


भारत कोकिंग कोल लिमिटेड (कोल इंडिया लिमिटेड की एक अनुषंगी इकाई) एक मिनीरत्न कंपनी पंजीकृत कार्यालय : कोयला भवन , कोयला नगर धनबाद-826005, CIN : U10101JH1972GOI000918 सामग्री प्रबंधन विभाग कमर्शियल ब्लॉक L-III , फ़ैक्स- 0326-2230183 फ़ोन नंबर-0326-2230181 ईमेल: gmmm@bcclweb.in, वेबसाइट: www.bcclweb.in		BHARAT COKING COAL LIMITED (A Subsidiary of Coal India Limited) A Mini Ratna Company Regt. Off: Koyla Bhawan , Koyla Nagar Dhanbad-826005, CIN: U10101JH1972GOI000918 Materials Management Department Commercial Block L-III (Fax No- 0326-2230183) Phone No. 0326-2230181 Email. Id: gmmm@bcclweb.in Website: www.bcclweb.in
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Supply Order

ORIGINAL BY REGD. POST.

Ref: BCCL/ PUR/116116/Bomb Calorimeter/16-17/OTE/106

Date: 23.12.17

To,

M/s Advance Research Instruments Company

C-22, DDA Shed,
 Okhla Industrial Area,
 Phase-1, New Delhi -110020

GSTIN: 07AECPC7777E1ZJ
 Vendor Type: NSIC
 PAN- AECPC7777E

Sub: Supply, Installation & commissioning of Bomb Calorimeter sets against tender no.: BCCL/PUR/116116/Bomb Calorimeter/16-17/OTE/75 dtd. 03.12.16 opened on 06.01.17.

Ref: Your online Bid no. 157147 dtd 03.01.17 against our above tender /tender id: 2016_BCCL_55297_1 and 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: Supply, Installation & Commissioning of Bomb Calorimeter.

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

Sl	Item Description of Work	Qty (in Sets)	Basic Rate (In Rs /Sets)	Total Amount (In Rs)
1	Supply, Installation & commissioning of Bomb Calorimeters along with all accessories.[Model No.IP-3] (Detailed Technical specification as per Annexure-A)	1	8,50,000.00	8,50,000.00
	GST @ 18 % (IGST)			1,53,000.00
	Total Value of F.O.R Basis			10,03,000.00

2. TOTAL ORDER VALUE: The total order value will be Rs. **10,03,000.00** on F.O.R. Destination basis.

- 3. GST:** (a) GST shall be paid extra as legally applicable during the scheduled delivery period. Present rate of GST is 18 % [IGST].
 (b) The invoice shall be raised by you giving all the details as per GST Act/ Rules so as to enable BCCL to avail Input Tax Credit.
 (c) You have to ensure proper uploading in your return so that BCCL may be able to avail Input Tax Credit.

[Handwritten signature]

[Handwritten signature]

- (d) You have to ensure that if BCCL does not be able to avail Input Credit due to your fault then the loss amount to be recovered from you.
- (e) The benefit of any extra input tax credit earned by you, if any, in future shall be passed on to BCCL.
- (f) E-Way bill, if required, shall be arranged by you
- (g) HSN codes and GST rates of the items covered in the above supply order placed will be as under:

Sl no.	Item	HSN code	GST rate
1	Bomb Calorimeter	90278020	18 % [18% IGST].

(h) Your GST details are as under:

SN	Particulars	Firm's Details
1	Name	M/s Advance Research Instruments Co
2	Constitution of Business	Proprietary
3	Trade Type (Manufacturer/Dealer/Service Provider)	Manufacturer
4	PAN	AACCI1682D
5	Contact number	011-41320190 / 41324630
6	Whether migrated to GST (Yes/No)	Yes
7	Provisional/Permanent ID provided under GST	07AECPC7777E1ZJ

4. Packing & Forwarding Charges: Nil

5. Freight & Insurance Charges: Nil

6. Commissioning & Installation Charges: Nil

7. Mode of Dispatch: By Road on F.O.R. Destination, Freight paid basis.

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

8. Delivery Period: To be completed within 08-10 weeks from the date of receipt of purchase order. However, keeping in view of our extreme urgency, you will put all efforts for earliest efforts.

Delivery schedule shall be reckoned from the 10th day from the date of order and the date of receipt of materials at our stores shall be treated as the date of delivery

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

9. Consignee & Paying Authority: Consignee & Paying Authority for this

Order will be as under:

Consignee	Paying Authority
Depot Officer The Regional Store, E. J. Area, B.C.C.L.	HOD(F) (MM), Purchase Finance , Koyla Bhawan , B.C.C.L. , Dhanbad

10. Payment Term: 80% of the value of the equipment and accessories and 100% taxes and other charges shall be made after receipt and acceptance of material at site by the consignee within 21 days.

