 2/24 and so on. BHEL shall not be responsible for any missing documents.
- ii) Offer & documents submitted along with offer shall be signed & stamped in each page by contractor's authorized representative. No overwriting / correction in tender documents by bidders shall be allowed. However, if correction is unavoidable, the same may be signed by authorized signatory.
- iii) The representative of the Bidder may choose to witness the Tender opening and have to produce the Authorization Letter in the tender room, before opening of the Tender. The representatives without Authorization Letter will not be allowed to participate in the Tender opening.

03. AUTHORIZED SIGNATORY: -

The selected bidder shall submit at the time of signing the contract, authorization from Proprietor/Competent authority authorizing an official or officials of the company to discuss, sign agreements/ contracts with BHEL.

04. CHANGE IN CHARACTER OF THE BIDDER: -

In the event, wherein there is any change in the character of the contractor's firm by means of change in structure or the transfer of ownership of the firm, the firm has to inform BHEL well in advance with proper documents that the new entity shall be contractually accountable to BHEL for the contract signed by the original firm. BHEL decision in this regard shall be final and binding on the contractor.

05. OWNERSHIP OF MULTIPLE COMPANIES/ FIRMS: -

To maintain the fairness in bidding, two or more firms with same ownership or agent cannot participate in same tender. In such cases the BHEL has right to cancel/reject the offer/order at any stage.

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06. WORKS TO BE CARRIED OUT:

The contractor shall arrange all labour, materials, tools, plant, equipment & transport which may be required for execution of work as specified in tender enquiry, and in the entire execution of work as per BHEL terms and instructions.

07. DEVIATIONS:

Deviation with respect to tender clauses and additional clauses / suggestions / in Techno-commercial bid / Price bid may not be considered by BHEL. Bidders are requested to positively comply with the same.

08. Validity of offer shall be for a minimum period of 90 days from the date of Tender Opening.

09. TAXES, CESS AND OTHER DUTIES:

All charges on account of taxes, cess terminal or GST and/or other duties on materials obtained for the work (excluding materials provided by BHEL) shall be to the contractor's account.

10. LAWS GOVERNING THE CONTRACT: This contract shall be governed by the Indian Laws.

11. COMPLIANCE TO REGULATION AND BYE LAWS:

The contractor shall conform to the provisions of any statute relating to the work, regulations and bye-laws of any local authorities.

12. ADMISSION TO SITE:

The contractor shall not enter on (other than for inspection purpose) or take possession of the site unless permitted to do so by Executive In-charge. The portions of the site to be occupied by the contractor shall be clearly defined and marked on the site plan, and the contractor will not on any account be allowed to extend his operations beyond these areas.

BHEL reserves the right of taking over, at any time any portion of the site which it requires and the contractor shall at his own expense clear such portion within specified time given by Executive in-charge. The photography of the site of work or any part therein, publishing or otherwise circulation will not be allowed without the prior written permission from the Executive in-charge.

13. CONTRACTORS SUPERVISORS:

The contractor shall either himself supervise the execution of the contract or shall appoint competent authorized representative.

14. LABOUR LAWS TO BE COMPLIED WITH BY THE CONTRACTOR:

- The contractor shall employ labour in sufficient number to maintain the required rate of progress and of quality required to ensure workmanship of the degree required as per the specifications.
- Contractor to ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc. Contractor will be responsible for good conduct of their employees. In case of any misconduct /misbehavior by any employee, the contractor will replace such employee(s) immediately.
- BHEL shall have the privities of the contract with the contractor only and will give instructions to the contractor or his authorized representatives. BHEL will have nothing to do or be concerned with the employment of employees working for the contractor. The relationship between BHEL and the contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or an employer employee relationship.
- The contractor shall obtain a valid labour license under the Contract Labour (R&A) Act 1970, and the Contract Labour (Regulation and Abolition) Central Rules 1971, before the commencement of the work, and continue to have a valid license until the completion of work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act 1986. The relevant statutory provisions of the State Government of Uttaranchal shall also be applicable in Toto.

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- The contractor shall observe provisions of the Factories Act 1948 in respect of working hours, holidays, rest intervals, leaves and overtime etc. Also adhere to the provisions of Employee Provident Fund & Miscellaneous Act 1952, Employee State Insurance Act 1948, Minimum Wages Act 1948, Payment of Bonus Act 1965 and provisions of all other such Acts applicable and issued from time to time.
- Any failure to fulfill this requirement shall attract the penal provisions of the Contract arising out of the resultant non-execution of the work.

15. ACCOMMODATION FOR LABOUR:

The contractors shall arrange accommodation for the work people at his own expenses during the progress of the work. BHEL will not provide any accommodation or place for accommodation to the contractor.

16. MEDICAL EXPENSES:

The contractor shall arrange all the medical expenses of its labour through ESI or at his own.

17. MOBILIZATION PERIOD:

The mobilization period shall be from the date of issue of Work Order or as specified by BHEL.

18. TOOLS AND PLANTS(T&P) AT SITE:

The contractor, shall at his own expense, supply all tools plants and equipment (herein after referred to as T & P) required for the execution of the contract other than those listed in Bill of quantity, which subject to their availability may be given by BHEL on hire basis to the contractor or issued free for use in execution of the work, as specified in the tender documents.

