



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)

SUPPLY ORDER NO. BCCL/PUR/210025/11-12/ FLPSC MOTOR/53/13-14/254

dtd 20.01.2014

To,

M/S SURYA UDYOG,
2,GREWAL COLONY,BEKAR BANDH,
DHANBAD-826001

BY REGD POST

(VENDOR CODE: 1/13/M/G/435)

SUB: Supply of DGMS Approved FLP SQUIRRELCAGE MOTOR

REF: i) our e tender no. BCCL/PUR/210025/ FLPSC MOTOR/11-12/53 dated 14.07.11,Part-I opened on 26.08.11,Price bid(ON LINE) on 27.08.12

ii)Your offer no.SU/10-11/233 Dated 25.08.2011.

iii) Our letter no. 210025/ FLPSC MOTOR/11-12/5453 dated 22/24.10.11, 7029 dated 12.01.2012,1995-96 dated 24.08.2012 and 2535 dated 28/29.09.2012.

iv)Your letter no. SU/11-12/359 Dated 18.11.2011 , SU/11-12/447 Dated 12.01.2012, SU/12-13/257 Dated 25.08.2012, SU/00124/B-61/12-13/500 Dated 01.02.2013 and SU/ B-61/00124/ /13-14/383 Dated 07.01.2014

v)Letter no. MS/BCCL Dated 24.08.2011 and MS/BCCL Dated 30.01.13 of M/S Marathon Electric Motor(India) Limited,Kolkata

Dear Sirs,

With reference to the above, we are pleased to place an order on you for **Supply of DGMS Approved FLP Squirrel Cage Induction Motor** at the rates and scope of supply as indicated under as per the technical specification specified in the Annexure-I enclosed and as per the terms and conditions given hereunder alongwith general terms and conditions of NIT.

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20/01/2014

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Sl. No.	MATERIAL CODE	ITEM DESCRIPTION	QTY(SET)	UNIT RATE(RS)	EXTENDED VALUE(RS)
1	28858990143	315 KW 3.3KV 1440RPM FLP SQUIRREL CAGE INDUCTION MOTOR DGMS APPROVED (Manufacturer M/S Marathon Electric Motors (India) Limited, Paharpur works, 58, Taratola Road, Kolkatta-700024) (Detailed technical specifications as per Annexure-A Enclosed)	01	23,41,350.00	23,41,350.00
					23,41,350.00

(RUPEES TWENTY THREE LAKHS FORTY ONE THOUSAND THREE HUNDRED AND FIFTY ONLY)

1.PRICES: The above prices are on FOR destination basis inclusive of Packing & Forwarding and Insurance Charges. However, Freight charges shall be payable extra @1% of the above basic price ie for Rs 23,413.50 for FOR destination supply.

2.EXCISE DUTY: inclusive in the above price. You being registered with central excise you shall submit the excise invoice (indicating therein all excise registration details) at the time of supply of materials as per actual excise duty amount charged by your principal, the maximum present rate of which is @12.36%, along with the supply documents enabling BCCL to avail input credit, if applicable, as per provisions of CENVAT.

3.SALES TAX: J-VAT shall be payable extra, as applicable at the time of delivery within the stipulated delivery period. The present/offered rate is @5%, for which you shall raise vatable invoice enabling BCCL to avail ITC as per JVAT provisions.

4.DELIVERY PERIOD: to complete the supply within six to seven months from the date of issue of the order. However, you may improve upon the delivery.

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5. PAYMENT TERMS: Payment shall be made within 21 days of receipt and acceptance of the materials or from the date of submission of the bill, whichever is later, against submission of Performance Bank Guaranty. Scanned copy of Your bank details/EFT mandate submitted by you alongwith your offer is enclosed for payment through EFT.

6. CONSIGNEE: Depot Officer, Regional Stores, BCCL, Govinpur Area, Dist: Dhanbad, Jharkhand, India.

7. ALLOCATION: Govinpur Area, BCCL

8. PAYING AUTHORITY: GM(F)MM, BCCL, Koyla Bhawan, Dhanbad.

9. GURANTEE / WARRANTY: The supply shall be covered by the maker's standard guarantee as follows:

The supplier shall warrant that the equipment supplied under the contract / supply order

(a) is new, unused and of current design not likely to be discontinued or become obsolete till the life of the offered equipment.

(b) Is in accordance with the contract specifications.

(c) Shall have no defects arising out of design, materials or workmanship.

The supplier shall guarantee for the satisfactory performance of the complete equipment/ stores for a period of 12 months from the date of commissioning or 18 months from the date of receipt and acceptance of the materials, whichever is earlier. In the event of any defects in materials, design and workmanship during the aforesaid period is found due to faulty design or poor workmanship, the defective part or parts will be replaced by the supplier at site free of cost within 30 days of settlement of warranty claims. The supplier will be required to stock spare parts to take care of warranty failures. Spares should be available within 2 weeks of the breakdown being intimated to them.

