



ppBharat Coking Coal Limited

A Mini Ratna Company

(A Subsidiary of Coal India Limited)

(A GOVT. OF INDIA UNDERTAKING)

Koyla Bhawan, Koyla Nagar, Post- B.C.C.L. Township,

DHANBAD-826005 (Jharkhand)

OFFICE OF THE GENERAL MANAGER (MM)

Phone No. 0326-2230181 Fax No. 0326-2230183

CIN: U10101JH1972GOI000918, GSTIN: 20AAACB7934MFZB

(UNDER JURISDICTION OF DHANBAD/JARKHAND COURT ONLY)

Ref. No.: BCCL/Pur/618056/MB/Coil-Commutator /18-19/161

Dtd 14.03.2019

PURCHASE ORDER

REGD. POST/SPEED POST

To

M/s. KISAN ENTERPRISES, II-D/101 INDUSTRIAL AREA, BOKARO STEEL CITY- 827014 Ph: 9431162438 Email: kisanentpbksc@gmail.com	Vender Code: 1/13/M/G/635
	Type of Vender: Manufacturer
	PAN No. ACLPD4517A
	GST No; 20ACLPD4517A1ZH

Sub: Supply of Coil and Commutators of Electric Motors and Generator applicable to Excavators

Ref: (i) Our tender no.: BCCL/PUR/618056/MB /Coil-Commutator/18-19/23 Dt: 17.07.2018,

Opened on 24.08.2018

(ii) Tender Id no.: 2018_BCCL_108793_1

(iii) Your Bid Id: 325790

Dear Sirs,

With reference to above we, for and on behalf of BCCL, we hereby place order for supply of **Coil and Commutators of Electric Motors and Generator applicable to Excavators**.at the following items description, part no, rate, value and terms & conditions: -

NIT Sl. No.	DESCRIPTION / PART NUMBER	Specification	Material Code	HSN Code	QTY in no.	UOM	Unit rate (In Rs.)	Extended Value in Rs.
02	COMPLETE POLE COIL FOR 130HP DC CROWD/SWING MOTOR OF BE195B /MARION 182M 10CuM SHOVEL	BHEL MAKE MOTR FRAME No.- MD1808E	15557995563	8503	2	SET(1 set=04 coil)	26900.00	53800.00
04	COMPLETE POLE COIL 130HP DC CROWD/SWING MOTOR OF BE195B/MARION 182M 10CuM SHOVEL	GE MAKE MOTOR TYPE MEDV808/MD808, spare CAT no.- 36A16438AAAG01	15557995543	8503	1	SET(1 set=04 coil)	26900.00	26900.00
05	COMPLETE COIL FOR 54KW DC CROWD /PROPEL MOTOR OF EKG/EQC 4.6 CuM/5.0 CuM SHOVEL	BHEL DRAWING NO.-24113238062	15501975266	8503	7	SET(1 set=04 coil)	23800.00	166600.00
06	COMPLETE COIL FOR 54KW DC CROWD /PROPEL MOTOR OF EKG/EQC 4.6CuM/5.0 CuM SHOVEL	KIRLOSKAR ELECTRIC CO LTD MAKE GENERATOR FRAME NO. KMDC 808	15501975278	8503	11	SET(1 set=04 coil)	23900.00	262900.00

21/14/3/19

12/14/3

07	COMMUTATOR FOR 54KW DC CROWD /PRPEL MOTOR OF EKG/EQC 4.6 CuM /5.0 CuM SHOVEL	KIRLOSKAR ELECTRIC CO. LTD MAKE MOTOR FRAME NO. KMDC808 spl.	15501987301	8503	8	NO .	47900.00	383200.00
08	COMMUTATOR FOR 54KW DC CROWD /PRPEL MOTOR OF EKG /EQC 4.6 CuM /5.0 CuM SHOVEL, NO. OF SEGMENT-139	BHEL DRAWING NO.-24114238014	15501148146	8503	9	NO .	46700.00	420300.00
11	MAIN POLE FOR 534 KW DC CROWD /PROPELMOTOR OF EKG/EQC. 4.6 Cum/5.0 CuM SHOVEL	BHEL DRAWING NO.-24113238032	15501972015	8503	6	SET(1set= 4coil)	69300.00	415800.00
12	MAIN POLE COILFOR 54KW DC CROWD /PROPEL MOTOR OF EKG/EQC 4.6 CuM/5.0 CuM SHOVEL	KIRLOSKER ELECTRIC CO. LTD MAKE MOTOR FRAME NO. KMDC 808 spl	15501981682	8503	8	SET(1set= 4 coil)	55500.00	444000.00
Sub Total								21,73,500.00
GST@18%								3,91,230.00
TOTAL								25,64,730.00