19. SAFETY AND SECURITY:

- a. The contractor shall ensure proper safety of all the workmen, materials, plant and belonging to him or to BHEL or to others, working at or near the site. The contractor shall also be responsible for provision of all safety notices and safety equipment required both by the relevant legislation and the Executive in-charge as he may deem necessary for execution of job.
- b. The contractor shall adopt adequate safety measures and use of protective clothing by all the workmen at site whether engaged or not in actual of work or supervision thereof. The contractor shall ensure that the workmen on site, use appropriate PPE's which is necessary for the health & safety of workmen.
- c. The contractor shall be responsible for safety arrangements of all equipment and PPE's to be used in connection with the execution of the work and shall ensure employment of only trained person to operate the equipment. Only tested equipment, tools, wires, ropes etc. shall be used and shall periodically be tested to the satisfaction of the BHEL. All test certificates shall be made available to the BHEL at site as and when required. The PPE's and equipment provided by contractor shall comply with BHEL specifications/standards which may be taken from safety department of BHEL.
- d. The contractor shall ensure provision and maintenance of lights, guards, fencing with gates and watching when and where necessary or required by the BHEL or by any one duly constituted authority for the protection of the work and / or for the safety and convenience of the public or others.
- e. The contractor shall abide by all security regulations at site by the BHEL from time to time. The contractor shall provide identity badges to their personnel and workmen, which must be properly displayed by them at site.
- f. The contractor and his personnel / workmen shall be subject to security check by BHEL's own security personnel or CISF (if engaged by the BHEL) for the overall protection of the project.
- g. In case any accident occurs during the construction/ erection or other associated activities undertaken by the contractor thereby causing any minor or major or fatal injury to his employees due to reason whatsoever, it shall be the responsibility of the contractor to promptly inform the same to BHEL Executive in-charge in prescribed form. The contractor will be responsible for all pecuniary liability if any under such circumstances. Contractor shall take all statutory and regulatory approvals and comply with all formalities before start of work for safety and security.

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- h. Medical examination of contract employees to be carried out by contractors as per statutory rules and regulations.
- i. Work permit system shall be complied for work at height/excavation/ confined space and other work as per BHEL requirement.
- j. Contractor shall abide specific health and safety requirement as per statutory norms.
- k. The contractor shall ensure/review aspects of appropriate activity hazard analysis and establish safe work procedure.

20. CANCELLATION/SHORT CLOSURE OF CONTRACT:

In case of non fulfilment of conditions by contractor or otherwise, BHEL reserves the right to cancel the contract at any stage by giving 30 days' notice.

BHEL also reserves the right to short close the contract at any stage giving 30 days' notice to the contractor without assigning any reasons thereof.

21. SUSPENSION OF BUSINESS DEALINGS WITH CONTRACTORS: -

In order to protect the commercial interests of BHEL, it becomes necessary to take action against suppliers / contractors by way of suspension of business dealings, who either fail to perform or are in default without any reasonable cause, loss of business / money / reputation, indulged in malpractices, cheating, bribery, fraud or any other misconducts or formation of cartel so as to influence the bidding process or influence the price etc. Guide- lines for Suspension of Business Dealings with Suppliers / Contractors shall prevail over which is available at BHEL website <http://www.bhel.com>

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

22. INSPECTION AND RECORDS:

The contractor shall supervise the work quality through qualified deployed manpower so as to ensure that the Works under this contract are carried out entirely to the quality standards of BHEL.

23. VARIATION OF PRICE: No escalation in cost/price variation will be permitted during the contract period unless the same is specified in the tender.

24. OBLIGATION: -

(A) OBLIGATION OF THE CONTRACTOR

I. CONTRACTUAL

- i.** The Contractor shall ensure that adequate no. of workmen is deployed for execution of the work awarded to him for ensuring uninterrupted working.
- ii.** The authorized representative of The Contractor shall be available at all time to supervise the work allotted to him.
- iii.** The Contractor to ensure that the workmen deployed in the premises of BHEL are physically and mentally fit and The Contractor should ensure that all the workmen who are not regular employee of The Contractor are having Police Verification. Such workmen should possess requisite skill & experience.
- iv.** In case of any misconduct/misbehavior by any workman, The Contractor will replace such workmen immediately.
- v.** It will be responsibility of The Contractor to provide all necessary resources (man and machineries) as may be required, to perform the scope of work. BHEL shall issue necessary plant passes to The Contractor employees and its Contractor's workmen deployed for carrying out the job.
- vi.** The Contractor will be liable for any pilferage/loss to BHEL due to acts of omission and commission by their workmen, if the reasons for such act is attributed to the Contractor
- vii.** The Contractor should ensure proper maintenance and safety of all their equipment along with spares and consumables, material and plants belonging to him or to BHEL. The Contractor shall be responsible for enforcing all safety rules and regulations as per applicable statutory requirements at the work place and as notified from time to time.

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- viii. The Contractor shall ensure that all their workmen wear the required PPE (personnel protective equipment) while working on the jobs. The Contractor shall ensure all safety precautions for prevention of accidents of their workmen.
- ix. The contractor shall ensure payment of minimum wages (as notified) to the contract labour deployed by him.
- x. The contractor shall ensure payment of wages to their labours latest by 7th date of the following month.
- xi. In case of any accident, it will be the sole responsibility of The Contractor to provide necessary medical aid to their injured workman and liaison with the concerned authorities i.e. ESI etc.
- xii. The Contractor will be responsible for up keeping and maintenance of all tools & tackles issued to them. Any loss or damage of the same will be recovered from The Contractor.
- xiii. In the event of termination of contract for any reason whatsoever The Contractor shall withdraw all their workmen from the premise of BHEL within the specified period. In case The Contractor decides to terminate services of their workmen, The Contractor should settle all terminal dues and shall indemnify BHEL against all such claims.

II. TOWARDS STATUTORY LIABILITY

- i. The Contractor shall comply with all statutory requirements, rules regulations, and notifications in relation to employment of their workmen issued from time to time by the concerned authorities.
- ii. The Contractor shall keep BHEL indemnified against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with workmen deployed by him.
- iii. The liability for any compensation on account of injury sustained by any workman of The Contractor will be exclusively that of The Contractor.

(B) OBLIGATION OF M/s BHEL

I. FACILITIES TO BE PROVIDED BY CFFP, BHEL, (free of cost unless otherwise specified):

- i. Space inside CFFP's premises for execution of work.
- ii. Power supply for execution of work as per work requirement.
- iii. In case any facility used by contractor, the same will be charged in running bills.

25. SPLITTING THE WORK: -

Splitting of work shall be done as mentioned in the tender enquiry (NIT). Splitting shall be done only if there are three or more qualified bidders (N), the distribution shall be limited to (N-1) qualified responses. Rates of L-1 bidder, as finalized, shall be counter offered to the other bidders in case of splitting of order. In case any bidder(s) do not accept the L-1 rates, the counter-offer may be extended to other bidders.

26. EARNEST MONEY DEPOSIT

(a) Vendor is required to deposit the EMD as specified in NIT.

(b) EMD shall not carry any interest.

