



BHARAT COKING COAL LIMITED
 (A Subsidiary of Coal India Limited)
 Office of the General Manager(MM)
 Koyla Bhawan : Koyla Nagar
 Dhanbad : 826 005

GRAM ; KOKINGKOL
(Phone No. 0326 – 2230181
(Fax No. 0326 -2230183)

Ref. No.PUR/611094/Main pole & Compole coil /SWS/12-13./ 65

dtd. 4.07.2012

PURCHASE ORDER
BY REGD.POST

To
 M/s Spares & Equipment s
 1C,Nilmoni Row
 Post- Cossipore
 Kolkata 700002
 Fax 03325306071

Vender code-1/12/M/S/095

Dear Sirs,

Sub: Supply of Main & Compole coil for Motor Generator for 10 cubic mtr
 Excavator)

Ref i) Our tender no. Pur/611094/Main & compole coils/Domestic/SWS/11-12/e-
 tender/87 opened off line on (dtd 13.10.2011) and on line on (dtd 14.10.2011).

ii)Your offer No. S&E/BCCL/QTN-101/11-12 dtd 5.10.2011& subsequent
 letters dtd 27.12.2012 dtd 15.06.2012 and dtd 2.07.12

With reference to above we, for and on behalf of BCCL, hereby place order for supply of
 Main & Compole coil for Motor Generator for 10 cubic mtr shovels as per details of items
 description , quantity, rate and value along with technical specification as per Annexure-A and
 other terms and conditions as given hereunder :

Scope of supply

S.no.	Item Description	Qty in no.	Basic Rate in Rs	Value in Rs
1	MAIN POLE COIL FOR 130HP DC CROWD / SWING MOTOR OF BE195B / MARION 182M SHOVEL	2	14000.00	28000.00
2	MAIN POLE COIL FOR 255HP DC PROPEL MOTOR OF BE195B SHOVEL	2	31300.00	62600.00

7	COMPOLE COIL FOR 255HP DC PROPEL MOTOR OF BE195B SHOVEL	2	18700.00	37400.00
8	COMPOLE COIL FOR 195HP DC PROPEL MOTOR OF MARION 182M SHOVEL	2	15300.00	30600.00
9	COMPOLE COIL FOR 70HP DC CROWD MOTOR OF P&H 1900AL SHOVEL	2	10200.00	20400.00
10	COMPOLE COIL FOR 112.5KW DC C / P GENERATOR OF P&H 1900AL SHOVEL	2	12750.00	25500.00
			Sub Total	204500.00
		Extra	CST@2%	4090.00
		Landed	Total value	208590.00

Terms and Conditions:-

01	Price	Firm and F.O.R. destination.
02	ED & Cess	Not applicable
03	CST	Extra @ 2 %against 'C' Form
04	P&F, Frt. & Ins.	nil
05	Payment term	100 % payment within 21 days from the date of receipt and acceptance of materials or from the date of receipt of Bills by consignee at consignee's end whichever is later. Payment shall be made through Electronic fund transfer (EFT) for which you are requested indicate your EFT A/c no. name of Bank branch, MICR code/IFSC code, RTGS code in your invoice for facilitating payment through EFT.
06	Delivery	within 1 to 4 months from the date of receipt of order. Delivery schedule shall be reckoned from 10 th day from the date of order and date of receipt of materials at our stores shall be treated as the date of delivery.
07	Warranty	Warranty 18 months from the date of delivery or 12 months from the date of commissioning whichever is earlier.
08	Price Fall & L.D. Clause	Applicable as per Annexure-I
09	After Sales Service	To be provided by the firm. Any complain should be attended within 7 days of reporting and resolve within 21 days complying the norm of the company.
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.20859.00 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. Bank Guarantee for Security money should be valid for three months beyond the delivery period .
11	Fitment Guarantee	Offered items should be suitable for application in mining conditions suitable for fitment to the subject accessories/equipment/machine without modification.
12	Logo	Supplied item should have either embossing or printing indicating manufacturer's name/logo and item description. Item should be supplied with proper packing for safe storage before fitment without deterioration of insulation conditions.
13	Submission of Bills	100% value of bill duly stamped & pre-receipted Bill in six (6) 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 certificate etc as specified in the order.
14	Consignee	The Depot Officer, Sinidih Excavation Workshop, BCCL
	Paying Authority	GM (F)MM, Purchase Finance Deptt. , Bharat Coking Coal Ltd., Koyla Bhawan, Dhanbad.
	Inspection	By the Consignee at Consignee's end.
	Mode of Dispatch	By Road.
	Price certificate	The firm will certify on the body of the bills that the prices charged to BCCL are not higher than charged to any other Govt.Deptt. .PSU or CIL or its subsidiaries or others.
	Test certificate	Three copies of test certificates as per requirement shall be produced along with the supplied materials
20	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</p>

		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.
	Integrity pact	
ALL DISPUTES ARE SUBJECT TO DHANBAD COURT & JHARKHAND HIGH COURT ONLY		

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

N.B:- This issues with the concurrence of GM (F)MM vide diary no. 944/F dtd 13.06.12 and approval of GM (MM) Pur vide diary no. 3502/F dtd 13.06.12. This contract is concluded with the issuance of this order..