Total Rs 25, 64,730.00

(Rs Twenty-Five Lakh Sixty-Four Thousand Seven Hundred and Thirty Only).

TECHNICAL DESCRIPTION

CONDUCTOR FOR ALL COILS: -

99.94% or above electrolytic grade Class- F / (Class –H for motor) strip/round conductor as per original size with class – Class- F / (Class –H for motor) varnished double glass covering as per IS specification no. - 10114.

HOWEVER, FOR COMMUTATING POLE COILS THE CONDUCTOR WILL BE 99.94% OR ABOVE ELECTROLYTIC GRADE & ANNEALED COPPER STRIP WITHOUT ANY SHARP EDGE, CRACKS & VOIDS.

INSULATION SCHEME

A) ARMATURE COIL

- Interlayer separation by 3 mills silicone glass-mica sheet throughout the coil length.
- Coil conductors to be bunched together without void or bulged out portion. Bend protection by TEFLON FER tape only.
- Slot portion insulation to be mould with samicaflex & epoxy bonding for a minimum dielectric strength of 2KV DC for one minute.
- Overhang portion insulation by samicaflex tapes only.
- Conductor lead taping by samica tape & 3 mills superfine quality glass-fiber tape with proper varnishing. Conductor end leads are to be tinned properly with 2% silver contained solder.
- Overhang portion to be final taped by 5 mills superfine quality glass-fiber tape as per IS: 5352-13-4 half - overlap & to be varnished properly.
- Class of insulation - Class- F / (Class –H for motor)

B) MAIN POLE COIL

- Each coil pack conductor to be wound as per size of coil in layers with layer to layer epoxy bonding as per the shape of original coils sample.

21/14/3/19

21/14/3

ii) Proper end terminal connectors are to be provided. The terminal connectors are to be properly secured within the coil pack to avoid any chance of breakage or loosening of the connectors.

iii) The coil conductor packs to be wrapped with multi-layer samicaflex tape only with epoxy bonding for ground insulation. Overall taping to be done by PERMACEL *P-- 300 or eqvt. tape completely cured at 125 deg. C for 8 hours as per process of curing. For Kirloskar make, no ground insulation is required.

iv) Spray type epoxy paint to be used for final finish for both the models.

v) Class of insulation --F/ (Class --H for motor)

C) COMMUTATING POLE COIL

i) Inter layer separation & bonding by PERMACEL * INTERCEM or epoxy resin based ceramic sheet with proper curing at required temperature & pressure for gapless & void free rigid bonding of the layers.

ii) Ground insulation by SAMICAFLEX tapes with epoxy bonding. Overall taping by PERMACEL *P--300 or eqvt. tape completely cured as per process of curing as stated above.

For Kirloskar make bobbin as per size of coil & core made out of glass epoxy to be used in which the conductor are to be wound in layers with epoxy resin bonding.

iii) Spray type epoxy paint to be used for final finish.

iv) Class of insulation--F/ (Class --H for motor)

D) COMMUTATOR

The commutator is to be strictly as per IS: 5885 - 1977.

