BHARAT COKING COAL LIMITED
(A Subsidiary of Coal India Limited)
Office of the Chief General Manager(MM)
Materials Management Department
Commercial Block L-III , Koyla Bhawan : Koyla Nagar Dhanbad : 826005
(Fax No- 0326-2230183) Telegram: KOKINGKOL – DHANBAD
Web site : http:/bccl.cmpdi.co.in

Advertised open Tender **Under jurisdiction of Dhanbad Court only.**

TENDER NO : PUR/570095/Trunk & Gate Belt Conveyor/MND/08-09/16

DUE DATE & TIME FOR SUBMISSION— 08.06.09 UPTO 1 PM

DUE DATE & TIME FOR OPENING- 08.06.09 AT 3 PM

COST OF TENDER DOCUMENT – Rs 5000/-
REQUIRED AMOUNT OF EARNEST MONEY –Rs. 9,50,000/-
(Please see clause no.111 & 13)
C.R.NO……DATED…….

TENDER ENQUIRY

Document issued to: …….. …….. …….	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 Conveyor system consisting of Trunk Belt Conveyors & Gate Belt Conveyors with Qty consisting of 7 sets of Trunk Belt & Two sets of Gate Belt Conveyors**

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 **Conveyor system consisting of Trunk Belt Conveyors & Gate Belt Conveyors with qty consisting of 7 sets of Trunk Belt &Two sets of Gate Belt Conveyors** 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. MAY BE CONSIDERED IF THE FIRM OBTAINS PROVEN STATUS ON PERFORMANCE BASIS AGAINST SUCH TRIAL ORDERS.

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 down loaded 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 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 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. 9.50 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 in to 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.

IMORTANT 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 pricing details preferably bigger papers may be used , such sheets alongwith 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 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 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-assly of any particular Equipment,it will be considered proven for components of that particular sub-assly 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.

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,

For & on behalf of Bharat Coking Coal Limited .

ANNEXURE- B

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
   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)
   d) Sales Tax(It will be payable extra as applicable)

   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.

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%

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.

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

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;-

a) For indigenous supplies.

100% within 30 days of receipt and acceptance of the materials by the consignee or from the date of receipt of Bill , whichever is later by the consignee.

b) For imported supplies if Price is on FOB basis.

In case of imported items where the price is on F.O.B. value 100% will be paid against letter of credit. Balance .Agency commission will be paid in Indian Rupee .Clearly indicate the quantum of Agency Commission included in the F.O.B Price.

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.

The Bidders are required to submit the price on Composite basis only(on single package basis) for the 7 sets of Trunk Belt Conveyor and 02 sets of Gate Belt Conveyor. No individual price is to be quoted.

9..DELIVERY:- **Delivery Schedule:- Please quote your earliest delivery schedule but the entire Conveyor System consisting of 09 Sets has to be supplied within 08 Months or earlier from the date of receipt of Purchase Order.**

10.PENALTY FOR FAILURE TO SUPPLY IN TIME:

- As per Appendix -I

(a) 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 reseve 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-(This clause will be in place of above clause 11(a)(i) and 11(a)(iv).

(For Equipment only)

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 case 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 bidder shall be liable to pay extra costs provided it is mutually established that Force Majeure Conditions did actually exists.

c) If any of the force majeure conditions exists 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)

PENALTY FOR FAILURE TO SUPPLY IN TIME

APPENDIX-I

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 bidder must confirm the acceptance of this Penalty clause which will not be altered.

PRICE FALL CLAUSE.

APPENDIX-II

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.

APPENDIX-III

1. Messers ---------- 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 relived 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 (ANNEXURE "C")

(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

TECHNICAL ANNEXURE "A"

ITEM DESCRIPTION WITH QUANTITY DETAILS

CONVEYOR SYSTEM CONSISTING OF FOLLOWING CONVEYORS

Sr.No.	Description	Technical Specifications	Quantity
01	Trunk Belt Conveyor	Drive head with motorized loop take up(for each set), 410 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-60 Mtr, Speed-2.5 m/sec, Length:- 410 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x150 (FLP)	03 Sets
02	Trunk Belt Conveyor	Drive head with motorized loop take up(for each set), 250 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-45 Mtr, Speed-2.5 m/sec, Length:- 250 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x110(FLP)	03 Sets
03	Trunk Belt Conveyor	Drive head with motorized loop take up), 800 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-Level, Speed-2.5 m/sec, Length:- 800 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x110(FLP)	01 Set
04	Gate Belt Conveyor	Drive head with motorized loop take up(for each set), 800 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-Level, Speed-2.5 m/sec, Length:- 800 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x110(FLP)	02 Sets

Technical specifications for Troughed Belt Conveyors for installation In U.G Coal Mines

NOTE:-

1. **TENDERERS ARE REQUIRED TO SUBMIT THEIR TECHNICAL BIDS IN THE FORMAT GIVEN BELOW INDICATING THEIR ACCEPTANCE/REQUIRED INFORMATION IN THE COLUMN 4 AGAINST EACH CLAUSE OF THE SPECIFICATION GIVEN UNDER COLUMN 1,2 AND 3.**
2. **TENDERERS SHOULD CLEARLY INDICATE THE INFORMATION/DETAILS IN COLUMN 4 AS ASKED FOR, AVOIDING PHRASES LIKE "AS PER STANDARD " AS PER REQUIREMENT""EQUIVALENT MAKES " ETC.**
3. **TENDERERS SHOULD OFFER THE EQUIPMENT STRICTLY AS PER THE SPECIFICATIONS WITHOUT DEVIATIONS.**
4. **TENDERERS SHOULD ENSURE THAT ALL THE DOCUMENTS SPECIFIED AT CLAUSE NO.7.0.0 ARE ENCLOSED WITH THE OFFER WITHOUT FAIL.**
5. **TENDERERS SHOULD ALSO SUBMIT THE ENCLOSED CHECK LIST DULY FILLED IN AND SIGNED BY AUTHORISED PERSON WITH SEAL OF THE COMPANY.**

SR. NO. 1	DESCRIPTION 2	PARAMETER 3
1.0.0	SERVICE CONDITIONS	:
1.1.0	Place of installation	: Underground Coal mines
1.2.0	Duty	:Continuous(24hrs.\Day)
1.3.0	Maximum ambient air temperature	: 50 deg.C.
1.4.0	Relative humidity(Max)	: 98%
1.5.0	Environment	: Dusty(Mostly coal dust)
2.0.0	CONVEYOR DATA	
2.1.0	Capacity in TPH	: As per SOR given in annexure. A
2.2.0	Conveyor width in mm(Belt width)	: - D0 -
2.3.0	Total length of conveyor in Mtrs.	: As per SOR given in annexure.A
2.4.0	Belt speed in M/Sec.	: As per SOR given in annexure.A
2.5.0	Drive configuration	: As per SOR given in annexure.A
2.6.0	Take up travel in Mtrs.	: As per SOR given in annexure.A
2.7.0	Power Rating in K.W.	: As per SOR given in annexure.A
2.8.0	Type of enclosure for Motor & Starter(FLP/NFLP)	As per SOR given in annexure.A
2.9.0	Lift	: As per SOR (Annexure A)

3.0.0 SCOPE OF SUPPLY :

3.1.0 Drive head assembly consisting of below mentioned Components as detailed at Sl.No.5.1.0.0(5.1.1.0 to 5.1.10.17)

3.1.1.	Drive head frame	: Bidder to confirm
3.1.2	Pulleys with shafts	: Bidder to confirm.
3.1.3	Gear Boxes	: Bidder to confirm.
3.1.4	Motors	: Bidder to confirm.
3.1.5	Fluid couplings	: Bidder to confirm.
3.1.6	Out put couplings	: Bidder to confirm.
3.1.7	Equalizing gear (for tandem Drives)	: Bidder to confirm.
3.1.8	Bearing block	: Bidder to confirm.
3.1.9	Anti roll back device	: Bidder to confirm.
3.2.0	Starter as detailed at Sr.No.(5.2.1.0 to 5.2.12.0)	: Bidder to confirm.

