Advertised Open Tender

Under jurisdiction of Dhanbad Court only.

TENDER NO : PUR/570041&46/ Compressor/09-10/E&M/50

DUE DATE & TIME FOR SUBMISSION UP TO 1 PM ON 19.08.09

DUE DATE & TIME FOR OPENING- AT 3 PM ON 19.08.09

COST OF TENDER DOCUMENT – Rs 5,000.00

REQUIRED AMOUNT OF EARNEST MONEY –Rs 2,00,000.00.

(Please see clause no.111 & 13)

C.R.NO……DATED………

TENDER ENQUIRY

Document issued to:
Press release
Press release
Press release

If this Tender Document has been downloaded from our website Part-III envelope(Clause 9[c] bearing required Bank Draft for the requisite Tender Fee must be enclosed along with the tender otherwise their offer shall be rejected out rightly without any reference.However, the contents of the tender documents available for sale in our office shall be deemed as authentic .The responsibility of errors & omissions in the downloaded documents will be with tenderer

Dear Sirs,

Sub: Notice Inviting Tender for supply of Air Compressor:-04 no

1. Sealed tenders are invited in duplicate only from the proven manufacturers or their exclusively authorised sole selling agents authorised by their manufacturer to offer against this tender for supply of Air Compressor:-04 no to various Areas of BCCL as per detailed specifications as Annexure – “A”.

PROVEN MEANS THOSE MANUFACTURERS OR EXCLUSIVELY AUTHORISED SOLE SELLING AGENTS WHO HAVE SUPPLIED TENDERED ITEM(S) IN PAST TO (a) OEM OR (b) TO THE MINING INDUSTRY AND/OR TO THE OTHER INDUSTRIES(PRIVATE OR GOVERNMENT/PUBLIC SECTOR UNDERTAKING—INDIGENOUS OR GLOBAL) AGAINST REGULAR (FIRM) ORDER( NOT TRIAL ORDER) PLACED BY COMPANY’S HQ. FOR THIS PURPOSE THE FIRM SHOULD SUBMIT AUTHENTICATED COPY OF SUCH PURCHASE ORDERS RECEIVED BY THEM HOWEVER TRIAL ORDERS PLACED BY BCCL CO.HQ.
2. The offers are to be submitted before the closing date and time as mentioned above.

3. Tenderers may be deposited in person by the tenderer in the Tender Box kept at Tender cell, Purchase Department, office of the CGM(MM), Bharat Coking Coal Limited, Commercial Block, Level –III, Koyla Bhawan, Koyla Nagar, Dhanbad or sent by post or courier to the above address. Bharat Coking Coal Limited, however, do not take any responsibility for loss of tender in transit. A tender which has not been received on the due date and before the time of opening of the tender, the same will not be considered. No relaxation in this respect will be entertained.

4. Tenders sent through telegram, telex, Fax or E-Mail will not be considered.

5. Tender documents/forms purchased by one firm are not transferable to another firm.

6. The tender document is divided into the following parts:
   i) Annexure ‘A’ - Technical specification
   ii) Annexure ‘B’ - Commercial terms without price.
   iii) Annexure ‘C’ - Check List

7. (a) The offers are to be submitted in three parts. The first part “Part-I i.e. Techno-commercial offer” should contain the detailed Technical and commercial terms of the offer. However, this should not contain the price. The envelope should be sealed superscribed with the tender number and the date of opening and must mark Part I
   (b) The second Part “Part-II i.e. Price Bid” should contain the details of price only. The envelope should be sealed superscribed with the tender number and the date of opening and must mark Part II.
   (c) “Part – III” [Applicable for those tenderers who will download tender documents from our web site.]
   In this case the intending tenderer must enclose the requisite tender fee as Bank Draft from any schedule Bank drawn in favour of “BHARAT COKING COAL LIMITED” payable at Dhanbad in the “Part – III” envelope. The envelope shall be sealed, superscribed with tender number and due date of opening and must mark “Part-III”. All the envelopes containing the tender shall be properly sealed. Envelopes stapled shall not be accepted. The name and address of the bidder must also be indicated on the envelopes. Please note that envelopes stapled shall not be accepted.
   All these three sealed envelopes i.e. “Part – I” [Techno-commercial bid], “Part- II” [Price bid] and “Part – III” [Requisite tender fee as indicated in the tender notice] should be kept in a bigger envelope giving details of the tender No. and due date of submission and opening along with the name and address of the bidder.
   In absence of “Part-III” envelope offer shall be rejected out rightly without any reference for those tenderers who have downloaded the tender documents from our website.

8. Part - I (Techno commercial Offer) and “Part – III” (Tender fee) will be opened on the due date of tender opening in presence of the authorised representative of the attending bidders
   NOTE.
   a) Tenders not submitted in the above manner will not be accepted.
   b) If tender disclose their price in the techno-commercial bid(Part-I), the offer will be re-sealed and will be treated as invalid offer by the Tender opening Committee.
   09. The price bids i.e. Part- II of only those tenders whose Part- I is found to be techno-commercially acceptable to BCCL will be opened later on. Date and time of opening will suitably be intimated to such bidders whose offers are found techno-commercially acceptable.
10. Bharat Coking Coal Limited reserves the right to accept or reject any or all offers in part or in full without assigning any reason thereof. No dispute of any kind can be raised against this right of the buyer in any court of law or elsewhere.

11. Earnest Money:
   a) An Earnest money of Rs. 2.00 Lakh in terms of Bank Draft of any schedule Bank drawn in favour of Bharat Coking Coal Limited payable at Dhanbad must accompany the Part I (Techno-commercial offer) otherwise offer shall be considered unresponsive.
   b) If it is accompany the Part-II(Price bid), it will be presumed that tenderer has not deposited the requisite Earnest money and their offer shall be considered unresponsive.

12. Security money – Successful tenderer are required to deposit security money in the form of Bank Draft/Bank Guarantee of any schedule Bank of 10% of the order (value means F.O.R destination price) within 15 days from the date of receipt of order. Bank draft should be drawn in favour of “BHARAT COKING COAL LIMITED” payable at Dhanbad. In case they fail to deposit the same, the supply order shall be cancelled and the shall be processed to order elsewhere and the firm’s performance is to be kept recorded for future dealings with them. The security will be refunded to the firm within 30 days of satisfactory execution of the contract (Execution of the contract means successfully completion of supply against the order). For unsatisfactory performance and/or contractual failure the security money shall be forfeited. Please note that security money may be converted into Performance Bank Guarantee wherever required. Please note that validity of Performance Bank Guarantee shall be as per clause 11 (a) of Commercial terms & conditions. Please confirm the acceptance of this clause clearly.

