

BHARAT COKING COAL LIMITED

(A Subsidiary of Coal India Limited)
Office of the General Manager (EXCV)
EXCAVATION DEPATRMENT
L-IV , Koyla Bhawan : Koyla Nagar
Dhanbad : 826005
(Fax No- 0326-2230177)

**Under jurisdiction of Dhanbad Court and
Jharkhand High Court only.**

TENDER NO – BCCL/GM (EXCV)/I-3/ REPAIR EKG HMB437/ SHATABDI OCP/ 09-10/600

DATED- 06/08/09

ISSUE OF TENDER DOCUMENT – BEGINS ON - 11.08.09

CLOSE ON - 27.08.09

DUE DATE & TIME FOR SUBMISSION- on 28/08/09 by 1.00 PM

DUE DATE & TIME FOR OPENING- on 28/08/09 by 4. 00 PM

COST OF TENDER DOCUMENT	RS. 5000.00
ESTIMATED VALUE	RS 66,36,867.00
REQUIRED AMOUNT OF EARNEST MONEY (Please see clause no.10 & 13)	Rs 132737.00

REQUIRED AMOUNT OF EARNEST MONEY – (Please see clause no.10 & 13)

TENDER ENQUIRY

Document issued to:	If this Tender Document has been downloaded from our website Part-III envelope (Clause 8[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.
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Dear Sirs,

Sub: Notice Inviting Tender for Renovation/Repair of ---5.0 Cu.Mtr Electrical Rope Shovel EKG/ Sl. NO-HMB-437 at Shatabdi OCP, Barora Area, BCCL along with supply of original/ quality components.

1. Sealed tenders are invited in duplicate only from the **Proven** repairer /OEM/OES or their exclusively authorized and supported sole selling repairer for repair of 5 Cu.M Electrical Rope Shovel S. NO-HMB-437 at Shatabdi OCP, Barora Area, BCCL. Detailed specifications as **scope of job , major parts required** and **Terms & Conditions** enclosed as annexure – “A , B & C”.

A) PROVENNESS CRITERIA

A. PROVEN MEANS THOSE MANUFACTURERS/ REPAIRER WHO SUCCESSFULLY REPAIRED/SUPPLIED SHOVEL AND COMMISSIONED THE TYPE AND MODEL OF THE SUBJECT EQUIPMENTS OR EQUIPMENTS OF SIMILAR TYPE IN THE PAST TO THE MINING INDUSTRY AND / OR TO THE OTHER INDUSTRIES (GOVERNMENT / PUBLIC SECTOR UNDERTAKING – INDIGENOUS OR GLOBAL AGAINST REGULAR (FIRM) ORDER (NOT TRIAL ORDER) .SUCH EQUIPMENTS HAVE GIVEN SATISFACTORY PERFORMANCE & GUARANTEED AVAILABILITY FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM THE DATE OF COMMISSIONING AS SPECIFIED IN THE CONCERNED ORDER/ORDERS (EXCUTED ORDER COPY / COPIES ARE TO BE ATTACHED) .

B) QUALIFYING CRITERIA

The eligibility criteria of bidder will be as under:-

(a) The bidder must have in its name as a prime contractor experience of having successfully completed similar works during last seven years ending last day of month previous to the one in which bid applications are invited (i.e. eligibility period) should be either of the following:-

Three similar completed works each costing not less than the amount equal to 40 % of the estimated cost.

OR

Two similar completed works each costing not less than the amount equal to 50 % of the estimated cost.

OR

One similar completed work costing not less than the amount equal to 80% of the estimated cost.

(b) Average annual turn over of repair work during last three years, ending 31st March of the previous financial year should be at least 30 % of the estimated cost.

The bidder must submit documentary evidence in support of (a) & (b) above in the form of self certified copy of work order, completion certificate, payment certificate indicating the period of work for which the payment has been made.

2. The offers are to be submitted before the closing date and time as mentioned above. Late submission of Tenders will not be considered.