3.3.0 Delivery Jib Assembly consisting of below mentioned components as detailed at Sr no.5.3.0.0(5.3.1.0 to 5.3.5.3)

3.3.1	Discharge pully with shaft	: Bidder to confirm.
3.3.2	Bearing blocks	: Bidder to confirm.
3.3.3	Jib Structure	: Bidder to confirm.
3.3.4	Belt scraper	: Bidder to confirm.

3.4.0 Tail end assembly consisting of below mentioned Components as detailed at Sr.No.5.4.0.0(5.4.1.0 to 5.4.6.1)

3..4.1	Return Pulley with shaft	:	Bidder to confirm.
3.4.2	Bearing blocks	:	Bidder to confirm.
3.4.3	Tail end structure	:	Bidder to confirm.
3.4.4	V-type plough scraper Return Belt	:	Bidder to confirm.
3.4.5	Wiper/ cum dust collector unit as per DGMS Circular No.4 dated 11.5.2004	:	Bidder to confirm.

3.5.0 Take up assembly consisting of below mentioned Components as detailed at Sr.No.5.5.0.0(5.5.1.0 to 5.5.5.0)

3.5.1	Take up pulley with shaft	:	Bidder to confirm.
3.5.2	Bend/diversion pulley	:	Bidder to confirm.
3.5.3	Bearing blocks	:	Bidder to confirm.
3.5.4	Take up trolley	:	Bidder to confirm.
3.5.5.	Take up structure	:	Bidder to confirm.
3.5.6	Hand/Motor operated Winches	:	Bidder to confirm.
3.5.7	V-type plough scrapper on return belt before take up	:	Bidder to confirm

3.6.0 Intermediate structure consisting of below mentioned components as detailed at Sr.No.5.6.0.0(5.6.1.0 to 5.6.8.6)

3.6.1	Stringers	:	Bidder to confirm.
3.6.2	Stools	:	Bidder to confirm.
3.6.3	Idler frames and brackets for carrying impact and transition idlers.	:	Bidder to confirm.
3.6.4	Idler brackets for return idlers	:	Bidder to confirm.
3.6.5	Carrying idlers	:	Bidder to confirm.
3.6.6	Return idlers	:	Bidder to confirm.
3.6.7	Impact idlers	:	Bidder to confirm.
3.6.8	Decking plates as specified at Sr.No.5.7.0.0	:	Bidder to confirm.
3.6.9	Protective guards/fences as specified at Sr.No.5.9.0.0	:	Bidder to confirm.

3.10.0 Accessories mentioned below as detailed at Sr.No.5.10.0.0(5.10.1.0 to 5.10.3.5)

3..10.1	Pull cord switches	:	Bidder to confirm.
3.10.2	Belt Sway switches	:	Bidder to confirm.
3.10.3	Pre-start Audio-visual warning alarm.	:	Bidder to confirm.
3.11.0	Required No .of fasteners	:	Bidder to confirm.

NOTE :- Belting is not included in the scope of supply.

4.0.0.0 : <u>GENERAL REQUIREMENTS</u> :

4.1.0.0 Modular construction –

4.1.1.0 The various components/ Assemblies have to be capable of dismantling transport and easy reassembly : Bidder to confirm.

4.1.2.0	It should be possible to take out and refit the components/assemblies without dismantling adjacent unit.	: Bidder to confirm.
4.2.0.0	Flexibility -	
4.2.1.0	The design of the drive head and other equipment shall be flexible so that they can be adopted to different mine conditions.	: Bidder to confirm.
4.2.2.0	The motor/Gear boxes shall be capable of being mounted on either the LH side or RH side depending upon the space available in underground.	
4.3.0.0	High reliability -	
4.3.1.0	The conveyors will have to be well designed and precision manufactured so that a trouble free service with a minimum of maintenance is guaranteed.	: Bidder to confirm.

5.0.0.0 DETAILED SPECIFICATION :-

5.1.0.0 DRIVE HEAD ASSEMBLY:

5.1.1.0	Design configuration	: As per enclosed sketch
5.1.2.0	Drive Head Frame	: Shall be made of heavy structured steel sections
5.1.3.0	Drive Pulleys & Shaft :	Both the drums of drive head should be lagged by 15 mm F.R.Sheet & solution
5.1.3.1	Drum Dia	: 800 mm
5.1.3.2	Drum width	1400mm
5.1.3.3	Shell thickness	: 20 mm.
5.1.3.4	Dia of Shaft at bearing seating	: Bidder to confirm
5.1.3.5	Shaft material	: Bidder to confirm

5.1.4.0 Snub Pulley & ShaftApplicable in case the drive configuration(Clause No.2.5.0) is Snub

5.1.4.1	Drum dia	: 550 mm.
5.1.4.2	Drum width	1400mm
5.1.4.3	Shell thickness	: 12 mm.
5.1.4.4	Dia of shaft at bearing seating	: Bidder to confirm
5.1.4.5	Wrap angle for Snap drive	: Not less than 210^0
5.1.5.0	Bearing blocks	:
5.1.5.1	Material of construction	: Cast steel
5.1.5.2	Type	: Heavy duty
5.1.5.3	Bearings	:Heavy duty self aligning spherical roller