This order is placed against Indent No.:BCCL/Excv/SWS/Indent/R/11/08 dtd 03.06.2011, IR no. 611094(11-12) dtd 8.08.2011.

Budget certification No. & date:

BCCL/HQ/Pur. Fin./ StoreBudget/Rev Budget/12-13/HEMM Spares/SWS/13dt. 23.06.2012

For value of Rs 411959.25 and FC no. 08 dtd 23.06.2012 for Rs 411959.25

Encl: Annexure-A, Annexure-I,

Yours faithfully,

(A K Sinha)
SM (MM)

Copy to:

GM (Excv), BCCL, Koyla Bhavan

Depot Officer, Sinidih Excavation Workshop, BCCL, Dhanbad

GM (F)MM, Purchase Finance Deptt., BCCL, Koyla Bhavan

Technical Cell, MM Division, Koyla Bhavan

Master Copy/Office copy

Annexure-A**TECHNICAL SPECIFICATION OF MAIN POLE & COMPOLE COILS****CONDUCTOR FOR ALL COILS: -**

99.94% or above electrolytic grade class - H enameled copper strip/round conductor as per original size with class - H varnished as per IS specification no. - 10114.

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

INSULATION SCHEME: -**A) MAIN POLE COIL**

i) 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.

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.

The coil conductor pack 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 . HV test for ground insulation to be done at 2.0KV

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

Class of insulation --'H'

DETAILS OF COILS:-

DESCRIPTION	MAKE OF MOTOR / GEN.		APPROX WEIGHT
MAIN POLE COIL FOR 130HP DC CROWD / SWING MOTOR OF BE195B / MARION 182M SHOVEL	GE, USA	EACH COIL CONSIST OF SINGLE COIL PACK	28Kg
MAIN POLE COIL FOR 255HP DC PROPEL MOTOR OF BE195B SHOVEL	GE, USA	EACH COIL CONSIST OF SINGLE COIL PACK	40Kg
MAIN POLE COIL FOR 195HP DC PROPEL MOTOR OF MARION 182M SHOVEL	GE, USA	EACH COIL CONSIST OF SINGLE COIL PACK	35Kg
MAIN POLE COIL FOR 70HP DC CROWD MOTOR OF P&H 1900AL SHOVEL	SHINKO, JAPAN Make	EACH COIL CONSIST OF SINGLE COIL PACK	35Kg
MAIN POLE COIL FOR 112.5KW DC C / P GENERATOR OF P&H 1900AL SHOVEL	SHINKO, JAPAN Make	EACH COIL CONSIST OF TWO SHUNT COIL PACK & ONE SERIES COIL PACK	40Kg

B) COMPOLE 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. HV test for ground insulation to be done at 2.0KV

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

iv) Class of insulation--'H'.

DETAILS OF COILS:-

DESCRIPTION	MAKE OF MOTOR / GEN		APPROX WEIGHT
COM POLE COIL FOR 130HP DC CROWD / SWING MOTOR OF BE195B / MARION 182M SHOVEL	GE, USA	EACH COIL CONSIST OF SINGLE COIL PACK	9.5Kg
COMPOLE COIL FOR 255HP DC PROPEL MOTOR OF BE195B SHOVEL	GE, USA	EACH COIL CONSIST OF SINGLE COIL PACK	24Kg
COMPOLE COIL FOR 195HP DC PROPEL MOTOR OF MARION 182M SHOVEL	GE, USA	EACH COIL CONSIST OF SINGLE COIL PACK	20Kg
COMPOLE COIL FOR 70HP DC CROWD MOTOR OF P&H 1900AL SHOVEL	SHINKO, JAPAN Make	EACH COIL CONSIST OF SINGLE COIL PACK	18Kg
COMPOLE COIL FOR 112.5KW DC C / P GENERATOR OF P&H 1900AL SHOVEL	SHINKO, JAPAN Make	EACH COIL CONSIST OF TWO STAGE SINGLE COIL PACK	20Kg

TESTING OF THE COILS

i) Conductor test certificate indicating size of conductor for conductivity, enamel grade & chemical grade of copper from GOVT. APPROVED test house/ conductor manufacturer or by the OEM for each set of coils.

ii) High voltage test by the coil manufacturer for each set of coils.

iii) Inter-turn insulation / impulse test certificate and short circuit test for each set of coils

iv) Resistance / voltage drop test for each set of coils.

ALL THE TEST CERTIFICATES ARE TO BE PROVIDED ALONGWITH SUPPLY. ANY SUPPLY WITHOUT ABOVE TEST CERTIFICATES WILL BE TREATED AS NON-SUPPLY.

ANNEXURE-I

PENALTY FOR FAILURE TO SUPPLY IN TIME

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 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
- 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 supplier must confirm the acceptance of this Penalty clause, which will not be altered.

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 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.