

**TENDER DOCUMENT**

**FOR**

*Rectification of Quenching Car and Transportation of Gate of Quenching Car at DSP Durgapur.  
(Package No.- 4 of COB#5)*



**AN ISO 9000 COMPANY**

**TENDER NO:HMB/Mktg./DSP/Coke Quenching Car/2018-1050 Dated 05.10.2018**

**HEAVY ENGINEERING CORPORATION LIMITED**  
**MARKETING DIVISION/HMBP**  
(A Government of India Enterprise)  
RANCHI – 834 004

**Ph.: (0651) 2401204 , 2401438, Fax : 0651-2401166/2401571**

## INFORMATION

Open Tender is invited for the work Rectification of Quenching Car and Transportation of Gate of Quenching Car at DSP Durgapur. (Package No.- 4 of COB#5).

Contact person :-

**1. Sri Alok Ranjan**  
Dy.Mngr/Mktg.

**2. P.K Ram**  
Asstt. Manager/Mktg.

**Phone 0651-2400988, 2401200**  
**Room No. 64, 2nd Floor.**  
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**Heavy Engineering Corporation Ltd.,**  
**Ranchi – 834 004 (Jharkhand)**  
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**E-mail – [pkram@hecltd.com](mailto:pkram@hecltd.com), [alokranjan@hecltd.com](mailto:alokranjan@hecltd.com)**

**Sealed offers are to be submitted in three parts i.e.**

Part A – EMD

Part B- Techno commercial bid.

Part C – Price Bid.

Part- A (EMD) & Part -B (Techno commercial bid), Part C –( Price Bid):-

Offers shall be in separate sealed covers. The tenderer are to clearly super scribe on the top of each envelope the relevant part number and description along with tender reference number and date of opening. All the envelopes (Part A, B & Part C) shall be enclosed in one envelope. This envelope shall also be super scribed on the top with tender reference number and date of opening of enquiry and indicating that the parts (Part A, B & Part C) are enclosed in the envelope.

**EMD amount:**

Rs.5,000/- (Rupees Five thousand only) payable by DD in favor of  
“Heavy Engineering Corporation Ltd” Payable at “State Bank of India, Hatia”

**Cost of tender paper:**

**Rs.250/- (Rupees Two Hundred Fifty) only payable by DD in favour of**  
**“Heavy Engineering Corporation Ltd” Payable at “State Bank of India, Hatia” (Code No. 0207)**

Last date of submission of tender: --- **Up to 10.30 PM on 29.10.2018.**

Tender Opening date: --- **At 03.30 PM on 29.10.2018.**

The tender documents are divided in two sections.

Section [A] - TECHNICAL SPECIFICATION Pg 11 - to - 14

Section [B] - COMMERCIAL TERMS AND CONDITIONS Pg 15 - to - 20

## DEFINITIONS

1. Prime Contractor : Heavy Engineering Corporation Limited, Ranchi
2. End Customer : Durgapur Steel Plant, SAIL, (W.B)
3. Contractor/Bidder: The successful bidder to whom the assignment/contract will be awarded.
4. For any clarification contact person:, **Mr. Alok Ranjan, Dy. Mgr/Mktg. , ADM Building HMBP, HEC Ltd., Ranchi – 834004.**

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## Chapter – 1: GENERAL

### 1.1 INTRODUCTION

Coke Quenching Car 02 nos. for rebuilding of Coke Oven Battery no. 5 at DSP, Durgapur were supplied to DSP, Durgapur by HEC, Ranchi.

1<sup>st</sup> car has been erected and the same was under operation for 03 months. Due to failure of liners of Gate of the Quenching car the same is lying idle since last 6 months. All the liners of 1<sup>st</sup> quenching Car is to be replaced by the new liners supplied to DSP, Durgapur by HEC. The liners are available at DSP site.

The Gate of the 2<sup>nd</sup> Car got damaged during erection of the same and this damaged gate is required is required to be loaded along with Frame (with Liners) for transportation to HEC works and unloaded after rectification and dispatch by HEC, Ranchi at DSP. The transportation will be arranged by HEC, however loading and unloading of the same will be in the scope of contractor.

### BROAD SCOPE OF WORK

#### Rectification of Coke Quenching Car of DSP, Durgapur

##### i) Quenching Car Sl. No.1

1. Preparation of site for rectification work.
2. Removal of all liner plates from door by removal of screw head bolts.
3. Taking measurement & Fabrication of back supports (keeping Material in Contractor's Scope).
4. Erection & welding of structural back support.
5. Installation of MS liner plates and fixing by screw bolts.
6. Checking and handing over.