		bearings.
5.1.6.0	Equalizing Gears: (For Dual- tandem/tandem drive)	
5.1.6.1	Material of construction	: Bidder to confirm
5.1.6.2	Type of gear	: Spur
5.1.7.0	<u>Gear Boxes</u>	
5.1.7.1	Type of gear box	: Helical, Input shaft should be of spline type with minimum 3 stage reduction
5.1.7.2	Mounting	: Foot mounted
5.1.7.3	Service factor to be considered for selection	: 1.6 over motor rating
5.1.7.4	Cooling	: Oil cooled (Natural)
5.1.7.5	No. of stages	: Bidder to indicate
5.1.7.6	Make	: Bidder to indicate the makes offered
	[Acceptable makes	:Elecon/Greaves/FMG/New Allenbury Works/Any other Proven make in CIL/other PSUS/Govt departments(see Sl.No.7.4.0}
5.1.7.7	Type of anti roll back device	: Bidder to indicate.
5.1.8.0	Fluid coupling	:
5.1.8.1	Type of fluid coupling	: Fire resistant fluid filled fluid coupling. One side of fluid coupling should be of spline type matching to gear box input shaft and other side should be of Jaw tupe or Pin/Bush type coupling with rubber spider(without Multi disc and resilient plate)
5.1.8.2	Material of Body	: Steel Body
5.1.8.3	Operating Fluid	: Fire Resistent Fluid
5.1.8.4	Make & Model	Bidder to indicate the makes offered.
	{Acceptable makes	:Pembril/Fluidomat/Voith/Any other/Proven makeinCIL/otherPSUs/Govt.deptt.[see Cl.7.4.0)]
5.1.9.0	<u>Out put coupling</u>	:
5.1.9.1	Type of coupling	: Flange type with bush& bolt arrangement or Jaw Type with rubber Spider.
5.1.9.2	Service factor to considered for selection	: 1.25 over motor rating
5.1.9.3	(a) Make and Model	: Bidder to indicate.
	(b) Material	Bidder to indicate
5.1.10.0	<u>Motors</u>	:
5.1.10.1	Type	: Sq. Cage Induction
5.1.10.2	Operating Voltage system	: Voltage 550V(+) or (-)10% 3 phase, 50 Hz, FLP, DGMS Approved.
5.1.10.3	K.W. rating	: Bidder to confirm as per SOR.

5.1.10.4	Minimum starting torque	: 2 times full load torque
5.1.10.5	Motor RPM(Syn.)	: 1500
5.1.10.6	Class of duty	: S-1 as per IS;325/1996
5.1.10.7	Type of starting	: Star Delta,550 V,FLP,DGMS approved suitable for the Motor.
5.1.10.8	Class of insulation	: Class F with temp. rise limited to Class B
5.1.10.9	Type of Enclosure	: T E F C
5.1.10.10	FLP/NFLP	: FLP
5.1.10.12	In case of FLP, the enclosure shall be approved by DGMS for use in U/G Mines	:Mandatory
5.1.10.13	Frame size	Bidder to confirm
5.1.10.14	Mounting of motor	: Foot mounted{B3 as per IS:2253-74}
5.1.10.15	Cable Entry	: Plug and socket type to be supplied along with Motors.
5.1.10.16	Standard specifications	: For FLP- IS:3682-1996
5.1.10.17	Make {Acceptable make)	: Bidder to indicate the make offered :Alstom/KEC/BB/ABB/ Crompton/Siemens /NGEF/ BHEL/Any other Proven make in CIL/Other PSUs/Govt Deptt(see cl .7.4.0) in CIL/otherPSUs/Govt. deptt{see Cl.7.4.0)}
5.2.0.0	<u>STARTER</u>	
5.2.1.0	Type	: Star Delta,FLP,DGMS approved suitable for the Motor.
5.2.2.0	Voltage system	Voltage 550V (+)or(-)10% 3 Ph, 50 Hz
5.2.3.0	K.W. rating	: As per SOR in annexure "A"
5.2.4.0	<u>CONSTRUCTION</u>	
5.2.4.1	In two compartments	: Bidder to confirm
5.2.4.2	One shall house through going bus bars and off load isolator	: Bidder to confirm
	Ratings of bus bar and isolator	: 400A
5.2.4.3	IInd shall house contactors and protective	: Bidder to confirm
5.2.4.4	Door of IInd compartment shall be interlocked with isolator in such a way that the door can be opened only when the isolator is in 'OFF' position	: Bidder to confirm
	Bolt less door for both the compaetments and two way	: Bidder to confirm

	isolator safety gears- O/L , S/C and E/L preferable Solid State	
5.2.4.5	Cable terminal boxes with sealing boxes shall be provided for both in coming & out going terminals suitable for PVC,DWA Mining Cables of required size. Cable terminal boxes are of adaptor and half coupler type with pin & socket.	: Bidder to confirm.
5.2.4.6	Through going terminals of bus bar shall be provided with bus trunking box with blanking cover	: Bidder to confirm
5.2.4.7	Four nos. auxiliary terminals (4x2) with terminals box and cable sealing boxes suitable for Twin core 2.5 Sq.mm.PVC SWA cable shall be provided for sequence starting, Pull cord switch and pre-start alarm circuits.	: Bidder to confirm.
5.2.4.8	Type of Enclosure(FLP)	: FLP
5.2.4.9	Degree of protection(For NFLP)	: Not required
5.2.4.10	In case of FLP , the enclosure shall be approved by the DGMS for use in UG Coal Mines	Mandatory
5.2.4.11	Mounting	: Skid mounted
5.2.5.0	Utilisation category	: AC3 of IS:13947(Part 4/Sec.1)- 1993
5.2.6.0	Nominal current rating of contactors(for AC-3 heavy duty)	: Not less than 2.0 times the full load current of motor
5.2.7.0	Operating limits of contactor	:Shall be as per IS:13947,However the drop out voltage shall not be more than 50% of rated control supply voltage.
5.2.8.0	PROTECTION	:
5.2.8.1	Over load protection	: Static type overload.
5.2.8.2	Earth leakage protection	: Earth leakage Relay based on restricted neutral System of Supply having test and reset facility from out side with indicators..
	Current setting	: 50 m Amp to 250 m Amp with clearance time less than 200 M.S in a step of 50,80,100 ,150,200

		and 250 m Amps with time lag between 0 to 1 sec in a step of 100 M.S
5.2.8.3	Short Circuit protection	: 0-1 sec in steps of 0.1 sec or 0.2 sec.
5.2.8.4	Suitable provision should be made in the starter for sequence starting interlock with other starter with timer.	: Bidder to confirm
5.2.8.5	The starter shall have provision for interlocking with pull cord switches(Sr.No.5.7.1.0)belt sway switches(Sr.No.5.7.2.0),Audio-Visual alarm(Sr.No.5.7.3.0)and limit switches at tail end(Sr.No.5.4.6.1)	: Bidder to confirm
5.2.9.0	Instrument	: Amp Meter of suitable range
5.2.10.0	Standard specifications For Starter	: IS:13947(Part4/Sec.1)-1993, IS:2148-1981
5.2.11.0	Make of Starter	: Bidder to indicate the make offered
	(Acceptable make)	: Macneill Engg./Yule/Mine Line/ABC/ Protection India/Volga/Reyrolle Burn/Prabhu/ Any other proven make in CIL/otherPSUs /Govt.department (sec Cl.7.4.0)}
5.2.12.0	Make of contactors	: Bidder to indicate
Page-8	(Acceptable makes)	Any CPRI tested make (A copy of T.C to be submitted }
5.3.0.0	Delivery Jib Assembly	:
5.3.1.0	Structure	: Made of heavy structure Section, Centilever Supported hinged with Drive Head frame with heavy vertical support at Jib Drum and the entire length of the Jib at the interval of 2 Mtrs
5.3.2.0	Length of Jib	: 35 meters (Thirty Five meter)
5.3.3.0	Discharge Pulleys and shaft:- i) Dia:- 650 mm ii) Drum Width:- 1400 mm iii) Shell Thickness:- 16 mm	Bidder to Confirm
5.3.4.0	Bearing blocks	: Same as Cl.no.5.1.5.0
5.3.5.0	BELT SCRAPER	
5.3.5.1	Type of belt scraper	: Counter weighted/spring loaded
5.3.5.2	Rubber strip dimensions	: 10 mm thick x 100 mm wide
5.3.5.3	Rubber strip shall be fixed to the scraper by means of slotted	: Bidder to confirm.