13. State/Central Govt. Organisation /PSU & Valid DGS&D/NSIC/Ancillary of BCCL registered (for tendered items), firm shall be considered for exemption for submission of EMD/Security money, if they can submit these documents after duly signed by Notary Public.

14. The bidders must give a declaration that they have not been banned or de-listed by any Government or quasi-Government agencies or PSUs. If a bidder has been banned by any Government or quasi-Government agencies or PSUs, this fact must be clearly stated and it may not necessarily be a cause for disqualifying them. If this declaration is not given, the bid will be rejected as non-responsive.

15. Bharat Coking Coal Limited reserves the right not to make any procurement against this tender without assigning any reasons.

16. Tenders of those tenderers who suo moto offer different prices or change the terms which effects the quoted price of the firm within the validity of the offer shall be treated as invalid offer ab initio and the action against such tenderer as per CIL rules / procedure will be taken.

17. ALL CONTRACTS WILL BE IN ACCORDANCE WITH THE PREVALENT INDIAN LAW AND ALL DISPUTES ARE SUBJECT TO THE JURISDICTION OF DHANBAD COURT ONLY.

IMPORTANT NOTE:
(i). The tenderers are requested to go through all the Annexure and furnish specific replies to each question raised therein.
(ii). Printed terms and conditions of the vendor shall not be considered. Tenderers are requested to submit their offer complete in all respects maintaining serial number of items, terms and conditions as per tender documents along with all supporting documents failing which offer may not be considered.
(iii). Normally no deviation is acceptable to our tender documents. Terms and Offers which are in deviation are liable for rejection without asking back reference to the tenderers. Offers as asked must be submitted complete in all respects.
(iv). Self attested copies of orders received from subsidiaries of CIL for the quoted items should be submitted along with the quotation in the Part-I (Techno-commercial offer). List of past supplies with the details of order reference and the performance report if any should be furnished along with the offer.
(v). The complete offer should be typed in the letter head of the tender (Hand written quotation will be summarily rejected). If firm’s letter heads are not sufficient to accommodate technical and
(vi). All pages of tender documents should be signed including all enclosures with the tenders except printed leaflets/catalogues and have company’s seal. This is must otherwise offer shall be rejected.
(vii). Erased and overwritten quotations will be summarily rejected unless corrections are authenticated with the tenderer’s signature.
(viii). BCCL reserves the right to increase or decrease the tendered quantity against any/all the items of the tender.
(ix). The tenderer must submit separate sheet in Part ‘I’ (Techno-commercial offer) indicating any deviation in their offer from the Technical and Commercial terms specified/required.
(x). Offer of those tenderers will not be considered commercially acceptable who did not successfully execute previous order placed on them by BCCL despite giving commercial notice and against whom penal action have been initiated for breach of contract.
(xi). In case a firm is proven for a sub-assy of any particular Equipment, it will be considered proven for components of that particular sub-assy of the Equipment only.
(xii). Purchase Preference Policy as per Govt. of India’s office memorandum no. DPE 13(12)/2003-Fin.Vol II dt. 18th July 2005 valid upto 31/03/2008 is applicable for any Govt. Dept/PSU tender. It is applicable to contracts of value of 5.0 crore and above but not exceeds 100.00 crore.
(xiii). As per Central Vigilance Commission (CVC) guide lines, no post tender negotiations may be held except in case of Proprietary Purchase or for items with limited source of supplies (negotiation in such case may be held only with L-1 / preferred L-1 vendor)
(xiv). If L-1 tenderer do not have adequate capacity to supply full quantity tendered, the uncovered quantity order may be distributed to L-2 tenderer at L-1 rate.
Notwithstanding anything said above, BCCL reserves the right to follow any guideline or instruction received from the Government or any statutory bodies from time to time.

Encl: As above

Yours faithfully

For & on behalf of Bharat Coking Coal Limited.
COMMERCIAL TERMS:-

1. Part-I i.e. TECHNO COMMERCIAL OFFER should contain the following (but not the price of any item):

   i) Name and address of the original Manufacturer along with full details of the contacts persons, Telephone No, Fax No., E. Mail address etc.
   
   ii) Details of order received giving the name of the buyer, their address and country, date of order and number/quantity item ordered and supplied. Specific details should be given regarding the item supplied with full address of the user, so that the same can be verified if felt necessary.
   
   iii) Details of collaborations, if any.
   
   iv) Details of After Sales Service to be provided, namely address of service depots, if any, strength of after sales service personnel and their qualifications and backgrounds.
   
   v) Details of Training offered, if any.
   
   vi) Details of quality control measures/stage inspections carried out. Accreditation of any approved std. quality control institute or organization may be indicated certifying the quality system of the bidder.
   
   vii) Details regarding location of the works. The purchaser reserves the right to inspect the works of the bidder. What are the facilities they will provide to carry out pre despatch inspection in stages of manufacturing process, if buyer wish to do so.
   
   viii) A statement certifying that the bidder accepts all the commercial terms and conditions of Bharat Coking Coal Limited given in this bid documents without any reservation what so ever.

2. (A) PART II i.e. PRICE BID should contain the following:

   i) Rate (Prices) must be quoted FIRM & FOR Destination basis with the following break up.
   
   a) Ex-Works Price Excise duty if applicable (It will be payable extra on Ex-works price basis)
   
   b) Excise duty if applicable (It will be payable extra on Ex-works price basis)
   
   c) Sales Tax (It will be payable extra as applicable)
   
   d) Freight, Insurance, Packing & Forwarding charges on lump-sum basis.

