


<b>भारत कोकिंग कोल लिमिटेड</b> ( 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		<b>BHARAT COKING COAL LIMITED</b> ( 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/PURCHASE ORDER

Ref.No. BCCL/PUR/216122/CTPT/17-18/176

ORIGINAL BY REGD. POST/BY E-MAIL

Date: 31.03.2018

To,

✓ **M/s SHREE ELECTRO CONTROLS PRIVATE LIMITED**

S.No. 119, Plot No. 43,  
 Ramtekadi Industrial Estate,  
 Pune, MAHARASTRA- 411 013  
 Mobile: 9431314068  
 Email: [shreeelectrocontrols@yahoo.com](mailto:shreeelectrocontrols@yahoo.com) / [info@shreeelectrocontrols.com](mailto:info@shreeelectrocontrols.com)

GSTIN No.: 27AAACF7753J1ZC

PAN: AAACF7753J

Vendor Category: NSIC

**Sub: Supply of Current Transformer & Potential Transformer.**

**Ref:** 1. Our Tender no: BCCL/PUR/216122/CTPT/17-18/23 dtd 16.08.17 opened on 11.09.17 [Tender Id: 2017\_BCCL\_74940\_1].

2. Your online Bid no. 215603 dated 06.09.17 & subsequent correspondence on the above subject.

Dear Sir,

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: Current Transformer & Potential Transformer**

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

Sl No.	Tender SI No.	Item Description	Qt (nos)	Unit Basic Rate (Rs)	Packing and forwarding charge	Transit Insurance	Freight charge	Unit Value	Total Value (In Rs)
			A	B	C	D	E	F= B+C+D+E	G=Fx A
1	2	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio: 800/1-1-1A	03	24,000.00	400.00	100.00	1500.00	26,000.00	78,000.00
2	3	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio: 600/1-1-1A	03	23,000.00	400.00	100.00	1500.00	25,000.00	75,000.00




3	4	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio:400-200/1-1A	03	23,000.00	400.00	100.00	1500.00	25,000.00	75,000.00
4	5	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio:200-100/1-1A	03	22,500.00	400.00	100.00	1500.00	24,500.00	73,500.00
5	6	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio:250/1-1-1A	03	26,000.00	400.00	100.00	1500.00	28,000.00	84,000.00
6	7	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio:400-200/1-1-1A	06	27,000.00	400.00	100.00	1500.00	29,000.00	1,74,000.00
7	8	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio:200-100/1-1-1A	12	27,680.00	400.00	100.00	1500.00	29,680.00	3,56,160.00
8	9	Potential Transformer, 33KV, 1 Ph Outdoor, Oil filled PT, Ratio:33KV/v3/110V/v3	09	19,200.00	400.00	100.00	1500.00	21,200.00	1,90,800.00
Total									11,06,460.00
GST @ 18 % [IGST]									1,99,162.80
Total Landed Rate on FOR destination Basis									13,05,622.80
Total Landed Rate on FOR destination Basis (rounded off)									13,05,623.00

[Detailed technical specifications will be as per Annexure-A]

**2. TOTAL ORDER VALUE:** The total material value will be Rs 13,05,623.00/- (Rupees Thirteen Lakh Five Thousand Six Hundred Twenty Three only) on F.O.R. Destination basis.

### 3. GST:

- GST shall be paid extra as legally applicable during the scheduled delivery period. Presently applicable GST rate is 18% as above.
- 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.
- You have to ensure proper uploading in your return so that BCCL may be able to avail Input Tax Credit.
- 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.
- The benefit of any extra input tax credit earned by you, if any, in future shall be passed on to BCCL.
- 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	Current & Potential Transformers	8504	18% [18% IGST]

- h) Your GST details are as under:

SN	Particulars	Firm's Details
1	Name	M/s SHREE ELECTROCONTROLS PRIVATE LIMITED
2	Constitution of Business	Company
3	Trade Type (Manufacturer/Dealer/Service Provider)	Manufacturer
4	PAN	AAACF7753J
6	Provisional/Permanent ID provided under GST	27AAACF7753J1ZC

**4. Input Tax Credit:** BCCL is entitled to avail Input tax credit of above GST amount and it will be availed on the submitting of all the necessary documents required as GST act.