	holes to facilitate easy adjustment(FR Grade)		
5.4.0.0	TAIL END ASSEMBLY	:	
5.4.1.0	Structure	:	Shall be made of heavy structural sections
5.4.2.0	Tail pulley and shafts	:	Same as clause No.5.1.4.0
5.4.3.0	Bearing blocks	:	Same as clause No.5.1.5.0
5.4.4.0	Minimum ground clearance below tail pulley	:	300 mm
5.4.5.0	BELT SCRAPER ON RETURN BELT BEFORE TAILS DRUM:		
5.4.5.1	Type of Belt Scraper(F R Type)	:	V-type plough scraper
5.4.5.2	Angle of V	:	60^0
5.4.6.0	WIPER CUM DUST COLLECTOR	:	
5.4.6.1	A wiper cum dust collector trolley shall be provided at the tail end as per DGMS(Tech)Circular No.4 dated 11.05.2004, a copy of which is enclosed :	:	Bidders to confirm.
5.5.0.0	TAKE UP ASSEMBLY A) Trunk Belt	:	Length:- 18 mtr
5.5.1.0	Type of Take up	:	Horizontal, Motorised Winch for tensioning of belt with automatic brake system provided with 5/8″ flexible rope and drum capacity of 50 mtr rope length=18 Mtr
5.5.2.0	Structure of trolley and trolley guide	:	Suitable structural sections
5.5.3.0	Take up Pulley, diversion pulley and shafts.	:	Same as clause No.5.1.4.0.
5.5.4.0	Bearing blocks	:	Same as clause No.5.1.5.0
5.5.5.0	a)Operational	:	Motorised with suitable starter
	b)A suitable motor with operating Voltage 550V provided with plug and socket system cable entry box	:	Bidder to confirm
	B) Gate Belt Conveyor	:	Length: 30 Mtr.
	Type of take up		Horizontal, Motorised Winch for tensioning of belt with automatic brake system.Take up system should be of multi

		loop system for atleast 100 mtr belt storage capacity provided with 5/8″ flexible rope and drum .
	Operation	
	A suitable motor with operating Voltage 550 V provided with plug and socket system cable entry box	**Motorised with suitable starter : Bidder to confirm**
5.6.0.0	***INTERMEDIATE STRUCTURES***	**:**
5.6.1.0	**STRINGERS**	**:**
5.6.1.1	**Stringer length**	**: 3 meters.**
5.6.1.2	**Stringer section**	**: ISMC 125 X 65**
5..6.1.3	**Connecting bracing**	**: 'Not required**
5.6.1.4	**Size of fasteners**	**: M – 16**
5.6.2.0	***STOOLS***	**:**
5.6.2.1	**Height of stool**	**: 600 mm**
5.6.2.2	**Steel section**	**: ISMC 125 X 65**
5.6.2.3	**Steel section to be used for bracing for stools**	**: ISA 50 X 50 X 6**
5.6.2.4	**Size of fasteners**	**: M – 16**
5.6.3.0	*CARRYING IDLER SETS (page 10)*	**:**
5.6.3.1	**Spacing**	**: 1.5 m**
5.6.3.2	**Troughing angle**	**: 30 deg.**
5.6.3.3	**Forward tilt of side idlers**	**: 2 deg(max.)**
5.6.3.4	**Steel section to be used for idler : frame(transome)**	**: M.S. flat 65 x 10 or ISLC 75 X 40**
5.6.3.6	**Carrying idler**	**: Shall conform to enclosed Specification no 139071-2004**
5.6.3.7	**Thickness of mounting base plate**	**: 10 mm**
5.6.3.8	**Provision for belt training**	**Mounting base plates shall be provided with 50mm slotted holes to facilitate belt training**
5.6.3.9	**Size of fasteners**	**: M – 16**
5.6.4.0	***RETURN IDLERS***	**:**
5.6.4.1	**Spacing**	**: 3 M**
5.6.4.2	**Brackets**	**Shall be bolted to stools or stringers**
5.6.4.3	**Thickness of plate used for brackets**	**: 10 mm**
5.6.4.4	**Size of fasteners to be used**	**: M – 16**
5.6.4.5	**Return idler**	**: Shall conform to enclosed Specification no 139071-2004**

5.6.5.0	*IMPACT IDLER SETS*	☹(Fire Resistant Rubber Ring)
5.6.5.1	Location	: In the loading section at tail end
5.6.5.2	Spacing	: 0.5 M
5.6.5.3	No. of idler Sets	: 4 Sets.
5.6.5.4	Impact . idler roller	: Shall conform to enclosed Specification no 139071-2004
5.6.6.0	*TRANSITION IDLER SETS*	:
5.6.6.1	Location	: At delivery jib and Tail end
5.6.6.2	No. of idler sets	: 3 sets
5.6.6.3	Troughing angles	: 5 deg. 10 deg. 30 deg.
5.7.0.0	*DECKING PLATES*	:
5.7.1.0	Thickness of Plate	: Not less than 1.5 mm
5.7.2.0	Location	: At drive head, loop take up and Tail end position
5.7.3.0	Total length	: Sufficient to cover the above sections
5.8.0.0	***SKIRT PLATES***	:
5.8.1.0	Location	: For loading section on both sides of belt
5.8.2.0	Thickness of Plate	: Not less than 6 mm
5.8.3.0	Length	: 6 Meters(Min.)
5.8.4.0	Height of plate	: Not less than 600 mm above Belt (page 11)
5.8.5.0	Rubber strip dimensions	: 10 mm thick x 100 mm wide
5.8.6.0	Rubber strips shall be fixed to the skirt plate by means of slotted holes to facilitate easy adjustment	: Bidder to confirm. (F R Rubber Strip)
5.9.0.0	*PROTECTIVE GUARDS/FENCES*	:
	Suitable protective guards/Fencing shall be provided at all rotating parts at drive head, discharge point, tail end etc.	: Bidder to confirm.
5.10.0.0	*ACCESSORIES*	:
5.10.1.0	Pull Cord Switches	:
5.10.1.1	Type of switches	: Manual reset type
5.10.1.2	Enclosure	: FLP, DGMS approved
5.10.1.3	Spacing	: 50(Fifty) m on one side(approx)
5.10.1.4	Required Nos.	: As per Annexure "A"
5.10.1.5	Pull rope	: Stranded and PVC sheathed
5.10.1.6	Make(ACCEPTABLE MAKE)	: Any DGMS APPROVED MAKE
5.10.2.0	BELT SWAY SWITCHES	:
5.10.2.1	Type of switch	: Auto reset type

