



ISO 9001:2015

**HEAVY MACHINE TOOLS PLANT
HEAVY ENGINEERING CORPORATION LIMITED**
(A Govt. of India Enterprise)
Ranchi – 834 004 (INDIA)

Phone : 0651-2400266
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Tender Enquiry No. HTP/PUR/172819/REC/LC100/SC/24-004 Dtd. 02/01/25

OPEN TENDER

Sub : E-tendering with E-price bids for Supply of Control Cubicle etc.

Open Tenders are invited on line through website. Tenders are to be submitted strictly as per guidelines furnished in the website of <http://etenders.gov.in> here under:

INSTRUCTION TO BIDDERS (ITB)

1.0 Tender Summary :

Tender Ref No.	HTP/PUR/172819/REC/LC100/SC/24-004 Dtd. 02/01/25	
Item details	Control Cubicle etc.	
Cost of Tender documents/Tender Fee (MSME/SSI/NSIC for exemption)	Rs.200/=	
Cost of EMD (MSME/SSI/NSIC for exemption)	Rs.5000/=	
Mode of Tender	E tender with e price bid	
Type of tender	Two Bid System	
Last date and time for on-line submission of tender	13/01/2025	UPTO 13 Hrs (IST)
Due date and time for on line opening of tender Part 1 only	14/01/2025	AT 15 Hrs (IST)
(Under unforeseen circumstances and if the due date falls on holiday, the tender will be opened on the next full working day at same time)		

Bidders are requested to submit their most competitive offer through e- procurement mode only. Offer submitted through offline mode will not be considered. For more information please visit our website <https://etenders.gov.in/e procure/app>.

Prospective Tenderers are advised to get register themselves only on at NIC e-tender portal i.e. <https://etenders.gov.in/e procure/app>, obtain 'User ID' & 'Password' and go through the 'Self Help files' available in the Home Page after log in to the portal <http://etenders.gov.in>. They should also obtain Class III Digital Signature Certificate (DSC) in parallel which is essentially required for submission of their application. Detailed instructions for online bid submission is mentioned below. No registration fee would be charged from the bidders.

Bidders are required to upload the bid along with all supporting documents including priced part (BoQ) only on the e-tendering website (<https://etenders.gov.in/e procure/app>), on or before the due date and time for submission of bid.

NOTE : HEC reserves the right to extend / change the schedule of any activity by intimating the bidders through a notification on the e-tender portal.

2.0 Contents of tender documents :

1	Techno-Commercial Terms and Conditions of NIT (Part 1)	Annexure "A" & Annexure 'B'
2	Template for Price Bid/BOQ format for online submission by the bidder (Part 2)	V4_BOQ_ItemWise.xls

3.0 Requirements for Vendors :

- A) P.C. connected with internet.
- B) Registration with Service provider portal <https://etenders.gov.in>
- C) The vendor should possess a Class III Digital Signature certificate (Mandatory). (Bids will not be recorded without Digital Signature Certificate)
- D) In case of any clarification please contact toll free no available at the site of e.tender.gov.in.
- E) Registration / Enrollment of Bidder on e- tender Portal of HEC: In order to submit the bid, the bidders have to get themselves registered online on the e-tender portal of HEC Ltd with valid Digital Signature Certificate (DSC) issued from any agency authorized by CCA and which can be traced upto the chain of trust to the Root Certificate of CCA. The online Registration of the Bidders on the portal will be free of cost and one time activity only. The registration should be in the name of the bidder, whereas DSC holder may be either bidder himself or his duly authorized person.

4.0 For **registration**, Submission procedure and method of correspondence etc. Please visit our website:<https://www.hecltd.com> / <https://etenders.gov.in> and click on the relevant link for help.

5.0 Help for participating in e-tender:

The detailed method for participating in the e-procurement are available in the website <https://www.hecltd.com> or <https://etenders.gov.in> The bidders have to Log on to official website and then click on the specified links to start participating in the e-procurement process.

Bidders are also free to communicate with the contact person of the service provider to get all clarifications regarding the mode of the e-procurement process.

NB :

- (I) Please note that there is no provision to take out the list of parties downloading the tender document from the above referred web site. As such, tenderers are requested to see the website once again before due date of tender opening to ensure that they have not missed any corrigendum uploaded against the said tender after downloading the tender document. The responsibility of downloading the related corrigenda, if any, will be that of the downloading parties.
- (II) No separate intimation in respect of corrigendum to this NIT (if any) will be sent to tenderers who have downloaded the documents from website. Please see websites i.e. <http://www.hecltd.com> or <http://www.etenders.gov.in>

6.0 The offer should be submitted (uploaded) strictly as per the terms and conditions and Procedures laid down in the website <https://etenders.gov.in> tender document failing which the offer is liable for rejection.

Bidders should download the complete NIT including the Annexure and read carefully before filling the details and uploading the documents.

7.0 The offers with any deviations to the NIT Terms and conditions shall be liable for rejection.

8.0 The bidder must upload all the documents required as per the terms of NIT. (Any other document uploaded which is not required as per the terms of the NIT shall not be considered.)

9.0 It may please be noted that E-tendering or e-procurement fall under the purview of the Information Technology Act 2000 and Information Technology (Amendment) Act 2008 and other relevant acts and subsequent amendments if any).

10.0 There will be no physical sale of the tender documents.

11.0 **PREPARATION OF TENDER DOCUMENTS :**

Tender is to be submitted in two bid system in the following manner and shall be submitted through electronic mode only:

- a) Techno-commercial bid (Part 1) – The offer is to be scanned and uploaded in our portal consisting technical details.

The commercial terms and conditions (as per Annexure B). The format shall be downloaded and the same file duly filled by the bidder is to be uploaded while submitting the offer.