The guarantee/composite warranty shall be submitted along with the bill. The warranty shall cover for the total equipment so that the necessity of having to approach different manufacturers of various components/assemblies does not arise and all services under warranty clause shall be the responsibility of the ultimate supplier of the composite equipment. You will also replace the defective parts, if any, during the warranty period free of cost. The responsibility to collect the defective / rejected material will lie with the supplier and the cost for such collection will have to be borne by the supplier.

10. SECURITY DEPOSIT: You shall deposit as security money 10% of the value of the contract ie for **Rs 2,48,184.00** (Rupees Two Lakh Forty Eight Thousand One hundred and eighty four only) in the form of Bank Draft /Bank Guarantee within 15 days from the date of order. The validity of B.G. will be for a period of three months beyond the expiry of delivery period. If the contractor fails to deposit the security deposit within 15(fifteen) days from the date of order, the

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same shall be recorded as unsatisfactory performance for future dealings apart from taking any other penal action as may be deemed fit by BCCL . For successful contractor, the Security Money shall be Refunded within 30 days of satisfactory execution of contract. For unsatisfactory execution of contract and/or failure of execution of contract, the security money shall be forfeited. The Security money may be converted into PBG. Your EMD furnished alongwith the tender shall be returned on submission of Security deposit duly confirmed. The BG format for security deposit shall be as was provided alongwith the NIT.

11. PERFORMANCE BANK GUARANTEE (PBG)- PBG on schedule/Nationalized Bank in India valid for three months beyond the expiry of Guarantee/Warranty period of the contract (ie valid for 21 months from the date of receipt and acceptance of materials at destination site) for 10% value of the contract ie for **Rs Rs 2,48,184.00** (Rupees Two Lakh Forty Eight Thousand One hundred and eighty four only) shall have to be submitted to MM Division, BCCL, Koyla Bhawan on or before commencement of supply/ installation/commissioning. The format for PBG shall be as was provided alongwith the NIT.

The original Bank Guarantee should be sent to the beneficiary directly by the issuing bank under registered post with A.D

12. Inspection and Tests:

- i) The purchaser or its authorised 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) The inspections and tests may be conducted on the premises of the supplier or its sub-contractors), 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 date, 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 or make all alternatives necessary to meet specification requirements free of cost to the Purchaser.
- iv) The Purchaser's right to inspect, test and, where necessary, reject the goods after the Goods arrival in the Purchaser's country 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 representatives prior to the Goods shipment from the country of origin.
- v) Materials are subject to inspection by the purchaser before dispatch. The materials may also be subject to stage inspection by a third party nominated by BCCL for the purpose. Final inspection shall, however, be carried out at the consignee's end.
- v) Materials are subject to inspection by the purchaser before dispatch. The materials may also be subject to stage inspection by a third party nominated by BCCL for the purpose. Final inspection shall, however, be carried out at the consignee's end.

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

vii) The purchaser shall, at its discretion, have the right to test the ordered material in a Government Test House or in a test house nominated by the purchaser. In case of failure of the material after testing, the cost of tests as well as of the material shall have to be borne by the supplier.

Final Inspection at destination site shall be arranged by the consignee within one week from the date of receipt of the material. Supplier's technical representative must be available at the time of inspection.

13. TRANSIT INSURANCE: Shall be arranged and covered by you for safe arrival of the materials to the consignee end at your cost and risk.

14. PENALTY FOR FAILURE TO SUPPLY IN TIME: Liquidated Damage (LD) Clause/Risk Purchase clause: The 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 deliver the stores within the stipulated date/ period in accordance with the samples and/or specification mentioned in 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

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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.

15.PRICE FALL CLAUSE:

i) The prices charged for the stores supplied under the contract by the supplier shall in no event exceed the lowest price at which the supplier offer to sell the stores of identical description to any other organization from date of offer till completion of supply under the contract.

ii) If at any time during the said period the supplier offers lower sale price of such stores to any other organization at a price lower than the price chargeable under this contract, the supplier shall forthwith notify such reduction or sale to the consignee concerned under intimation to GM(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.

A certificate to this effect shall be submitted by you alongwith the supply bill.

16.SUBMISSION OF BILL: Pre-receipted stamped original bill for 100% value in four copies along with delivery challan in original, Guarantee/ Warranty certificate, and other relevant documents as indicated elsewhere in the order should be submitted to the Paying Authority through Consignee only.

17.PACKING: Consignment shall be supplied in suitable standard proper packing.

18.FORCE MAJEURE CLAUSE: If the execution of the supply order is delayed beyond the period stipulated in the 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.

19.ISSUE OF ROAD PERMIT: Road Permit if required may be obtained directly from the Consignee under intimation to this office.