5.10.2.2	**Enclosure**	**: FLP,DGMS approved**
5.10.2.3	**Spacing**	**: 50(Fifty) m on both sides**
5.10.2.4	**Required Nos.**	**: As per annexure A .**
5.10.2.5	**Make (Acceptable make)**	**: Bidder to inddicate Any DGMS APPROVED MAKE)**
5.10.3.0	***Audio Visual Alarm***	**:Intrinsically safe audio visual alarm with**
5.10.3.1	***Type :-***	**pre start warning(compact unit) should be operative maximum up to 30 V AC with single or double source of supply(550V/30V Transformer)**
5.10.3.2	**Enclosure**	**: FLP, DGMS APPROVED**
5.10.3.3	**Spacing**	**: 100(one hundred) M**
5.10.3.4	**No. of units required**	**: As per annexure A**
5.10.3.5	**Make (Acceptable make)**	**: Bidder to indicate. (ANY DGMS APPROVED MAKE)**
5.10.3.6	**a) Automatic water spraying arrangement systems should be provided at the discharge point in each belt to suppress coal dust**	**Bidder to confirm**
	b) Audio communication should be provided at the discharge end and T/E of each belt	**Bidder to confirm**

6.0.0 PRE-DESPATCH INSPECTION AND TESTS :

6.1.0 **The belt conveyors will be inspected by third party inspection agency at manufacturer's works before despatch of the equipment to ascertain the conformity of the conveyors to supply order specifications, relevant ISS, statutory regulations(DGMS approval for FLP Electricals) and type test certificates.**

6.2.0 **Testing of assemblies/components, wherever required will be carried out by the inspector as per the relevant standards and supply order. The manufacturer shall make available to the inspector, the required test facilities with necessary support for conducting the tests.**

6.3.0 **The manufacturer shall make available to the inspector the following documents during the inspection.**

- **a) Copies of relevant ISS**
- **b) All records of quality checks as per QAP.**
- **c) Dimensional/manufacturing drawings of different assemblies/components of the conveyors.**
- **d) Invoices in respect of purchase of raw-materials viz. Steel, bearings, tubes(for rollers) etc, and bought out items.**
- **e) Manufacturer's test certificates in respect of raw-materials and bought out items.**
- **f) Copies of valid DGMS Approvals for the FLP Electricals (Motor, Starter, Pull Card Switch, Belt Sway Switch& Audio- visual alarms)**

g) Copies of valid CMRS/ ERTL Test reports for FLP STARTER ALONG WITH DIMENSIONAL DRAWING(REFFERED IN THE TEST REPORT)

h) Copies of type test certificates from CPRI for contactors used in the starters as per IS;13947{Part-4/Sec.1}-1993.

7.0.0 DOCUMENTS TO BE SUBMITTED WITH THE OFFER:

7.1.0 Self certified copies of G.A. drawings(Ammonia prints) with Dimensions and weights for…….

7.1.1 Complete conveyor.

7.1.2 Drive Unit Assembly.

7.1.3 Delivery jib Assembly.

7.1.4 Take up Assembly.

7.1.5 Tail end Assembly.

7.1.6 Intermediate structures and idler Sets.

7.1.7 Assembly drawing of idler showing the internals.

7.2.0 Self certified copies of supply orders received for underground belt conveyors of tendered and higher capacity from CIL/Subsidiaries of CIL/other PSUs/Govt.departments.

7.3.0 Technical leaflets/literature in respect of all the bought outs.

7.4.0 Self certified copies of past supply orders from CIL/Subsidiaries of CIL/other PSUs/Govt. departments for gear boxes, fluid couplings, motors and starters in

support of their provenness, in case any make other than those specified at relevant clauses.(Sr.No.5.1.7.6,5.1.8.4,5.1.10.17 and 5.2.11.0) are offered.

8.0.0 DOCUMENTS TO BE SUBMITTED ALONG WITH EQUIPMENT:

8.1.0 Certified copies of valid DGMS Approval letters for Motors, Starter, Pull Cord Switch, Belt Sway Switch and Audio- Visual alarm

8.2.0 Maintenance and parts catalogues of the equipment and all the bought outs.

8.3.0 Assembly drawings showing all the dimensions and weights

8.4.0 Self Certified copies of type test certificates from CPRI for contactors used in the Starter.

Item No-1	:	Trunk Belt conveyors (1200 mm x 410 M)
Item No-2	:	Trunk Belt Conveyor (1200 mm x 250 M)
Item No-3	:	Trunk Belt Conveyor (1200 mm x 800 M)
Item No-4	:	Gate belt Conveyor (1200 mm x 800 M)

Sl	Conveyor Data	Item No-1	Item No-2	Item No-3	Item No-4
01	Belt width(mm)	1200	1200	1200	1200
02	Length of conveyor(M)	410 mtr	250mtr	800mtr	800 mtr
03	Belt speed(m/sec)	2.5	2.5	2.5	2.5
04	Drive configuration	Bidder to confirm	Bidder to confirm	Bidder to confirm	Bidder to confirm
05	Take-up travel(M)	18	18	18	30
06	Power Rating (KW),550 V ,FLP DGMS Approved	2X150 KW	2X110 KW	2X110 KW	2X110 KW
07	Type of Enclosure	FLP	FLP	FLP	FLP
08	Operation of take-up(motorized winch system)	Motorized winch system	Motorized winch system	Motorized winch system	Motorized winch system
09	No. of Pull cord switch(FLP)	8	5	16	16
10	No. of Audiio visual alarm(FLP)	4	3	8	8
11	No. of sets required	3	3	1	2
12	Lift	60 mtrs	45 mtrs	Level	Level
13	Capacity in TPH	600	600	600	600
14	No. of Belt sway seitch(FLP)	7	4	14	14
15	Starter(Star Delta) FLP, DGMS approved	Suitable for 2X 150 KW Motor	Suitable for 2X 110 KW Motor	Suitable for 2X 110 KW Motor	Suitable for 2X 110 KW Motor

SPECIFICATIONS FOR CONVEYOR ROLLERS(CHECK LIST)

SR.NO. DESCRIPTION/ CLAUSE BIDDER TO INDICATE(YES / NO)

1. Acceptance for Environmental /Operating conditions as specified at Sr.No.1.1 to 1.5
2. Acceptance for basic parameters as specified at Sr.No. 2.1 to 2.4.3
3. Acceptance for Materials and Constructional details as specified at Sr.No.3.1.0 to 3.8.2
4. Acceptance for painting as specified at Sr.No. 4.0
5. Acceptance for Identification marking as specified at Sr.No.5.0
6. Acceptance for testing as specified at Sr.No.6.0
7. Acceptance for Life guarantee as specified at Sr.No.7.0
8. Acceptance for pre-despatch inspection as specified at Sr.No.8.1 to 8.4
9. Information/details asked for at Sr.No. 3.5.2 , 3.5.3 and 3.8.2 to be submitted.
10. Copies of supply orders received in the past from CIL/subsidiaries of

CIL/other PSUs/Govt. departments for conveyor rollers of similar or higher Sizes to be submitted as specified at Sr.No. 9.1.