**5. Freight & Insurance Charges:** As above.

**6. 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.

**7. Road Permit:** if required it will be arranged by you.

**8. Delivery Period:** Within 3 months.

Delivery period will be reckoned from 10<sup>th</sup> day from the date of placement of order and the date of receipt of materials at our stores shall be treated as the date of delivery. However, keeping in view of our extreme urgency, earliest delivery will be highly appreciated.

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

**9. a) Consignee & Paying Authority:** Consignee & Paying Authority for this

Order will be as under:

Consignee	Paying Authority
Depot Officer Central Store, Ekra, B.C.C.L.	HOD( F ) (MM), Purchase Finance , Koyla Bhawan , B.C.C.L. , Dhanbad

**b) Allocation:** Area wise allocation of above ordered quantity as per respective indents will be as under:

Sl No	Tendered Sl No	Item Description	Qty for PB Area	Qty for Lodhna Area	Qty for WJ Area	Qty for Power Services, HQ	Total
1	2	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio: 800/1-1-1A	NIL	3	NIL	NIL	3
2	3	Current Transformer, 33KV, 1 Ph Outdoor, Oil filled CT, Ratio: 600/1-1-1A	NIL	3	NIL	NIL	3

3	4	Current Transformer, 33KV,1 Ph Outdoor, Oil filled CT, Ratio:400-200/1-1A	3	NIL	NIL	NIL	3
4	5	Current Transformer, 33KV,1 Ph Outdoor, Oil filled CT, Ratio:200-100/1-1A	3	NIL	NIL	NIL	3
5	6	Current Transformer, 33KV,1 Ph Outdoor, Oil filled CT, Ratio:250/1-1-1A	3	NIL	NIL	NIL	3
6	7	Current Transformer, 33KV,1 Ph Outdoor, Oil filled CT, Ratio:400-200/1-1-1A	NIL	3	3	NIL	6
7	8	Current Transformer, 33KV,1 Ph Outdoor, Oil filled CT, Ratio:200-100/1-1-1A	NIL	NIL	NIL	12	12
8	9	Potential Transformer, 33KV,1 Ph Outdoor, Oil filled PT, Ratio:33KV/v3/110V/v3	3	3	NIL	3	9

**10. Payment Term:** 100% within 21 days from the date of receipt and acceptance of the material at site or within 21 days from the date of receipt of suppliers' bills at consignee end, whichever is later.

**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 receipted delivery challan in original, Consignee note (if any), packing list if any, Guarantee/ Warranty certificate, Copy of valid BIS licence, Test Report as per relevant IS, Price Certificate, Copy of Inspection Note and money receipt of CMPDIL, documentary evidence of taxes payment if claimed and other relevant documents, as per order should be submitted to the Consignee for payment through Paying Authority (*Note – All documents to be submitted shall be duly authenticated*).

**NB:** all documents to be submitted shall be authenticated. No payment will be made without submission of performance Bank Guarantee & security deposit, if covered in order.

**12. Guarantee /Warranty:** Materials supplied should be guaranteed for a period of 12(twelve) months from the date of installation and commissioning 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 30 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:** You are required to deposit 10 % of value of the order (order value means FOR destination price including taxes, duties, transportation & insurance charges & other charges if any) as security money in the form of Bank Draft /Bank Guarantee within 15 days from the date of order.

In case of SD in the form of BG, The Bank guarantee (as per enclosed format at Appendix-I) issued by the Bank on your behalf 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	A/C no.	019605001057
IFSC Code	SBIN0000066	IFSC Code	ICIC0000196

OR

The validity of B.G. will be for a period of three months beyond the expiry of delivery period. If you fail to deposit the security deposit within 15(fifteen) days from the date of order, the same shall be recorded as unsatisfactory performance for future dealings apart from taking any other penal action as may be deemed fit by BCCL. 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.

**15. PERFORMANCE BANK GUARANTEE:** PBG on schedule/Nationalized Bank (as per enclosed format at Appendix-II) 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 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-II) 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	A/C no.	019605001057
IFSC Code	SBIN0000066	IFSC Code	ICIC0000196

OR

The Performance Bank Guarantee shall be released after fulfillment of all contractual obligations including warranty /guarantee conditions stipulated in the contract. For unsatisfactory performance and/or contractual failure, BCCL shall have the full right to invoke/en-cash the Performance Bank Guarantee.

**16. Inspection:** Final inspection shall be carried out at the consignee end after receipt of materials by the GM (E&M)/I/C, BCCL or their authorized representative.

**17. Transit Insurance:** Shall be arranged and covered by you for safe arrival of materials to the consignee end at your cost and risk.