3. Tenders may be deposited in person by the bidder in the Tender box available in the Office of the General Manager (Excv) Excavation Department , Bharat Coking Coal Limited , Level –IV , Koyla Bhawan , Koyla Nagar , Dhanbad on any working day between 9.30 AM to 5 P.m or sent by post or courier to the above address . Bharat Coking Coal Limited, however, department does not take any responsibility for loss of tender in transit. Tender must be received on or before the due date and time of submission of tender. Tender received after due date of submission of the tender shall not be considered.

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 scope of jobs
- ii) Annexure 'B' - Major required parts list
- iii) Annexure 'C' - Commercial & Guarantee /Warranty terms.

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. In other words it contains the required details as per annexure A to C as stated at clause 6. However, this should not contain the price. The envelope should be sealed superscripted 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 super scribed with the tender number and the date of opening and must mark Part II.

(c) “Part – III” [Applicable for those participants who down load tender documents from our web site.]

In this case the intending tender participant 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, superscripted 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 and time 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 participants who have down loaded 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 liable to be rejected.
- b) If tender discloses 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.

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 be suitably be intimated to such bidders whose offers are found techno-commercially acceptable.

9. 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.

10. Earnest Money:

An Earnest money of **RS. 132737.00** 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.

- a) If it accompanies with Part-II (Price bid) , it will be presumed that party has not deposited the requisite Earnest money and their offer shall be considered unresponsive.

11. Security money – Successful bidder will be required to deposit security money in the form of Bank Draft / Bank Guarantee of any schedule Bank of 10% value 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 order shall be cancelled and the case 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 items and conduct the repair against the order) For unsatisfactory performance and/or contractual failure the security money shall be forfeited. Please note that security money may be converted in to Performance Bank Guarantee wherever required . Please note that validity of Performance Bank Guarantee shall be as per clause of Commercial terms & conditions. Please confirm the acceptance of this clause clearly.

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

13. 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.

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

15. Tenders of those parties 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 confirmation will attract the action against such party as per CIL rules / procedure will be taken.

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

IMORTANT NOTE:.

(i). The tender participants 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. Parties 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. Offers as asked must be submitted complete in all respects.

(iv). Self attested copies of orders received from subsidiaries of CIL and others for the similar repairs 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 concerned official letter head (Hand written quotation will be summarily rejected). If firm's letter heads are not sufficient to accommodate technical and pricing details preferably bigger papers may be used, such sheets along with other pages of the offer should be signed and stamped by company's authorised signatory.

(vi). All pages of tender documents should be signed including all enclosures submitted with the tenders except printed leaflets / catalogues and have company's seal . This is must otherwise offer shall be rejected.

(vii) Erased and over written quotations will be summarily rejected unless corrections are authenticated with the authorised signature.

(viii) BCCL reserves the right to increase or decrease the tendered qty. against any/all the items of the tender.

(ix). The party 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 parties 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) BCCL reserves the right to follow any concern guide lines or instructions received from CIL, GOVT. of INDIA, any Statutory body time to time.

(xii) As per Central Vigilance Commission (CVC) guidelines, 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)

(xiii) If L1 party do not have adequate capacity to supply full quantity tendered , the uncovered quantity order may be distributed to L-2 party at L-1 rate (if agreeable by L2).

Not withstanding 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

General Manager (Excavation),HQ
For & on behalf of Bharat Coking Coal Limited .