11. Copies of test certificates for the tests specified at Sr.No.6.0 conducted on the rollers manufactured and supplied in the past,to be submitted as specified at Sr.No.9.2

12. General arrangement/assembly drawing of roller showing the tube,shaft,bearing housing bearings, seals etc.to be submitted as specified at Sr.No. 9.4

13. Acceptance for submission of documents specified at Sr.No.10.1 and 10.2

Specifications for Troughed Belt Conveyors for installation in UG Coal Mines

CHECK LIST

SR. NO.	DESCRIPTION/CLAUSE	BIDDER TO INDICATE YES/NO
1.	Acceptance for the service conditions as specified at Sr.No.1.0.0(1.1.0 to 1.5.0)	
2.	Acceptance for conveyor data as specified at Sl.No.2.0.0(2.1.0 to 2.9.0)	
3.	Acceptance for scope of supply as specified at Sl.No.3.0.0(3.1.0 to 3.8.0)	
4.	Acceptance for specifications of drive head assembly as detailed at Sl.No.5.1.0.0(5.1.1.0 to5.1.10.16)	
5.	Acceptance for the general requirements as specified at Sl.No.4.0.0.0(4.1.0.0 to 4.3.1.0)	
6.	Acceptance for specifications of starter as detailed at Sl.No.5.2.0.0(5.2.1.0 to 5.2.10.0)	
7.	Acceptance for specifications of delivery jib assembly as detailed at Sl.No.5.3.0.0(5.3.1.0 to 5.3.5.3)	
8.	Acceptance for specifications of tail end assembly as detailed at Sl.No.5.4.0.0(5.4.1.0 to 5.4.6.1)	
9.	Acceptance for specifications for take up assembly as detailed at Sl.No.5.5.0.0(5.5.1.0 to 5.5.5.0)	
10.	Acceptance for specifications intermediate structure as detailed at sl.No.5.6.0.0(5.6.1.0 to 5.6.6.3)	
11.	Acceptance for provision of Decking Plates and Skirt Plates as specified at Sr.No.5.7.0.0 and sr.No.5.8.0.0 respectively.	
12.	Acceptance for provision of protective guards/fences at all rotating parts as stipulated at Sr.No.5.9.0.0.	
13.	Acceptance for the specifications of pull cord switches as detailed at Sl.No.5.10.1.0(5.10.1.1. to 5.10.1.5)	
14.	Acceptance for specifications for belt sway switches as detailed at Sl.No.5.10.2.0(5.10.2.1 to 5.10.2.4)	
15.	Acceptance for specifications of audio-visual alarm as detailed at sl.No.5.10.3.0(5.10.3.1to 5.10.3.4)	

16. Information asked for at sl.No.5.1.7.5,5.1.7.6,5.1.7.8,5.1.9.3,5.1.10.17,5.2.3.0,5.2.8.3,5.2.11.0,5.2.12.0, 5.10.1.6, 5.10.2.5 and 5.10.3.5 to be furnished.

17. Acceptance for pre-despatch inspection and test as specified at Sl.No.6.0.0(6.1.0 to 6.3.0)
18. Self attested copies of G.A.drawings with dimensions and weights for complete conveyor and different assemblies of conveyor submitted as specified at Sl.No.7.1.0(7.1.1 to 7.1.7)

19. Self attested copies of supply orders received in the past for UG belt conveyors of tendered capacity of higher capacity from CIL/Subsidiaries of CIL/other PSUs/Govt.Departments submitted stipulated at Sl.No.7.2.0
20. Technical leaflets/literature in respect of all bought-outs submitted as specified at Sl.No.7.3.0
21. Acceptance for submission of documents specified at Sl.No.8.0.0 (8.1.0 to 8.4.0)

SPECIFICATION FOR CONVEYOR ROLLERS

NOTE:

2. TENDERERS ARE REQUIRED TO SUBMIT THEIR TECHNICAL BIDS IN THE FORMAT GIVEN BELOW INDICATING THEIR ACCEPTANCE/REQUIRED INFORMATION IN THE COLUMN 4 AGAINST EACH CLAUSE OF THE SPECIFICATIONS GIVEN UNDER COLUMN 1,2 AND 3.

3. TENDERERSSHOULD OFFER THE EQUIPMENT STRICTLY AS PER THE SPECIFICATIONS WITHOUT DEVIATIONS.

4. TENDERERS SHOULD ENSURE THAT ALL THE DOCUMENTS SPECIFIED AT CLAUSE NO.9.0 ARE ENCLOSED WITH THE OFFER WITHOUT FAIL.

1.	2	3	4
Sr No.	**DESCRIPTION/ PARAMETER**		**VENDOR TO CONFIRM**
1.0	**Environmental / operating conditions :**		
1.1	**Place of use**	**: Coal Mines(Both at Surface & U/G)**	
1.2	**Temperature(Max.)**	**: 50 deg. C**	
1.3	**Humidity(Max.)**	**: 98%**	
1.4	**Atmosphere**	**: Dusty(Mostly coal dust) and watery**	
1.5	**Conveyor speed(Max.)**	**: 2.5M/Sec**	
2.0	**BASIC PARAMETERS**		
2.1	**Type of roller**	**: Drop in type,greased for life (Maintenace free)**	
2.2	**Friction co-efficient**	**: Not more than 0.015**	
2.3	**Run out / Eccentricity**	**: As per clause 4.5 of IS:8598**	

2.4.0 Dimensional / Details :

2.4.1Top roller(Troughing roller):As per the drawing given in annexureA.

2.4.2 Bottom roller(Return roller) : As per the drawing given in Annexure-A

2.4.3	**Impact roller**	**: As per the drawing given in Annexure-II**

3.0 <u>MATERIALS AND CONSTRUCTIONAL DETAILS</u> :-

3.1.0 <u>Barrel / Tube</u> : Page 17

3.1.1	**Material of barrel**	**Steel tube conforming to Grade yst 210of IS:9295- 1983.**
3.1.2	**Boring of the pipe**	**: The pipe shall be bored on double ended boring machine, capable of simultaneous boring of both ends in a single setting to maintain coaxiality.**

3.2.0 <u>BEARING HOUSING</u> :-

3.2.1	**Material of bearing housing**	**: Pressed sheet metal housing drawn in CRCA Sheets of extra deep drawing quality.**
3.2.2	**Nominal thickness of CRCA Sheet**	**: 3.15 mm (Min.)**
3.2.3	**Wall thickness of housing after stamping & machining**	**: Not less than 2.5 mm**
3.2.4	**Machining Tolerance for housing**	**: The housing shall be finished to M7(Min) as per IS : 919 for accommodating the outer race of the bearing.**
3.2.5	**Welding of bearing housing**	**The bearing housings shall be welded to the pipe by Twin bead MIG/MAC CO) welding machine capable of welding the housing at both ends simultaneously in a single setting.**

3.3.0	**<u>SHAFT</u>**	**:**
3.3.1	**Material of shaft**	**: Carbon steel conforming to C-40 of IS : 1570 of En-8A of BS : 970**
3.3.2	**Machining tolerance of shaft**	**: The shaft shall be machined and ground to J6(Min.) as per IS : 919 at bearing seatings, maintaining coaxiality of both ends.**
3.3.3	**Shaft ends**	**: Type 'A' as per IS: 8598-1987**

3.4.0	**BEARINGS**	:
3.4.1	Type of bearings	: Seize resistant ball bearings.
	NOTE	: For rollers of shaft dia above 30 mm, single row deep groove ball bearing of C3 clearance is also acceptable.
3.4.2	Acceptable make of bearings	:SKF/NBC/ABL/FAG/GRB/JBL
3.5.0	**LUBRICATION** :	
4.5.1	Lubricant	: Lithium based grease with a worked penetration of 220-250,class 3.
3.5.2	Make / brand of grease	: Bidder to indicate
3.5.3	Quantity of grease	: Bidder to indicate.