##### ii) Quenching Car Sl. No.2

1. Loading of Material (Frame and Gate of Quenching Car along with the liners) for transportation to HEC.
2. Unloading of rectified "Frame and Gate of Quenching Car along with the liners".

**Any item and work not specifically mentioned but essentially required for completion of job shall also be construed to be included in the scope of work.**

- a) The detailed scope of work under this work order will generally include the following apart from specifically indicated as above for the specific equipment's as per the drawing, document and manuals to be supplied by the manufacturer/HEC.
- b) Mobilization of labour, suitable mobile crane, tools and tackles, lifting and handling equipment, testing equipment and consumables etc.
- c) **Contractors are advised to visit site before quoting so that they are acquainted with site conditions and requirements.**
- d) The contractor shall arrange for handling and transportation of items / components from own store to the erection site as per the requirement of rectification.
- e) The Contractor shall be responsible for arrangement of adequate material handling equipment like mobile cranes, trucks, trailers, fork lifters, tools and tackles as may be required for his work.
- f) The necessary lifting tackles, tools, wire rope, slings of suitable capacities and other equipment to carry out this work shall be arranged by the Contractor. All such lifting tackles shall have valid test certificates. These certificates may be inspected by the Purchaser or any statutory agency from time to time.
- g) The Contractor shall be responsible for all damages to his trucks/ trailers/ cranes which may take place during the course of execution of work.
- h) Supervision of erection, testing and commissioning of equipments.
- i) Earthing of various electrical equipment (if any).
- j) Supply of all consumables for rectification purpose like welding electrodes, PVC Tapes, grease and lubricants cotton waste etc.
- k) Supply and provision of packing plates shims up to thickness 3-8 mm etc. required during erection and alignment of motors, brakes etc.

## **1.2 GENERAL INSTRUCTION TO TENDERER**

- i) Tenderer should visit to have better understanding of the requirements.
- ii) Tenderer should have experience in similar work (rectification). Tenderer should submit documents (Work Order and Completion Certificate) of experience for similar jobs executed.
- iii) Tenderer should submit **balance sheet of last 3 years**
- iv) Tenderer shall quote their price in **price format enclosed in Annex-A.**
- v) Inspection & testing shall be carried out in presence of Successful Tenderer/HEC/ DSP, Durgapur/Third Party Inspection agency on the basis of drawings, specification & latest Indian standards & Quality assurance Plan.
- vi) Successful tenderer shall not let-off the contractor part thereof to any sub-contractor without written permission of DSP, Durgapur/HEC. In case, subletting of any part of the work is permitted by DSP, Durgapur, the fact that such permission has been accorded, neither shall establish any contractual relationship between Sub-Contractor & DSP, Durgapur nor shall release

the contractor from any of his obligations and liabilities under the specific and applicable contract.

- vii) Successful tenderer shall clearly indicate deviations if any from the tender document so that same can be considered during tender evaluation.
- viii) Successful tenderer shall clearly indicate the assumption made in respect of specification, date or any other details that have not been mentioned in the tender document but considered necessary for meeting the specified functional requirements.
- ix) Once the work order is placed on the successful Tenderer within the validity period of his offer the awarded price shall remain valid throughout the entire period of the contract in terms of conditions stipulated in G.C.C. of HEC.
- x) Approval of various procedures submitted by the successful tenderer shall not relieve him of his responsibilities towards completion of the work as defined in the contract.
- xi) The Tenderer must have a valid electrical Tenderer's license issued by the concerned state government. Tenderer should have in his employment sufficient number of electricians and supervisors holding valid license.
- xii) The Tenderer shall indicate his requirement of electrical power for erection purpose. Subject to the availability, the power shall be supplied at one point of erection site on cost/free basis as per DSP, Durgapur rules. The Erection Tenderer shall carry out further distribution to different points. The power normally shall be supplied at 415V, 50Hz. AC.
- xiii) All the equipments structures mechanical and electrical equipment shall be stored and handled in such a manner that they are not subjected to damage or excessive stress due to mishandling and environmental condition.
- xiv) The successful tenderer shall be solely responsible for obtaining necessary clearance from various statutory bodies during execution of the work.
- xv) The Tenderer shall carry out the work in accordance with relevant IS standards, and drawings, data, information, instructions furnished by the HEC/DSP, Durgapur. The testing and commissioning of the equipments shall be done in presence of the representative manufacturer and DSP, Durgapur.
- xvi) The Tenderer has to carry out the work in such a manner that it does not affect the operation of the plant/shop. If other Tenderer is also engaged on the same work site for other jobs, the Tenderer shall work in close co-operation with them. The Tenderer shall get himself acquainted with the prevailing working conditions, practices and arrangement at the plant site, failure to do so shall not relieve him of his responsibility of correct interpretation and execution of the work involved.
- xvii) While conducting test on the equipments, the Tenderer shall not be held responsible for any manufacturing defect but shall be held **responsible for defective workmanship carried out during the rectification work**. The Tenderer shall arrange for slings, wire ropes, pallet to support test load wherever necessary, stop watches and other necessary equipment/instrument to carry out the work. The Tenderer shall arrange necessary equipment and light fittings with lamps and other accessories to adequately illuminate his work site. Maintenance of light fittings and replacement of fused lamps shall be Tenderer's responsibility.