Technical Specifications

ANNEXURE- “A”

Preface - Instructions to Bidders

- 1. Complete overhauling of the undercarriage assembly with materials. Both side cat frame to be taken out from car body , bushes and bearing axle etc are to be fitted after necessary line boring and repairing. Fitting of all spares as per OEM specification after building up both sides take up axles.**
- 2. Overhauling of Travel Reducer Gear Box.**
- 3. Minor repair jobs are to be done in Hoist winch and all the foundation bolts and studs are to be replaced. Mounting of Hoist Drum drive arrangement properly.**
- 4. Inspection and rectification of any defect found in Boom Hoist Lubrication system. Boom foot pin housing is to be repaired and rebuild with suitable electrode. Boring is to be done for proper alignment, fitment and erection of Boom assembly.**
- 5. Complete overhauling of the Final Drive assembly with materials**
- 6. Complete overhauling of the Crowd Gear Mechanism with material and installation of Brakes.**
- 7. Repair of Dipper handle assembly with all necessary line boring of worn out holes and bush fittings.**
- 8. Repairing of the worn out lip area portion of the Bucket assembly.**
- 9. Reconditioning of Dipper Handle assembly with necessary bolts, Nuts, Washers, Pins etc.**

Electrical job;

- 1. Correction of HT/ AC Cabinet**
Defective components are to be replaced, rewired, system is to be made as per design requirement and satisfying the statutory requirement of IER 56.
- 2. Aux. transformer**
Checked, tested, cleaning and re topping with filtered tr.oil.
- 3. Correction of DC and Relay panel**
Defective components are to be replaced, rewired, system is to be made as per design requirement and satisfying the statutory requirement of IER 56.
- 4. Correction of operator /indicator panel and master controller**
Defective components are to be replaced, rewired, system is to be made as per design requirement
- 5. Fitment and correction of all cooling units (body cooling & drive cooling) , correction of brake assemblies, making them operative as per standard.**
- 6. Alignment of M-G set; required to be corrected with needful material. Drive motors foundation to be checked and corrected where ever needed. Lubrication of all motors and generators.**
- 7. Entire drive parameters are to be set as per standard and test report to be submitted.**

Site Visits

The Bidder prior to making any Bid calculation and as part of the preparation of it's Bid, shall be deemed to have visited and inspected the Site(s), made all enquiries and collected all information documentary or otherwise, including climatic conditions, as considered necessary by the Bidder for the proper and accurate preparation of it's bid. Scope of jobs as defined is on the basis of present assessment of said equipment. Bidders have liberty to quote their offer with justification, considering real conditions and desired performance based warranty/ guarantee.

Technical Response

Bidders shall provide a Clause by Clause commentary demonstrating compliance with the Purchaser's Technical Specifications, identifying any deviations thereto, together with full supporting technical literature and data sheets. The offer by Bidders will be evaluated technically based on the information presented in the bid without reference to extrinsic evidence.

Additionally Bidders shall provide the information specifically requested in the Attachment to the Technical Specifications.

Failure to provide any information requested in any part of this specification may deem the bid non-responsive.

Erection/Assembly, Commissioning and Performance Testing

The Supplier shall provide the Services of Specialist Technicians to supervise the installation/erection/assembly, commissioning and any performance testing of the plant, Equipment and accessories supplied..

The Technicians shall remain at site following commissioning until all necessary personnel are fully conversant with the maintenance and operation of the Equipment.

Standards

Beside conforming to the Standards specified in the Equipment Specification , the Equipment shall also has to meet approval of the Statutory Government Authorities including Director General of Mines Safety (DGMS) having jurisdiction over the Equipment and its use.

The system of units for all measurements shall be the **Système International d'Unités (S.I.)**.

Safety- The bidder shall have to ensure complete safety of workman and Machines under his control and shall wholly responsible for their safety. All safety norms as laid down by DGMS with respect to the equipment shall have to be strictly adhered to by the bidder.

Suppliers Responsibility

The Purchaser requires that the Supplier shall accept responsibility for the provision of complete operatable and compatible Equipment and systems within the Scope of Supply. This document identifies only the major items required for the installation and the Supplier shall ensure that the total supply includes all necessary Equipment for it to function effectively and safely. Any additional items the Supplier considers necessary to ensure compliance with such a requirement shall be identified and included.

If the Supplier observes that this Specification document contains any anomalies, ambiguities, flaws, errors or omissions, the Supplier shall immediately bring these to the attention of the Purchaser.