**18. 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 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 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.

### **19. 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 your techno-commercially acceptable offer & 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.

Encl:-1. Annexure-"A" (Technical Specifications & Parameters)

2. Appendix-I (SD Format)

3. Appendix-II (PBG Format)





**INDENT & BUDGET CERTIFICATION REFERENCE**

Indent no. and Date	e. BC & e. FC Ref.
GM(E&M)'s indent no. BCCL/GM(E&M)/I/C/F-Central Indent(Elect)/2016-17/CT-PT/4 dtd 24.08 against following Area Indents: <b>1.</b> PB Area Indent No. PBA/AM(E&M)/15-46/30 & 31 dtd 24.11.15, <b>2.</b> Lodna Area Indent No. nil dtd 18.06.16 <b>3.</b> WJ Area Indent No. MND/IND/P&M/15-16/11 dtd 20.10.15 & <b>4.</b> Power Services Indent No. NIL dtd 19.08.16. <b>IR No. 216122 dtd 29.10.16</b>	<b>BC no.</b> BCCL/C&B/CAP/Reg PN-12/SN-15/eBC No 544 dated 15.03.18 (Cap 17-18) Head: P&M (Others) New Job , for amount of Rs. 13,05,623.00 <b>e.F.C.No.377</b> dtd 30.03.18 of Rs. 13,05,623.00

Yours faithfully,

For &amp; on behalf of Bharat Coking Coal Ltd.

  
 (Alok Kumar)  
 DM (MM)

  
 (N S Saini)  
 GM(MM)

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

## Copy to:

1. Depot Officer, Central Store, Ekra, BCCL
2. HOD(F)(MM), MM DIV, Koyla Bhawan.
3. GM/AM(E&M) , Barora , Sijua, Katras Area ,BCCL
4. GM(E&M)/I/C, E&M Deptt, Koyla Bhawan
5. MM(Tech Cell), MM Div, Koyla Bhawan.
6. Master File/Office Copy.
7. GM(MM) CCL/NCL/WCL/SECL/ECL
8. Prof (Dr) L.C. Singhi, IAS (Retd) ,Address: L-31 Third Floor Kailash Colony, New Delhi-110048
9. Shri Pramod Deepak Sudhakar, IAS (Retd.) ,Address: A-002, Stellar Park Apartments, C-58/24 Sector-62, Noida (UP)- 201 301

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

Sl no	Tender ed Sl no	Item Description	Quantity (In Nos.)
1	2	Current Transformer, 33KV,1 Ph, Outdoor, Oil filled CT, Ratio:800/1-1-1A	3
2	3	Current Transformer, 33KV,1 Ph, Outdoor, Oil filled CT, Ratio:600/1-1-1A	3
3	4	Current Transformer, 33KV,1 Ph, Outdoor, Oil filled CT, Ratio:400-200/1-1A	3
4	5	Current Transformer, 33KV,1 Ph, Outdoor, Oil filled CT, Ratio:200-100/1-1A	3
5	6	Current Transformer, 33KV,1 Ph, Outdoor, Oil filled CT, Ratio:250/1-1-1A	3
6	7	Current Transformer, 33KV,1 Ph, Outdoor, Oil filled CT, Ratio:400-200/1-1-1A	6
7	8	Current Transformer, 33KV,1 Ph, Outdoor, Oil filled CT, Ratio:200-100/1-1-1A	12
8	9	Potential Transformer, 33KV,1 Ph, Outdoor, Oil filled PT, Ratio:33KV/v3/110V/v3	9

**(B) Technical Specifications & Other Parameters:****For Item Sl No.2-** 33KV Current Transformer, CTR-800-400 /1-1 A

33 KV grade, mineral oil filled, single phase, current transformer to be used for measurement and protection of power supply system, it should confirm to BIS – 2705 of 1992(Reaffirmed 2007) (latest amended if any) and also to following technical parameters:

- 1) Rated voltage – KV – 33
- 2) Highest system voltage – KV – 36
- 3) Phase - single
- 4) Frequency -50 Hz
- 5) Insulation level i) One minute power frequency – 70KV(rms)
- (ii) Impulse Voltage-170KVp
- 6) Ratio - 800 -400 / 1-1 A
- 7) Rated output (VA) - 30-30
- 8) Class of accuracy – Measuring – 0.2 - Protection - 5P10
- 9) Short time current for 3 sec – 20KA rms
- 10) Application - Outdoor
- 11) System - Effectively earthed
- 12) Maximum ambient temperature – 50 deg C
- 13) Atmosphere – Heavily polluted
- 14) Current transformer – Suitable for mounting on structure