- xviii) After completion of the work, the Tenderer shall promptly remove from the premises everything brought in by him and shall leave the premises in an acceptable clean condition.
- xix) The Tenderer shall furnish daily progress report in an agreed format to HEC site office to monitor the progress of erection work.
- xx) During course of rectification work the Tenderer shall strictly follow all the safety norms/rules and regulations and shall abide by all the statutory rules and regulations.
- xxi) The Tenderer shall make his own arrangement for alternative power in case DSP, Durgapur is not able to supply construction power.
- xxii) Necessary drawings and documents required for rectification made available to the Tenderer and which shall be return after completion of the scope of work.
- xxiii) Tenderer should follow the safety rules and regulation as per DSP/SAIL requirements. Deputation of Safety Officer, training of workers in safety etc. are in the scope of tenderer.
- xxiv) HEC Management has right to change/add/ remove any clause, terms & condition in any further stage if required.

#### **1.4 Rectification**

1. Rectification also involves assembly of equipments parts components as per approved drawings.
2. During rectification, the steel work/equipment shall be securely bolted or properly fastened and when necessary shall be temporarily braced to take care of all loads transferred to the structure during erection including those due to erection equipment and its operation.
3. No permanent bolting or welding should be done until proper alignment has been made.
4. Rectification of the Quenching Car shall be carried out in a manner so as to ensure stability of the equipment.
5. The contractor shall be held responsible for the assembly of the equipment parts within the required accuracy. The dimension, of the mechanisms rectified shall be within the tolerances as specified. All materials shall be straight unless required to be of curvilinear form and shall be free from twists. All cold straightening shall be done by pressure only.
6. As far as possible sub-assembly if any should be carried out on the ground.
7. Instrumental checking for correctness of alignment of the Gear Box, Rope Drum etc. shall be carried out by the Contractor. The necessary instrument shall be arranged by the Contractor.
8. Bolting at site shall be carried out with the same accuracy and care as those adopted in the shop. When parts are to be joined by bolts, these shall be tightened to the maximum limit. The threaded portion of each bolt shall project through the nut by at least one thread. Bolts shall be fitted with spring washer. Where fitted bolts are required, new bolts shall be used with holes re-reamed to the required tolerances.
9. WELDING- All field assembly and welding shall be executed in accordance with the requirements for shop fabrication. Electrodes used for welding shall be low hydrogen type. Only qualified welders shall be employed to carry out welding process. The welding shall be uniform



and free from defects like slag inclusion, blow holes porosity, cracks, under cuts etc. There shall not be over lapping or undercutting of the parent metal.

10. Rectification/erection of the electrical and mechanical equipment shall be carried out as per approved erection instructions/documents. Proper care shall be taken so that no chance of damaged due to faulty or carelessness. The Purchaser decision shall be final regarding any damage due to wrong rectification or faulty procedure and the entire cost of replacement of the damaged part shall be borne by the Contractor.

## **1.5 ACCEPTANCE CERTIFICATE**

- i. The Contractor shall inform sufficiently in advance regarding readiness of acceptance tests and commissioning.
- ii. The test shall be carried out in presence of the HEC & DSP authorized representative.
- iii. After rectifications made of equipment, visual inspection will be jointly made by the Contractor, manufacturer and the Purchaser. The defects and short-comings found during visual inspection shall be rectified by the Contractor.