The Supplier shall be responsible for the testing and commissioning of the Equipment and ensure that it meets the requirements as specified. The commissioning and setting to work of the whole Equipment Supply package shall be carried out under the supervision of the Supplier in conjunction with the Purchaser's nominated personnel.

ANNEX-B

B. Spare Parts Provisions

- Major spare parts have been assessed to be procured for commissioning of Shovel is enclosed at annexure - I
- Parts are required to be supplied in module to the consignee store.
- After inspection and acceptance of parts supplied in module and additional rest major parts (already available with project/BCCL) will handed over to the qualified and job awarded party (on the merit and tender proceedings and competent approval) for further assembly and commissioning. Necessary account of total parts delivered and subsequently consumed by the repairer will be maintained by the project.
- All necessary fitment accessories, base material, wires, jumpers, insulators, studs, fasteners, connectors and sub structures are to be provided by repairer under repair head
- Parts supply along with repair under scope of job will be awarded to one single competent party in turn-key basis.

ANNEXURE- C

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 party/bidder along with full details of the contacts persons, Telephone No, Fax No. , E. Mail address etc.
 - ii) Details of relevant order received giving the name of the buyer, their address and country, Details of collaborations, if any.
 - iii) 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.
 - iv) 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.
- V. Confirmation about spare parts support offered for the entire life of the machines.
- VI. A separate list of Tools and Tackles required for normal maintenance should be submitted.
- 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 dispatch 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
 - b) Freight , Insurance ,Packing & Forwarding charges on lump-sum basis.
 - c) Excise duty if applicable (It will be payable extra on Ex-works price basis) against documentary evidence.
 - d) Sales Tax (It will be payable extra as applicable)
 - e) Other Charges, if any.
 - f) Landed Price as a summarization of all above elements.
 - g) Service Charges.
 - h) Service Tax.

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.

- ii) 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. 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, in case a party do not specify the basis of price or quoted on ex-works or FOR dispatching station basis , the price will be loaded to arrive at the F.O.R. destination price on the following manner.

Approximate distance of dispatching Station from Consignee's end.	Percentage FOR dispatching station price regarding Freight.	Packing and Forwarding Charges	Transit Insurance Charge
Above 2001 Km	5%	2%	½%
1501Km - 2000 Km	4%	2%	½%
1001 Km -1500 Km	3%	2%	½%
501 Km – 1000 Km	2%	2%	½%
Below 500 Km	1%	2%	½%

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 Depot Officer, Regional Stores, Barora Area of BCCL.

5. PRICE VARIATION: 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;-

90 % payment of the work- order value will be released after successful completion of job and 500 working hours, balance 10 % payment after successful working of 3(Three) years or 10000 working hours of Shovel which ever is earlier

7. PAYING AUTHORITY; Dy CFM (P&P), HQ, Koyla Bhawan. BCCL

8. TRANSPORTATION (TO AND FRO) MEN AND EQUIPMENTS BOTH.

It will be met by the repairer

9. COMMISSIONING

The job is to be completed and systems are to be commissioned in all respect and handed over to CGM Barora Area after testing for seven days

10 FACILITIES TO BE PROVIDED BY BCCL

- a) Crane with operator and required slings will be provided
- b) Electricity at work site
- c) **Single point welding facility, if available(Any other point welding facility will be responsibility of the bidder).**
- d) Medical First aid if required.
- e) Supportive unskilled man-power for extra help and time to time supervision

11. SECURITY AT SITE

Area will arrange security arrangement at the rehabilitation site of project.

12. SUBMISSION OF BILL

- a) Spares bills to be submitted to Depot Officer, Regional Store, Barora Area, BCCL.
- b) Service bills to be submitted to Project Officer , Shatabdi OCP, Barora Area, BCCL.
- c) All certified and cleared bill will be forwarded to DY CFM (P&P) KB for payment through area.