**15) Following ACCESSORIES shall be provided with CT:**

- (i) Primary terminal lock nut
- (ii) Oil level indicator
- (iii) Primary ratio changeover link with nuts
- (iv) Oil filling plugs
- (v) Oil drain Plugs
- (vi) Rating Plate
- (vii) Arcing Horn
- (viii). Connector to suit Conductor/IPS of 65mm OD and the CT shall be tested as per BIS
- (ix) Secondary terminal box
- (x) Lifting lugs






(xi) Cable gland on LT side

Following documents shall be submitted at the time of delivery of material: Notorized copy of routine test report for CTs as per relevant IS shall be submitted at the time of supply of material.

**For Item SI No.3-** 33KV Current Transformer, CTR-600-300/1-1 A

33 KV grade , mineral oil filled , single phase , current transformer to be used for measurement and protection of power supply system , it should confirm to BIS – 2705 of 1992(Reaffirmed 2007) ( latest amended if any ) and also to following technical parameters:

- 1) Rated voltage – KV – 33
- 2) Highest system voltage – KV – 36
- 3) Phase - single
- 4) Frequency -50 Hz
- 5) Insulation level i) One minute power frequency – 70KV(rms)  
(ii) Impulse Voltage-170KVp
- 6) Ratio - 600-300 / 1-1A
- 7) Rated output (VA) - 30-30
- 8) Class of accuracy – Measuring – 0.2 - Protection - 5P10
- 9) Short time current for 3 sec – 20KA
- 10) Application - Outdoor
- 11) System - Effectively earthed
- 12) Maximum ambient temperature – 50 deg C
- 13) Atmosphere – Heavily polluted
- 14) Current transformer – Suitable for mounting on structure
- 15) Following ACCESSORIES shall be provided with CT:
  - (i) Primary terminal lock nut
  - (ii). Oil level indicator
  - (iii) Primary ratio changeover link with nuts
  - (iv) Oil filling plugs
  - (v) Oil drain Plugs
  - (vi) Rating Plate
  - (vii) Arcing Horn
  - (viii). Connector to suit Conductor/IPS of 65mm OD and the CT shall be tested as per BIS
  - (ix) Secondary terminal box
  - (x) Lifting lugs
  - (xi) Cable gland on LT side

Following documents shall be submitted at the time of delivery of material: Notorized copy of routine test report for CTs as per relevant IS shall be submitted at the time of supply of material.

**For Item SI No.4-** 33KV Current Transformer , CTR-400-200/1-1 A

33 KV grade, mineral oil filled, single phase, current transformer to be used for measurement and protection of power supply system, it should confirm to BIS – 2705 of 1992(Reaffirmed 2007) (latest amended if any) and also to following technical parameters:

- 1) Rated voltage – KV – 33
- 2) Highest system voltage – KV – 36
- 3) Phase - single
- 4) Frequency -50 Hz
- 5) Insulation level i) One minute power frequency – 70KV(rms)  
(ii) Impulse Voltage-170KVp
- 6) Ratio - 400-200/1-1 A
- 7) Rated output (VA) - 30-30
- 8) Class of accuracy – Measuring – 0.2 - Protection - 5P10

- 9) Short time current for 3 sec – 20KA
- 10) Application - Outdoor
- 11) System - Effectively earthed
- 12) Maximum ambient temperature – 50 deg C
- 13) Atmosphere – Heavily polluted
- 14) Current transformer – Suitable for mounting on structure
- 15) Following ACCESSORIES shall be provided with CT:

- (i) Primary terminal lock nut
- (ii). Oil level indicator
- (iii) Primary ratio changeover link with nuts
- (iv) Oil filling plugs
- (v) Oil drain Plugs
- (vi) Rating Plate
- (vii) Arcing Horn
- (viii). Connector to suit Conductor/IPS of 65mm OD and the CT shall be tested as per BIS
- (ix) Secondary terminal box
- (x) Lifting lugs
- (xi) Cable gland on LT side

Following documents shall be submitted at the time of delivery of material: Notorized copy of routine test report for CTs as per relevant IS shall be submitted at the time of supply of material.