   NOTE: - 1. Please confirm in the technical bid Part-I that their rate is not inclusive of sales tax otherwise their offer may be ignored. However if their rate is inclusive of Ex-duty they must indicate the applicable rate of Excise duty in the technical bid i.e. Part-I
   
   2. The rate must be indicated both in figure and words. If there is difference between both, the amount appearing in words shall be taken for consideration.

   i) In case of direct import by us (BCCL), price will be on F.O.R. delivery Port basis only. The Price must be on FIRM basis.

   ii) In case of imported stores and prices are in Indian rupees on FOR destination basis, only applicable sales tax and statutory local levies (if any) will be payable extra. The price must be on FIRM basis.

   iii) Conditional discount including quantity discount will not be considered for comparative purpose. Cash discount or Prompt
payment discount will also be treated in the same manner. However, only unconditional discount will be taken into account for comparative evaluation to ascertain the competitiveness of the tender. In case of F.O.B price all discount attracts custom duty etc. except trade discount.

2 (B) – **Detail evaluation of Financial bids.**

2 (B) (a) In spite of mentioning that offers should be submitted by the tenderers on FOR destination basis as per clause 2(A)(i) above, in case a tenderer does not specify the basis of price or quoted on ex-works or FOR despatching station basis, the price will be loaded to arrive at the F.O.R. destination price on the following manner.

<table>
<thead>
<tr>
<th>Approximate distance of dispatching Station from Consignee’s end.</th>
<th>Percentage FOR dispatching station price regarding Freight.</th>
<th>Packing and Forwarding Charges</th>
<th>Transit Insurance Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Above 2001 Km</td>
<td>5%</td>
<td>2%</td>
<td>½%</td>
</tr>
<tr>
<td>1501Km - 2000 Km</td>
<td>4%</td>
<td>2%</td>
<td>½%</td>
</tr>
<tr>
<td>1001 Km -1500 Km</td>
<td>3%</td>
<td>2%</td>
<td>½%</td>
</tr>
<tr>
<td>501 Km – 1000 Km</td>
<td>2%</td>
<td>2%</td>
<td>½%</td>
</tr>
<tr>
<td>Below 500 Km</td>
<td>1%</td>
<td>2%</td>
<td>½%</td>
</tr>
</tbody>
</table>

2 (B) (b) In case of Imports, the tenderers are required to quote on FOB delivery port basis. The total price will be estimated in the following manner to arrive at the CIF price & landed price of the import offers.

<table>
<thead>
<tr>
<th>Sl.no</th>
<th>Description</th>
<th>Imported from USA, Canada and Japan</th>
<th>Imported from European and other countries.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Freight &amp; Insurance</td>
<td>12% of FOB value</td>
<td>10% of FOB value</td>
</tr>
<tr>
<td>2</td>
<td>Insurances Charges</td>
<td>1/2% of FOB value</td>
<td>½% of FOB value</td>
</tr>
<tr>
<td>3</td>
<td>Custom Duty</td>
<td>As applicable</td>
<td>As applicable</td>
</tr>
<tr>
<td>4</td>
<td>Port handling and clearance Charges, Inland transportation and other miscellaneous charges</td>
<td>5% of FOB value</td>
<td>5% of FOB value</td>
</tr>
</tbody>
</table>

To arrive the FOR destination Price in Indian Rupees, the exchange rate published in National Newspaper applicable on the date of opening of Price Bids will be taken. The applicable rate will be “Selling BC Rate”.

3. **VALIDITY:-** The offer must be valid for acceptance for a period of 6(Six) months from the date of opening tender. Offers will not be permitted to be withdrawn during this period.

4. **ULTIMATE CONSIGNEE:-** The materials may be consigned to any of the depot of BCCL.

5. **PRICE VARIATION: I)** Only **FIRM price shall be quoted**. No price variation will be allowed during the pendency of the contract excepting for price fall clause.

6. **PAYMENT TERM:-** As given in the enclosed Annexure-“B”

7. Either the Indian Agent on behalf of the foreign principal or the foreign principal may directly bid in a tender but not both.

   If an agent participates in a tender on behalf of one manufacturer, he should not quote on behalf of another manufacturer along with the first manufacturer for the same item.
8. In case of indigenous supplies, Tenderers are required to furnish the following details/information in the techno-commercial bid Part-I for transferring the Money to the supplier’s account through e-banking while making payment
   a. Name of the Bank.
   b. Name of the Branch with complete address.
   c. Party’s Account Style.
   d. Party’s nature of Account.
   e. Party’s Account Number.
9. DELIVERY:- Minimum delivery time to be offered.
   i) Required delivery schedule-

<table>
<thead>
<tr>
<th>Sl.no</th>
<th>Item</th>
<th>Delivery Schedule</th>
</tr>
</thead>
</table>

   ii) The bidder should be in a position to supply in specific delivery period at least 25% of the total tendered quantity, otherwise offer shall be considered unresponsive.
   iii) The delivery schedule quoted in the offer shall be firm and final. Delivery will be counted from the date of receipt of the order. Failure to supply the material in time may attract penalty as per clause No. 10

10. PENALTY FOR FAILURE TO SUPPLY IN TIME:
   - As per Appendix -I

11. (a) GUARANTEE/WARRANTY/PERFORMANCE BANK GUARANTEE –As per Annexure-B(Technical Specification)
   i) The item will be warranted against any manufacturing defects/workmanship for a period of 12 months from the date of commissioning or 18 months from the date of receipt and acceptance. Any defect observed on this account shall be attended to immediately and in no case beyond a period of one month. For specific warranty on assemblies and sub-assemblies, details given in Technical specification may be referred to.
   ii) Special Warranty Clause:- If the order is decided to be placed on the bidder, the bidder should confirm against the clause that in the event of any breakdown or failure of performance due to defects in materials, design, workmanship, spare parts etc. BCCL shall promptly notify the supplier in writing of any claims arising under this warranty. The repairs replacement or rectification work shall be carried out by the supplier at site at no cost to the purchase within 21 days of settlement of warranty claims.
      “At no cost to the purchaser” means, the supplier will have to bear all the expenses up to the destination site i.e. Ex-works prices, Excise Duty, Sales Tax, Insurance, Inland Transportation charges etc. as applicable to ensure free delivery of warranty replacement at BCCL colliery sites.
      The supplier will be required to stock spares to take care of warranty period breakdown. Spares should be available immediately from the date of intimation of breakdown.
   iii) The suppliers must ensure that there is no major breakdown due to Manufacturing/ design defect during the warranty period. In cases such Breakdown occurs, the purchaser will reserve the right to extend the warranty period suitably as per the availability clause mentioned in the Technical Specification.
iv) A Performance Bank Guarantee on Scheduled/Nationalised Bank in India valid for 18 months from the date of receipt/acceptance for 10% Value of the order as a coverage towards the supplier’s performance against the contract (in the standard format Appendix-III enclosed herewith), must be submitted within 20 days of placement of order. No payment will be made without submission of the performance bank guarantee. The order value means F.O.R. destination price including taxes, duties, transportation & insurance charges and other charges. The performance bank guarantee is required in case of supply of equipment.