## **1.6 TIME SCHEDULE**

HEC Ltd has already supplied Quenching Cars at site and is at COB#5 site. It is desired that work should complete within **15 days** after issue of work order to the successful tenderer. Our end customer has right to provide us machines as their own convenience and their maintenance schedule. The tenderer should have to complete the scope of work as per given schedule. The successful tenderer shall be solely responsible for obtaining necessary clearance from various statutory bodies during execution of the work. Contractor has also responsibility for getting necessary approval/clearance for rectification work of Quenching Car from DSP, Durgapur.

## Chapter – 2: TECHNICAL SPECIFICATION

### 2.1 BRIEF DESCRIPTION AND CHARACTERISTICS OF QUENCHING CAR:

The Quenching car will be required to perform the following functions at the discharge side of the Battery in conjunction with Electric Loco:

- To receive hot coke from the Battery through the guide cage of Guide car.
- To transport the hot coke to the quenching tower for quenching.
- Carry out quenching operation.
- To transport & discharge the quenched coke on to the coke wharf.
- Quenching car will preferably be so designed that it would also be possible to operate the same along with the DSP's existing Quenching car Locomotives.
- The existing Quenching Tower of Battery no. 5 is being modified with improved quenching facility at the same location. The top and side quenching has been envisaged in the proposed battery. The Quenching car will be compatible with the new quenching facility, the detail of which will be made available after completion of basic engineering of the Quenching Tower. The car will be designed based on the quenching system being provided to limit the moisture content of quenched coke to less than 5% after coke cutter. The overall height of the car will be less than that of the loco.
- Machine Data

The Quenching car will be designed to conform with the following requirements:

Weight of Quenching car	-	65T( approx)
Track rail size	-	52 kg/m
Track Gauge	-	1676 mm
Gradient	-	Level
Curvature	-	Nil

### TECHNICAL PARTICULARS OF COKE QUENCHING CAR

SL. NO.	DESCRIPTION	OFFERED SPECIFICATION	REMARKS
1.	Type of Coke Quenching Car	Top & Side Quenching	
2.	Give over all dimension (Lmax X Bmax X Hmax) Centre to centre distance between auto couplers Inside length of the body	18500x4300x4675 18338 mm 15240 mm	
3.	Capacity of the Quenching Car	20t	
4.	Total weight of the machine	65 t	

5.	Total no. of wheels and maximum wheel load	8nos., 10t	
6.	Quantity & type of travel bogies	2 nos., Casnub	
7.	Type of rail & Rail gauge	52kg/m, 1676mm	
8.	Diameter of travel wheels	950 mm	
9.	Angle of inclination of the floor	28 <sup>0</sup>	
10.	Material of the body frame & body	MS	
11.	Material of various lining plates	1% Chromium casting	
12.	Design of gate opening device	Pneumatic Controlled	
13.	Design of coupler for connection to loco	Draw bar hook with screw coupler and safety chain- IRS type	
14.	Minimum gate opening	700 mm	
15.	Whether two gates have independent mechanism for opening & closing.	Yes	
16.	Maximum time taken by the gate for the required opening	3 Secs	
17.	Height of end buffers above rail level	1105mm	
18.	Type & make of buffers provided on under carriages	Spring Loaded, IRS type	
19.	Whether jacking pads provided and location of the pads.	Yes, Location will be decided during DE	
20.	Provisions envisaged for removal of wheel of the individual bogie.	Yes , Wheels with axle can be removed	

## 2.2 Rectification Process:

- a) The rectification to be done in proper sequence to ease subsequent mounting, alignment, assemblies & subassemblies and safety of man & equipment.
- b) Proper safety measures to be taken as to avoid accidents that may cause damage to material and injury to persons working.
- c) Earthing of various electrical equipments of to be done properly.
- d) All Quenching Car structures, mechanical and electrical equipment shall be handled in such a manner that they are not subjected to damage or excessively stressed due to mishandling and / or environmental conditions.
- e) The contractor shall carry out the work in accordance with relevant IS, IPSS standards, Indian electricity rules and the drawing data information, instructions furnished by the manufacturer.
- f) The contractor shall arrange slings, wire ropes, cradles to support test load wherever necessary, stop watches and other necessary equipment/ instrument to carry out the work.

- g) Acceptance Test parameters to be achieved by the contractor during PG and acceptance test. The alignment & assembly should be such that all the technical parameters as given in the drawing are properly met.
- h) Contractor has to rectify small defects observed during rectification of machine without claiming it as extra work.
- i) All type of small rectification work may be considered in scope of work and no extra charges for the same should be claimed by the contractor.