**For Item SI No.5**-33KV Current Transformer , CTR-200-100/1-1 A

33 KV grade , mineral oil filled , single phase , current transformer to be used for measurement and protection of power supply system , it should confirm to BIS – 2705 of 1992(Reaffirmed 2007) ( latest amended if any ) and also to following technical parameters:

- 1) Rated voltage – KV – 33
- 2) Highest system voltage – KV – 36
- 3) Phase - single
- 4) Frequency -50 Hz
- 5) Insulation level i) One minute power frequency – 70KV(rms)
- (ii) Impulse Voltage-170KVp
- 6) Ratio - 200-100/1-1 A
- 7) Rated output (VA) - 15-15
- 8) Class of accuracy – Measuring – 0.2 - Protection - 5P10
- 9) Short time current for 3 sec – 20KA
- 10) Application - Outdoor
- 11) System - Effectively earthed
- 12) Maximum ambient temperature – 50 deg C
- 13) Atmosphere – Heavily polluted
- 14) Current transformer – Suitable for mounting on structure
- 15) Following ACCESSORIES shall be provided with CT:
- (i) Primary terminal lock nut
- (ii). Oil level indicator
- (iii) Primary ratio changeover link with nuts
- (iv) Oil filling plugs
- (v) Oil drain Plugs
- (vi) Rating Plate
- (vii) Arcing Horn
- (viii). Connector to suit Conductor/IPS of 65mm OD and the CT shall be tested as per BIS
- (ix) Secondary terminal box
- (x) Lifting lugs
- (xi) Cable gland on LT side

Following documents shall be submitted at the time of delivery of material: Notorized copy of routine test






report for CTs as per relevant IS shall be submitted at the time of supply of material.

**For Item SI No.6-** 33KV Current Transformer , CTR-250/1-1-1 A

33 KV grade , mineral oil filled , single phase , current transformer to be used for measurement and protection of power supply system , it should confirm to BIS – 2705 of 1992(Reaffirmed 2007) ( latest amended if any ) and also to following technical parameters:

- 1) Rated voltage – KV – 33
- 2) Highest system voltage – KV – 36
- 3) Phase - single
- 4) Frequency -50 Hz
- 5) Insulation level i) One minute power frequency – 70KV(rms)  
(ii) Impulse Voltage-170KVp
- 6) Ratio - 250/1-1-1 A
- 7) Rated output (VA) - 30-30-30
- 8) Class of accuracy – Measuring – 0.2 - Protection - 5P10 - Differential - PS
- 9) Short time current for 3 sec – 20KA
- 10) Application - Outdoor
- 11) System - Effectively earthed
- 12) Maximum ambient temperature – 50 deg C
- 13) Atmosphere – Heavily polluted
- 14) Current transformer – Suitable for mounting on structure

**15) Following ACCESSORIES shall be provided with CT:**

- (i) Primary terminal lock nut
- (ii). Oil level indicator
- (iii) Primary ratio changeover link with nuts
- (iv) Oil filling plugs
- (v) Oil drain Plugs
- (vi) Rating Plate
- (vii) Arcing Horn
- (viii). Connector to suit Conductor/IPS of 65mm OD and the CT shall be tested as per BIS
- (ix) Secondary terminal box
- (x) Lifting lugs
- (xi) Cable gland on LT side

**Following documents shall be submitted at the time of delivery of material:**

Notorized copy of routine test report for CTs as per relevant IS shall be submitted at the time of supply of material.

**For Item SI No.7-**33KV Current Transformer , CTR-400-200/1-1-1 A

33 KV grade , mineral oil filled , single phase , current transformer to be used for measurement and protection of power supply system , it should confirm to BIS – 2705 of 1992(Reaffirmed 2007) (latest amended if any ) and also to following technical parameters:

- 1) Rated voltage – KV– 33
- 2) Highest system voltage – KV – 36
- 3) Phase - single
- 4) Frequency -50 Hz
- 5) Insulation level i) One minute power frequency – 70KV(rms)  
(ii) Impulse Voltage-170KVp
- 6) Ratio - 400-200/1-1-1 A
- 7) Rated output (VA) - 30-30-30
- 8) Class of accuracy – Measuring – 0.2 - Protection - 5P10 - Differential - PS

- 9) Short time current for 3 sec – 20KA
- 10) Application - Outdoor
- 11) System - Effectively earthed
- 12) Maximum ambient temperature – 50 deg C
- 13) Atmosphere – Heavily polluted
- 14) Current transformer – Suitable for mounting on structure

**15) Following ACCESSORIES shall be provided with CT:**

- (i) Primary terminal lock nut
- (ii). Oil level indicator
- (iii) Primary ratio changeover link with nuts
- (iv) Oil filling plugs
- (v) Oil drain Plugs
- (vi) Rating Plate
- (vii) Arcing Horn
- (viii). Connector to suit Conductor/IPS of 65mm OD and the CT shall be tested as per BIS
- (ix) Secondary terminal box
- (x) Lifting lugs
- (xi) Cable gland on LT side

**Following documents shall be submitted at the time of delivery of material:**

Notorized copy of routine test report for CTs as per relevant IS shall be submitted at the time of supply of material.