- b) Price-Bid/BOQ (Part 2) : This part of the offer should contain price portion. The format of Price Bid/BOQ which in excel format shall be downloaded by the bidder and rate offered by the bidder shall be filled in the excel file and uploaded the same excel file of e tendering system while submitting the offer.

The price bid/BOQ which is incomplete and not submitted as per the instructions given will be liable for rejection.

Note:

Bidders are requested to upload all the attachments/documents in one single PDF File in Other Important Documents (OID) or as indicated in the online instructions. For Example if more than one document is to be uploaded in support of Eligibility criteria or proveness criteria or any other requirement then bidder must prepare one single PDF file of all the related documents and then upload in the system in OID

Bid Opening Process is as below:-

Tender opening date will be as per given dates. If any clarification is needed from the bidder about the deficiency in his uploaded documents, he will be asked to provide it through Short fall documents folder in e-tendering portal. The bidder shall upload the requisite clarification / documents within time specified by HEC, failing which tender will be liable for rejection.

12.0 **Please read carefully before you quote :-**

Last date of submission of Tender Document : by 1:00 PM (IST) on 13/01/2025
Due date of tender opening (Part 1 only) : at 3:00 PM (IST) on 14/01/2025

1. Items to be supplied as per the provided specifications.
2. It should be quoted on **FOR HMTTP Store**.
3. **Validity** – Minimum 90 days from the date of opening of tender.
4. Order will be under L.D. clause.
5. Price Bid (Part 2) :- Price bid to be uploaded as per BOQ of NIT.
6. Commercial Terms and condition in Annexure-B to be submitted/uploaded along with Technical (Part 1) bid.

13.0 **Disclaimer Clause:-** The Company (Heavy Engineering Corporation Ltd.) nor the service provider (www.etenders.gov.in) is responsible for any failure of submission of bids due to failure of internet or other connectivity problems or reasons thereof.

Annexure A

SCOPE OF SUPPLY :-

Sl	Material Code	Description	MAKE	Qty.
1	-	CONTROL CUBICLE, 215.EA1.01	-	1 Set
2	-	CARRIAGE CONTROL PANEL 1, 215.EA1.02	-	1 No.
3	-	CARRIAGE CONTROL PANEL 2, 215.EA1.03	-	1 No.
4	-	HEAD STOCK CONTROL PANEL, 215.EA1.04	-	1 No.
5	-	TAIL STOCK CONTROL PANEL, 215.EA1.05	-	1 No.
6	-	TERMINAL BOX 'C1', 215.EA1.06	-	1 No.
7	-	TERMINAL BOX 'H', 215.EA1.07	-	1 No.
8	-	TERMINAL BOX 'T', 215.EA1.08	-	1 No.
9	-	TERMINAL BOX 'C2', 215.EA1.09	-	1 No.
10	-	COMMISSIONING SPARES, 215.EA1.10	-	1 Set
		(DETAILS AS PER ANNEXURE-"E")		

IMPORTANT NOTES TO THE BIDDER:

1.	Offer should contain the <u>make</u> and type of each item in the cubicle.
2.	Wherever ratings are not specified, bidder must indicate the type and make in the offer.
3.	If rating and type of any item is required to be changed or any other item to be required for satisfactory operation of equipment that must be supplied by the bidder.
4.	Satisfactory operation of electrics to be demonstrated by the bidder at their premises and at HMTF on full load condition.
5.	The successful bidder will have to submit layout diagram of equivalent (GA) and B.O.M. within 7 days from the date of LOI/PO for approval.
6.	Execution will be carried out as per approved drawings.
7.	Offer is liable to be rejected if offer is incomplete.

Note : For any clarification including drawing etc. please give an email on purhmtf@hecltd.com or give a call on Mob : 9934333442

Commercial terms and conditions:

- Offers to be submitted on FOR HMTF Stores basis. The rate quoted shall be inclusive of all packing & forwarding, freight and transit insurance charges.
- The Price quoted by the tenderer should be exclusive of GST. The rate and nature of GST applicable should be shown separately GST will be paid to the seller at the rate at which it is liable to be assessed or has actually been assessed on the date of supply provided the transaction of sale is legally liable to GST and within the delivery period.
- The rates quoted must be firm and the offers made must remain open for acceptance for three months from the date of opening of the tender.
- Quotations erased or over written are likely to be rejected unless all corrections are authenticated with the tenderer's signature.
- Delivery** – Within 12 **weeks** from the date of order placement.
- Payment Term:** 100% payment with 100% GST through RTGS/Cheque will be made within 60 days of the receipt of supplies at destination duly inspected, against submission of PBG of 10% order value valid till guarantee period.

“The payment shall be made within 60 days of the receipt and acceptance of supplies at the destination. The rate of interest to be loaded on the firm for the payment term offered other than as specified in NIT for calculating landed cost to decide L-1 status will be 1% per month i.e. 12% per annum (Maximum)”

- Delivery Time/Period:** The time for and the date of delivery of the Stores stipulated in the acceptance of tender shall be deemed to be the essence of the contract and delivery must be completed not later than the dates specified therein.