## **2.3 INSPECTION & TESTING**

The tenderer shall conduct all tests required to ensure that the equipment furnished shall confirm to requirement of the specification and in compliance with the requirements of the applicable codes. Necessary test certificate shall be submitted.

## **2.4 TESTS AT SITE BY ERECTION CONTRACTOR**

The Quenching Car after rectification shall be tested as given below:

- a) **No Load test:**  
After completion of rectification, car shall be tested with no load to check the performance of the car.
- b) **Performance Test:** The car shall be tested with rated load for performance of machine with loaded condition.

The car shall be offered for inspection and testing during different stages of its rectification.

## **2.5 ACCEPTANCE TEST:**

- a) The contractor shall inform sufficiently in advance regarding readiness of acceptance tests.
- b) The tests shall be carries out in presence of the HEC representatives. HEC further may invite Customer's representative and consultant's representative.
- c) After rectification of Quenching Car has completed, visual inspection will be jointly made by the contractor, manufacturer and the purchaser (HEC). The defects and shortcomings found during visual inspection shall be rectified by the contractor.

## 2.6 List of Drawings & Documents

The referential G.A drawing of the Equipment is as detailed below.

<b>S.No:</b>	<b>HEC Drawing NO.</b>	<b>Description</b>
<b>1</b>	<b>1504.27.001</b>	<b>G.A. of Quenching Car.</b>

## CHAPTER-3

### COMMERCIAL TERMS & CONDITIONS

#### 3.1 GENERAL INFORMATION TO TENDERER

- a) All correspondences/ documents made by the tenderer shall be in English Language and the data/measurement related results in Metric Units only, unless otherwise specified.
- b) Tenderer shall quote as per performa. If any part / portion of scope are excluded from his offer, the same shall be brought out clearly in the offer and the quotation of the tenderer may be liable to get rejected.
- c) Tenderer shall submit credentials of past works done.
- d) During the course of execution of the contract, the department has the right to award additional work or deletion of work or advise removal/ repair /re-fabricate the work already executed. Under the above situation, the Tenderer shall agree for addition/ deletion of the works and such variation is limited to  $\pm 10\%$  of the order value.
- e) Technical specifications, drawings and bill of materials to be the basis of content of work, assignment and defining responsibility. Tenderer may suggest any improvement for the betterment of the operation of the system, which shall be reviewed by HEC and appropriate action should be taken.
- f) The offer shall clearly indicate any assumption made in respect of specification, data or any other details that have not been mentioned in this tender but considered necessary for meeting the specified functional and duty requirements. Any such assumptions not indicated during tendering stage, will not be binding on HEC.
- g) Approval of various procedures submitted by the successful tenderer shall not relieve the tenderer of his responsibilities towards completion of work as defined in the contract. During the course of execution, if any additions/ alterations are found necessary and intimated to the tenderer before fabrication/installation of the equipment, the same shall be implemented by the tenderer without any extra cost.
- h) All necessary facilities including tools, tackles, safety appliances, measuring & testing equipment/ instruments, accessories & material handling equipment, etc. shall be provided by the successful tenderer to enable stage wise inspection of the system during erection, testing & commissioning at site.
- i) The Successful tenderer shall be solely responsible for obtaining necessary clearance from various statutory bodies including those of Central & State Government, as applicable, during the course of manufacture / fabrication, testing, transportation, erection and commissioning of the equipment at site.

#### 3.2 CONTRACT PRICE

In accordance with Scope of Work & Services indicated in technical specifications of the tender paper the tenderers are to furnish their offer in the format given at **Annexure – A**.

### **3.3 PRICE BASIS**

- a) **The basic price to be indicated for total equipments. All taxes & duties, levies, royalty, cess, including works Contract tax and surcharge there on if any, as applicable in the state and insurance charges for storage cum Erection etc. to be shown separately in the given Performa.**
- b) Contract Price shall remain firm and binding and shall not be subject to any escalation on any account whatsoever except for statutory variations of taxes & duties within contractual completion. Reimbursement will be made against submission of documentary evidences.
- c) The Contract Price stated in above shall includes special tools & tackles, instruments, appliances for erection, operation and maintenance, etc. till erection, testing.
- d) The contract Price includes cost of storage-cum-erection insurance, handling of materials, storing, conservation and re-conservation fees and all expenses of the Contract.