**For Item SI No.8-** 33KV Current Transformer , CTR-200-100/1-1-1 A

33 KV grade , mineral oil filled , single phase , current transformer to be used for measurement and protection of power supply system , it should confirm to BIS – 2705 of 1992(Reaffirmed 2007) ( latest amended if any ) and also to following technical parameters:

- 1) Rated voltage – KV – 33
  - 2) Highest system voltage – KV – 36
  - 3) Phase - single
  - 4) Frequency -50 Hz
  - 5) Insulation level i) One minute power frequency – 70KV(rms)
  - (ii) Impulse Voltage-170KVp
  - 6) Ratio - 200-100/1-1-1 A
  - 7) Rated output (VA) - 15-15-15
  - 8) Class of accuracy – Measuring – 0.2 - Protection - 5P10 - Differential - PS
  - 9) Short time current for 3 sec – 20KA
  - 10) Application - Outdoor
  - 11) System - Effectively earthed
  - 12) Maximum ambient temperature – 50 deg C
  - 13) Atmosphere – Heavily polluted
  - 14) Current transformer – Suitable for mounting on structure
  - 15) Following ACCESSORIES shall be provided with CT:
- (i) Primary terminal lock nut
  - (ii). Oil level indicator
  - (iii) Primary ratio changeover link with nuts
  - (iv) Oil filling plugs
  - (v) Oil drain Plugs
  - (vi) Rating Plate
  - (vii) Arcing Horn
  - (viii). Connector to suit Conductor/IPS of 65mm OD and the CT shall be tested as per BIS
  - (ix) Secondary terminal box
  - (x) Lifting lugs
  - (xi) Cable gland on LT side



Following documents shall be submitted at the time of delivery of material: Notorized copy of routine test report for CTs as per relevant IS shall be submitted at the time of supply of material.

**For Item SI No.9-** 33 KV Potential Transformer

33 KV grade , mineral oil filled , single phase , Potential transformer to be used for measurement and protection of power supply system , it should confirm to BIS – 3156:1992(Reaffirmed 2007) (latest amended if any ) and also to following technical parameters :

- 1) Rated voltage – KV – 33
- 2) Highest system voltage – KV – 36
- 3) Phase - single
- 4) Frequency-50Hz
- 5) Insulation level i) One minute power frequency – 70KV(rms)  
(ii) Impulse Voltage-170KVp
- 6) Ratio - 33 /  $\sqrt{3}$  KV / 110 /  $\sqrt{3}$  V
- 7) Rated Burden - 200/100
- 8) Class of accuracy – 1/3P
- 9) Connection-Star open Delta
- 10) Application - Outdoor
- 11) System - Effectively earthed
- 12) Maximum ambient temperature – 50 deg C
- 13) Atmosphere – Heavily polluted
- 14) Potential transformer – Suitable for mounting on structure Pedestal
- 15) Voltage Factor-1.2 Continuous
- 16) Following ACCESSORIES shall be provided with PT:
  - (i) Primary terminal lock nut
  - (ii). Oil level indicator
  - (iii) Pressure Release Device
  - (iv) Oil filling plugs
  - (v) Oil drain Plugs
  - (vi) Rating Plate
  - (vii) Arcing Horn
  - (viii). Connector to suit Conductor/IPS of 65mm OD and the PT shall be tested as per BIS
  - (ix) Secondary terminal box
  - (x) Lifting lugs
  - (xi) Cable gland on LT side

**Following documents shall be submitted at the time of delivery of material:**

Notorized copy of routine test report for PTs as per relevant IS shall be submitted at the time of supply of material.

**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 are furnished below:

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

OR

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

Dated ..... day of .....  
 For ..... Bank

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



**APPENDIX -II**  
**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 the  
 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 relived 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

OR

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

Dated ..... day of .....  
 For ..... Bank

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