11. (b) (i) SPECIAL GUARANTEE /WARRANTY- (Other than Equipment).

   The item will be covered by guarantee/warranty against any manufacturing defects/workmanship for a period of 12 months from the date of receipt & acceptance of materials. Any defect observed on this account shall be attended to immediately and replace the material within 30 days on mutual agreement.

12. PACKING FOR TRANSIT.

   The bidder should confirm provision of proper packing of the goods to be shipped by them if order is placed on them as is required to prevent their damage or deterioration during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods final destination and absence of heavy handling facilities at all the points in transit. The packing, marking and documentation within and outside the package shall comply strictly with such special requirement as shall be expressly provided for in the order.

13. QUALITY CONTROL MEASURE

   The bidder shall furnish details of quality control measures being adopted by him, including any International / Indian standard being followed.

14. PRICE FALL CLAUSE:
- As per Appendix -II

15. FORCE MAJEURE CLAUSE

   If the execution of the contract/supply order is delayed beyond the period stipulated in the contract/supply order as a result of out-break of hostilities, declaration of an embargo/curfew or blockade or fire, flood, acts of nature or any other contingency beyond the supplier’s control due to act of God then BCCL may allow such additional time by extending the delivery period, as it considers to be justified by the circumstances of the case and its decision shall be final. If and when additional time is granted by BCCL the contract/supply order shall be read and understood as if it had contained from its inception the delivery date as extended. Further this clause state that:

   a) The successful bidder will, in the event of his having to resort to this clause by a registered letter duly certified by the local Chamber of Commerce or statutory authority, the beginning and end of the causes of the delay, within fifteen days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting out of Force Majeure, BCCL will reserve the right to cancel the contract and provisions governing termination of contract, as stated in the bid documents will apply.

   b) For delays arising out of Force Majeure, the bidder will not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure and neither BCCL nor the
bidders shall be liable to pay extra costs provided it is mutually established that Force Majeure Conditions did actually exist.

(c) If any of the force majeure conditions exist in the place of operation of the bidder even at the time of submission of bid, he will categorically specify them in his bid and state whether they have been taken into consideration in their quotations.

16. INSPECTION & TESTS.

(i) The purchaser of its authorized representative shall have the right to inspect and/or to test the goods to confirm their conformity to the contract. The purchaser shall notify the supplier in writing of the identity of any representative retained for these purposes.

(ii) If the inspections and tests is conducted on the premises of the supplier or its subcontractor(s) at point of delivery and/or at the goods final destination when conducted on the premises of the supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the purchaser.

(iii) Should any inspected or tested Goods fail to conform to the specifications, the purchaser may reject them and the supplier shall either replace the rejected goods and make all alternatives necessary to meet specification requirements free of cost to the Purchaser.

(iv) The materials will be inspected on arrival at site by the consignee, which will be considered as final. This shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative’s i.e. third party prior to the dispatch of the Goods.

(v) Nothing in these documents shall in any way release the supplier from any warranty or other obligations under this contract.

For Chief General Manager (MM)
The time and date of delivery of stores stipulated in Purchase order shall be deemed to be of the essence of the contract and delivery of the stores must be completed by the date specified. No materials should be supplied beyond the specified delivery period, unless specific approval has been obtained from the purchaser.

In the event of failure to delivery or dispatch the stores within the stipulated date/period in accordance with the samples and/or specification mentioned is the supply order, and in the event of breach of any terms and conditions mentioned in the supply order. Bharat Coking Coal Limited reserves the right:

a) To recover from successful tenderer, as agreed liquidated damages, a sum not less than 0.5% (half percentage) of the price of the stores which successful tenderer has not been able to supply (for this purpose part of a unit supplied will not be considered) as aforesaid for each week or part of a week during which the delivery of such stores may be in arrears limited to 10%. Where felt necessary the limit of 10% can be increased to 15% at the discretion of Head of the Materials Management Division.

b) To purchase elsewhere, after due notice to the successful tenderer on the account and at the risk of the defaulting supplier the stores not supplied or others of a similar description without cancelling the supply order in respect of consignment not yet due for supply or

c) To cancel the supply order or a portion thereof, and if so desired to purchase the store at the risk and cost of the defaulting supplier and also.

d) To extend the period of delivery with or without penalty as may be considered fit and proper. The penalty, if imposed shall not be more than the agreed liquidated damages referred to in clause(a) above.

e) To encash any Bank guarantee which is available for recovery of the penalty or

f) To forfeit the security deposit full or in part.

g) Whenever under the contract a sum of money is recoverable from and payable by the supplier, BCCL shall be entitled to recover such sum by appropriating, in part or whole by deducting any sum or which at any time thereafter may be due to the successful tenderer in this or any other contract with Bharat Coking Coal Ltd. or any subsidiary of Coal India Ltd. Should this sum be not sufficient to cover the full amount recoverable, the successful tenderer shall pay BCCL on demand the remaining amount. The supplier shall not be entitled to any gain under this clause.

The supplier must confirm the acceptance of this Penalty clause which will not be altered.
i) The prices charged for the stores supplied under the contract by the supplier shall in no event exceed the lowest price at which the supplier sells the stores of identical description to any other organization till validity of the contract.

ii) If at any time during the said period the supplier reduces the sale price of such stores or sells such stores to any other organization at a price lower than the price chargeable under this contract, the supplier shall forthwith notify such reduction or sale to the consignee concerned under intimation to CGM(MM), Bharat Coking Coal Limited, Commercial Block, Level –III, Koyla Bhawan, Koyla Nagar, Dhanbad and the price payable under the contract for the stores supplied after the date of coming into force of such reduction or sale, shall stand correspondingly reduced. The above stipulated will not, however apply to exports by the supplier.