(c) Modes of deposit:

The EMD may be accepted only in the following forms:

- (i) Cash deposit as permissible under the extant Income Tax Act (before tender opening) or any other Act/ Regulation.
- (ii) Electronic Fund Transfer credited in BHEL account (before tender opening)
- (iii) Banker's cheque/ Pay order/ Demand draft, in favor of BHEL (along with offer).

In addition to above, the EMD amount in excess of Rs. Two Lakh may also be accepted in the form of Bank Guarantee from scheduled bank. The Bank Guarantee in such cases shall be valid for at least six months.

(d) Forfeiture of EMD

EMD by the Tenderer will be forfeited as per NIT conditions, if:

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- i) After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL.
- ii) The Contractor fails to deposit the required Security deposit or commence the work within the period as per LOI/ Contract.
- (e) EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeited/ released based on the action as determined under these guidelines.
- (f) EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of award of work.
- (g) EMD of successful tenderer will be retained as part of Security Deposit.
- (h) EMD deposited in any modes other than specified at (c) above shall lead to cancellation of the offer.

27. SECURITY DEPOSIT(SD):

The contractor shall furnish the security deposit immediately on issue of the Letter of intent/ work order and before the commencement of work.

The total amount of Security Deposit will be 5% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit.

Security deposit may be furnished in any one of the following forms:

- i. Cash (as permissible under Income Tax Act) or any other Act/ Regulation.
- ii. Pay order, Demand Draft in favor of BHEL.
- iii. Local cheques of scheduled banks, subject to realization
- iv. Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL
- v. Securities available from Post Offices such as National Saving Certificates, Kisan Vikas Patras, etc. (certificates should be held in the name of Contractor furnishing the security and duly pledged in favor of BHEL and discharged on the bank).
- vi. Fixed Deposit Receipts issued by scheduled Banks/ Public Financial Institution as defined in the Companies Act. The FDR should be in the name of contractor, A/c BHEL, duly discharged on the back.
- vii. Security deposit can also be recovered at the rate of 10% of Security amount from the running bills. However, in such cases at least 50% of the security deposit must be deposited before start of work and balance 50% may be recovered from the running bills.
- viii. EMD of the successful Tenderer shall be converted and adjusted against security deposit.
- ix. The security deposit shall not carry any interest.

28. BANK GUARANTEE:

In case the bank guarantees are required to be deposited towards security deposit/performance guarantee or for any other purpose as per the terms of the tender enquiry, such bank guarantees of the requisite value in the denominated currency of the purchase order should be from one of the Indian branch of BHEL consortium banks and the bank guarantee should be in the ` as prescribed by BHEL. The proforma of bank guarantee and the list of consortium banks are displayed at BHEL website www.bhelhwr.co.in. However, in case the bank guarantee is not from BHEL consortium banks, then the bidder has to get the bank guarantee confirmed from one of the Indian branch of BHEL consortium banks and the bank charges for such confirmation will be borne by the bidder.

29. REFUND OF SECURITY DEPOSIT:

Security Deposit shall be released to the Contractor upon fulfilment of contractual obligations as per terms of the contract.

30. GOODS & SERVICE TAX: -Bidder has to specify the following in their techno-commercial bid (part I bid in case of two part bid):

- I. a) Legal Name of the bidder as in GST registration, GST registration No., State, Place of business, category of registration under GST i.e. Registered dealer / Unregistered dealer/ dealer opted for Composition Scheme,

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- b) HSN (Harmonized System Nomenclature)/ SAC (Service Accounting Code), description of Goods/Services and applicable IGST/ CGST/ SGST rate and any other statutory levy, if any, for each item of Goods or Services.
- II.** a) *Unregistered Dealer* - In case of unregistered dealer, if GST will have to be paid by BHEL under reverse charge mechanism, the same shall be added to the quoted price for evaluation bid.
- b) *Dealer opting for Composition Scheme* - In case of registered dealer, who opt for composition scheme at the time of submission of bid, no GST will be payable to the bidder and also same will not be considered for evaluation of bid. Dealer has to declare in technical bid that no GST is shown separately in price bid. However, in case at the time of actual supply, the bidder charges GST at normal rate, the same shall be reimbursed subject to the availability of GST credit to BHEL. In case GST credit is not available to BHEL, no GST will be payable to the bidder.
- III.** Reimbursement of GST shall be made by BHEL-Haridwar on matching of Contractor inputs as mentioned below at GST portal and after ensuring of availability of input credit to BHEL, Haridwar. Hence, Contractor has to ensure compliance as follows: -
- a) Timely raising & submission of GST compliant Invoices
- b) Timely receipt of GST
- c) Timely and correct payment of applicable GST by supplier/contractor
- d) Timely filing of return
- e) Compliance of other applicable provisions on supplier/contractor has to also give consent to accept payment of tax after such matching in all cases where bills are submitted directly to BHEL.
- IV.** In the event of any disallowance of input credit (including reversal of credit) or applicability of interest or arising of any other financial liability on BHEL-Haridwar due to any default of supplier/contractor under GST such as non/delayed receipt of Good/Services, delayed raising & submission of invoices, delayed payment of tax, non/wrong declaration of sale by Contractor in return etc. or any other reason not attributable to BHEL, such implication shall be to supplier's/contractor's account and will be deducted from bills.
- V.** In case of Liquidated damage (LD) recovery, the applicable GST shall also be recoverable from the suppliers. TDS or any other tax on GST shall also be deductible as per prevailing Acts/regulations.

31. PAYMENT TERMS AND PAYMENT PROCEDURE:

Payments will be made to the contractor on successful completion of work on production of bills/ Invoice. The contractor has to submit Monthly Bill, Measurement Book with all necessary documents duly signed by the authorized persons to the concerned department.

Payment shall normally be released every month within 15 days from the date of submission of clear bills along with all supporting documents.

Payments will be made through e-payment system after deduction of Income tax at source as per Income Tax Act. Irrespective of the running payments made by BHEL at different stages, the Contractor shall be entitled to the payment upon successful completion of the works as per the contract only.

BHEL shall have no payment obligation for the period of Force Majeure/ Reasons beyond the control of any party.