### **3.4 TERMS OF PAYMENT**

- a) 100% of order value on issuance of work completion certificate by DSP/HEC towards Changing of Liners.
- b) 100% of order value on issuance of work completion certificate by DSP/HEC towards Transportation.

(Payments will be made on Running bill basis on certification of the works by HEC site engineer and as per GCC of HEC). Statutory payment shall be made subject to submission of challans/documents.

### **3.5 PAYING AUTHORITY:**

Finance Department  
Heavy Machine Building Plant,  
Heavy Engineering Corporation Limited,  
Ranchi- 834004

**The R. A. bill to be submitted (in Quadruplicate) with proper documentation.**

### **3.6 GENERAL CONDITION OF CONTRACT**

Bidders shall abide by the General condition of contract of Heavy Engineering Corporation Ltd. Ranchi, a copy of GCC of Works Contract can be downloaded from the site [www.hecltd.com](http://www.hecltd.com) for ready reference.

### **3.7 MAN POWER**

Contractor may have to mobilize additional man-hours and / or deploy work force for additional hours without any extra cost to HEC. Any statutory requirement for additional working hours or any manpower related issue shall be total responsibility of contractor.

### **3.8 INSPECTION**

Rectification of the Quenching Car will be inspected by HEC along with or without the representative of end customer / customer's consultant. Contractor shall provide necessary assistance in carrying out inspection and if any defects are pointed out, they will carry out the necessary rectification /

modification without any extra cost to HEC. Bidders will deploy sufficient manpower during pre and final inspection and handing over the entire jobs and a protocol will be drawn based on which the job will be accepted.

### **3.9 RECONCILIATION OF FREE ISSUE ITEMS**

Bidders will submit reconciliation statement of free issue items if any, on monthly basis, failing which no progressive payment shall be released. However any supply to contractor by the purchaser, which was originally in the scope of contractor will attract recovery with 22.5% overhead charge.

### **3.10 STATUTORY RECOVERIES**

Statutory recoveries if any shall be made as per rule/rates prevailing at working site.

### **3.11 GUARANTEE PERIOD**

The contractor shall stand full guarantee for workmanship / service for a period of one year from the date of handing over and acceptance of the system at site.

### **3.12 SUBMISSION OF TENDER:**

#### **Cost of tender fees**

*No tender will be accepted and processed without submission of tender fees, techno –commercial offer will not entertain for further process and will be rejected. Mode of payment of tender fees is in Demand Draft.*

The tender is to be submitted in three parts. Part- A , Part – B & Part C.

**Part A - EMD** (Earnest Money Deposit + Cost of Tender paper) The tender shall comprise Demand Draft of EMD (Earnest Money Deposit). **Offer without EMD will not be considered and will be rejected.**

**Part B - Tender** comprising Techno Commercial offer which shall cover all technical part as well as commercial terms except the prices.

Tenderer shall furnish copy of all statutory obligations of Government of India, State Government applicable at site such as labour rules, minimum wages act & payment of wages, etc. and the purchaser shall not be liable for any action on statutes applicable to non-fulfillment of statutory obligations by the bidders.

**Part C- PRICE BID** - The Tender shall comprise Price Bid only as per the format enclosed with tender as Annexure- A.

Tenderer shall must attach/furnish copy of followings:-

- a) PAN No.
- b) EPF registration No.
- c) ESIC registration
- d) GST Registration no.
- e) Last 03 years financial statement.
- f) Registration of firms under various organizations.

The price bid shall be opened only after the Techno Commercial terms are settled and accepted.



Part A, Part B & Part C offers shall be in separate sealed covers. The tenderer is to clearly super scribe on the top of each envelope the relevant part number and description along with tender reference number and date of opening.

All the envelopes (Part A, Part B & Part C) shall be enclosed in one envelope. This envelope shall also be super scribed on the top with tender reference number and date of opening of enquiry, indicating that all the three parts (i.e. Part A, Part B & Part C) are enclosed in the envelope.

If the tender is bulky & voluminous the tenders are to be handed over to the following persons against receipt date & time:

**1. Sri P K Ram**  
Asstt. Manager/Mktg.

**2.Alok Ranjan**  
Dy. Manager/Mktg.

**If the offer is not submitted as per the above instructions & within time the same can be rejected.**

### **3.13 ACCEPTANCE OF TENDER:**

Tender may be accepted for full. Any incomplete tender in any respect is liable to be rejected without any notice. The company is having rights to reject any tender without assigning any reason for which no question can be asked anywhere.