Type of segment: - High conductivity hard drawn oxygen free silver bearing (silver content 0.06% or more) copper trapezoidal section with proper vee-groove & dimensions. The hardness & electrical conductivity will be as per IS--4519/1977 & without any sharp edge, crack, void, concave/convex surface, pitting marks etc.

i) Inter-segment insulation:- Alkyde veenyle treated hard pressed commutator mica sheet of appropriate size with proper thermal compressive & bonding property .

ii) Mica V-cones; - All mica vee-cones are to be formed separately by alkyde veenyle as per size of segment groove in separate moulds with commutator mica sheet .

iii) Steel V-rings :- Steel vee - rings are to be made from forged steel/high quality structural steel with provision of nut -bolts/check-nuts fastening arrangement as per requirements. The commutator hub are to be of same materials. Proper locking of each parts are to be done so that the complete commutator must act as a rigid single piece. All Vee rings must be protected from the copper segments on both sides.

iv) Sealing:- Gaps between vee-ring & copper segments are to be sealed with high quality RTV silicone sealant. The vee-ring projected portion to be banded with resi-glass only.

v) Risers :- Risers for flexible/ sprocket type are to be made out of virgin silver bearing copper sheet & must be tinned . Size & shape will be as per sample/ drawing.

vi) Ground insulation:- 5KV for one minute & bar to bar test at 500 volts.

vii) Class of insulation - Class 'F'/(Class --H for motor)

viii) seasoning:- All commutators must be seasoned static & dynamically as per IS recommended load & cycles depending on duty & size of the commutator. Spin test certificate at a speed of 1.2 times of the rated rpm of the commutator to be done. The commutators to be spin tested at 2000RPM

ix) Dynamic balancing:- The commutators are to be dynamically balanced at 1500 RPM

Testing

i) Copper and Silver percentage

ii) Following tests are to be done by the commutator manufacturers-

a) High voltage tests

b) Dynamic balancing

c) Bar to Bar test

d) Spin test & seasoning certificate for each commutator to be submitted at 1500 RPM

21
14/3/19

T
14/3/19

TERMS & CONDITIONS

01	Price	Firm and FOR destination basis.
02	Packing & Forwarding, Frt. & Ins	NIL
03	GST	<p>(a) GST shall be paid extra as legally applicable during the scheduled delivery period. Present rate of GST is @18% as above. The firm shall be advised to raise Tax Invoice as per GST Act / rules, so as to avail Input Tax Credit by BCCL.</p> <p>(b) You have to ensure proper uploading in your return so that BCCL may be able to avail Input Tax Credit.</p> <p>(c) If BCCL does not be able to avail Input Credit due to fault of the supplier then the loss amount to be recovered from the supplier.</p> <p>(d) The benefit of any extra input tax credit earned by you, if any, in future shall be passed on to BCCL.</p> <p>(e) E-Way bill, if required, shall be arranged by you.</p> <p>(NB: Any increase in taxes & duties beyond the stipulated delivery period will be to your account).</p>
04	Payment	100% payment within 21 days of receipt and acceptance of materials or from the date of receipt of Bill whichever is later at Consignee's end.
05	Delivery	Within 90 Days from the date of placement of purchase order. Delivery shall be reckoned from the 10th day of issue of order.
06	Fitment Guarantee	The firm should give a guarantee of fitment of the item in the above model of Equipment without any alteration i.e. addition or deletion.
07	Logo	Items supplied will be embossed/identification tag of the firm, if any in a convenient place where there is no wear of the component.
08	Warranty	The firm shall furnish the manufacturer's composite guarantee of satisfactory performance of the same in all respect for 18 months from the date of receipt & acceptance of material with the consignee or 12 months from the date of fitment whichever will occur earlier. If any defects are found due to faulty design, inferior quality of material or bad workmanship, the defective parts shall have to be replaced by the supplier free of cost within 30 days of such intimation by the end user.
09	Price Fall & L.D. Clause	Applicable as per Annexure-I(enclosed)
10	Security Deposit	The firm is required to deposit security money in the form of Bank Draft drawn in favour of "Bharat Coking Coal Limited" payable at Dhanbad, or by way of Bank Guarantee of any schedule Bank for 10% value of the order (value means F.O.R destination price) i.e. Rs. 2,56,473.00 within 15 days from the date of receipt of order. 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. For unsatisfactory performance and/or contractual failure the security money shall be forfeited. The BG for SD should be valid for three months beyond the delivery period.
11	After Sales Service	To be provided by the firm to end user.
12	Submission of Bills	100% value of bill duly stamped & pre-receipted in Six copies as per terms of the order should be submitted for payment to the paying authority through consignee. Bill should be submitted along with challan, packing list if any, guarantee/warranty certificate, fitment guarantee certificate, and other relevant document as specified in the order.