13 SUPPLY & COMISSION

All the events are to be completed within 60 days after handing over of the machine for repairs to the repairer.

14 The delivery and job completion 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 and in completion of (assignments) job in time may attract penalty.

15. PRICE FALL CLAUSE.

- 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 offer to sell the stores of identical description to any other organization from date of offer till completion of supply under the contract.
- ii) If at any time during the said period the supplier offers lower sale price of 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 GM(Excv),Bharat Coking Coal Limited , 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 clauses.

16. GUARANTEE/WARRANTY/PERFORMANCE BANK GUARANTEE

Competent contractor will have to furnish warranty /guarantee of repaired portion of the equipment in term of machine availability as described below:-

To ensure the availability of the equipment not less than 80% , final NIT will have following terms;-

In the event that the Equipment fails to achieve the Availability as per above condition, the Supplier shall be liable to pay to the area/ colliery, as Penalty, a sum equal to, as indicated hereunder for each equipment:

- a) 1% of the delivered price of the repair and spare for every percentage reduction from the Guaranteed Availability for the first 5%
- b) 10% of the delivered price of the repair and spare for reduction beyond 5% from the Guaranteed Availability .

- When the supplier is unable to supply the replacement of a failed part under warranty within 21 days of giving intimation by the consignee and if the machine is commissioned by using the spare from the stock of the project the period (after 21 days) till the supplier replaces the part under warranty shall be treated as **“Deemed Breakdown”** (the credit for keeping machine available shall not be given to the supplier).
- The Supplier shall guarantee that the Equipment shall be available to perform its duty to minimum criteria and to the minimum 80 % availability so as in no way cumulative down time should be more than 20% in the head of contractor of total down time in different heads. The method of assessment applied shall be as follows:

Method of Assessment:

The following calculation shall determine the availability of the Equipment:

$$\% \text{ Availability} = \frac{\text{Scheduled Available Time} - \text{Downtime}}{\text{Scheduled Available Time}} \times 100$$

Scheduled Available Time shall equate to 24 hours.

Downtime shall mean all hours of work lost due to mechanical, electrical or other failure, including:

- a) routine servicing and maintenance in accordance with the manufacturer's published recommendations, including:
changing oils, oil filters and air filters; lubrication;

changing identified consumable or wear parts.

b) planned preventative maintenance programmes;

It shall not however include:

I. accidents;

II. strikes or stoppage of work by the Purchaser's/ user's personnel;

III. natural disaster;

IV. lack of Spare Parts not attributable to a failure of the Supplier, its Agents or Representatives.

The Purchaser will assist the Supplier, without relieving the Supplier of any other obligations under the Contract, to achieve the guaranteed availability by:

1. Providing co-operation to all Supplier's authorised representatives, complying with all reasonable procedural suggestions to improve efficiency of machine operation or reduce downtime.

2. Where appropriate, providing and maintaining such conditions as:

- Proper electrical Supply
- Terrain Area
- Reasonable floor conditions

3. Providing all Supplier's authorised representatives access at all reasonable times to the machine service and repair facilities. Observing the safety statutes and codes of safe working in equipment and in mine are directly responsibility of contractor or of contractor's workmen. Contractor will be responsible to imply proper/competent/ qualified personnel to the job.

Maintaining a logbook for each shift wherein the working hours, breakdown times, maintenance hours, idle time, etc. shall be recorded. This record will be available for examination and signature by the Supplier's representative.

17 i) Performance Bank Guarantee– Successful bidder are required to deposit money in the form of Bank Draft / Bank Guarantee of any schedule Bank of 10% value of the order (value means F.O.R destination price) on the day on which the Equipment is commissioned at the Site . Bank Draft should be drawn in favour of **Bharat Coking Coal Ltd” payable at Dhanbad** .In case they fail to deposit the same, the order shall be cancelled and the case 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 contract duration) For unsatisfactory performance and/or contractual failure the deposited money shall be forfeited. Please note that security money may be converted in to Performance Bank Guarantee wherever required.

ii) Successful bidder are also required to deposit money in the form of Bank Draft/ Bank Guarantee of any schedule Bank of 10% value of the order at the time of lifting of any failed parts/ assembly for repair and shall remain valid till delivery of repaired parts/ assembly to consignee.