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

**Tenderer shall return the tender documents along with the tender duly signed & stamped on each page as a token of acceptance.**

### **3.14 Cost of Tender Document and Earnest Money Deposition (EMD)**

Cost of Tender Document shall be Rs. 250/- (Two Hundred Fifty) and to be submitted in the form of DD in favour of:

***Heavy Engineering Corporation Limited***  
Payable at  
***State Bank Of India, Hatia Branch (Code No. 0207)***

EMD shall be **Rs. 5,000/- (Rupees five thousand only)** and to be submitted in the form of DD in favour of:

***Heavy Engineering Corporation Limited***  
Payable at  
***State Bank Of India, Hatia Branch (Code No. 0207)***

Earnest Money of unsuccessful bidders will be refundable immediately after finalization of contract on receiving a written request from the bidders. For the successful tenderer, the Earnest Money will be converted to Security Deposit.

No interest will be payable on Earnest Money and Security Deposit.

Exemption from deposition of Earnest Money and security and Security Deposit for Small Scale Industries (SSI) or any other category will be guided as per prevailing Government directives on production of documentary evidence in its support.

### **3.15 SECURITY DEPOSIT**

Earnest Money of the successful bidder will be converted to Security Money. The remaining Security Money should be deducted at the rate of 10% from the running bills.

In the event of non-execution of the contract or withdrawal before expiry of validity period SD will be forfeited. The total security deposit will be converted into retention money for one year from the date of completion of the work.

### **3.16 LIQUIDATED DAMAGE**

If the tenderers fails to complete the work within the stipulated time fixed in the order, the tenderers shall be liable to pay to the purchaser as agreed liquidated damages and not by way of penalty a sum of 0.5% of the total contract price per weeks of delay or part thereof by which the completion of work has been delayed, subject to a maximum limit of 10% of the total contract price.

### **3.17 FORCE MAJEURE**

Time being the essence of the contract, if either party is prevented from the Performance of its obligations in whole or in part for reasons of Force Majeure, viz acts of God, acts of Government, acts of Public enemy, war, hostility, civil commotion, sabotage, fire, flood, explosion, strike, and lawful lockout, then provided notice of happening of any such eventuality is given by the effected party to the other party immediately & maximum within 15 days from the date of occurrence and cessation of the force majeure, the period of Force Majeure shall be excluded accordingly.

If the Force Majeure event(s) continue beyond the period of 3 months, the parties shall hold consultation to chalk out the further course of action. Neither party can claim any compensation from other party on account of Force Majeure.

### **3.18 WORKMEN INSURANCE**

Contractor has to take insurance of their workmen working at site on their own cost.

### **3.19 CLC/IR CLEARANCE**

It is contractor's responsibility to take CLC/IR clearance from concerned authority of Bokaro for their statutory payments made to workers like wage, PF, ESIC etc.

### **3.20 ARBITRATION**

- a) All Disputes or differences, whatsoever, arising between the parties out of or in relation to the construction, meaning and operation or effect of this Contract or breach there of shall be settled amicably. If, however, the parties are not able to resolve them amicably, the same shall be settled by arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration as per the provision of Arbitration Conciliation Act 1996 and the award made in pursuance there of shall be binding on the parties. The Arbitrator /Arbitrators will give reasoned award.
- b) Work under the contract shall continued by the Bidders during arbitration proceeding unless otherwise directed in writing by HEC/ DSP or unless the matter is such that work cannot be continued until decision of the arbitrators or of the umpire , as the case may be, is obtained and save as those which are otherwise expressly provided in the contract, no

payment due or payable by the purchaser shall be withheld on arbitration proceeding unless it is the subject matter or on the subject matter thereof.

- c) The Venue of arbitration shall be Ranchi, Jharkhand

### **3.21 RISK AND COST**

Should the bidders fail to complete the work and comply with notice given in this regard within the period as considered reasonable for such compliance from the date of serving the notice, then in such case without prejudice to purchasers right under this clause the purchaser shall have at his option to take the affected work wholly or in part out of the bidder's hand and may complete the work at the risk & cost of the bidder.

### **3.22 NO CLAIM OR COMPENSATION FOR SUBMISSION OF TENDER**

The Tenderer whose offer is not accepted shall not be entitled to claim any costs, charges, expenses or and incidental to or incurred by him through or in connection with his submission of Tenderer, even though HEC Ltd may decide to withdraw the invitation of Tender. No price ESCALATION will be considered for successful tenderer till completion of the project.