32. PENALTY CLAUSE

Because of delay attributed to contractor, the contractor fails to complete work on or before the scheduled date of completion, a penalty amount equal to 0.50 percentage of the contract value/ unexecuted portion (as applicable) for every week of extension sought beyond the scheduled date of completion up to max. 10 % of the contract value shall be imposed on contractor. Such amount may be adjusted or setoff against any sum payable to the contractor under this or any other contract.

No penalty shall be imposed on contractor for the period of Force Majeure/ Reasons beyond the control of any party.

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33. RECOVERY FROM THE CONTRACTOR:

Whenever under the contract any amount becomes recoverable from the contractor, the same may be deducted from any sum then due or which at any time thereafter may become due to the contractor under the contract or under any other contract with BHEL or from his security deposit, or he shall pay the claim on demand.

34. RISK PURCHASE CLAUSE: -

In case of delays in supplies / defective supplies/ incomplete work or non-fulfilment of any other terms and conditions given in Work Order, BHEL may cancel the work Order in full or part thereof and may also make the procurement of such material/service from elsewhere / alternative source at the risk and cost of the supplier/contractor. BHEL will take all reasonable steps to get the material/service from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract.

35. BENEFITS TO MSE BIDDERS: -

MSEs shall be exempted from payment of Earnest money & tender cost at the time of tender deposit. However, there is no exemption of security deposit submission.

Benefits to MSE bidders as applicable shall be given as per rule upon submission of Udyam Certificate along with certificate from Chartered Accountant or any other applicable document.

No benefits shall be applicable for that particular enquiry if the required documents are not submitted before price bid opening.

36. BENEFITS UNDER MAKE IN INDIA: -

Benefits under make in India order 2017 and subsequent shall be extended as per rules if applicable.

37. SETTLEMENT OF DISPUTES/ ARBITRATION

In all cases of dispute, the matter shall be referred for ARBITRATION by sole arbitrator to be appointed with mutual consent of the parties. BHEL shall suggest 3 names out of which the contractor will have to select the arbitrator. The award of the Arbitrator shall be final and binding on both the parties. The place of Arbitration shall be Haridwar.

JURISDICTION: The courts of Haridwar, India, shall have exclusive jurisdiction

38. FORCE MAJEURE CLAUSE

Notwithstanding any other thing contained anywhere else in the contract in case the discharge of obligation under the contract by either party is impeded, neither party shall be considered in breach of the contract to the extent that performance of their respective obligation is prevented by an event of Force Majeure that arises after the effective contract date.

In the above clause, Force Majeure means an event beyond the control of the parties to the contract which prevents a party from complying with any obligation of the contract including but not limited to:

- a) Act of God (Such as but not limited to earthquake, drought, tidal waves, floods etc.).
 - b) War (whether war be declared or not), Hostilities Invasion, Act of foreign enemy etc.
 - c) Rebellion, revolution, insurrection, civil war etc.
 - d) Contamination of Radio Activity from any nuclear fuel or from any other nuclear waste or any other hazardous materials.
 - e) Riots, commotions, strike unless restricted to the employees of supplier.
 - f) Acts of terrorism.
 - g) Change in law/ Regulation making the performance impossible.
- The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances.

39. FRAUD PREVENTION POLICY: -

The Bidder along with its associate / collaborators / sub – vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

http://www.bhel.com and shall immediately bring to the notice of BHEL Management about fraud or suspected fraud as soon as it comes to their notice". Fraud Prevention policy and List of Nodal Officers shall be hosted on BHEL website, vendor portals of Units / Regions intranet

40. EVALUATION IN CASE OF MORE THAN ONE L-1 BIDDER: -

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

41. QUOTED RATES: -

Rates should be quoted as per the Price Bid. Rates quoted in any other form will not be accepted and is liable to be rejected.

- a) If, in the price structure quoted for the required goods / services / works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
- b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail as above.

42. **REVERSE AUCTION: As mentioned in NIT. "BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.**

Price bid of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders on 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."

Special Terms & Conditions

MANPOWER DEPLOYMENT:

- 1) The main responsibility of the deployed work force will be smooth operation of Forging presses, manipulators, Furnaces along with its auxiliaries as defined in scope of work. The work force shall involve a team of skilled, semi-skilled and unskilled workers. The desired work required by the manpower which is to be supplied by the contractor at the site shall be Fitting, Welding, Electrical Work etc.
- 2) The overall team must be experienced and must also be capable of handling maintenance activities and have basic knowledge of electrical, mechanical, hydraulics and electronics.
- 3) The deployment of workforce will be in two shifts on regular basis and in the third shift as per the exigencies of the work along with Sundays and holidays.

Minimum No. of Manpower: 26 persons

Maximum No. of Manpower: 35 persons

- 4) The Contractor should be prepared to deploy additional Manpower (over the above mentioned limit) in case of Planned/Forced Shutdown of Equipment and Major Overhauling/Maintenance activities as and when required.
- 5) The equipment's are very old and in very bad shape, most of the system components/assemblies are obsolete, thus require special skills to maintain them in absence of proper spares and technical support.
- 6) In case of poor workmanship, delay in attending the breakdowns, extension of breakdown beyond normal/stipulated time etc., the vendor may be penalized as deemed fit by the site-incharge.
- 7) Keeping in view the above points the vendor should quote their rates and ensure timely monthly payment to deployed manpower.