18 Effect and Duration of Guarantee

1. This Guarantee shall become effective on the day on which the Equipment is commissioned at the Site. The issue of the Purchaser's Acceptance Certificate shall evidence commissioning.
2. This Guarantee shall remain effective for **36 months or 10000 working hours which ever is earlier** from the date of commissioning.

3. Within and after expiry of initial guarantee period of 36 months from the date of commissioning, BCCL may extend or terminate the contract order any time without any explanation to party. In case of extension of the contract, this will be done on agreement of party /contractor and on arrived fresh condition between user and contractor, if any, AM (EXCV) will seek a competent approval from BCCL authority for extension.

BCCL will have every right to recover damages as about actual, if any, arising out of contract to the machine.

ANNEXURE - B

LIST OF ITEMS

MECHANICAL SPARES

Sl.No.	PART NO.	DESCRIPTION	QTY.
1	104001001	PIN DIA 90	4
2	104001003	PIN DIA 75	2
3	104001015	PIN DIA 100	2
4	0140171	PUNCHED WASHER M90	8
5		PUNCHED WASHER M76	2
6	0140171	PUNCHED WASHER M100	2
7	10060102-II	BENT PIN DIA 16. L200	7
8	10060102-I	BENT PIN DIA 16. L175	6
9	10030106	BUSHING	8
10	10030110	BUSHING 100/140	2
11	100601101/ 104001101	LOCK BAR	1
12	100601104	PIN	4
13	100301304	PIN	1
14	100601106A/ 104001106	LOCK BAR LEVER	1
15	100101306	BUSHING	2
16	100301112A	LINK CHAIN12.5, L-1738	1
17	104002029	BOLT M42X 570	4
18	104002002	STOP	2
19	104002011	TIE ROD	2
20	104002031	PIN 16X 200	2
21	104002016	BUSHING	6
22	104002010	BUSHING	8
23	104003082	TIMBER CASING	2
24	014047	STUD M36 X 225	4
25	0140011	HEX NUT M36	4
26	104003800	SERVICE PLATFORM	1
27	104003310	BUSHING SADDLE BLOCK OUTER	2
38	104003220	BUSHING CROWD SHAFT	1
29	104003226	BUSHING CROWD SHAFT	1
30	104003311	BUSHING SADDLE BLOCK INNER	2
31	104003218	WASHER	2
32	104003233	WASHER	2
33	104003219	WASHER	1
34	104003207	RING	1
35	104003231	WASHER	1
36	104003232	WASHER	2
37	104003258	PINION SHAFT	1
38	104003253	GEAR	1
39	104003215	MOTOR PINION	1
40	104018300	LH ENGAGEMENT COUPLING	1
41	104018400	RH ENGAGEMENT COUPLING	1
42		COMPLETE SET OF HYD. HOSES	1

43		COMPLETE SET OF HYD. HOSES	1
44	104019021/ 10041930	DRIVING SHAFT	2
45	104019015/ 104019234	GEAR	1
46	104019016	PINION	2
47	104020000	HYD. CONTROL SYSTEM	1
48	104019027	BEARING AXLE	4
49	104019061	BUSHING	2
50	104019062	BUSHING	2
51	104019060	BUSHING	2
52	104019043	BUSHING	6
53	104019093	BUSHING	2
54	104019103	STEEL BUSHING	2
55	104019063	BUSHING	2
56	104019029	WASHER	2
57	104019023	WASHER	12
58	104019082	WASHER	4
59	104019019	WASHER	2
60	104019030	WASHER	2
61	104019025	RING	6
62	104019011	RING	4
63	104019024	RETAINER	6
64	104019021	RETAINER	4
65	10041959-1	RING	2
66	104019022/ 10041932	DRIVING WHEEL	2
67	104003700	CROWD BRAKE ASSLY	1
68	104018200	TRAVEL BRAKE ASSLY	1
69	430116800	SINGLE VALVE ELECT. PHENUMATIC	1