Otherwise:

- i) **LD Clause** - The purchaser to recover from the contractor a sum of 0.5 % per week (completed week) of the price of the stores (up to maximum 10 %) as liquidated damages, which the contractor has failed to deliver as aforesaid or,
 - ii) The purchaser may procure the undelivered stores / similar items from elsewhere, without notice to the contractor at the risk of the contractor without canceling the contract in respect of the consignment not yet due for delivery or,
 - iii) to cancel the contract or a portion thereof.
8. **Security Deposit (SD)**– Successful bidder has to deposit Security Deposit to the extent of 5% of total Purchase Order value within 21 days from P.O. date and it should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier.
- Security Deposit may be furnished in the following forms :-
- a) Demand Draft on any of the Nationalized Banks in favor HEC Ltd. Ranchi.
 - b) Bank Guarantee from any Nationalized Bank (**BG Format Annexure C**)
 - c) Electronic Money Transfer in case of e-tendering.
9. **Performance bank guarantee (BG format Annexure D)** – The successful bidder has to submit the performance bank guarantee of 10% of order value valid till guarantee period after supply of the material (in case order placed on the firm).
10. **Guarantee – The stores supplied shall be guaranteed for a period of 12 months from commissioning or 18 months from date of supply whichever is earlier.**
11. **Inspection Clause:** - Material shall be inspected at firm's works by I/c IQC or his representative. However, HEC reserve the right to inspect the material after receipt of material at HMTTP Stores and if it found NOT CONFORMING to our specification at any stage, then the material shall be rejected and firm have to replace it at no extra cost.
Supplies will be subject to Inspection by our Inspection wing / or inspection Agencies prescribed by us.
12. **Risk Purchase Clause:** – If the material is not supplied within the stipulated period then material can be procured at the risk & cost of the firm without giving any notice to the firm.
13. Full particulars i.e. specification, literature and / or drawing wherever applicable has to be submitted along with the quotation. The '**Brand**' and '**Make**' name must be indicated.
14. Order placed as a result of this tender will be subject to the Corporation's General Terms and Conditions of contract which can be down loaded from our website (www.hecltd.com).
15. The final quantity may vary at the time of finalization of tender, however the proper clarification / confirmation shall be taken from the firms.
16. The Corporation does not pledge itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of tender or portion of the quantity offered and you shall supply the same at the rate quoted.
17. Corporation reserves the right to call for and examine at any time the books of accounts and other documents and papers of the firm for the purpose of ascertaining whether any excess payments has been made or the firm likely to be received / received undue benefit out of execution of the particular contract.
18. Tenderers registered with National Small Industries Corporation/ Small Scale Industries/ Micro, Small scale Industry (MSE) or DGS&D for the tendered item will be exempted from submission of EMD. The tenderer should enclose an authenticated copy / notarized copy of their valid registration certificate with NSIC, DGS&D for grant of exemption.

In case Bidder is covered under MSME criteria, it is mandatory to quote UAM no in Bid Documents.

HEC is registered on TReDS governed by RBI Guidelines and our registration no is HE0000320. All MSME firms are advised to registered on RXIL (Receivable exchange of India-Mumbai).

19. There is no obligation on our part to accept delayed / late tenders. Tenders received after the due date of opening are liable to be summarily rejected.

20. **GOVERNMENT OF INDIA NOT A PARTY TO THE AGREEMENT**

It is expressly understood and agreed by and between =====.(Name of foreign party / firm) and M/s Heavy Engineering Corporation Ltd .(for short "HEC") that HEC is entering into this agreement solely on its own behalf and not on behalf of any other person or entity. In particular it is understood and agreed that Government of India is not a party to this agreement and has no liabilities, obligations or rights hereunder. It is expressly understood and agreed that HEC is an independent legal entity with power and authority to enter into contracts Solely on its own behalf under the applicable laws of India and general principals of contract law. The Company expressly agrees, acknowledges and understand that HEC is not an agent, representative or delegate of Government of India.

It is further understood and agreed that Government of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the contract. Accordingly Corporation (HEC) hereby expressly waives , releases and foregoes any and all actions or claims including cross claims, impleader claims or counter claims against the Government of India arising out of this contract and covenants not to sue the Government of India as to any manner, claim, cause or action or thing whatsoever, arising out of or under this agreement.

21. **Arbitration Clause:-**

The parties to this contract at the first instance shall endeavour to settle by mutual discussion all the questions of disputes or differences arising out of, or relating thereto, or in connection with this contract and in the event of failure of settlement, the aggrieved party shall refer the unresolved dispute(s) or difference(s) to the Chairman-cum-Managing Director of the company (HEC Limited) for adjudication by a sole Arbitrator to be appointed by him (CMD of HEC Ltd) who (sole Arbitrator) shall adjudicate the matter in question in accordance with the arbitration and conciliation Act, 1996 (For short "Act") and publish the award. The parties shall have no objection if the sole Arbitrator so appointed is an employee or Ex-employee of HEC Ltd. If the sole Arbitrator for any reason, whatsoever, becomes unable to proceed with the arbitration, the Chairman-cum-Managing Director of the company shall appoint his successor arbitrator who may proceed with the reference from the stage it was left by his predecessor subject to provision of the Act. The venue of arbitration proceeding shall be at Ranchi in the state of Jharkhand, INDIA alone.

Jurisdiction Of court: For any or all types of disputes arising out of the contract, the jurisdiction of court shall be at Ranchi in the State of Jharkhand (INDIA) alone.

22. **General conditions of the contract** :Unless otherwise specified in the Terms & Conditions above, this order shall be governed by General conditions of contract of purchase of HEC Ltd, which is available in the web site of HEC.(www.hecltd.com)

Special .Note:

While submitting tender pl. mention your Registration No. with HEC as a registered vendor with valid paper.

If not pl. get registered your firm with HEC Limited immediately.

Please indicate whether your firm covered under MSES/MSES owned SC/ST or covered under SSI separately in Techno-commercial bid.

Please submit the form of Terms & Conditions duly filled in and signed by the tenderer along with your offer in technical bid.