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

SCOPE OF WORK

Sl. No	Activity description	Total Jobs (Units) (Quantity)
01.	FW0320000158: Assistance to production during operation of 9000 T forging press and 32/65 mT manipulator	1200 U
1.1	Checking oil level in manipulator and filling if necessary	(Attending any/ all activities during Production for the duration of 8 hrs of Activity 01 therefore one hour of Press and Manipulator operations corresponds to 0.25U of work.)
1.2	Checking oil level in oil hydraulic & filling if necessary.	
1.3	Checking water level in Press cellar and draining it by starting water drain pumps	
1.4	Filling of Water in lower Pressure tank of Press	
1.5	Filling of air in Low Pressure tank of Press	
1.6	Starting of Booster Pump and Main Pump	
1.7	Opening of HP Shut off Valve	
1.8	Checking all operations of Press and handing over if OK	
1.9	During Forging Water level monitoring so that it don't fall up to zero	
1.10	Resolving small complaints like pressing slowly, returning slowly, table slow etc	
1.11	Monitoring pumps so that it loads and unloads properly (any faulty sequence will result in escaping of compressed air, if shut off valve not manually closed.)	
1.12	Monitoring of water level in cellar and starting pumps according to requirement	
1.13	Maintaining speeds of press according to job/production requirement	
1.14	Maintaining manipulators speed according to requirements	
1.15	Checking of water level in overhead tank	
1.16	Checking of air pressure in low pressure tank	
1.17	Increasing pressure for a large sized job	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
02.	FW0320000159: Breakdown and preventive maintenance of Pumps No 05, 06, 07, 08, 09, 10 and Booster Pump – 02nos.	400 U
2.1	Repair, replacement of Check valve	(Attending Any one job 2.1 to 2.8 equivalent to weighted one unit of job)
2.2	Repair, Replacement of Tandem Valves	
2.3	Repair and Replacement Of parts of Stuffing Boxes, Filling of glands, Tightening of Nuts and Fixing of Plates and checking/ arresting water leakages	

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

2.4	Repair of Pilot valve, By pass Valve, Cleaning of Filters of Lube oil circuit	
2.5	Checking of oil level in crank case assemblies, Cleaning of crank case and changing Oil	
2.6	Fixing, tightening and welding of clamps and mountings of suction and discharge lines and Draining the water collected in the cellar of the Pump Station.	
2.7	Dismantling, cleaning, repair of boost pump, valve, motor along with complete assembly.	
2.8	Rectification of Spare parts and Repairing them.	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
03.	FW0320000160: Preventive and breakdown maintenance of Main Control , Table control, Step control and Switch control.	300 U
3.1	Greasing of Rocker Assembly, checking of Bracket of Hydraulic Cylinder assembly. Checking the feedback device and Rubber coupling. Leakage of Hoses connecting Hydraulic cylinders.	(Attending Any one job 3.1 to 3.4 equivalent to weighted one unit of job)
3.2	Repair and Replacement of Lip Packing in the lifting Pin assembly. Checking the assembly and repair/ replacement of damaged parts AND Greasing the lifting pin and bushes. Replacement of worn out Lifting Pins and Guide bushes.	
3.3	Checking/ Repair/ replacement of the control valves and Replacement of damaged sealing Rings and Packings.	
3.4	Setting of the control valves.	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
04.	FW0320000161: Preventive and Breakdown maintenance of Main cylinder assembly, Filling valve assembly, Table cylinder assembly, Return Cylinder assembly, Auxilliary return cylinder assembly.	200 U
4.1	Tightening of flange of Main cylinder assembly to reduce leakage from the Packing.	(Attending Any one job 4.1 to 4.12 equivalent to weighted one unit of job)
4.2	Replacement of Packing of Main Plungers assembly	
4.3	Greasing of columns	
4.4	Welding of ribs to hold main cylinder in position and tightening of the bolts at the top of main cylinder assembly and filling valve assembly.	
4.5	Replace and Repair of Filling valve 3 nos	
4.6	Replacement of sealing ring from the Top of Main cylinder assembly	
4.7	Replacement of Packing from the top of Filling Valve	
4.8	Replacement/ Repair of packing and sealing rings of Low pressure line and high Pressure line.	
4.9	Replacement of Packing of Return Cylinder assembly	

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

4.10	Replacement of Packing of Table cylinder assembly	
4.11	Replacement of Packing of Auxilliary Return Cylinder assembly	
4.12	Replacement of sealing rings and tightening of bolts for arresting leakages from high pressure line and Rectification and repair of distributor and over head high pressure pipe lines	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
5.	FW0320000162: Preventive and breakdown maintenance of Spring Loaded valve, Junction Box, Shut off valve , automatic shut off valve, NRV, replacement of anker bolts and die-clamping cylinder.	150 U
5.1	Repair/ cleaning of spring loaded valve.	(Attending Any one job 5.1 to 5.9 equivalent to weighted one unit of job)
5.2	Rectification and repair of the Pilots of Shut off valve to arrest leakage of Level.	
5.3	Repair of shut off valve	
5.4	Repair and replacement of Packing of Automatic shut off valve	
5.5	Repair/ cleaning and lapping of seat of NRV.	
5.6	Tightening of anker bolts	
5.7	Replacement of anker bolts	
5.8	Arresting leakage from die clamping cylinder assembly	
5.9	Replacement of Plunger from die clamping cylinder assembly	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
06.	FW0320000163: Preventive and breakdown maintenance of Hydraulic Power Pack and 32/65mT Manipulator	100 U
6.1	Repair/ Cleaning of Hydraulic valves of all assemblies.	(Attending Any one job 6.1 to 6.5 equivalent to weighted one unit of job)
6.2	Cleaning of Hydraulic Pressure line filters and Return line filters	
6.3	Replacement of worn out hose pipes of the manipulator and Hydraulic Power pack. Arresting leakage from the Pipe lines.	
6.4	Cleaning of Filters of the Manipulator	
6.5	Replacement of the worn out Packings of Hydraulic cylinders and arresting leakages from all fittings, pipelines, hoses etc.	

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

Sl. No	Activity description	Total Jobs (Units) (Quantity)
07.	FW0320000164: Electrical maintenance of press and manipulator panels, various controls and field devices.	100 U
7.1	Regular checking and cleaning of panels and electrical contacts	(Attending Any one job 7.1 to 7.4 equivalent to weighted one unit of job)
7.2	Repair/replacement and modification of old wiring and cables along with arranging, dressing, laying and marking.	
7.3	Repair/replacement of Contactors, switches, joysticks, relays and other switch gear items	
7.4	Electrical tuning of control system	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
08	FW0320000166-Work Schedule 01 : Assistance to production during operation of forging press and manipulator:	1200 U
	<ol style="list-style-type: none"> 1. Checking oil level in manipulator and filling if necessary. 2. Checking Manipulator foundation Bolts 3. Checking air Pressure in Manipulator Accumulator and filling if necessary. 4. Checking oil level in oil hydraulic & filling if necessary. 5. Checking water level in Press cellar and draining it by starting water drain pumps. 6. Filling of Water in lower Pressure tank of Press. 7. Filling of air in Low Pressure tank of Press. 8. Starting oil hydraulic & checking Pressure of oil hydraulic 9. Booster pump valve open. 10. LT valve open 11. Opening of HP Shut off Valve. 12. Starting of Booster Pump 13. Starting of main Pump. 14. Checking all operations of Press and handing over if OK. 15. Water level monitoring so that it don't fall up to zero. 16. Resolving small complaints like pressing slowly, returning slowly, table slow etc. 17. Monitoring pumps so that it loads and unloads properly (any faulty sequence will result in escaping of compressed air, if shut off valve not manually closed.) 18. Monitoring of water level in cellar and starting pumps according to requirement. 19. Maintaining speeds of press according to job/production requirement. 20. Maintaining manipulators speed according to requirements. 21. Checking of water level in overhead tank. 22. Checking of air pressure in low pressure tank. 23. Increasing pressure for a large sized job. 24. Switching on pumps according to requirement of water column. 	(Attending any/ all activities during Production during two shifts of operation of 8 hrs each , therefore one hour of Press and Manipulator operations corresponds to 0.25U of work. 2650T Press runs in 2 shifts.)