ELECTRICAL SPARES

SI.No.	PART NO.	DESCRIPTION	QTY.
1	IS	HT LOAD BRAKE SWITCH 40A, 11KV WITH SHUNT TRIP COIL 220V AC	1
2	MPR	MOTOR PROTECTION RELAY TYPE CTMFM, WITH EXTRANAL RESISTANCE SUITABLE FOR 220N AC MAKE ALSTOM	1
3	CBCT	CORE BALANCE CURRENT TRANSFORMER SUITABLE FOR 3.3 KV/ 6.6 KV	1
4	CT 1, CT 2	DUAL RATIO 60/5, 30/5, 6.6KV, 10VA CURRENT TRANSFORMER	3
5	CB	3 POLE 110V CIRCUIT BREAKER WITH UNDER VOLTAGE COIL LM 100 C ALSTOM	1
6	C3	3 POLE AC CONTRACTOR, 60A, 3NO+3NC	1

7	2T	AUX. CONTACTS,3TA,24-16 SIEMENS MAKE 1Q 3KVA,220V/110V TRANSFORMER	1
8	MPRX, 2AR, 3/3	POLE AC CONTACT,16A,COIL VOLTAGE 220V,AC 2NO+2NC CONTACT(AUX) 3TA-21-12 SIEMENS MAKE	3
9	ERF OLRH, 01	DC VOLTAGE RELAY, COIL 48V DC 2NO+2NC AUX CONTACTS VR-BHEL TYPE	4
10	2ARH	DC RELAY COIL VOLTAGE 110 V DC	1
11	CLB	CURRENT LIMITING BLOCK FOR SWING HOIST & CROWD	3
12	2 ARH	DC AMMETER 96X96 MM 2 SCALE(500-0-500 AM FLUSH MOUNTING SUITABLE FOR 75 MV DROP SHUNT)	1
13	DSS	4 POSITION 4 CONTACTS CONTROL SWITCH 20A, 110V DC PISTOL GRIP HANDLE TYPE	1
14	CSC	2 POSITION 2 CONTACTS CONTROL SWITCH 20A, 110V DC	1
15	CSH	3 POSITION, 4 CONTACTS CONTROL SWITCH 20A, M 110V DC	1
16	SW1	ON OFF SWITCH 40A, 240V AC USING HANDLE TYPE	1
17		BODY FAN BLOWER ASSLY WITH MOTOR	1
18		COMPLETE HT SHOE ASSLY	3
19		HT INSULATOR	20
20	RE-1, RE-2	WIRE WOUND RESISTANCE TUBE TYPE CP 300, M11.8	2
21	CB-2,CB-7,CB-M	3 POLE 100A CIRCUIT BREAKER WITH MAGNETIC SHORT CIRCUIT RELEASE, OLR RELEASE(17-25A) 2NO+2NC AUX SWITCH BLOCK TYPE: 3VA 71112T SIEMENS MAKE	3

ANTICIPATED SPARES

Sl.No.	PART NO.	DESCRIPTION	QTY.
1	104003001	RAILING	1
2	104003500	GUIDE ROLLER INSTALLATION	1
3		HEX BOLT M20 X 160	12
4		HEX NUT M20	12
5	104003015	SEAMLESS PIPE 18X3 L=578	1
6	104003025	SEAMLESS PIPE 18X3 L=528	1
7	104003019	WASHER	4
8	104003023	BUSH	1
9	PS009815	BRACKET	6
10	PS009812	PLATE, 17	6
11	104003020	DISTANCE RING	2
12	104003024	DISTANCE RING	2