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20.DGMS APPROVAL:Following Documents will have to be submitted at the time of supply :

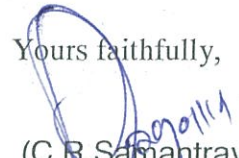
- a)An attested copy of currently valid DGMS approval for FLP motor indicating capacity and voltage grade will have to be submitted at the time of delivery alongwith the supply .
- b) A copy of routine test as per relevant BIS of all motors will have to be submitted at the time of delivery alongwith the supply.
- c)Technical assistance / guidance necessary literature , drawing etc should be provided at the time of delivery alongwith the supply.

Enclosure:1.Annexure-I- Detailed technical specifications and Technical Data.

2.Photocopy of GA drawing no.A3C 18412/028 In support of frame dimensions

3.Scanned copy of Your bank details/EFT mandate


(Nadeem Khan)
MT(MM)

Yours faithfully,

(C R Samantray)
Chief Manager(MM)
For & on behalf of Bharat Coking Coal Ltd.

INDENT AND BUDGET REFERENCE:

Indent reference	Budget Certification no. & dt., & FC No.& dt.
No.BCCL/CGM(E&M)/F.Central Indent(Elect)/2010-11/028 dated 24.01.2011 under covering Notesheet vide no. BCCL/CGM(E&M)/F.C.INDENT/09-10/187/N dated 31.08.2009 registered vide MMD regn no. 211025/11-12 dtd 16.04.11,approved by CMD,BCCL	BC NO.BCCL/C&B/CAP/Reg PN.34/SN.275/ebc no.511 Dated 06.01.2014 For Value: Rs 24,81,831/- ,given by Chief Manager(F)Cost & Budget Dept,BCCL FC given by Cost & Budget Dept,BCCL vide e-FC No.176 dated 07.01.2014 for Rs 24,81,831/-

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COPY: M/S Marathon Electric Motors (India) Limited, Paharpur works, 58, Taratola Road, Kolkatta-700024

COPY:

1. GM(E&M), Koyla Bhawan

2. GM(F), MM , Koyla Bhawan.

3. CHIEF MANAGER(F)C&B, BCCL HQ, Dhanbad.

4. Depot Officer, Regional Stores, BCCL, Govindpur Area, Dist: Dhanbad, Jharkhand, India .

✓ 5. MM(Tech Cell), MM Div, Koyla Bhawan.

6. IEM: Justice Ashok Kumar Chakraborty (Retd), BB-69, Sector I Salt Lake, Kolkata – 700 064

7. GM(MM)CIL/CCL/SECL/ECL/NCL/WCL/MCL/NECL

8. MF/Office Copy


MT(MM)


Chief Manager(MM)

ANNEXURE-A(TWO PAGES)

TECHNICAL SPECIFICATION

The specification covers the requirement of three phase foot mounted continuous rating and duty type induction motors.

The motor shall comply with latest version of IS 325 & IEC 34-1 except where modified or extended by this specification and with relevant parts of standards. Any material and component not specifically stated in this specifications but necessary for Trouble free operation of the motor and its accessories specified herein shall be deemed to be included.

SL. No	PARAMETERS	VALUES
1	Reference standard	IS 325
2	Service condition	
a)	Ambient air temperature	Maximum 50°C
b)	Altitude	Maximum up to 100M above MSL
c)	Location	Heavily polluted with coal dust For FLP Degree three gassy mines
3	DESCRIPTION	315 KW 3300V 1440RPM ,3Phase FLP SQUIRREL CAGE MOTOR (required for UG)
4	Frequency	50 HZ(±5%)
5	Voltage	3300V (±10%)
6	Class of duty	Continuous(S1)
7	Type of rating	Continuous
8	Class of insulation	Class F
9	Temperature rise allowed over the motor surface for FLP	60°C
11	Degree for protection for enclosure of motor	IP 54
	Degree for protection for terminal box	IP 54
12	Method of cooling	IC 0151
13	Type of bearing	Suitable as per capacity of motor
14	Lubrication of bearing	Lithium grease for roller & thrust bearing
15	Mounting	Horizontal Foot (B3)
16	Maximum value of slip	5%
17	No. of phases	3

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18	Minimum power factor at full load	0.90
19	Minimum efficiency at full load	90%
20	Maximum value of locked rotor current as percentage of full load current	650%
21	Maximum value of locked rotor torque as percentage of full load torque	185%
22	Minimum value of pull out torque as percentage of full load torque	200%
23	Clearance between phases at terminal box.	70 mm
24	Clearance between phases at terminal box.	60 mm
25	Frame dimension	KF-400, Photocopy of GA drawing no.A3C 18412/028 In support of frame dimensions enclosed.

MT(MM)

Chief Manager(MM)

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