3.6.0 SEALING :

3.6.1	Type of seal	Non contact, Multi Lip labyrinth seal(Fire resistant)certificate
3.6.2	Material of seal	: Neoprene, Nylon-6 or any other better material
3.6.3	Back / Inner seal	: Nylon – 6 or any other suitable material(bidder to indicate the material)
3.6.4	Dust seal and rain cap	: Suitable material(Bidder to indicate the material)
3.6.5	The sealing is to be done for the life time of the bearing	: Bidder to confirm
3.7.0	Assembly of roller	: The bearings and seals shall be press fitted on the roller
3.8.0	**RUBBER RINGS FOR IMPACT ROLLER**	:
3.8.1	Shore hardness of rubber(F R Type)	: 50 – 60 deg. On shore 'A' scale
3.8.2	Thickness and No. of rings	: Bidder to indicate
4.0	**PAINTING**	:
	The surface of the rollers shall be cleaned	: Bidder to indicate.

properly, removing rust, oil film etc. and one coat of anti rust paint to be

given. Over this another coat of good quality paint of smoke grey colour shall be given.

5.0 IDENTIFIFATION MARKING :

Manufacturer's name/trade mark,month and year of manufacturer shall be permanently and legible marked on the roller, by etchibng/ embossing which should last for the life of roller	**: Bidder to confirm.**

6.0 TESTING :

The following tests shall be conducted on completed rollers at appropriate frequencies in the production batch **a) Friction co-efficient test** **b) Dimensional check up and Run out/essentricity test.** **c) Dust sealing test.** **d) Water proofness test** **e) Fire resistant test of seal**	**: Bidder to confirm.**

7.0 GUARANTEE

Complete roller shall be guaranteed for a working life not less than 25000 hours.	**: Bidder to confirm**

8.0 ***PRE-DESPATCH INSPECTION***

8.1 The rollers will be inspected by third party inspection agency at the manufacturer's works before dispatch of the consignments to ascertain the conformity of the rollers to supply order specifications and relevant ISS.

8.2 The manufacturer shall make available to the inspector, the required test facilities with necessary support for conducting the inspection

and test as per the order specifications and relevant ISS.

8.3 Samples for the tests will be drawn from the lots(

size wise) by random sampling methods. The sample size for the tests will be as follows.

TEST		SAMPLE SIZE	
		Lot size: upto 1000	above 1000 upto 2000
1.	Dimensional check up including measurement & run out / eccentricity	5 Nos	8 Nos.
2.	Friction co-efficient	2 Nos.	4 Nos.
3.	Dust penetration and measurement of dia of shaft (at middle) and thickness of tube and bearing housing etc.	2 Nos.	3 Nos.
4.	Water penetration	2 Nos.	3 Nos.

For lot sizes above 2000, the sample size will be decided on pro-rata basis.

8.4 The manufacturer shall make available to the inspector the following documents during the inspection.

a) Copy of supply order
b) Copies of relevant ISS.
c) Test methods.
d)Works test certificates.
e) Invoices in respect of purchase of bearings, tubes and bars(for shaft) etc.
f) Manufacturer's test certificates in respect of raw materials.

9.0 DOCUMENTS TO BE SUBMITTED WITH THE4 OFFER

9.1 Self attested copies of supply orders received in the past from CIL/Subsidiaries of CIL/other PSUs/Govt. Depts for conveyor rollers of similar or higher sizes.

9.2 Self attested copies of test certificates for the tests specified at clause No.6.0 conducted on the rollers manufactured and supplied in the past.

9.3 Technical leaflets if any.

9.4 General arrangement/assembly drawing of the roller showing distinctly the tube, shaft, bearing housing, bearings,and seals etc.

10.0 Documents to be submitted with Consignments:

10.1 Pre- despatch inspection and test report.

10.2 General arrangement /assembly drawing of the roller showing distinctly the tube, shaft, bearing housing, bearings, seals etc.

10.3 Technical leaflets if any.

TECHNICAL SPECIFICATIONS

Lift in Meter	Speed in Mtr/Sec	Belt Size in MM	TPH	Structure length with Idlers in Mtrs
45	2.5	1200	800	250
45	2.5	1200	800	250
60	2.5	1200	800	410
60	2.5	1200	800	410
60	2.5	1200	800	410
Level	2.5	1200	800	800
45	2.5	1200	800	250
Level	2.5	1200	800	800
Level	2.5	1200	800	800

TECHNICAL ANNEXURE "A"

ITEM DESCRIPTION WITH QUANTITY DETAILS

CONVEYOR SYSTEM CONSISTING OF FOLLOWING CONVEYORS

Sr.No.	Description	Technical Specifications	Quantity
01	Trunk Belt Conveyor	Drive head with motorized loop take up(for each set), 410 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-60 Mtr, Speed-2.5 m/sec, Length:- 410 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x150 (FLP)	03 Sets
02	Trunk Belt Conveyor	Drive head with motorized loop take up(for each set), 250 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-45 Mtr, Speed-2.5 m/sec, Length:- 250 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x110(FLP)	03 Sets
03	Trunk Belt Conveyor	Drive head with motorized loop take up), 800 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-Level, Speed-2.5 m/sec, Length:- 800 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x110(FLP)	01 Set
04	Gate Belt Conveyor	Drive head with motorized loop take up(for each set), 800 mtr structure and Idlers with suitable Gear Box, Electric Motor of 550 V &Starters(STAR DELTA). Lift:-Level, Speed-2.5 m/sec, Length:- 800 Mtr, Conveyor Size:-1200 mm, TPH;- 600, KW:-2x110(FLP)	02 Sets
		TOTAL QUANTITY	09 sets

Composite price for above 9 sets is to be given

PLEASE CONFIRM FOLLOWING ADDITIONAL CHECK LIST FOR COMMERCIAL TERMS ALONG WITH YOUR TENDER.

Commercials Terms as per NIT	
1.Submission of original Tender specific authorization from your Manufacturer/Principal . if Tenderer is a dealer	To be submitted
2. Security-Money(Exemption allowed for State/Central Govt. Organization /PSU& DGS&D/NSIC registered for tendered items, Notarised copy of registration is required.	To be submitted
3 Submission of *Notary certified* copy of valid registration of BIS/DGS&D/DGMS/NSIC etc if Manufacturer	To be submitted
4.Pl confirm that price in your price bid is given" with break up in following head with Price on "FIRM & FOR Destination basis):- a)EX works price, b) Freight & Insurance, c) P&F charges d) Current rate of ED if applicable e) Current rate of Sales Tax.	Confirmation required (Without quoting Price)whether offer submitted by you covers the price break as detailed
5 . Acceptance of Jurisdiction of Dhanbad Court and Jharkhand High Court in case of any legal dispute.	To be accepted