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

Sl. No	Activity description	Total Jobs (Units) (Quantity)
09.	FW0320000167-Work Schedule 02 : Breakdown & Preventive Maintenance of main control block, table block, switch control and step control:	350 U
9.1	Dismantling of assembly and replacement of rocker bush of drive and feed back end of Main Control	(Attending any one job from 9.1 to 9.20 equivalent to weighted one unit of job)
9.2	Dismantling of assembly and replacement of damaged/worn out packings of Main control.	
9.3	Dismantling & assembling of valves. Repair, replacement and adjustment of control valves and seats of Main Control Block.	
9.4	Dismantling of lifting pin assembly, repair, replacement and adjustment of Main Control.	
9.5	Dismantling of guide bush assembly, repair, replacement and adjustment of Main control.	
9.6	Dismantling of EMG valve, cleaning, replacement of packings/ seals, assembly, mounting, testing and adjustment.	
9.7	Dismantling, repair and replacement of oil hydraulic pistons of Main control Block	
9.8	Dismantling and repair/rectification of rocker of Main control Block.	
9.9	Dismantling, repair/ rectification and mounting check valves of long table control block.	
9.10	Rectification, repair and replacement of pilot and high pressure connectors and ferule of pipe lines of long table control block	
9.11	Dismantling, repair and replacement of packings & bushes of Long table control block.	
9.12	Dismantling, repair and replacement of packings of long table Cylinders.	
9.13	Dismantling, cleaning, repair and tuning of magnet/solenoid assembly of long table control block	
9.14	Dismantling, repair/ rectification and mounting check valves of cross table control block.	
9.15	Rectification, repair and replacement of pilot and high pressure connectors and ferule of pipe lines of cross table control block	
9.16	Dismantling, repair and replacement of packings & bushes of Cross table control block.	
9.17	Dismantling, repair and replacement of packings of cross table Cylinders.	
9.18	Dismantling, cleaning, repair and tuning of magnet /solenoid assembly of cross table control block	
9.19	Dismantling, cleaning, repair and replacement of Step control valves	
9.20	Dismantling, cleaning, repair and replacement of Switch control valves	

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

Sl. No	Activity description	Total Jobs (Units) (Quantity)
10.	FW0320000168-Work Schedule 3 :Breakdown & Preventive maintenance of Mercury unit and Accumulator station:	140 U
10.1	Dismantling of mercury unit, cleaning and drying of water from unit, cleaning of electrical contacts, filling/removing of mercury from unit along with assembly and trial.	(Attending any one job from 10.1 to 10.4 to weighted one unit of job equivalent)
10.2	Repair of high Pressure Valves for Accumulator	
10.3	Operation and maintenance of high pressure compressor for filling air in high pressure vessel.	
10.4	Dismantling, cleaning and repair of mercury unit high pressure valves.	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
11.	FW0320000169-Work Schedule 4: Breakdown & Preventive Maintenance of high Pressure Pumps (01,02,03) & Booster Pump:	250 U
11.1	Repair of check valve	(Attending any one job from 11.1 to 11.8 equivalent to weighted one unit of job)
11.2	Repair of Stuffing Box	
11.3	Repair of Tandem valves	
11.4	Repair of lubrication pump, cleaning and changing of filter unit, checking and making of oil level.	
11.5	Cleaning and repair of circulation and cooling lines along with heat exchanger.	
11.6	Fixing, tightening and welding of clamps and mountings of suction and discharge lines.	
11.7	Dismantling, repair, cleaning and mounting of bypass valve.	
11.8	Dismantling, cleaning, repair of boost pump, valve, motor along with complete assembly.	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
12.	FW0320000170-Work Schedule 5: Breakdown & Preventive Maintenance of high pressure line, shut off valve and automatic shutoff valve:	200 U
12.1	Welding of High pressure Lines	(Attending any one job from 12.1 to 12.4 equivalent to weighted one unit of job)
12.2	Repair of shut off valve	
12.3	Repair of automatic shut off valve	
12.4	Repair of Pilot valve of automatic shut off valve	

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

Sl. No	Activity description	Total Jobs (Units) (Quantity)
13.	FW0320000171-Work Schedule 6 : Breakdown & Preventive maintenance of Return Plunger, Main Plunger, die clamping & mounting system, Distributor system & filling valves:	90 U
13.1	Dismantling, replacement and assembly of return cylinder packings.	(Attending any one job from 13.1 to 13.7 equivalent to weighted one unit of job)
13.2	Dismantling replacement and assembly of copper rings of return cylinder.	
13.3	Dismantling, repair, replacement and assembly of die clamping plunger/ Cylinder	
13.4	Fabrication and removal of temporary platform on moving cross head for replacement of main packings.	
13.5	Dismantling of flange, removal of old packings, replacement of new packings and final fixing and tightening of flange & Removal of platform	
13.6	Dismantling, repair/rectification, replacement of packings ,assembly of filling valve 3 Nos.	
13.7	Rectification and repair of distributor and overhead high pressure pipe lines.	