The bidder should confirm their acceptance of the above clause.
LETTER OF PERFORMANCE GUARANTEE.

1. Messrs. _______________________________ a company having its office at ____________________________ hereinafter called the Seller has entered into a Contract No.________________________dt.-------- (hereinafter called the said Contract) with Bharat Coking Coal Limited (hereinafter called, the Purchaser) to supply equipment on the terms and conditions in the said Contract.

   It has been agreed that hundred percentage (100%) payment of the value of the equipment will be made to the seller in the terms of the said Contract on the seller furnishing to the Purchaser a Bank Guarantee for the sum of ----------- ----- equivalent to 10% of the value of each equipment and accessories dispatched by the seller as security for the due and faithful performance of the terms of the said contract and against any loss or damage caused to or would be caused to or suffered by the purchaser by reason of any of the terms or conditions contained in the said contract.

   The------------------------ Bank having its office at --- ---------------- has at the request of seller agreed to give the guarantee herein after contained.

2. We,----------------------------- Bank Ltd., do hereby undertake to pay the amounts due and payable under this guarantee without any demur merely on a demand from the purchaser stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the purchaser by reason of any breach by the said seller of any of the terms or conditions contained in the said contract or by reason of the seller’s failure to perform the said contract. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. We shall not withhold the payment on the ground that the seller has disputed its liability to pay or has disputed the quantum of the amount or that any arbitration proceeding or legal proceeding is pending between purchase and the seller regarding the claim. However, our liability under this guarantee shall be restricted to an amount not exceeding ------------------.

3. We,------------------- ------------- Bank Ltd., further agree that the guarantee herein contained shall come into force from the date hereof and shall remain in full force and effect during the period that would be taken for the performance of the said contract and that it shall continue to be enforceable till all the dues of the purchase under or by virtue of the said contract have been fully paid and its claim satisfied or purchase certified that the terms and conditions of the said contract have been fully and properly carried out by the said seller and accordingly discharged the guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the ----------------- (date to be given--- --------months from the date of Bank Guarantee) we shall be discharged from all liability under this guarantee thereafter.

4. We., Bank Ltd. further agree with the purchaser , that the purchaser , shall have the fullest liberty without our consent and without affecting in any manner no obligations hereunder to vary any of the terms and conditions of the said contract or to extend time of performance by the said seller(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the purchaser, against the said seller and to forbear or enforce any of the terms and conditions relating to the said contract and we shall not be relieved from our liability by reason or any such variation or extension being granted to the said seller or for any forbearance act or omission on the part of the
purchaser, or any indulgence by the purchaser to the said seller by any such matter or thing whatsoever which under the law relating to sureties would be for this provision have effect of an relieving us. The Bank further agrees that in case this guarantee is required for a longer period and it is not extended by the bank beyond the period specified above, the bank shall pay to this purchaser the said sum of ---------------- or such lesser sum as may than be due the purchaser and as the purchaser may demand.

5. We, ---------------- Bank Ltd. lastly undertake not to revoke this guarantee during its currency except with the previous consent of the purchaser, in writing.

6. The Bank has under its constitution power to give this guarantee and Mr.---------------- ----Manager, who has signed it on behalf of the Bank has authority to do so.

7. This Bank Guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

Date------------------------- Day of -----------------------------20

For -------------------------- Bank Limited

Signature of the authorised person
for and on behalf of the Bank
CHECK- LIST
( To be filled by the Tenderer duly signed and stamped )

1. Whether the tenderer is a Manufacturer                                Yes/No
2. Whether the tenderer is a exclusively authorized marketing outlet of a manufacturer Yes/No
3. If the reply against(2) above is yes, then indicate name & full address of the Principal.
4. In case of (2) above whether the Principals Authorisation as Exclusive Authorised Marketing Outlet is enclosed with the offer Yes/No
5. Acceptance of 6 months offer’s validity period as per clause No.3 of Annexure B of NIT Yes/No
6. Whether quoted prices are FIRM/VARIABLE as per clause No.5of Annexure’B’ of NIT Yes/No
7. Whether Price quoted is on FOR destination basis as per NIT Yes/No
8. Whether Payment terms as per clause No.6 of Annexure ‘B’ of NIT accepted Yes/No
9. Whether Liquidated damages & Risk purchase clause as per clause No.10 of Annexure ‘C’ of NIT accepted Yes/No
10. Whether acceptance of Price fall clause as per clause 15 of Annexure’C’ of NIT accepted Yes/No
11. Whether banned or delisted by any Govt or Quasi Govt Agency/PSU Yes/No

NOTE: NON-AcCEPTANCE OF ANY OF THE TERMS AND CONDITIONS MAY LEAD TO REJECTION OF OFFER/THE OFFER MAY BE TREATED AS UN-RESPONSIVE.

SIGNATURE OF THE TENDERER WITH SEAL & STAMP
ANNEXURE-‘A’

PUR/570041&46/ Compressor/09-10/E&M/50

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>NIT QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Air Compressor with suitable Motor and Starter for installation on surface.</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Air Compressor will be Screw type along with following specifications:-</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Free Air Delivery:-28.30 Cubic meter per minute(1000cfm)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Working pressure:- 8.5 Kg per square centimeter with complete 550V, 3 phase,</td>
<td></td>
</tr>
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<td></td>
<td></td>
<td>AC System voltage with solid neutral grounding system, coupling arrangement</td>
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<tr>
<td></td>
<td></td>
<td>between Compressor and Motor to be provided with the equipment with</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>reservoir of 5 cubic meter capacity and inlet outlet valves</td>
<td></td>
</tr>
</tbody>
</table>

SPECIFICATIONS OF SURFACE AIR COMPRESSOR

1.0 SCOPE :- GENERAL

The Scope of supply shall include design, Engineering, manufacturing, testing at manufacturer’s works, packing, forwarding, transportation, supervision of erection and commissioning, on site performance/testing of the Air Compressors and Air Dryers, all instrumentations and accessories for the satisfactory operation of the equipments at site. This also includes supply & commissioning compressor and dryer along with required quantity and specifications of consumables, special Tool and tackles( if any ) etc.

List of spares for two years troublefree operation as well as insurance spares shall be furnished with item wise price breakup.

