


ORIGINAL BY REGD. POST.

	BHARAT COKING COAL LIMITED (A Subsidiary of Coal India Limited) Office of the General Manager(MM) Materials Management Department Commercial Block L-III , Koyla Bhawan : Koyla Nagar Dhanbad : 826005(Fax No- 0326-2230183)	
	SUPPLY / PURCHASE ORDER	Under jurisdiction of Dhanbad Court and Jharkhand High Court only.
Ref. No. BCCL/Pur/570134/E&M/FLP-ACB/10-11/137/ 152		Dt. 01/10/2011

To,
 M/s Mineline Pvt. Ltd.
 23, Indrani Park,
 Kolkata-700 033

REGISTERED POST
Fax- 91-33 – 2422 8088
Phone No.-033-2417 2709/ 8398
VENDER CODE : 1/03/M/T/141

SUB: This office Tender No. BCCL/Pur/570134/E&M/FLP-ACB/10-11/137:
 Due & Opened on 04-04-2011.

REF: Your offer no. M11/BCCL/10, Dt. 22-03-2011 & Subsequent
 correspondence on the above subject .

Dear Sirs,

With reference to the above, we , for and on behalf of BCCL , hereby place PURCHASE ORDER on you for supply of following items as per rate , terms and conditions indicated below :

1. SCOPE OF SUPPLY : "DGMS APPROVED FLP AIR CIRCUIT BREAKERS 550V"

The detailed description along with specification / size / ratings of the items along with Qty. to be supplied , Unit Rate and Extended Value will be as under :

Sl.	DESCRIPTION	QTY.	BASIC RATE (RS)	VALUE (RS)
	FLP 550V ACB 400 AMP	22	34,900.00	7,67,800.00
	FLP 550V ACB 200 AMP	28	25,125.00	7,03,500.00
	FLP 550V ACB 100AMP	54	24,875.00	13,43,250.00
TOTAL BASICVALUE(RS)				28,14,550.00
ED				NIL
CST@2%				56,291.00
P&F				NIL
TRANSIT INSURANCE				NIL
FREIGHT(Rs.) @ 500.00 per No.				52,000.00
CMPDIL INSPECTION CHARGE(Rs) @ 0.8%OF FOR PRICE				23,382.73
10.3% SERVICE TAX ON INSPECTION CHARGE(Rs)				2408.42
TOTAL EXTENDED VALUE(RS)				29,48,632.15
ROUND OFF				29,48,632.00

Total Order Value Rs. 29, 48,632.00 (Rupees Twenty Nine lakh forty eight thousand six hundred thirty two only)

(Detailed Technical specification will be as per Annexure “ A “ enclosed at page – 6-10)

2. TOTAL ORDER VALUE : The total order value will be **Total Order Value Rs. 29, 48,632.00 (Rupees Twenty Nine lakh forty eight thousand six hundred thirty two only)** only on F.O.R. Destination basis .

3. PRICE- Firm and FOR Destination

4. EXCISE DUTY & CESS : Inclusive

5. CST. : Will be paid extra @ 2% against issue of form ' C ' by consignee (as indicated above)

6. PACKING & FORWARDING CHARGES : Inclusive .

7. FREIGHT :- Rs. 500.00 per item

8. INSURANCE CHARGES : Nil

9. MODE OF DESPATCH : By Road on F.O.R. Destination ,Freight paid basis

[NOTE : You will ensure safe & sound delivery of stores at consignee's end .]

10. ROAD PERMIT : Road permit , if required , may be obtained directly from the consignee under intimation to this office .

11. DELIVERY PERIOD : Commencing within 2-3 months and completion within 5-6 months thereafter *However , keeping in view of our urgency, earliest delivery will be appreciated .*

Delivery period shall be reckoned from 10th day of placement of order.

Any increase in the rate of taxes & duties beyond delivery period will be to your account .

12. Consignee:	13. Paying Authority
The Depot Officer , Central Stores , Ekra , B.C.C.L.	The General Manager (F)(MM) , Purchase Finance , Koyla Bhawan , B.C.C.L. , Dhanbad

14. PAYMENT TERM : 100% within 21 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

15. SUBMISSION OF BILL : Pre –receipted stamped original bill for 100% value in triplicate along with delivery challan in original, Guarantee/ Warranty certificate , Pre-Dispatch Inspection certificate of CMPDIL and other relevant documents etc should be submitted to the Paying Authority through Consignee only.