14/3/19

14/3/2019

13	Consignee	Depot officer, Sinidih Excavation Workshop, Sinidih, BCCL, Dhanbad, Jharkhand
14	Paying Authority	HOD(F)MM, PUR- FIN., BCCL, Dhanbad
15	Inspection	Final inspection shall be carried out at the consignee's end by representative of the GM (Excavation), BCCL after receipt of the material.
16	Mode of Dispatch	By Road on freight paid basis.
17	Inspection test clause	<p>The purchaser or 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.</p> <p>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.</p> <p>iii) Should any inspected or tested Goods fail to conform to the specifications, the purchaser may reject them and the supplier shall replace the rejected goods and make all alternatives necessary to meet specification requirements free of cost to the Purchaser.</p> <p>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.</p> <p>v) Nothing in these documents shall in any way release the supplier from any warranty or other obligations under this contract.</p>
18	Force majeure Clause	<p>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:</p> <p>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.</p> <p>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.</p> <p>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.</p>
19	Price Certificate	The Firm will certify on their Bills that the prices charged to BCCL is lowest and same as charged to other CIL subsidiaries/Govt. Under Taking/ Deptt and others.
20	Integrity Pact	<p>You have signed Integrity pact issued with NIT, 1. Prof. (Dr.) L.C. Singhi, IAS (Retd), L-31, Third Floor, Kailash Colony, New Delhi- 110048 2. Shri Pramod Deepak Sudhakar, IAS (Retd.), A-002, Stellar Park Apartments, C-58/24 Sector-62, Noida (UP)- 201 301</p> <p>will be independent external monitor against this contract/order.</p>
21	Jurisdiction	Any disputes will have jurisdiction of Dhanbad Court & Jharkhand High Court only.

21
14/3/19

14/3/2012

ALL OTHER REMAINING COMMERCIAL TERMS & CONDITIONS AND TECHNICAL SPECIFICATIONS ALONG WITH SCOPE OF SUPPLY WILL STRICTLY BE AS PER OUR NIT AS CONFIRMED IN YOUR OFFER AND YOUR SUBSEQUENT LETTERS.

N.B: - This purchase order/ contract is issued with the approval of the Competent Authority. This contract is concluded with the issuance of this order. Supply Order is being forwarded to you. You are advised to confirm the receipt of acceptance of the order within 15 days from failing which this order shall be deemed to have been accepted for execution.

Indent Nos. & date: BCCL/EXC/SWS/INDENT/2018/MB/01 dated 07.04.2018 of Sinidih Excavation workshop, BCCL, IR no. 618056 dated 13.07.2018

Budget certification No.: BCCL/HQ/PUR FIN/ADVANCE ACTION/REV BUD/18-19 HEMM SPARES SWS/43 dt. 09.03.2019 for Rs 31,66,523.00 only & eBC-110 and FC no. 36 dt. 09.03.2019 for Rs 31,66,523.00. & e-FC-91

Encl: ANNEXURE-I & Appendix-I

Yours faithfully,

21
14/3/19

(B.B.Roy)

Sr. Manager (Excvn) MM

14/3/2019

(R.K.Mishra)

Chief. Manager (MM)

Copy to:

1. GM (Excv.) HOD, Koyla Bhavan
2. HOD (F)MM, Koyla Bhawan, BCCL, Dhanbad
3. Depot Officer, Sinidih Excavation Workshop, BCCL, Dhanbad
4. Dy. G.M. Sinidih Workshop, BCCL, Dhanbad
5. Tech. Cell. MM Divn. Koyla Bhavan
6. Office Copy/Master Copy
7. Prof. (Dr.) L.C. Singhi, IAS (Retd.), L-31, Third Floor, Kailash Colony, New Delhi- 110048
8. Shri Pramod Deepak Sudhakar, IAS (Retd.), A-002, Stellar Park Apartments, C-58/24 Sector-62, Noida (UP)- 201 301

ANNEXURE-I

PENALTY FOR FAILURE TO SUPPLY IN TIME / L. D. CLAUSE

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 en-cash 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

The BIDDER undertakes that it has not supplied /is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the BIDDER to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded.

2
14/3/19

T E
supplies

Appendix-I

FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

M/s. Bharat Coking Coal Ltd.
Koyla Bhawan
Koyla Nagar
Dhanbad – 826005

In consideration of M/s Bharat Coking Coal Ltd. having its office at Koyla Bhawan, Koyla Nagar, Dhanbad hereinafter called "the Purchaser" (which expression shall unless repugnant to the subject or context including its successors and assigns) having agreed under the terms and condition of Contract No. dated made between M/s a Company having its office at (hereinafter called the supplier in connection with supply of hereinafter called the "said Contract" to accept a Deed of Guarantee as herein provided for Rs. in lieu of the security deposit to be made by the supplier for their due fulfillment of the terms contained in the said Contract, we, the Bank Limited (hereinafter referred to as the said Bank having its office at do hereby undertake and agree to indemnify and keep indemnified that Purchaser from time to time the extent of Rs. (Rupees :) against any loss. Damage caused charges and expenses caused to or suffered by or that may be caused to suffered by Purchaser by reason of any breach or breaches by the said supplier or any of the terms and conditions contained in the said Contract and to unconditionally pay the amount claimed by the Purchaser on demand and without demur to the extent aforesaid.

We, the (Name of the Bank) do hereby agree that any demand made by Purchaser 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 supplier has disputed its liability to pay or has disputed the quantum of amount or that any legal proceeding is pending between the Purchaser and the Supplier regarding the claim. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.

We, the (Name of the Bank) do further agree Guarantee herein contained shall come into force from the date hereof and shall remain in full force and effect up to Unless demand or claim under this Guarantee is made on us in writing on or before we shall be discharged of all liabilities under this Guarantee thereafter.

We, the (Name of the Bank) further agree with the Purchaser that the Purchaser, shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend the time of delivery of the specified items in the Contract 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 supplier and to forebear or enforce any of the terms and conditions relating to the said contract we shall not be relieved from our liability by the reason or any such variations or extension being granted to the said Supplier or for any forbearance act or omission on the part of the Purchaser or any indulgence by the Purchaser to the said Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so 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 the Purchaser the said sum of or such lesser sum as may then be due to the Purchaser and as the Purchaser may demand.

We, the (Name of the Bank) lastly undertakes not to revoke this Guarantee during this currency except with the previous consent of the Purchaser in writing.

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.

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

[In case the BGs are from outstation branch of Dhanbad then BG shall be encashable at Dhanbad/Kolkata branch of issuing bank with address and location of the said branch at Dhanbad/ Kolkata will be as under.

Name of the Bank:

Name of the Branch:

Location & Address:

The BG shall be subject to the jurisdiction of the competent courts at Dhanbad District only.]

The Bank guarantee issued by the Bank on behalf of the supplier in favour of Bharat Coking Coal Limited, shall be in paper form as well as issued under "Structural Financial Messaging System". The detail of beneficiary for issue of BG under SFMS mode is furnished below:

Name of Bank : State Bank of India
Branch name : Main Branch Dhanbad
A/C no. : 35160317947
IFSC Code : SBIN0000066
OR

Dated-----day of -----	Name of Bank : ICICI Bank
For-----Bank Limited	Branch name : ICICI Bank, Dhanbad
	A/C no. : 019605001057
	IFSC Code : ICIC0000196

Signature of the authorized person
For and on behalf of the Bank
Emp. Code

21
14/3/19