Annexure B

Terms & Conditions:

SI No		HMT/HEC Requirement	Bidders confirmation
1	Price Terms (F.O.R. HMT) Inclusive of P & F charges, Freight and Insurance charges upto HMT Stores Ranchi (NIT clause NO:1)	FOR HMT Stores	
2	GST	To be quoted separately indicating HSN no of material and GSTN of firm	
3	Payment Terms (NIT clause NO:6)	Within 60 days after receipt of material at HMT Stores	
4	Validity of offer	3 months.	
5	Price variation clause	Not applicable	
6	Delivery Schedule (NIT clause NO:5)	12 weeks from PO date.	
7	L D Clause (NIT clause NO:7)	To be accepted	
8	Inspection (NIT clause NO:11)	To be accepted	
9	Test Certificate and Guarantee Certificate	To be provided by manufacturer.	
10	Guarantee (NIT clause NO:10)	12 months from the date of commissioning or 18 months from the date of supply whichever is earlier.	
11	EMD	Rs. 5000/=	
12	Tender Fee	Rs. 200/=	
13	Security Deposit (NIT clause NO:8)	5% of P.O. value	
14	PBG (NIT clause NO:9)	10% of order value valid till guarantee period.	
15	UDYAM CERTIFICATE if registered under MSME	To be mentioned by bidder if applicable	
16	Acceptance of Risk Purchase clause (NIT clause NO:12)	To be accepted	
17	General conditions of the contract (NIT clause No 22)	To be accepted	
18	Other Terms and Condition of NIT	To be accepted	

NOTE :-

1. Please indicate whether your firm is covered under MSEs/MSEs owned SC/ST or covered under SSI separately in Tech. Bid.
2. Terms & Conditions duly filled in and to be submitted along with Tech – Bid of offer otherwise your offer may not be evaluated.

(Somnath Chowdhury)
DGM I/C-MM Div.
Heavy Machine Tools Plant
Heavy Engineering Corporation Limited

Annexure- C

Format for BANK GUARANTEE FOR SECURITY DEPOSIT

(to be issued by any Nationalized bank preferably State bank of India negotiable at their counters in Ranchi)

TO,
M/S HEAVY ENGINEERING CORPORATION LIMITED
PLANT PLAZA ROAD, DHURWA, RANCHI – 4

Dear sir,

In consideration of your agreeing to accept the security deposit of rs.'amount'..... furnishable to you by m/s 'firms name'..... (hereinafter referred to as contractor) in terms of the contract no.'hec's purchase order no'.....for supply of 'details of items'.....(hereinafter referred to as the 'contract') in the form of a bank guarantee in the manner hereinafter contained we.....'bank details'..... branch, having registered office at 'place'..... do hereby covenant and agree with you as follows:

1. We hereby undertake to indemnify you up to a sum of rs.'amount'.....(rupees 'amount in words'.....) against any loss or damage caused to or suffered by you or that may caused to or suffered by you by reason of any breach or breaches on the part of the contractor of any of the terms and conditions contained in the said contract and in the event the contractor shall make any default or defaults in carrying out any of the works under the said contract or otherwise in the observance and performance of any of the terms and conditions relating thereto in accordance with the true intent and meaning thereof, we shall forthwith on demand and without any protest or demur pay to you such sum or sums not exceeding in total the said sum of rs.'amount'.....(rupees 'amount in words'.....) as may be claimed by you as your losses and / or damages, costs, charges or expenses by reason of such default or defaults on the part of the contractor.
2. Notwithstanding anything to the contrary contained in this guarantee your decision as to whether the contractor has made any such default or defaults and the amount or amounts to which you are entitled by reasons thereof will be binding on us and we shall not be entitled to ask you to establish your claim or claims or damages or losses suffered by you but will pay the amount demanded by you under this guarantee forthwith on your demand without any protest or demur.
3. This guarantee shall continue and hold good until it is released by you on the application by the contractor after expiry of the related warranty period of the said contract and after the contractor have discharged all their obligations under the said contract and produced a certificate of due completion of the work under the said contract and submitted a 'no demand certificate' provided always that this guarantee shall in no event remain in force after the date of ...'date'..... without prejudice to your claim or claims arisen and demanded from or otherwise notified to us in writing before the expiry of six months from the said date which will be enforceable against us notwithstanding that the same is or are enforced after the said date.
4. We 'bank name'....., further undertake to extend the validity of this beyond the period prescribed in clause 3 or as extended from time to time, for such further period as may be required in writing before the expiry of this and upon such extension(s), all terms and conditions of this shall remain in full force till the expiry of this extended period(s).
5. You will have the fullest liberty without affecting this guarantee from time to time to vary any of the terms and conditions of the said contract or extend the time of performance of the contractor or to postpone for any time or from time to time any of your rights or powers against the contractor and either to enforce or forebear to enforce any of the terms and conditions of the said contract and we shall not be released from our liability under this guarantee by the exercise of your liberty with reference to matters aforesaid or by

reason of any time being given to the contractor or any other forbearance , act or omission on your part or any indulgence by you to the contractor or by any other variation or modification of the said contract or any other act, matter or things whatsoever, which, under the law relating to sureties, would but for the provisions hereof, have the effect or so releasing us from our liability hereunder provided always that nothing herein contained will enlarge our liability hereunder beyond the limit of rs.'amount'.....(rupees 'amount in words'.....) as aforesaid or extend the period of the guarantee beyond the said date of ...'date'.... unless expressly agreed to by us in writing in terms of clause 4 hereof.