PARTICULARS OF BANK ACCOUNT:	M/s Mineline Pvt. Ltd. 23, Indrani Park, Kolkata-700 033
Name of the Bank.	INDIAN OVERSEAS BANK
Name of the Branch with complete address.	Lansdowne Market Branch 63/1A, Sarat Bose Road, Kolkata-700025
Party's Account Style.	Mineline Pvt. Ltd.
Party's nature of Account.	C / C
Party's Account Number.	013502000001440

No payment will be made without submission of performance Bank Guarantee

16. GUARANTEE /WARRANTY : Materials supplied should be guaranteed for a period of 12(twelve) months from the date of fitment or 18 months from the date of receipt and acceptance at consignee end , whichever is earlier , against any manufacturing defects / workmanship / inferior quality. Any defect observed on this account shall be attended immediately and replace the materials within 30 days free of cost.

17. PRICE CERTIFICATE : You should submit a certificate along with bill as stated below:

“ The rates of the stores under this contract are the lowest at which we are selling to any other customer/Govt. Deptt./ Subsidiaries of CIL/ Other PSUs . If the materials are sold at any lower rate than that mentioned in this contract to any other agency , the same will automatically be applied to this contract from that date “

18. SECURITY DEPOSIT - "WAIVED" as being registered with NSIC .

19. INSPECTION – Pre-dispatch inspection of each consignment shall be carried out by M/s. Central Mine Planning & Design Institute Ltd(CMPDIL), Ranchi/their Regional Office as per the terms and conditions indicated hereunder:

Pre-dispatch inspection shall be carried out by M/s.CMPDIL(the above firm) as per their methodology. The third Party Inspection shall include examination of raw material, test certificate verification, continuous monitoring of quality assurance by manufacturer which will include regular and surprise visits. In brief, the scope and condition of inspection by M/s.CMPDIL will be as follows :

Checking and approval of test procedures/quality assurance plans.

Verification of records and documents of your works.

Verification of documents and test certificate of bought out items and cross checks.

You shall provide facilities for carrying out all necessary tests as required in the specification at your works else these will be carried out at an independent test house at your cost.

Final testing and checking of materials as per specifications.

M/s.CMPDIL will have full and free access to the premises of manufacturer during the process of manufacturing and during inspection activities.

Inspection fee @ 0.80% of total F.O.R. Destination price with service Tax of 10.30%, is to be paid to M/s.CMPDIL alongwith inspection call letter payable by DD which will be reimbursed subsequently by BCCL together with consignment billing.

Minimum 7 calendar days notice shall be given by you to M/s.CMPDIL for arranging inspection within valid delivery period as per contract.

The ultimate responsibility for supply of correct materials as per requirement of relevant specification lies solely with you inspite of clearance/acceptance by inspection authority i.e. M/s.CMPDIL. The manufacturer will be required to replace the material free of cost if found defective/unserviceable/not according to relevant specifications.

The charges for third party inspection and the cost of materials that would be required for destructive tests, if any, shall be reimbursed by BCCL together with the consignment billing. Such cost shall be reimbursed only if it is duly certified by M/s.CMPDIL.

Please send inspection call to M/s.CMPDIL, Ranchi/ their Regional Office as indicated above

Final inspection shall be arranged by the consignee after receipt of the material at our destination.

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 shall be arranged by the consignee after receipt of the material at our destination.

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.

20. PERFORMANCE BANK GUARANTEE – 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 on or before commencement of supply. 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.

21. PENALTY FOR FAILURE TO SUPPLY IN TIME

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 this office .

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 you , as agreed liquidated damages, a sum not less than 0.5% (half percentage) of the price of the stores which you have 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 you, on your account and risk , the stores not supplied or others of a similar description without canceling 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 your risk and cost 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 you, 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 you 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, you will pay BCCL on demand the remaining amount. You will not be entitled to any gain under this clause.

22. 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 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.

All other terms & conditions along with Technical Specifications and Scope of supply will strictly be as per our NIT and company's norms .

ALL DISPUTES ARE SUBJECT TO DHANBAD COURT AND JHARKHAND HIGH COURT JURISDICTION ONLY.

This contract is concluded with the issuance of this order . Two copies of the order is being sent to you . You are advised to acknowledge the receipt and acceptance of the order by returning one copy duly signed and stamped to this office positively within 15 days , failing which this order shall be deemed to have been accepted by you for execution .

Encl. : Annexure “ A “

Yours faithfully,
For & on behalf of Bharat Coking Coal Ltd.