2.0 SITE CONDITIONS:- The equipments shall be erected and commissioned at the specified locations in the mine premises. The prospective bidders, if required, may visit Moonidih and P.B. Project before their offer.

3.0 DESIGN AND COSTRUCTION:

Design and construction requirements of the equipments shall be as per the specifications in the enclosed Annexure-A. The system covered herein includes generation and distribution of compressed air at the specified working pressure complete with metering devices, controls and instruments.

4.0 APPLICATIONS:-

The compressed air will be used for various services, which includes decked devices, ram operations, pneumatic pumps, roof-drilling, gate opening/closing, cleaning requirements, pneumatic winches which are connected with production and safety.

5.0 CODES AND STANDARDS:-

The items covered in this specification shall be as per relevant codes & standards.
6.0 TECHNICAL DETAILS:-
The bidder shall submit the following details/documents with the offer -:

(i) G.A and Cross sectional drawings of Air Compressor and dryer along with auxiliaries indicating material of construction showing overall dimensions and weight.
(ii) Filled in data-sheet for the offered model.
(iii) Calculation of the power consumption of the continuously rated electrical motor at the rated capacity (FAD at the working pressure) considering ambient temperature upto 48°C & 98% RH.
(iv) Foundation requirement for Air compressor and dryer including foundation bolt sizes & locations, grouting details, anchorage details, foundation opening etc. (as applicable)
(v) Dimension and weight of single largest piece & other information regarding hoisting & handling required for maintenance.
(vi) Predicted performance curves.
(vii) Confirmation on supply of erection – commissioning manual of Air compressor and dryer.
(viii) Confirmation on supply of operation – maintenance manual of Air compressor and dryer.
(ix) Technical literature/catalogue of Air compressor, compressor control panels with all accessories.
(x) Electrical and instrumentation drawings.
(xi) G.A, SLD, Schematic, internal – external G.A., configuration diagram and wiring diagram for the PLC/ microprocessor based control panel showing interface, if any.
(xii) Instrument data sheets for all instruments.
(xiii) Cable and junction box data (as applicable).
(xiv) Instrument list.
(xv) List of special tools, tackles & accessories required for assembly, erection, testing, start-up and commissioning, and operation.
(xvi) Additions/exclusions in the scope of supply, if any.
(xvii) Operational write-up.

7.0 EXCLUSIONS:-

(i) Civil works like foundation for the Air compressor and Air Dryer.
(ii) All piping work from the receiver upto the individual consumers.
(iii) Handling equipments such as crane, hoists etc. However, suitable and adequate lifting lugs, bolts etc that are required to handle the equipment are to be provided.
(iv) Power supply at a specified location.

8.0 TECHNICAL REQUIREMENTS:-

(i) Each compressor unit will be complete with S1 duty motor of suitable capacity and shall have adequate margin over rated capacity of the compressor not less than 10%.
(ii) Suitable lubrication system for bearings and other moving parts of the compressor will be provided. The lubrication system shall be complete with necessary filters/strainers, oil coolers, level indicators, pumps, pipes, valves,
drain plugs, fittings etc. The system shall include air-oil separation tank with
air-oil separator element, oil pump, oil level indicator, safety valve, minimum
pressure valve, drain tube and filling plug etc.

(iii) Each compressor unit will be provided with dry-type heavy duty air intake filter
of 3 micron or less with a vacuum sensor for service purpose. The unloader assembly
will have pneumatically operated piston type inlet valve and minimum pressure
valve with non-return valve. For moisture separation there will be moisture separator
with both automatic and manual drain facility.

(iv) COOLING ARRANGEMENT:- The compressor should be air-cooled type. The
cooling system should have suitable after coolers for lower approach temperature and
is to be cooled by two axial cooling fans driven by TEFC, IP-55,SI Squirrel cage
induction motors.

(v) REGULATION SYSTEM:- The compressor will be equipped with automatic full
load/no-load regulation system to regulate the compressor capacity within a fully
adjustable pressure range.

(vi) CONTROL PANEL:- The microprocessor based control should be comprising of
a number of modules for controlling and monitoring the compressor operation based
on input from pressure and temperature transducers/sensors to indicate the following
status of the compressor:-

- Start / Stop
- System voltage ON
- Automatic operation mode.
- Compressor Loaded.
- Compressor Unloaded.
- Compressor maximum working pressure.
- Local/Remote compressor control
- Emergency Stop.
- Test/Reset.
- Compressor-Running.

(vii) NUMERICAL READOUTS:-

TEMPERATURES
- Delivery Air.
- Oil
- Cooling oil IN
- Element Cooling oil OUT.
- After Cooler Cooling oil OUT.
- LP element outlet.
- HP element inlet.
- HP element outlet.

PRESSURES
- Delivery Air.
- Air filter Pressure differential.
- Intercooler.
- Oil.

HOUR METER
- Total loaded Hours.
- Motor Running Hours.
-
SERVICE REQUIREMENTS INDICATIONS
- Air Filter
- Oil Filter
- Oil life time.
- Regreasing of Motor
- Sensor Error.

SAFETY WARNING INDICATIONS
- Low Oil Pressure
- High Oil Temperature.
- High LP outlet temperature.
- High HP inlet temperature.
- High HP outlet temperature.

SHUT-DOWN INDICATIONS
- Emergency Stop.
- Drive motor overload.
- Low Oil pressure.
- High Oil Temperature.
- High outlet Temperature.

viii) The microprocessor based control should also have automatic feature to reduce
the idle time to minimum by stopping the drive motor after reaching the
unloading pressure in anticipation of extended unloading running.

ix) PRESSURE MEASUREMENT
The pressure measurement will be at the end of the after cooler and
moisture trap, and this will be the pressure available to the mine.

x) BEARINGS – Suitable heavy duty radial and axial bearings to take care of
radial and axial load on the rotor.

xi) SCREW PROFILE – Asymmetric Profile and dynamically balanced.

xii) NOISE LEVEL -
The compressor will be supplied with sound absorbing canopy having noise
level below 75 db(A) at a distance of 1.5 M.

xiii) CAPACITY CONTROL :- The compressor will have capacity control over full
range and for this, suitable air intake valve( at Sl.No8.0(iii) ) and other
connected system shall be provided.

xiv) Each compressor will be provided with inter cooler ( if applicable ), after
cooler, separate moisture separator and air receiver.

xv) Adequately robust supporting structures for minimum vibration and
foundation/floor mounting, having common base frame for motor and
compressor.