6. This guarantee shall not in any way be affected by your taking or varying or giving up any securities from the contractor or any other person, firm or company on its behalf or by the winding up, dissolution, insolvency or death as the case may be of the contractor.
7. In order to give full effect to the guarantee herein contained, you shall be entitled to act as if we are your principal debtors in respect of all your claims against the contractor hereby guaranteed by us as aforesaid and we hereby expressly waive all our rights of suretyship and other rights, if any, which are in any way inconsistent with any of the provisions of this guarantee.
8. Subject to the maximum limit of our liability as aforesaid this guarantee will cover all your claim or claims against the contractor from time to time arising out of or in relation to the said contract and in respect of which your claim in writing is lodged on us before expiry of six months from the date of expiry of this guarantee.
9. Any notice by way of demand or otherwise hereunder shall be in writing and may be sent by special courier, speed post or telefax to us at our local address as aforesaid.
10. This guarantee and the powers & provisions herein contained are in addition to and not by way of limitation of or substitution for any other guarantee or guarantees heretofore given to you by us whether jointly with others or alone and now existing uncanceled and that this guarantee is not intended to and shall not revoke or limit such guarantee or guarantees.
11. This guarantee shall not be affected by any change in the constitution of the contractor or us nor shall it be affected by any change in your constitution or by any amalgamation or absorption thereof or therewith but will ensure for the benefit of and be available to and enforceable by the absorbing or amalgamated company or concern.
12. This guarantee is irrevocable during the period of its currency and shall not be revoked without your previous consent in writing.
13. We further agree and undertake to pay you the amount demanded by you in writing irrespective of any dispute or controversy between you and the contractor or any reference to arbitration of the said dispute / controversy pending or a civil suit filed by the contractor in respect of the dispute or controversy.
14. Notwithstanding anything contained herein above our liability under this guarantee is restricted to rs.'amount'.....(rupees 'amount in words'.....) and this guarantee shall remain in force until 'date'.... unless a written claim is lodged on us for payment under this guarantee within six months from the date of expiry of this guarantee i.e. on or before ...'date' + '6 month'..... all your rights under this guarantee shall be forfeited and we shall be deemed to have released and discharged from all liabilities thereunder. irrespective of whether or not the original guarantee is returned to us.
15. We have power to issue this guarantee in your favour under the memorandum and articles of association of the bank and the undersigned has full power to execute this guarantee under the power of attorney granted to them by the bank. FOR AND ON BEHALF OF

'name of bank'
'signature with seal'

FORMAT OF PERFORMANCE BANK GUARANTEE

(TO BE STAMPED IN ACCORDANCE WITH STAMP ACT & TO BE ISSUED BY ANY NATIONALISED /SCHEDULED BANK AUTHORISED BY RBI TO ISSUE A BANK GUARANTEE)

Name of Equipment: ----- Guarantee NO-----

Purchase Order No.:----- dated: ----- Date:-----

Validity -----

Claim period-----

To:

M/s Heavy Engineering Corporation Ltd.
Heavy Machine Building Plant
Ranchi-834004 Jharkhand

In consideration of your having placed an order bearing Purchase Order No.-----dated:----- with-----

------(hereinafter referred to as Supplier) for the supply of-----

------(hereinafter referred to as the-----

We ----- do hereby agree with you irrevocably that, should the machinery and equipment fail to give the guarantee performance and achieve the efficiency as stipulated in the Purchase Order within the period of guarantee or should the material and/or workmanship of the machinery and equipment supplied or any part thereof be found defective and/or fully, as per the purchase order, we undertake to pay without any demur merely on demand a sum of Rs. -----

-----being 20% of the value of Rs. -----for the supply of -----

Your decision whether the supplier have made any such defaults and the amount to which you are entitled by reasons thereof shall be conclusive and bind on us, subject to maximum of Rs. ----- as aforesaid.

We-----further guarantee that the machinery and equipment manufactured and supplied by the supplier shall be new, of good quality materials and of the first class workmanship as specified in the Purchase order and should the machinery and equipment supplied or any part thereof be found defective and that should the defect as pointed out in inspection note be not made good and/or in case of failure within guarantee period same shall be replaced on free of cost or repaired on free of cost to the entire satisfaction of Heavy Engineering Corporation Ltd.

We -----agree that the guarantee herein contained shall remain in full force and effect till the machinery and equipment give the desired performance and it shall continue to be enforceable till your dues have been fully paid and claims satisfied or discharged subject to a period not later than----- . In the event of any extension granted for commissioning/dispatch suitable extension shall be given on your request.

We-----, further agree that any neglect, omission or forbearance or indulgence in enforcing any claim as per the terms and conditions of your purchase order or performance guarantee or any of them or any extension of the time granted for the performance or payment of penalty under the guarantee or any dispute between the supplier and yourselves as regard performance of machinery and equipment supplied or issued related to your Purchase order, shall not effect in any way our liability under this guarantee until the full payment, but in any case, shall not extend beyond-----.

This guarantee is in addition and not substitution for guarantee given to you by the seller or by their bankers on their behalf.

We----- lastly undertake not to revoke this bank guarantee during its currency except with the previous consent of the corporation in writing.

Notwithstanding anything to contrary stated above, our liability under this guarantee will be restricted to Rs.----- and shall remain in force up to -----, unless a demand or claim under this guarantee is made from the date i.e. on or before-----all your rights under the said guarantee shall be forfeited and we shall be released and discharged from all liabilities thereunder.Dated at ----- day of ----- Seal of the Bank

ELECTRICAL EQUIPMENTS

Equipment	Description	Qty.
215.EA1.01	CONTROL CUBICLE	01 Set

The Control Cubicle will be sheet steel clad, floor mounted, fully conforming to HMTP's plant standard P.S. 61.01.01G and rigid construction and specification as under:

Sr. No	Item Description	Remark
1	Enclosure IS: 2147	IP52
2	No. of compartments	2
3	No. of door per compartment	2 hinged lockable doors
4	Overall dimension (approx.)	W-1400.D-600.H-1850
5	Control and protective equipment	As per specification and Quantity given below
6	Layout and mounting of equipment	As per drg. No. 215/K30112-32
7	Internal wiring	Completely wired as per schematic drg. No. 210/K30111-33 and bought upto terminal blocks/connectors.
8	Coil voltage for contractor/time relays	240V, 50Hz unless otherwise specified.
9	Auxiliary contacts of power contactors	2NO+2NC unless otherwise specifies.
10	System condition	3-phase, 4 wire, 415V \pm 10%, 50 Hz \pm 3%
11	Site condition	Ambient temperature 50°C max. Humidity 90% Height <1000m above MSL.
12	Earth Bus	Earth Bus must be provided
13	Paint/Colour	POWDER COATED SIEMENS GRAY

Sl. No.	Designation	Description	Make	Qty.
1.	1F1	<u>THERMAL OVERLOAD RELAY</u> Triple pole thermal over load relay with single phasing preventor feature, manual resetting, individual mounting type of following rating Full load current rating 57-70A Type: 3RU1146-4KBO+3RU1946-3AA01	Schneider/ Siemens	1
2.	OH1,OH2 OH3,OH4	<u>PANEL LIGHT</u> Incandescent lamps 40W, 240V A.C. complete with all fittings.	Philips	4
3.	OH5,O56	<u>SIGNAL LAMP</u> LED cluster type, cutout ϕ 22.5mm, red colour lens, bulb suit for 24V Type: XB7EV04BPN	Schneider/ SIEMENS	2
4.	1H1	<u>HOOTER</u> Panel mounting type, input volt 240V AC size 4 inches	Kheraj/ Reputed	1
5.	OK1	<u>OFF DELAY TIMER</u> with timing range 0.1-30 secs. 1NO+1NC time delay contacts and 4NO instantaneous contacts, coil voltage 240V AC. Type : CAD – 50M7+LAD-R2	Schneider/ Siemens	1
6.	1K8	<u>ON DELAY TIMER</u> 0.1-30 secs. 1NO+1NC time delay contacts, coil voltage 240V AC. Type : CAD – 50M7+LAD-T2	Schneider/ Siemens	1
7.	1K1, 1K2	3-pole air break A.C. contactor rated for 185A, 500V A.C. with aux. contact 4NO+4NC rated 6A, coil voltage 240V AC with surge suppressor Type:LC1-F185+LX4-FG240+LA1-DN22+LA4FRCP+LA9D00981 (2 nos)	Schneider/ Siemens	2
8.	1K3 -1K4	Same as above but 80A rating Type : LC1-D8011M5+LADN22+LAD4RCU	Schneider/ Siemens	12
9.	1K10,3K3,2K3	Same as above but 9A rating Type : LC1-D0910M7+LADN22+LAD4RCU	Schneider/ Siemens	3
10.	2K1,2K2,3K1, 3K2,4K1	Same as above but 12A rating Type : LC1-D1210M7+LADN22 + LAD4RCU	Schneider/ Siemens	5
11.	1K5,1K6 Spare (3)	Auxiliary air break AC contactor, rated 6A, 500V, 50Hz complying with IS: 2959 with 6NO+2NC contacts and coil rated 240V AC each air break AC contactor should be complete with RC network for use with AC coils to suppress switching surges. Type : CAD50M7+LADN22+LAD4RCU	Schneider/ Siemens	5
12.	1K7,1K9,1K11	Same as above but 4NO+4NC contact blocks. Type : CAD32M7+LADN22-LAD4RCU	Schneider/ Siemens	3

Sl. No.	Designation	Description	Make	Qty.
13.	OQ1	MOULDED CASE CIRCUIT BREAKER 3-Pole , manually operated circuit breaker with following features with front drive and Panel mounting. Nominal current rating - 200A Rated voltage - 500V AC Breaking capacity - 50KA Thermal over load release – adjustable S.C. magnetic release - 525 to 1400A U.V. release coil - 240V, 50Hz Aux. contact rated 6A - 1 c/o Type – LV431831+29450+LV429407+LV429337	Schneider	1
14.	OQ3	MINIATURE CIRCUIT BREAKER C-series ,braking capacity – 6kA, 1-pole and aux. contact Current rating – 4A Type- A9N1P04C+A9N26924	Schneider/ Siemens	1
15.	OQ5	Same as above but rating – 10A TYPE- A9N1P10C+A9N26924		1
16.	OQ7	Same as above but rating – 6A TYPE- A9N1P06C+ A9N26924		1
17.	OQ2, OQ6	Same as above but 2-pole and rating – 6A TYPE- A9N2P06C+ A9N26924		2
18.	OQ4	Same as above but 2-pole and rating – 16A TYPE-A9N2P16C+ A9N26924		1
19.	1Q1	MOTOR PROTECTION CIRCUIT BREAKER Triple pole motor protection circuit breaker, rated for 16A 500V 50HZ, with electromagnetic short circuit protection and bimetal over load protection as given below with 1NO+1NC auxiliary contacts, O/L setting – 57 – 75A Type – GV3ME80+GV3A01	Schneider/ SIEMENS	1
20	1Q2, 2Q1, 3Q1	Same as above but O/L Setting – 2.5-4A TYPE-GV2ME08+GVAE11		3
21	1Q3	Same as above but O/L Setting – 1-1.6A TYPE-GV2ME06+GVAE11		1
22	1Q4	Same as above but O/L Setting – 0.16-0.24A TYPE-GV2ME02+GVAE11		1
23	2Q2,3Q2	Same as above but O/L Setting – 0.4-0.63A TYPE-GV2ME04+GVAE11		2