(NIRAJ KUMAR)
Manager (Excvn.) (MM)

(A. K CHOUDHARY)
CM (MM)

INDENT & BUDGET CERTIFICATION REFERENCE

Indent no. and Date	Budget Certification no. & dt.
BCCL/CGM(E&M)/F-C. Indent/10/02 Dt- 22-09-2010 IR No. 0134 (10-11) Dated 16-012-2010	BCCL/C&B/BE/11-12/105, Dt. 01-10-2011 for Rs. 29,48,632=00 A/C - Cap Vide no-P&M; Code – 7615

Copy to:

1. Depot Officer, Ekra Central Stores.
2. G.M.(F)(MM), MM DIV, Koyla Bhawan.
3. CGM(E&M), Koyla Bhawan.
4. C.M.(MM)(Tech Cell), MM Div, Koyla Bhawan.
5. CGM(E&M), CMPDIL, Gandhi Nagar, Kanke Road, Ranchi
6. CGM(MM)/GM(MM), CCL / WCL/ SECL / MCL / ECL.
7. Master File/Office Copy

ANNEXURE-“A”**TECHNICAL SPECIFICATION FOR FLP AIR CIRCUIT BREAKERS 550V**

This specification covers requirement for 550 V Air circuit breaker suitable for use in underground mines . The air circuit breakers shall comply with latest revision of NCB specification 209 or equivalent except where modified or extended by provision of this specification and with the relevant part of standards as amended in clause 2.0

<i>S.N.</i>	<i>DESCRIPTION</i>	<i>PARAMETER</i>
1.0	SERVICE CONDITIONS	
1.1	Place of use	U.G. Coal mines
1.2	Maximum ambient air temp.	45 deg. C.
1.3	Minimum ambient air temp.	5 deg. C.
1.4	Relative humidity	98%
1.5	Environment	Dusty(mostly coal dust)
2.0	Conformity to standards	
2.1	General requirement	IS:13947(Part1)-1993
2.2	Circuit breaker	IS:13947(Part2)-1993
2.3	Isolator	IS:13947(Part3)-1993
2.4	Enclosure	IS:2148 - 1981
2.5	P.T.	IS:3156(Part1,2&3)1992
2.6	C.T.	IS:2705(Part1,2&3)1992
2.7	Other components	Relevant IS specification
3.0	BASIC PARAMETERS:	
3.1.0	Rated voltage	550V
3.1.1	No. of phases	3
3.1.2	Frequency	50HZ
3.2.0	Rated current	As shown in annexure
3.3.0	Rated duty	Class 3.25%
	DETAILED SPECIFICATIONS	
4.0	ENCLOSURE:	
4.1.0	Type of enclosure	Flameproof skid mounted
4.2.0	Construction	Two compartment

S.N.	DESCRIPTION	PARAMETER
4.2.1	One compartment shall house Through going bus bars and isolator	
4.2.2	Second compartment i.e. main chamber shall house circuit breaker ,protective devices etc.	
4.3.0	<u>CABLE ENTRIES :</u>	
4.3.1	Incoming , through going as well as outgoing FLP cable terminal boxes shall be provided with cable sealing boxes having cone type cable glands suitable for PVCDWA mining type cables confirming to IS1554pt2. Auxiliary terminals intrinsically safe circuit for interlocking face equipment with blanking covers.	
4.3.2	For bus trunking of the ACB and suitable FLP trunking box shall be provided .	
4.3.3	Blanking cover shall be supplied to cover the through going terminals of the bus bar when bus trunking or through going cable box is not used .	
4.3.4	The cable sealing boxes shall have provision for pouring cable compound .	
4.4.0	Mounting	The enclosure shall be mounted on skids .
4.5.0	Statutory requirement	Enclosure with all cable entries and blanking covers shall have the approval of DGMS for use in U.G. coal mines (i.e. for group 1 gases)
5.0.0	<u>BUS BARS:</u>	
S.N.	DESCRIPTION	PARAMETER
5.1.0	Material and construction	Shall be made of high conductivity electrolytic copper not less than 250 sq.mm
5.3.0	Cover	The Bus bars shall be covered in heat shrink PVC sleeves