Sl. No	Activity description	Total Jobs (Units) (Quantity)
14	FW0320000172-Work Schedule 7 : Breakdown & Preventive maintenance of manipulator rotation and travel gearboxes, lifting and shifting cylinders:	100 U
14.1	Repair of travelling gear box	(Attending any one job from 14.1 to 14.11 equivalent to weighted one unit of job)
14.2	Repair of rotation Gear box	
14.3	Change of Packing of Front Lifting cylinder	
14.4	Change of Packing of rear Lifting cylinder	
14.5	Change of Packing of Front Side shifting cylinder Packings	
14.6	Repair of Manipulator Jaw Lever Pins	
14.7	Repair of Piston accumulator assembly	
14.8	Welding of High Pressure pipes of Manipulator	
14.9	Repair of Cooling pump	
14.10	Repair of Main Pumps & Motors	
14.11	Repair of Clamping cylinder at the rear of manipulator	

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

Sl. No	Activity description	Total Jobs (Units) (Quantity)
15.	FW0320000173-Work Schedule 8 : Electrical maintenance of press and manipulator panels, various controls and field devices:	150 U
15.1	Regular checking and cleaning of panels and electrical contacts.	(Attending any one job from 15.1 to 15.4 equivalent to weighted one unit of job)
15.2	Repair/replacement and modification of old wiring and cables along with arranging, dressing, laying and marking.	
15.3	Repair/replacement of Contactors, switches, joysticks, relays and other switch gear items.	
15.4	Electrical tuning of control system.	

Sl. No	Activity description	Total Units
16	FW03200000008: Cleaning of burners in furnaces in Forge Shop	250U
17	FW03200000087: Repair and replacement of burners in Furnaces in Forge Shop	200U
18	FW03200000083: Dismantling, repair, assembly and trial run of various valves , regulators and pipe line of furnaces in Forge Shop	100U
19	FW03200000084: Dismantling, repair, assembly, alignment and trial run of Blower and door drive of furnaces in Forge Shop	100U
20	FW03200000085: Dismantling, repair, assembly, alignment, coupling and trial run of gear box and auxiliaries of bogie drive unit in Forge Shop	100U
21	FW03200000086 : Lubrication of Moving parts of Furnaces in Forge Shop	50U
22	FW03200000183: Maintenance of Furnace panels, starters, blowers, ID fan , Motors etc in Forge Shop	100U
23	FW0320000211: Assistance to dismantling & replacement of Main cylinder, Plunger, bushes, packing's, pipelines of 2650T Press	300U
24	FW0320000213: Major dismantling and rectification of 25/50T Manipulator's jaw assembly.	75U
25	FW0320000214: Dismantling & replacement of new low rpm HT Motor in place of high rpm HT motor on HP pumps of 9000T Press along with other modifications.	75U

S. No	Activity description	Total Units
26	FW0320000187: Operation of Machines in CMW of Forge shop.- work include machining operations on lathe machine, milling machine, Shaper machine and Horizontal boring machine in Two shifts. The work carried out will be for the maintenance activities of all the shops.	600 V
27	FW0320000188: Upkeep material and records of Stores of HFS and MFS- Work includes material and record upkeep, loading and unloading material from the central stores, Material receiving and issuing in Shops.	200 V
28	FW0320000189: Rewinding of Motors, Transformers, coils etc. in ERS of Forge Shop	400 V

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

Note

– For all the activities (from 01 to 25) mentioned above, each activities have been categorized in sub- activites which have **defined weighted unit value**.

Total no. of Units (From 01 to 25) = **6280 Units (U)**.

– For all the activities (from 26 to 28) mentioned above, each activities have been categorized in sub- activites which have **defined weighted unit value**.

Total no of Units (From 26 to 28) = **1200 Units (V)**.

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

PQR (Pre- Qualification Requirement)

This section details minimum requirement on part of the bidder for "Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS".

In general, the bidder must satisfy following criteria:

1.0 Should have Executed any one the following mentioned work(s) in the last seven years.

a) Reconditioning/ Annual Maintenance Contract (AMC)/ Maintenance of 2000T Press or higher and 25/50mT Manipulator or higher.

OR

b) AMC of Cranes with minimum 20 numbers of cranes and with at least one crane of 50T capacity or higher.

OR

c) Annual Maintenance Contract of minimum 10 numbers of Machine Tools including mechanical, hydraulic & electrical maintenance consisting of both the following machine tools: -

a) Minimum One Vertical Boring Machine of Table dia. 6000 mm or higher size

b) Minimum One Horizontal Boring Machine of Spindle dia. 200 mm or higher size

As a proof, completion certificate(s)/Work Order(s) from the original client(s) must be submitted. Any work supporting or facilitating to above work will not be considered.

2.0 Turnover and Financial Position:

a) Average Revenue from Operations for three consecutive financial years 2017-18, 2018-19, 2019-20 OR 2018-19, 2019-20, 2020-21 whichever is applicable, must be not less than Rs.17.3 Lakhs.

(Copy of ITR and Audited Balance Sheet to be submitted)

b) Bidder must submit proof of having carried out successfully work of similar nature during last 7 years ending last date of the month previous to the one in which NIT for this work is issued. Similar work means Clause 1.0 as above

(i) Not less than Rs.23.1 Lakhs for each of minimum three similar completed works with any organization of repute but not the bidders own organization

OR

(ii) Not less than Rs. 28.9 Lakhs for each of minimum two similar completed works with any organization of repute but not the bidders own organization

OR

(iii) Not less than Rs.46.2 Lakhs for each of minimum one similar completed works with any organization of repute but not the bidders own organization.

As a proof, completion certificate(s)/Work Order(s) from the original client(s) must be submitted. In case of AMC, order value per annum will be considered for evaluation. Any work supporting or facilitating to above work will not be considered.

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

1. MSE's (Micro & Small Enterprise) & Start-ups as defined in MSMED Act and/or Govt. Policy are exempted from clause 2.0 of above mentioned qualification criteria as per clause no 3 and 4 of Circular No 1(2)(1)/2016-MA dated 10th March, 2016 of Ministry of MSME, GOI.
2. As the equipment's in forge shop operate at High temperature, High Pressure and High Voltage hence relaxation in prior experience cannot be given owing to safety requirements.
3. For such exemptions, Bidders must submit documents undisputedly establishing them as a MSE or Start-Up entity in the field of repair/manufacturing of Electrical Installations valid as on the date of Tender Opening. Such documents shall include certificate of in-corporation, registration certificate, UAM certificate etc.
4. BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false/incorrect, the offer shall be rejected.