24	4Q1	Same as above but O/L Setting – 6-10A TYPE-GV2ME14+GVAE11		1
25	OS1	Push button green normal actuator, 1NO+1NC contact block. Type : XB5AA31N+ZBE102N	Schneider/ Siemens	1
26	OS2	Emergency Stop Push Button Red mushroom head actuator, stay put turn to release type with 1NO+1NC contact. Type – XB5AS542N+ZBE101N	Schneider/ Siemens	1
27	OS5,OS6 OS7,OS8	Door limit switch momentary contact type in open execution with 1NO+1NC CONTACT RATED 6A, 500V AC, plunger operated and suitable for panel mounting. Type : 3SE3020-0A	Schneider/ Siemens	4
28	OS9	Two position selector switch black actuator, maintained type with one change over contact rated 6A, 500V AC, base mounting type with wing knob and index plate “DOOR INTERLOC” “ENABLE” AND DISABLE” for the two position, mounted inside the cubicle. Type : - XB5AD21N+ZBE102N	Schneider/ Siemens	1
29	OT1	Single phase control transformer 500VA capacity having primary winding taps for 380V, 400V, 415V & 440V and secondary winding with 0-240V. Conforming to IS: 12021-1987	Indushree/ Trangitz	1
30	OT2	Same as above but of 2000 VA capacity and sec. volt 0- 240V		1
31	OT3	Same as above but with secondary 0-24V, and rating 500VA		1
32	1T1	Current Transformer Suitable for 1P1 ammeter, 100/5A 7.5 VA, class C.	MECO/AE	1
33	2U1,3U1	Electronic controller for CENLUB control, panel mounting type, Supply voltage 240V AC Type : ECC1002XP	CENLUB	2
34	OX1	Plug & Socket 2-pin and earth rated 5A, 250V AC with ON/OFF switch	ANCHOR	1
35		TERMINAL BOARD Containing standard clip – on type terminal complete with all fittings as per schematic diagram.	Elmex/ Tosha/ Connectwell	1 set

Equipment	Description	Qty.
215.EA1.02	CARRIAGE CONTROL PANEL 1	01

This will be totally enclosed sheet steel clad conforming to our PS 61.01.01G having one hinged door. Following control gears will be mounted on an anodized aluminum index plate and this will be fixed on the door as per layout drg. 210/k31007-31(Sheet 1 of 2). Those items, which are under HMTP scope of supply will be mounted and wired up at HMTP. All the components will be wired up as schematic drg. No. 210/30111-33 up to the term block/Connectors.

Sl. No.	Designation	Description	Make	Qty
1	-	Index plate As per drg. No. 210/K31008-21 Size – 320mmX300mm, thickness – 4mm		1
2	1H3	Signal Lamp Cluster LED, Green colour lense cutout size 22.5mm dia, Supply voltage 24V AC Type : XB7EV03BPN	Schneider/ Siemens	1
3	1P1	AC ammeter 96x96mm size square flush mounted with moving coil mechanism calibrated in amps 0 to 100A with suppressed scale 100 to 200A, 240 degree deflection for measurement of actual Headstock motor current, fed by 100/5A CT.	MECO/AE	1
4	OS10,1S1 2S1,4S1	2-position selector switch wing knob operated suitable for panel mounting and 60 deg. Indexing & contact rated 6A, 250V AC suitable for 22.5mm cut out. Black colour Type : XB5AD21N+ZBE102N	Schneider/ Siemens	4
5	1S8	3-position selector Switch Maintained, wing knob operated , 45° indexing angle, block colour, contact rated 6A 250V AC program as per schematic drg. Type : XB5AD33N	Schneider/ Siemens	1
6	OS4	Emergency Push Button Red mushroom actuator,stay put type turn to release with 1NO+1NC contact block Type : XB5AS542N+ZBE101N	Schneider/ Siemens	1
7	1S2,1S3	Push button green colour normal actuator, rated 6A, 500V AC with 1NO+1NC contract block Type : XB5AA31N+ZBE102N	Schneider/ Siemens	2
8	1S4	Same as above but red colour Type : XB5AA42N+ZBE101N	Schneider/ Siemens	1
9		Terminal block with all fittings as per schematic diagram.	Elmex/ Tosha/ Connectwell	1 Set

Equipment	Description	Qty.
215.EA1.03	CARRIAGE CONTROL PANEL 2	01

This will be totally enclosed sheet steel clad conforming to our PS 61.01.01G having one hinged door. Following control gears will be mounted on an anodized aluminum index plate and this will be fixed on the door as per layout drg. 210/k31007-31(Sheet 2 of 2). Those items, which are under HMTP scope of supply will be mounted and wired up at HMTP. All the components will be wired up as schematic drg. No. 210/30111-33 up to the term block/Connectors.

Sl. No.	Designation	Description	Make	Qty
1	-	Index plate As per drg. No. 210/K31008-21 Size – 320mmX300mm, thickness – 4mm		1
2	1H5	Signal Lamp Cluster LED, Green colour lense cutout size 22.5mm dia, Supply voltage 24V AC Type : XB7EV03BPN	Schneider/ Siemens	1
3	1P2	AC ammeter 96x96mm size square flush mounted with moving coil mechanism calibrated in amps 0 to 100A with suppressed scale 100 to 200A, 240 degree deflection for measurement of actual Headstock motor current, fed by 100/5A CT.	MECO/AE	1
4	OS11 5S1,4S2	2-posiiton selector switch wing knob operated suitable for panel mounting and 60 deg. Indexing & contact rated 6A, 250V AC suitable for 22.5mm cut out. Black colour Type : XB5AD21N+ZBE102N	Schneider/ Siemens	4
5	OS4A	Emergency Push Button Red mushroom actuator,stay put type turn to release with 1NO+1NC contact block Type : XB5AS542N+ZBE101N	Schneider/ Siemens	1
6		Terminal Block with all fittings as per Schematic diagram	Elmex/Tosha/ Connect well	1 Set