### **3.23 NOTICES ON BEHALF OF HEC LTD**

Notice and certificate on behalf of HEC LTD in connection with the Work order may be given by duly authorized officers of HEC LTD. Any modification which may become necessary in the interim period will be intimated to you as soon as possible.

### **3.24 CONTRACTOR'S RISK**

The contractor is responsible for the expected risks, which are:

- A) War, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection of military or usurped power, or civil war;
- B) Riot, commotion, disorder, unless solely restricted to employees of the contractor.

### **3.25 JURISDICTION OF COURT**

The issue shall be under the jurisdiction of Ranchi High Court.

### **3.26 PRICE ESCALATION:**

No price escalation is admissible for execution of the scope of work after issue of LOI/work order. No extra payments shall be admissible to the contractor, consequent on any alleged misunderstanding or miscalculation or arising of any other mistake or factor not specifically provided in the offer.

### **3.27 AN AGREEMENT**

An agreement will have to be signed with HEC Ltd. on a non-judicial stamp paper of value Rs 50/- (Rupees Fifty only) purchased by you from the state of Jharkhand in a standard performa within fifteen days. Failure to execute an agreement within specified period may entail forfeiture of security deposit.

**ADDRESS FOR CORESPONDANCE:**

Any Correspondence on this tender is to be addressed to:

1. **Sri Alok ranjan**  
**Dy.Mngr/Mktg.**

**Room No. 64, 2nd Floor.**  
**HMBP Administrative Building**  
**Heavy Engineering Corporation Ltd.,**  
**Ranchi – 834 004 (Jharkhand)**  
**Contact No. Phone 0651-2400988, 2401200**  
**Fax no. 0651 – 2401166 / 2401571**  
**E-mail [alokranjan@hecltd.com](mailto:alokranjan@hecltd.com) , [pkram@hecltd.com](mailto:pkram@hecltd.com)**

**PRICE- BID**

To,

The Dy.DGM(I/c)Mktg/HMBP

ADM Building, HMBP

HEC Ltd. Ranchi

Sub: Price Bid for the Tender No HMB/Mktg./DSP/Quenching Car/2018-1050 Dated:05.10.2018

Dear Sir,

Our most competitive price for the scope of work given in the Tender Paper is as under:

Sl.No.	Name of the work	Total Price Basic	HSN Code	GST	Total with taxes
<b>01.</b>	Replacement of liners <b>(Ref clause i) of 1.1 Broad scope of work in Tender Document)</b>				
<b>02</b>	Loading and unloading of gate <b>(Ref clause ii) of 1.1 Broad scope of work in Tender Document)</b>				
<b>Total in figures Rs.</b>					
<b>Total Price in words: Rupees.</b>					

Signature of the Tenderer with Seal of the company

**Annexure B**

<b>S No.</b>	<b>Comments of HEC</b>	<b>Confirmation of bidder</b>
<b>1.</b>	Please confirm you have visited the site and understood the scope of work	
<b>2.</b>	Please confirm if any equipment or tool and tackles will be required other than your provided list, the same will be arranged by you at your own cost.	

**3.** Please specify your manpower trade/designation and work experience in the following format.

<b>S No.</b>	<b>Name</b>	<b>Qualification</b>	<b>Trade/designation</b>	<b>Work Experience (In years)</b>

**4.** Please submit completion certificate, scope of work including volume and tonnage of work for your minimum 4 major mechanical work orders in following format and attach the duly signed documents for the same.

<b>S No.</b>	<b>Major mechanical work orders</b>	<b>Customer</b>	<b>Completion certificate</b>	<b>Scope of work</b>	<b>Volume/tonnage of work</b>
1					
2					
3					
4					

- 5.** PAN No.
- 6.** EPF Registration No.
- 7.** Employee’s State insurance No.
- 8.** Constitution and legal status of the tenderer (individual, partnership, co-operative, registered firm etc.), existence of joint ventures or other tie up for technology, equipment, financial backing and / or project management etc. to clearly mention with copy of supporting documents along with the offer.

**ANNEXURE-C****Details of Infrastructure/ facilities available with the contractor (own/Hire):-**

Sl.No	Details of Mobile Cranes and other erection equipment, tools & tackles	Quantity & Capacity of each equipments	Owned / planned for lease/ hire	Remarks
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10				
11				
12				
13				
14				
15				
16				

**Balance sheet & turn over of company of the contractor**

Sl. no.	Balance sheet of last three years	Turnover of company	Description	Remarks