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

ANNEXURE – V

Subject: Submission of Latest Detail by bidder.

Sir,

Our Latest detail may please be updated in your records; details are as below-

Parameter	Yes/No/NA	Detail
Name of Company/ Business Firm		
Type of Company/ Business Firm (Pvt. Ltd/ Ltd/ Partnership/ proprietorship)		
Company/ Business Firm Email ID		
Company/ Business Firm Postal Address		
Name of Owner		
Owner Mobile No.		
Owner Landline No.		
Contact Person		
Mobile No.		
Contact Person Email ID		
GST No. (Copy Attach)		
PAN No. (Copy Attach)		
PF No. (Copy Attach)		
ESI No. (Copy Attach)		
MSME Status (Yes/No)		
Udyam Certificate for MSME to be submitted (in case of exemption of EMD)		
CA certificate for MSME in support of Udyam Certificate to be submitted (in case of exemption of EMD)		
Acceptance of Reverse Auction (RA) as per requirement of NIT (Yes/No)		
PQC/ General and Special Terms & Conditions		
Completion certificate (Copy Attach)		
Remarks, if any		
Contractor's Sign & Stamp on each submitted page		

Supporting documents, if any, to be submitted with tender.

Sign & seal of Contractor

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

PRICE BID FORMAT

Name of Contractor: _____

Tender No. : FF: 21: MFG: RM: MEEE: 03:033

Tender Name: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS

S. No.	Activity	Total Jobs (Units) (Qty.)
1.	FW032000015 Assistance to production of 9000 T forging press and 32/65 MT manipulator	1200 U
2.	FW0320000159 Breakdown and preventive maintenance of Pumps No 05, 06, 07, 08, 09, 10 and Booster Pump – 02nos.	400 U
3.	FW0320000160 Preventive and breakdown maintenance of Main Control , Table control, Step control and Switch control.	300 U
4.	FW0320000161 Preventive and Breakdown maintenance of Main cylinder assembly, Filling valve assembly, Table cylinder assembly, Return Cylinder, Auxilliary return cylinder assembly.	200 U
5.	FW0320000162 Preventive and breakdown maintenance of Spring Loaded valve, Junction Box, Shut off valve , automatic shut off valve, NRV, replacement of anker bolts and die-clamping cylinder.	150 U
6.	FW0320000163 Preventive and breakdown maintenance of Hydraulic Power Pack and 32/65T Manipulator	100 U
7.	FW0320000164 Electrical maintenance of press and manipulator panels, various controls and field devices.	100 U
8.	FW0320000166 Work Schedule 01 : Assistance to production during operation of forging press and manipulator:	1200 U
9.	FW0320000167 Work Schedule 02 : Breakdown & Preventive Maintenance of control block, table block, switch control and step control	350 U
10.	FW0320000168 Work Schedule 03: Breakdown & Preventive maintenance of Mercury unit and Accumulator station	140 U

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

11.	FW0320000169 Work Schedule 04: Breakdown & Preventive Maintenance of high Pressure Pumps (01,02,03) & Booster Pump	250 U
12.	FW0320000170 Work Schedule 5: Breakdown & Preventive Maintenance of high pressure line, shut off valve and automatic shutoff valve	200 U
13.	FW0320000171 Work Schedule 6 : Breakdown & Preventive maintenance of Return Plunger,Main Plunger,die clamping & mounting system, Distributor system & filling valves	90 U
14.	FW0320000172 Work Schedule 7 : Breakdown & Preventive maintenance of manipulator rotation and travel gearboxes, lifting and shifting cylinders	100 U
15.	FW0320000173 Work Schedule 8 : Electrical maintenance of press and manipulator panels, various controls and field devices	150 U
16.	FW03200000008 Burner Cleaning	250 U
17.	FW03200000087 Repair and replacement of burners in Furnaces	200 U
18	FW03200000083 Dismantling, repair, assembly and trial run of various valves , regulators and pipe line of furnace	100U
19	FW03200000084 Dismantling, repair, assembly, alignment and trial run of Blower and door drive of furnace	100U
20	FW0320000085 Dismantling, repair, assembly, alignment, coupling and trial run of gear box and auxiliaries of bogie drive unit	100U
21	FW0320000086 Lubrication of Moving parts of Furnaces	50U
22	FW03200000183 Maintenance of Furnace panels, starters, blowers, ID fans , Motors etc	100U
23	FW0320000211 Assistance to dismantling & replacement of Main cylinder, Plunger, bushes, packing's, pipelines of 2650T Press	300U
24	FW0320000213 Major dismantling and rectification of 25/50T Manipulator's jaw assembly.	75U
25	FW0320000214 Assistance to Dismantling & replacement of new low rpm HT Motor in place of high rpm HT motor on HP pumps of 9000T Press along with other	75U

Name of work: Assistance to production during operation and Preventive/Breakdown maintenance of Presses, Manipulators, Furnaces, Machines in CMW, Rewinding work in Electrical repair shop and maintaining stores of HFS & MFS.

	modifications.	
	Total	6280U

S. No.	Activity	Total Jobs (Units) (Qty.)
26	FW0320000187 Operation of Machines in CMW of Forge shop	600 V
27	FW0320000188 Upkeep material and records of Stores of HFS and MFS	200 V
28	FW0320000189 Rewinding of Motors, Transformers, coils etc.	400 V
	Total	1200 V

<p>Total Quoted value of (U+V) (Excluding GST)</p>	Rate of U =Rs. _____
	(i) Amount of U(Rate of U * 6280) = Rs. _____
	Rate of V =Rs. _____
	(ii) Amount of V(Rate of V * 1200) = Rs. _____
	Total Amount = (i)+ (ii) Rs. _____ <i>(price per unit to be quoted by vendor in number)</i>
	Total Amount _____ <i>(price per unit to be quoted by vendor in words)</i>

*Note: L1 shall be decided on the cumulative value of all activities

In case of mismatch in values, Total Amount quoted in figures would be treated as final.

(Signature and Seal of the Contractor)