Equipment	Description	Qty.
215.EA1.04	HEAD STOCK CONTROL PANEL	01

This control panel will have following items mounted on an aluminum index plate as per drg. no. 210/K32007-31A and will be wired up as per schematic drg. no. 210/K30111-33

Sl. No.	Designation	Description	Make	Qty
1	-	Index plate As per drg. No. 210/K32007-31		1

2	1H2	Signal lamp for 24V AC cluster LED type, green colour lense cut out dia 22.5mm. Type : XB7EV03BPN	Siemens/ Schneider	1
3	1H4	Same as above but red colour lense. Type : XB7EV04BPN		1
4	OS3	Emergency Push Button Red mushroom actuator, stay put turn to release with 1NO+1NC contact block. Type : XB5AS542N+ZBE101N	Siemens/ Schneider	1
5	1S5,1S6	Push button green colour normal actuator, rated 6A, 500V AC with 1NO+1NC contract block Type : XB5AA31N+ZBE102N	Siemens/ Schneider	2
6	1S7	Same as above but red colour Type : XB5AA42N+ZBE101N	Siemens/ Schneider	1

Equipment	Description	Qty.
215.EA1.05	<u>TAIL STOCK CONTROL PANEL</u>	01

This control panel will have following items mounted on an aluminum index plate as per drg. no. 210/K34008-31 and will be wired up as per schematic drg no. 210/K30111-33.

Sl. No.	Designation	Description	Make	Qty.
1	-	Index plate As per drg. No. 210/K34008-31 Size – 180mmX105mm, 4mm thick		1
2	3S1,3S2	Push button green colour normal actuator, rated 6A, 500V AC with 1NO+1NC contract block Type : XB5AA31N+ZBE102N	Siemens/ Schneider	2
3	3S3	Same as above but red colour Type : XB5AA42N+ZBE101N	Siemens/ Schneider	1

Equipment	Description	Qty.
215.EA1.10	LIST OF COMMISSIONING SPARES	01 set

SN	Description	Qty.	HEC Mat.Code	Remarks
1.	Signal lamp			
	1.1 Cluster LED type 22.5mm, green colour	2 nos.	-	-
	1.2 Cluster LEDs type, 22.5mm, red colour	2 nos.		
2.	Push button			
	with 1NO+1NC contact block	2 nos.	-	-
	2.1 normal green colour			
	2.2 normal red colour	2 nos.		
3.	Aux. contactor	4 nos.	-	-
	5NO+3NC coil voltage 240V AC			

Note : Type no. to be furnished against each item along with the offer.

Spare must be same as offered in Control Cubicle and Control Panel.



Supply Pre Qualifying Criteria.

Bidder's Scope :

- i) The Bidder/Supplier/Party should be either OEM or their valid authorized Industrial channel Partner/Manufacturer/Ancillary/Dealer towards either exclusively for this tender or open to all tenders for which valid documents is to be produced at the time of submission of offer.
- ii) The Bidder/Supplier/Party shall furnish the detail catalogue of the product for which technical specification is required.
- iii) The Bidder/Supplier/Party should submit the similar product supply proof either supplied to Government, CPSE's, State PSU or any other reputed firm/agencies in the last five years.
- iv) At the time of delivery of material the successful bidder should submit 03 sets of drawing as well as instruction manual.
- v) Pre-dispatch inspection call to be provided. In case of pre-dispatch Inspection waiver the same has to be carried out at the destination jointly within one week from receipt of material.
- vi) At the time of delivery of consignment the bidder should submit the OEM product test certificate OR Govt. approved Laboratory Test Certificate.
- vii) The bidder/supplier/party should have valid MSME/SSI/NSIC as applicable .
- viii) The bidder/supplier/party should have valid registration of GST or any other valid statutory document.
- ix) The bidder/supplier/party can submit the offer item wise.
- x) The Organization reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified bidder/supplier/party to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
- xi) After awarding LOI/PO , within a week time , the respective drawing has to be provided to the organization for checking/correction/vetting & subsequent approval as applicable .
- xii) The bidder/supplier/party not to disclose drawings to any other agency without prior approval from the concerned department/authority.
- xiii) The organization shall never compromise with the quality and for which genuineness of material certificate shall be produced (ie. raw material test certificate and its source) etc as applicable .
- xiv) No deviation is permissible without prior approval.
- xv) The bid submitted shall become invalid if :
 - 1) The bidder/supplier/party is found ineligible.
 - 2) The bidder/supplier/party does not deposit original EMD to the office of I/C-(MM).
 - 3) The bidder/supplier/party does not attach/upload/enclose all the documents (**including GST registration**) as stipulated in the bid document **including the scan copy of the EMD .**
 - 4) The copy of above documents (Sl No. (i) to (xiv) of PQC) and the duly signed Pre-Qualification document along with earnest money deposit receipt are not uploaded.
- xvi) Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
- xvii) List of Documents to be scanned and uploaded within the period of bid submission:
 - 1) Demand Draft/ Pay Order or Banker's Cheque /Deposit at call Receipt/ Bank Guarantee of any scheduled Bank against EMD (All drawn in favor of the Heavy Engineering Corporation Ltd., Ranchi).
 - 2) Photocopy/scan copy of original EMD /MSME certificate of valid class & category has to be submitted in hard copy. (EMD exemption is allowed for the MSME registered firms (as on last date of submission of bid) having valid registration of the required class of work.
 - 3) Certificate of Registration of GST/TDS and any other statutory documents.
 - 4) Any other document as required during analysis of tender about the short comings.