5.4.0	Capacity withstand short circuit	The bus bars shall be able to with stand the thermodynamic stresses arising out of short circuit for 3 seconds.
6.0.0	<i>ISOLATOR:</i>	
6.1.0	Type of isolator	Triple pole OFF load rotary type
6.2.0	Rated current	Not less than rated current of breakers .
6.4.0	Rated short time with stand current	Not less than 8KA for 1sec.
6.5.0	Mechanical interlock with front cover of main chamber	The isolator is mechanically inter locked with front cover in such a way that the front cover can be opened only when the isolator is in OFF position and the isolator can not be turned ON when the cover is opened.
6.6.0	Electrical interlock with front cover of main chamber	The isolator is electrically inter locked with circuit breaker such that the circuit breaker will be tripped by the first movement of isolator when turning it OFF.
7.0.0	<i>CIRCUIT BREAKER:</i>	
7.1.0	Type	Air break type
7.2.0	Rated service short circuit breaking capacity	Not less than 8 KA
7.3.0	Rated ultimate short circuit breaking capacity	Not less than 8 KA
S.N.	<i>DESCRIPTION</i>	<i>PARAMETER</i>
7.4.0	Rated short time with stand current	Not less than 8 KA for 1sec
7.5.0	Contacts	Independently spring loaded silver plated
7.6.0	Arc chutes	Electromagnetic arc chutes
7.7.0	Actuating system	Mechanical, manually operated
8.00	<i>POTENTIAL TRANSFORMER:</i>	
8.1.0	Rated out put	Bidder to indicate
8.2.0	Primary voltage(tapping)	400/440/500/550V
8.3.0	Secondary voltage	Suitable for 110V (Under volt coil . Metering, E/L test circuit, remote trip circuit and indicating lamps.
8.4.0	Protection for P.T.	3nos. of HRC fuses of suitable rating on primary side .

9.0.0	PROTECTIONS ;	
9.1.0	Overload protection	
9.1.1	Type of O/L relay	CT operated , electromagnetic oil dashpot type
9.1.2	Range of current adjustment	50 to 200 % of full load current
9.1.3	C . T.	Appropriate ratio , class of accuracy.
9.2.0	Short circuit protection	
9.2.1	Type of S.C. protection relay	Instantaneous , Electromagnetic setting 200 to 600%
9.3.0	Under voltage protection	
9.3.1	Rated voltage of under volt relay	Under voltage relay operating at 110V AC from the secondary of PT operate at about 70% of rated voltage.
9.3.2	Operating voltage of relay	70% of the rated voltage
9.4.0	Earth leakage protection	
9.4.1	Type of E/L relay	
S.N.	DESCRIPTION	PARAMETER
9.4.2	CBCT Operated	The breaker should be provided with dual earth leakage relay with an option to use one at a time . The Trip current value of earth leakage should have current setting 50 milli amp to 250 milli amps having set value at 50 ,80 ,100 . 150 .200 250 m A with time lag between 0 to 1 sec in steps of 100 m sec for option 1 and 750 m A to 5 A with time lag between 0 to 1 sec in case of option 2 Earth leakage relay shall be of high quality and subjected to relevant test as per the Indian standard or IEC to ensure satisfactory performance , the report of standard test house for the same should be submitted .
9.4.3	Testing and resetting of the relay	By means of push button on front cover of the panel .
9.4.4	Indication of E.L. trip	By means of indicating lamp on front cover
10.0.0	METERS	
10.1.0	Ammeter	Suitable dimensional and suitably sealed ammeter shall be provided in the toughened glass window on the front cover of FLP enclosure.
11.0.0	The whole internal unit in the main chamber shall be semi draw out type with locking arrangement .	

12.0.0	Printed circuit diagram on brass plate shall be affixed on the inside of cover .	
13.0.0	Make/Model no. of ACB	
14.0.0	Front Covers	<p>The front cover door shall be completely removable type and secured firmly by high tensile bolts and nuts . A warning shall be inscribed on the front cover to ensure that “the front cover should be opened only when the isolator is in OFF position “ . The front cover shall comprise of the following:</p> <ul style="list-style-type: none"> a) E/L indicator lamp/Flag b) E/L test/reset device operable through external keys /push buttons.

Documents to be submitted along with supplies

- 1) Self certified copy of DGMS approval
- 2) Works test certificate for the routine test as per IS:13947
- 3) Maintenance instruction and part catalogue
- 4) Circuit diagram

QUANTITY – 550V,400A , FLP ACB – 22no.

- 550V,200A , FLP ACB – 28 no.

- 550V,100A,FLP ACB – 54 no.

Manager (Excvn.) (MM)

CM (MM)