Balance 20% payment shall be made after successful completion of erection, testing, commissioning and final acceptance of the equipment (along with the accessories) upon presentation of the certificates from the Project Officer/GM(E&M) to the effect that the equipment has been erected and commissioned to their entire satisfaction. However, if the equipment is not put to use by the project within 60 days from the date of receipt and acceptance at the Consignee's end, the balance 20% shall be released.

11. Submission of Bill: 100% value of bill duly stamped, signed & pre-receipted in quadruplicate, as per terms of the order should be submitted for payment to the paying authority through consignee.

Bill should be submitted along with challan, Consignment note (if required) , packing list if any, guarantee/warranty certificate, fitment / Test certificate if required , proof of payment of freight charges if freight is claimed , documentary evidence of taxes payment if claimed, Price Certificate and other documents as per order .

(Note – All documents to be submitted shall be duly authenticated)

No payment will be made without submission of performance Bank Guarantee & security deposit, if covered in order.

12. Guarantee /Warranty: 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 within 07 days from the date of receipt of report and replace the materials within 21 days free of cost.

13. 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 "

14. Security Deposit – Exempted being registered with NSIC valid upto 14.07.19 for monetary limit of Rs 70.00 Lakh.

15. Performance Bank Guarantee: PBG on schedule/Nationalized Bank (as per enclosed format at Appendix-I) in India valid for three months beyond the expiry of Guarantee/Warranty period for 10 % value of the order (order value means FOR destination price including taxes, duties, transportation & insurance charges & other charges if any) shall have to be submitted to MM Division, BCCL, Koyla Bhawan on or before commencement of supply. PBG may be submitted either for the entire order quantity at a time or each equipment wise/lot wise.

The Performance Bank guarantee (as per enclosed format at Appendix-I) 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 are furnished below:



Name of Bank	State Bank of India		Name of Bank	ICICI Bank
Branch name	Main Branch Dhanbad		Branch name	ICICI Bank, Dhanbad
A/C no.	35160317947	OR	A/C no.	019605001057
IFSC Code	SBIN0000066		IFSC Code	ICIC0000196

16. Inspection – Final inspection shall be carried out at the consignee end after receipt of materials by the GM (QC) , BCCL or their authorized representative .

17. 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.

18. 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.

All other remaining commercial terms & conditions and technical specifications along with scope of supply will strictly be as per our notice inviting tender and as confirmed in techno-commercially acceptable offer of bidder & as per company 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.

INDENT & BUDGET CERTIFICATION REFERENCE


SN	Indent no. and Date	e. BC & e. FC Ref.
1	<u>Indent No:</u> NIL dated 26.07.16 IR No. 116116 dated 18.10.16	BC no. BCCL/C&B/CAP/Reg PN-193/SN-114/eBC No 70 dated 30.06.17 (Cap 17-18) Head: P&M (Others) New Job, for amount of Rs. 10,03,000.00 e.F.C.No.246 dtd 19.12.17 of Rs. 10,03,000.00

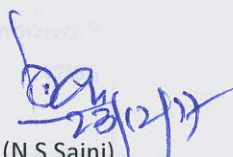
Enclosure: 1. Technical Specification (Annexure-"A").

2. Format for Performance Bank Guarantee (Appendix-I).

Yours faithfully,

For & on behalf of Bharat Coking Coal Ltd.


(Alok Kumar)
Dy Mgr (MM)


(N S Saini)
GM(MM)

(This has got the concurrence and approval of competent authority)

Copy to:

1. Depot Officer, Regional Store, E. J. Area, BCCL
2. GM, E. J. Area, BCCL
3. HOD(F) MM, MM DIV, Koyla Bhawan.
4. GM (QC), Koyla Bhawan
5. MM (Tech Cell), MM Div, Koyla Bhawan.
6. Master File/Office Copy.
7. GM (MM), CCL / NCL / WCL/ SECL / MCL / ECL

ANNEXURE-A**(A) SCHEDULE OF REQUIREMENT:**

Sl No	ITEM DESCRIPTION	Quantity (Sets)
1	Supply, Installation & commissioning of Bomb Calorimeter along with all accessories [Model No.IP-3]	1

(B) Technical Specifications & Other Parameters:

1. SCOPE OF SUPPLY		
Sl.No.	Technical Parameter	Technical Specifications
1.1	Equipment Description	Fully automatic Microprocessor controlled Bomb Calorimeter for rapid determination of gross calorific value of crushed/powered samples of coal/coke as per Indian/International standards. The equipment should be compact, integrated and bench-top model. The value of gross CV should be reportable in Kcal/Kg, properly interfaced printer with LCD display of the final results on the screen of the instrument, fast hard copy printing facility and adequate memory storage facility (Approx. 500 tests). The equipment should be easy to operate.
1.2	Supplementary Items	The equipment should be provided with all necessary accessories required for installation, commissioning, maintenance and repair of all components. Brochure containing detailed technical information in respect of equipment, operation and service manual with flow diagram and relevant instructions for instrument and each of its component making up the total system configuration i.e. Bomb calorimeter, Microprocessor, Balance, Printer and peripherals to be provided.
1.3	Provision for spare parts	A comprehensive package of spare parts consisting of electrical, electronic and mechanical spares sufficient for at least one year and consumables for at least 5000 determinations to be provided.
1.4	Training	The supplier should provide training on operation and maintenance of the equipment, on hardware and software, data processing etc to the laboratory personnel at the destination site of installation for a period of minimum one week deputing their experts free of cost.
1.5	Supervision and Annual Maintenance	Being sophisticated equipment, the supplier should provide the services of specialist Engineer/Technician, skilled and experienced in installation, commissioning and maintenance of the equipment and accessories supplied. After the expiry of the warranty period, "After sales service" to be ensured by the supplier.




2. TECHNICAL SPECIFICATION :-

2.1(a)	Basic Unit	Body of the basic unit should be made of durable, light metal/alloy with suitable finish.
2.1(b)	Bomb	Thick walled acid resistant having internal volume 250 to 350 ml made of high strength with proper insulation arrangement and capable of withstanding high pressure and fit for safety burning samples liberating up to 9,000 K Cal per charge with oxygen pressure up to 40 atm. for 1 gm of sample size.
2.2	Method	Isoperibol
2.3	Sample crucible capacity	0.5 gm – 1.5 gm
2.4	Balance	Built-in/interfaced, Top loading electronic balance with LCD display and auto-calibration facilities. Required weight range: - 0.1 gm – 100 gm(Max.) Resolution: - 0.0001 gm(Minimum) Accuracy: - ± 0.0001 gm(Minimum)
2.5	Temperature Measurement	Temperature to be measured with in-built high precision electronic thermometer with 0.0001C resolution.
Sl.No.	Technical Parameter	Technical Specifications
2.6	Calorimeter Measurement Range	1000 K.Cal/Kg to 9,000 K.Cal/Kg for 1 gm of sample.
2.7	Measurement Precision	0.1% RSD
2.8	Equipment Resolution	0.1 Cal/gm
2.9	Corrections	Operator selected option for correcting for Acid, Nitrogen, Fuse wire, Sulphur, Moisture, Ash and Hydrogen.
2.10	Processing Capacity (Operator Time)	10 Minutes to 20 Minutes
2.11	Gas filling arrangement	Suitable gas filling arrangements with regulator and gauges for line/vessel pressure and all necessary attachments.
2.12	Printer	Either built-in or suitably interfaced with the basic unit with LCD display and real time print out facilities. Adequate data storage facility and key board controlled printing facilities.

A.P.B.

G.A.

2.13	Electronics	All solid state, 230 V AC, 50/60 Hz.
2.14	Micro Processor	Built-in operational programme to perform all calculations and control heating rate, temperature and also for entering instructions/options through key board.
2.15	Calibration Standard for measurement	Reference standard materials(RSM) to be provided for calibration check. Calibration certificate for the same should be supplied with the standards. Calibration certificate for balance, gauges and temperature measurement devices should be provided separately.
2.16	Power requirement	230 V AC \pm 10%, 50/60 Hz. Single phase as per Indian conditions.
2.17	Back Up Facility	Uninterrupted power supply (off line) of suitable KVA rating commensurate with power requirement of the total system with back up capacity of one hour. CVT of suitable rating should be capable of providing required power supply for input power of 150 to 270 Volts at 50 Hz.
2.18	Guarantee-Warranty	The tenderer shall be fully responsible for the manufacturing warranty in respect of proper design, quality, workmanship of material for which these are indented for a period of eighteen months from the date of installation and commissioning.
2.19	Manufacturing Year	Latest Model or Manufactured in 2014 but not earlier than 2014.



APPENDIX -I**FORMAT OF PERFORMANCE BANK GUARANTEE**

1. Messers ----- a company having Regd. Office /its office at -----
 -----hereinafter called the Seller has entered into a Contract No.-----
 -----dt.----- (hereinafter called the said Contract) with Bharat Coking Coal Limited having its
 Regd. Office (address to be given.....) (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,----- (Name of the Bank) 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,----- (Name of the Bank) 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 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-----period of contract + 90 days from the date of Bank
 Guarantee) we shall be discharged from all liability under this guarantee thereafter.

4. We, (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 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 relieved 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 ,----- (Name of the Bank) 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.

[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 Civil courts 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 platform are furnished below:

Name of Bank	State Bank of India
Branch name	Main Branch Dhanbad
A/C no.	35160317947
IFSC Code	SBIN0000066
Date-----	Day of -----20
For -----	Bank

OR

Name of Bank	ICICI Bank
Branch name	ICICI Bank, Dhanbad
A/C no.	019605001057
IFSC Code	ICIC0000196

Signature of the authorised person
 for and on behalf of the Bank
 Emp. Code.

Handwritten signature

Handwritten signature