13		ELBOW 10	6
14		SP ROLLER BEARING GPZ- 3624	1
15		GREASE NIPPLE CONICAL HEAD M16X1.5	14
16	104003203	FIRST REDUCTION CASING	1
17	104003275	COVER	1
18	104003254	PULLEY	1
19	104003255	OUTER RING	1
20	104003256	INNER RING	1
21	104003257	WASHER	2
22	104003259	NUT 105X2	1
23	104003261	PIN	1
24	104003262	LABYRINTH	1
25	104003263	ISPL 126 X 40 X6	4
26	104003264	PIN	1
27	104003265	THRUST WASHER	1
28	104003267	COUPLING NUT	1
29	104003270	COUNTER WEIGHT	1
30	104003306	TOP SLIDE	2
31	100603204/ 104003307	SIDE SLIDE	4
32	104003206	BRACKET	1
33	1071200	INSPECTION COVER	1
34	104003208	RING	1
35	104003213	CLAMP	4
36	104003204	BACKING BLOCK	4
37	104003222	CLAMP	2
38		EYE BOLT M12	2
39	104003260	LOCK WASHER	1
40	104003237	PACKING RING	4
41	104003278	FERRADO BRAKE LINING	2
42	3618	BEARING 3618	1
43	104009416	LEBYRINTH RING	2
44	104009410	RING	1
45	104009424	BOLT M30 X 170	2
46	104009425	BOLT M30 X 170	2
47		HEX BOLT M30 X 170	7
48		HEX FIT BOLT M 30 X 170	7
49		SPLIT PIN 63 X 56	18
50		HEX SLOTTED NUT M 30	18
51	104009419	DISTANCE BUSH	2
52		BALANCING PLATE 300X150X50	1
53	44100292	PLATE	2
54	44100295	PLATE	4
55	44100298	PLATE	2
56	44100296	PLATE	10
57		HEX SCREW M10 X 20	20
58		ELLEN SCREW M10 X 20	32

59		SPRING WASHER M 10	64
60		HEX SCREW M16 X 30	10
61		SPRING WASHER M 16	16
62		HEX SCREW M16 X 40	6
63		ELLEN SCREW M10 X 40	8
64		C HEAD SCREW M12 X 20	16
65		C HEAD SCREW M16 X 30	2
66	441006129	CHANNEL	4
67	441006103	PLATE	1
68	441006101	CHANNEL	1
69	104013002	STRIP	1
70	104013003	LOCKING PLATE	1
71	104013006	LOCK PLATE	2
72		HEX BOLT M 20 X 40	4
73	104018089	SPHERICAL WASHER 56	4
74	104018088	WASHER 56	4
75		HEX NUT M 56	4
76	104018087	BOLT M 56 X 370	4
77	104018086	LOCK NUT M 56	4
78	104013013	STRIP	2
79		HEX BOLT M 20 X 40	4
80	0140472	STUD A M 30 X 120 P	12
81		HEX NUT M 30	12
82	104003014	SHEAVE	1
83	104005017	SAFETY BRACKET	1
84	104005016	PIN	1
85		HEX BOLT M 36 X 220	4
86		HEX BOLT M 36 X 160	16
87		HEX NUT M 36	20
88		HEX LOCK NUT M 36	20
89		WASHER 36	20
90	104005025	DISTANCE RING	2
91	104005026	TAPER BUSHING	1
92	104005028	PIN DIA 60 X 130	1
93		PUNCHED WASHER M 60	2
94		ELBOW 3/8"	2
95		HEX BOLT M 20 X 90	2
96		NUT M 20	2
97	104005022	SOCKET	2
98		PIPE CLAMP -17	2
99		BOLT 20 X 30	4
100	104005021	TUBE L= 927	2
101	104005031	PIN DIA 30 X 240	1
102		GREASE NIPPLE	3
103		SPLIT PIN 10 X 71	2
104		SPLIT PIN 6.3 X 50	2

105	104005011	BENT PIN 18 X 218	2
106		HEX NIPPLE	2