9.0 ELECTRICALS:
MOTOR TEFC, Squirrel Cage Induction Motor having IP-55 Protection, S1
duty, Class – ‘F’ insulation with temperature rise restricting to class – ‘B’
suitable for S/D start.Motor should be suitable for 3-4 start/stop in an hour.
Motor Power transmission to the compressor element will be through suitable
flexible rubber stud Coupling and step-up gears.
MAKE:- CGL/Marathon/Siemens/ABB/KEC/NGEF motor shall be provided
with necessary grounding lugs, lifting eyes and safety guard cover over the
coupling.
SYSTEM VOLTAGE:- 550V± 10% 3-Ph, 50 Hz ± 3%. 
STARTER: FASD, Inbuilt, suitable for the drive motor complete with all standard protection system like O/L, E/L, SPP, for Solid grounded neutral system.

A metal paneled silencing hood with extended canopy shall be provided with fire resistant and self extinguishing noise insulating foam and lockable doors mounted on the base frame, having the roof inlet and outlet gratings for ventilation which should also ensure easy access to the unit in case of cooling air ducting.

10.0 Q.A. PLAN: The bidder shall submit their detailed quality assurance plan being followed in the works. A stage wise quality control system along with the tests may also be indicated.

11.0 TESTS & TEST CERTIFICATE: Works test certificate for the duty parameters of the compressor, Motor manufacturer’s T.C and for other components/assemblies/Sub-assemblies related –T.C. shall be submitted along with the supply.

12.0 GENERAL TERMS & CONDITION:

i) All first fill of lubricants will be under the Scope of the supplier.

ii) 2- Copies of erection – commissioning and operation – maintenance manuals each will be supplied with each compressor.

iii) Power Cable connection upto the compressor panel will be under the scope of BCCL, rest of the electricals will be under supplier’s scope.

iv) The FAD of the compressor at the specified working pressure shall be demonstrated by the supplier during the commissioning of the equipment at the site and to the satisfaction of the BCCL.

v) Statutory test certificates related to air receiver of capacity 5 Cu.M. will be submitted with the supply.

vi) All piping work along with supply of suitable pipes from compressor to the receiver shall be under the scope of the supplier.

1. Type of Compressor - Screw Type, Single Stage, Oil injected, for Indoor installation, alongwith separate air receiver(cap.5Cu.M.) with inlet, outlet valves, Flanges, Pipes, etc.

2. Free Air Delivery – 28.3 Cu.M per min.

3. Working Pressure – 8.5 Kg/Cm2( At after cooler & moisture trap).

4. (Gauge Pressure)

4. Quality of Air – 100% Oil Free.

5. Cooling - Air Cooled.
6. Drive Motor - TEFC, S1 duty, class ‘F’ insulation, IP-55 Protection, suitable for 550V+ 10%, 3 Ph, 50 Hz + 3% Suitable for 3-4 start/stop in an hour.

7. Noise Level - Below 75 db(A) at 1.5 M from the equipment. The machine to be supplied with robust skid mounted base frame with vibration absorbing rubber buffers/Pads, and Sound proofing enclosures.

8. Controls & Displays - All standard controls along with digital display of all process parameters of compressor, as per specification.


10. Unloading Features - Automatic unloading when switched off or in case of Power failure.

11. Accessories & Instrumentation: - Control Panel - of 2.0 mm M.S. Sheet, Protection Class IP-54, Power coated (2 Coats of enamel after 1 Coat of Red.Oxide)

Motor Painting - Epoxy Painted.

Accessories - All electricals & instrumentation components shall be of reputed make/brand.

Control Wiring - Stranded Copper PVC insulated (ISI – Marked)

Air Receiver - 05 Cu.Mtr. (with all Statutory test report).

12. GENERAL - All companion flanges shall be in the scope of supply.

13. SCOPE OF SUPPLY - Bidder should confirm the scope of supply and service as per details specifications.

14. DEVIATIONS - If any, shall be clearly elaborated in a separate sheet with reference to the clause No. of NIT. In absence of such sheet it would be deemed that the bidder has taken no deviation from the NIT. Any other accessories, control etc not specifically mentioned, & the bidder feels necessary for efficient and trouble-free functioning/protection of equipment, may be elaborated clearly,. However, BCCL may or may not consider depending on the requirement.

15. The space requirement of each unit shall also be furnished (L x B xH)

16. Electrical Power requirement for each unit shall be indicated by the bidder.

17. SERVICE - Free service of Technical persons/Engineer for erection, commissioning and testing of the compressor for the desired duty parameters at the site.

18. After-Sales-Service - This shall be the essence of the order. The bidder must indicate the local (Dhanbad or
around Dhanbad based ) authorized person/agency to attend the break-down within 24 hours of the intimation, along with the availability of critical spares.

ANNEXURE- ‘B’

11) GUARANTEE/WARRANTY/PERFORMANCE BANK GUARANTEE

i) The item will be warranted against any manufacturing defects/workmanship for a period of 12 months from the date of commissioning or 18 months from the date of receipt and acceptance. Any defect observed on this account shall be attended to immediately and in no case beyond a period of one month. For specific warranty on assemblies and sub-assemblies, details given in Technical specification may be referred to.

ii) Special Warranty Clause:- If the order is decided to be placed on the bidder, the bidder should confirm against the clause that in the event of any breakdown or failure of performance due to defects in materials, design, workmanship, spare parts etc. BCCL shall promptly notify the supplier in writing of any claims arising under this warranty. The repairs replacement or rectification work shall be carried out by the supplier at site at no cost to the purchase within 21 days of settlement of warranty claims.

“At no cost to the purchaser” means, the supplier will have to bear all the expenses up to the destination site i.e. Ex-works prices, Excise Duty, Sales Tax, Insurance, Inland Transportation charges etc. as applicable to ensure free delivery of warranty replacement at BCCL colliery sites.