6. Delivery Clause	To be accepted with prefixing of word"Within" as per NIT only
7.Submission of Performance Bank Guarantee	To be accepted
8. Force majure clause	To be accepted
9. Inspection Clause as per NIT	To be accepted
10.Have you submitted Warrantee/ Guarantee as per NIT	To be accepted
11. Pl confirm all other commercial terms as per NIT.	To be accepted
12.Submission of self attested Order copies for NIT Items	To be submitted
13. Bank Details	To be submitted
14. Ultimate Consignee	To be accepted
15.Packing for Transit clause	To be accepted
16. Have you submitted tender fee or proof of payment of tender fee in part I as indicated in Annexure-B	To be checked
17. Have you carefully prepared and signed with name & Designation and stamped the company's seal on all the pages of the tender document.	To be complied
18. 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.	To be complied
19. Have you accepted to furnish the import documents from your principal .	To be complied

20. 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 .	To be complied
21. Have you submitted the requisite EMD or have enclosed proper document notarised as per NIT for exemption in submitting EMD.	To be complied
22.Have you sought any deviation in commercial or technical parameters	To be confirmed
23. You must confirm your TIN No./PAN./CST No. etc. whichever is applicable.	Must be indicated
24. Submission of Tender as per Annexure"D"	Must be Complied

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) **The Bidders are required to submit the price on Composite basis only(on single package basis) for the above 7 sets of Trunk Belt Conveyor and 02 sets of Gate Belt Conveyor. No individual price is to be quot ed**

(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:-Please quote your earliest delivery schedule but the entire Conveyor System consisting of 09 Sets has to be supplied within 08 Months or earlier from the date of receipt of Purchase Order.**

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

MM(P)

Annexure "D"

INTEGRITY PACT :

BCCL HAS SIGNED M.O.U WITH M/S. TRANSPARENCY INTERNATIONAL INDIA FOR IMPLEMENTATION OF INTEGRITY PACT FOR PURCHASE OF TENDERS VALUED AT RS. 2.00 CRORES AND ABOVE. THE INTEGRITY PACT DOCUMENT TO BE SIGNED BY THE BIDDERS IS ENCLOSED. SUBMISSION OF INTEGRITY PACT DOCUMENT DULY SIGNED, STAMPED AND ACCEPTED IS MANDATORY FOR THIS TENDER. THEREFORE, THE TENDERERS ARE ADVISED TO SUBMIT THE INTEGRITY PACT DOCUMENT DULY SIGNED, STAMPED AND ACCEPTED IN A SEPARATE SEALED ENVELOPE SUPERSCRIBING "INTEGRITY PACT AGAINST TENDER NO. PUR/570095/Trunk & Gate Belt Conveyor/MND/08-09/16 DUE ON 08.06.09 .

IN CASE THIS IS NOT SUBMITTED IN A SEPARATE COVER ALONGWITH THE TENDER, THE TENDER MAY BE CONSIDERED AS UNRESPONSIVE AND MAY NOT BE CONSIDERED FURTHER FOR EVALUATION.

Independent External Monitor for this tender is

Shri SC Samal, IAS (Retired),CA-193, Sector-I, Bidhan Nagar, Kolkata 7000064.

INTEGRITY PACT

Between

BHARAT COKING COAL LIMITED (BCCL) hereinafter referred to as "The Principal"

And

……..hereinafter referred to as "The Bidder/Contractor"

Preamble

The Principal intends to award, under laid down organizational procedures, contract/s for ----------. The Principal values full compliance with all relevant laws and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder/s and Contractor/s.

In order to achieve these goals, the Principal cooperates with the renowned international Non-Governmental Organization "Transparency International" (TI). Following TI's national and international experience, the Principal will appoint an

external independent Monitor who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to.
2. The Principal will, during the tender process treat all Bidders with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidders the same information and will not provide to any Bidder confidential/additional information through which the Bidder could obtain an advantage in relation to the tender process or the contract execution.
3. The Principal will exclude from the process all known prejudiced persons.

(2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the relevant Anti-Corruption Laws of India, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder/Contractor

(1) The Bidder/Contractor commits itself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

1. The Bidder/Contractor will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2. The Bidder/Contractor will not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
3. The Bidder/Contractor will not commit any offence under the relevant Anti-corruption Laws of India; further the Bidder/Contractor will not use improperly, for purposes of competition or personal

gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

4. The Bidder/Contractor will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

(2) The Bidder/Contractor will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts .

I f the Bidder, before contract award has committed a transgression through a violation of Section 2 or in any other form such as to put his reliability or credibility as Bidder into question, the Principal is entitled to disqualify the Bidder from the tender process or to terminate the contract, if already signed, for such reason.

1. If the Bidder/Contractor has committed a transgression through a violation of Section 2 such as to put his reliability or credibility into question, the Principal is entitled also to exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the circumstances of the case, in particular the number of transgressions, the position of the transgressions within the company hierarchy of the Bidder and the amount of the damage. The exclusion will be imposed for a minimum of 6 months and maximum of 3 years.

2. The Bidder accepts and undertakes to respect and uphold the Principal’s absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground, including the lack of any hearing before the decision to resort to such exclusion is taken. This undertaking is given freely and after obtaining independent legal advice.

3. If the Bidder/Contractor can prove that he has restored/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal may revoke the exclusion prematurely.

4. A transgression is considered to have occurred if in light of available evidence no reasonable doubt is possible.

Section 4 – Compensation for Damages

1. If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover from the Bidder liquidated damages equivalent to 3 % of the value of the offer or the amount equivalent to Earnest Money Deposit/Bid Security, whichever is higher.

2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor

liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.
3. The bidder agrees and undertakes to pay the said amounts without protest or demur subject only to condition that if the Bidder/Contractor can prove and establish that the exclusion of the Bidder from the tender process or the termination of the contract after the contract award has caused no damage or less damage than the amount or the liquidated damages, the Bidder/Contractor shall compensate the Principal only to the extent of the damage in the amount proved.
Section 5 – Previous transgression

1. The Bidder declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the TI approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
2. If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 – Equal treatment of all Bidders/Contractor/Subcontractors

1. The Bidder/Contractor undertakes to demand form all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
2. The Principal will enter into agreements with identical conditions as this one with all Bidders, Contractors and Subcontractors.
3. The Principal will disqualify from the tender process all bidders who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidders/Contractors/Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 – External Independent Monitor/Monitors

(three in number depending on the size of the contract)

(to be decided by the Chairperson of the Principal)

1. The Principal appoints competent and credible external independent Monitor for this Pact. The task of the Monitor is to review independently and

objectively, whether and to what extent the parties comply with the obligations under this agreement.
2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Chairperson of the Board of the Principal.
3. The Contractor accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder/Contractor/Subcontractor with confidentiality.
4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or heal the violation, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.
7. Monitor shall be entitled to compensation on the same terms as being extended to/provided to Outside Expert Committee members/Chairman as prevailing with Principal.
8. If the Monitor has reported to the Chairperson of the Board a substantiated suspicion of an offence under relevant Anti-Corruption Laws of India, and the Chairperson has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
9. The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 12 months after the last payment under the respective contract, and for all other Bidders 6 months after the contract has been awarded.
If any claim is made/ lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is

discharged/determined by Chairperson of the Principal.
Section 10 – Other provisions

1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the Registered Office of the Principal, i.e. DHANBAD
2. Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.
4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

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For the Principal For the Bidder/Contractor

Place…… Witness 1 : ……

Date …… Witness 2 : ……