The supplier will be required to stock spares to take care of warranty period breakdown. Spares should be available immediately from the date of intimation of breakdown.

iii) The suppliers must ensure that there is no major breakdown due to Manufacturing/ design defect during the warranty period. In cases such breakdown occurs, the purchaser will reserve the right to extend the warranty period suitably as per the availability clause mentioned in the Technical Specification.

iv) A Performance Bank Guarantee on Scheduled/Nationalised Bank in India valid for 18 months from the date of receipt/acceptance for 10% Value of the order as a coverage towards the supplier’s performance against the contract (in the standard format Appendix-III enclosed herewith), must be submitted within 20 days of placement of order. No payment will be made without submission of the performance bank guarantee. The order value means F.O.R. destination price including taxes, duties, transportation & insurance charges and other charges. The performance bank guarantee is required in case of supply of equipment.

PAYMENT TERMS:-

80% PAYMENT AFTER SUPPLY AND ACCEPTANCE OF MATERIAL WITHIN 30 DAYS OR SUBMISSION OF BILL WHICHEVER IS LATER AND BALANCE 20% PAYMENT AFTER SUCCESSFUL INSTALLATION AND COMMISSIONING WITH CERTIFICATION OF CGM (E&M), BCCL.

MM(P)
PLEASE CONFIRM FOLLOWING ADDITIONAL CHECK LIST FOR COMMERCIAL TERMS ALONG WITH YOUR TENDER.

<table>
<thead>
<tr>
<th>Commercials Terms as per NIT</th>
<th>To be submitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Submission of original Tender specific authorization from your Manufacturer/Principal . if Tenderer is a dealer</td>
<td>To be submitted</td>
</tr>
<tr>
<td>2. Security-Money(Exemption allowed for State/Central Govt. Organization /PSU&amp; DGS&amp;D/NSIC/Ancillary of BCCL registered for tendered items, Notarised copy of registration is required.</td>
<td>To be accepted /To be submitted</td>
</tr>
<tr>
<td>3 Submission of Notary certified copy of valid registration of BIS/DGS&amp;D/DGMS/NSIC etc if Manufacturer</td>
<td>To be submitted</td>
</tr>
<tr>
<td>4(a) Price must be FIRM &amp; on ” FOR Destination(ultimate consignee)</td>
<td>To be accepted</td>
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</tbody>
</table>
| 4(b) Pl. confirm that price in your price bid is given” with break up as under without mentioning the price :-  
  c) EX works price,  
  d) Current rate of ED if applicable  
  e) Current rate of Sales Tax.  
  f) Freight & Insurance,  
  g) P&F charges  
  h) Current rate of any other statutory duty if applicable | Please confirm (Without quoting Price) whether price bid submitted by you covers the price break up as given at sr no 4(b) |
<p>| 5 . Acceptance of Jurisdiction of Dhanbad Court and Jharkhand High Court in case of any legal dispute. | To be accepted |
| 6. For Imported items price will be on FOR Delivery port and must be firm. (Discount against FOB price attracts custom duty etc.) Pl. confirm the chapter no of custom duty under which item is covered along with rate of custom duty and counter veiling duty. | To be agreed |
| 7. Delivery Clause | To be offered / accepted with prefixing of word “Within” |
| 8. Submission of Performance Bank Guarantee | To be accepted |
| 9. Acceptance of Force majure clause | To be accepted |
| 10. Inspection Clause as per NIT | To be accepted |
| 11. Have you submitted Warrantee/ Guarantee as per NIT | To be accepted |
| 12. Pl confirm all other commercial terms as per NIT. | To be accepted |
| 13. Submission of self attested Order copies for NIT Items | To be submitted |
| 14. Bank Details | To be submitted |
| 15. Ultimate Consignee | To be accepted |
| 16. Packing for Transit clause | To be accepted |</p>
<table>
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<tbody>
<tr>
<td>17. Have you submitted tender fee or proof of payment of tender fee in part I as indicated in Annexure-B</td>
<td>To be checked</td>
</tr>
<tr>
<td>18. Have you carefully prepared and signed with name &amp; Designation and stamped the company’s seal on all the pages of the tender document.</td>
<td>To complied with</td>
</tr>
<tr>
<td>19. Have you enclosed a blank format of price bid as quoted by you(Without Price) along with your offer with the confirmation that price bid have been carefully prepared and signed on all pages of the price bid.</td>
<td>To be complied with</td>
</tr>
<tr>
<td>20. Have you accepted to furnish the import documents from your principal.</td>
<td>To be complied with</td>
</tr>
<tr>
<td>21. Have you accepted to furnish certificate along with your offer of your auditor certifying that you have paid customs duty as per prevailing customs rate and refund if any shall be passed on to the buyer.</td>
<td>To be complied with</td>
</tr>
<tr>
<td>22. Have you submitted the requisite EMD or have enclosed proper document notarised as per NIT for exemption in submitting EMD.</td>
<td>To be complied with</td>
</tr>
<tr>
<td>23. Have you sought any deviation in commercial or technical parameters</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>24. You must confirm your TIN No./PAN./CST No. etc. whichever is applicable.</td>
<td>Must be indicated</td>
</tr>
</tbody>
</table>

NB:- (A) All commercial terms of the NIT schedule must be accepted in toto. In case if you deviate on any of the commercial terms of the NIT, that must be pointed out specifically.

(B) Management reserves the right to increase or decrease the Quantity against any/all the items of the tender by not more than 20% of the tendered Quantity.

(C) In case, if the opening date of tender falls on Holiday or on Saturday, the tender shall be opened at 3 P.M. on immediate next working day.

(D) Delivery Schedule:- Minimum delivery time to be offered

(E) Venue of Tender Opening:--Office of CGM(MM), BCCL, Koyla Bhawan, Dhanbad.

MM(P)
Details technical specifications of Air Compressor

<table>
<thead>
<tr>
<th>Description</th>
<th>Technical Specification</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Compressor with Motor &amp; Starter for installation on surface</td>
<td>Air compressor will be Reciprocating Type along with following specification:- Free Air Delivery – 30 M³ Per Minute Working Pressure – 8 Kg Per cm² (Approx) The compressor is required along with suitable Motor &amp; Starter 550 V, System voltage with solid neutral grounding system, coupling arrangement between Compressor &amp; Motor i.e. provided along with the equipment.</td>
<td>4 sets</td>
</tr>
</tbody>
</table>