

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/PURCHASE ORDER

ORIGINAL BY REGD. POST/BY E-MAIL

Ref. No.: BCCL/PUR/117195/High Mast LT/OTE/18-19/182

Date: 30.03.2019

To,

M/s Arsh Electronics Pvt. Ltd.

224 Surya Niketan, Vikas Marg Extn
 Delhi- 110092,
 Mobile: 9313478326

Vendor Category: NSIC

Email: arsh_electronics@arshgpi.com

GSTIN No.: 07AAACA0759P1ZF

PAN: AAACA0759P

Sub: Supply of High Mast Lighting Towers.

Ref: 1. Our Tender no: BCCL/PUR/117195/High Mast LT/17-18/OTE/109 dated 17.03.18 opened on 11.04.18 [Tender Id: 2018_BCCL_98144_1].

2. Your online Bid no. 289375 dated 03.04.18 & 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: High Mast Lighting Towers

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

Sl. No.	Description	Qty. (Sets.)	Unit Basic Rate (In ₹)	Extended Landed Value (In ₹)
1.	12 MTRS long ground mounted high mast Lighting Tower with 8 nos. of 180 watts in each set LED Light fittings and complete with all accessories including head frame, lantern carriage, power tools, winch assembly etc. inclusive of erection & commissioning Make and Model: Arsh/Utkarsh	15	2,43,500.00	36,52,500.00
2.	20 MTRS long ground mounted high mast Lighting Tower with 8 nos. of 180 watts in each set LED Light fittings and complete with all accessories including head frame, lantern carriage, power tools, winch assembly etc. inclusive of erection & commissioning Make and Model: Arsh/Utkarsh	10	3,95,400.00	39,54,000.00
Sub Total				76,06,500.00
GST@18% [IGST]				13,69,170.00
Sub-Total				89,75,670.00
CMPDI Pre-Dispatch Inspection Charge				89,756.70
GST Charge @ 18% on CMPDI Inspection				16,156.21
Total Landed Rate on FOR Basis				90,81,582.91
Total Landed Rate on FOR Basis (rounded off)				90,81,583.00

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

2. TOTAL ORDER VALUE: The total material value will be ₹ 90,81,583.00/- (Rupees Ninety Lakh Eight One Thousand Five Hundred Eighty 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% [IGST] 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.
- 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.	High Mast Lighting Tower	7308	18% [IGST]

h) Your GST details are as under:

SN	Particulars	Firm's Details
1	Name	M/s Arsh Electronics Pvt. Ltd.
2	Constitution of Business	Company
3	Trade Type (Manufacturer/Dealer/Service Provider)	Manufacturer
4	PAN	AAACA0759P
5	Provisional/Permanent ID provided under GST	07AAACA0759P1ZF

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: Nil.

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 10th 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, BCCL.	HOD (F) MM, Purchase Finance, Koyla Bhawan, BCCL, Dhanbad.
BCCL GSTIN No. is 20AAACB7934MFZB	

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

Sl. No.	Area Name	12 MTRS High Mast Lighting Tower	20 MTRS High Mast Lighting Tower
1.	Barora	3 Nos.	2 Nos.
2.	Block II	3 Nos.	1 No.
3.	Katras	2 Nos.	2 Nos.
4.	Sijua	2 Nos.	2 Nos.
5.	Lodna	2 Nos.	1 No.
6.	E J	1 No.	1 No.
7.	C V	2 Nos.	1 No.

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

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 certificates from the 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 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 receipted delivery challan in original, Consignee note (if any), packing list if any, Guarantee/ Warranty certificate, 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	OR	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

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	OR	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

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: Pre-dispatch Inspection shall be carried out by CMPDIL, Ranchi at your Works premises. Inspection Fees @1% on FOR destination price and GST @18% on inspection charges shall be paid initially by you along with your Inspection Call, which shall be subsequently reimbursed by BCCL along with your supply bills against documentary evidence e.g. money receipt etc. Final inspection shall be carried out at the consignee end after receipt of materials. The material shall also be subject to pre dispatch inspection by CMPDIL as per details indicated in Appendix III.

Final inspection shall be carried out at the consignee end after receipt of materials by the concerned technical head [i.e. GM (E&M)/I/C 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:

You undertakes that it has not supplied /is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Ministry/Department of the Government of India or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the BIDDER to any other Ministry/Department of the Government of India or a PSU at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER, if the contract has already been concluded. 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.

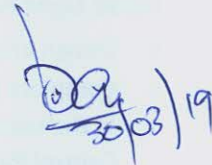
Encl:-1. Annexure-"A" (Technical Specifications & Parameters along with accepted Technical Parameter Sheet); 2. Appendix-I (SD Format); 3. Appendix-II (PBG Format); 4. Appendix-III (Pre-Dispatch Inspection Clause).

INDENT & BUDGET CERTIFICATION REFERENCE

Indent no. and Date	e. BC & e. FC Ref.
Indent No. BCCL/GM(E&M)/F-CI(Elect)/2017-18/High Mast/01 dated 28.11.17.	eBC no. BCCL/C&B/CAP/Reg. PN-10/SN-99/eBC No. 1693 dated 25.03.19 Head: P&M (Others) New Job, for amount of ₹ 90,81,583.00. e.F.C.No. 961 dated 29.03.19 of ₹ 90,81,583.00.

Yours faithfully,
For & 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(E&M)/I/C, E&M Deptt, Koyla Bhawan.
4. MM(Tech Cell), MM Div, Koyla Bhawan.
5. Master File/Office Copy.
6. GM(MM) CCL/NCL/WCL/SECL/ECL.
7. Shri Aditya Prakash Mishra, IRSE (Retd.), Address: Flat No.24, Aster-1, Vatika City, Sohna Road, Sector-49, Gurgaon-122003.
8. Shri Pramod Deepak Sudhakar, IAS (Retd.), Address: A-002, Stellar Park Apartments, C-58/24 Sector-62, Noida (UP) - 201 301.
9. GM (E&M) Inspection, CMPDIL, Gondwana Place, Kanke Road, Ranchi-834008, Jharkhand. Ph: 0651-2792298; Fax No: 0651-2230127.



Annexure-A**TECHNICAL REQUIREMENT AND SPECIFICATIONS****(A) SCHEDULE OF REQUIREMENT:**

Sl. No.	Item Description	Qty. (Sets)
1.	12 MTRS long ground mounted high mast Lighting Tower with 8 nos. of 180 watts in each set LED Light fittings and complete with all accessories including head frame, lantern carriage, power tools, winch assembly etc. inclusive of erection & commissioning Note: 1. Control Panel should be provided with automatic switch on-off of lights at preset time 2. Fitting should conform to IP65	15
2.	20 MTRS long ground mounted high mast Lighting Tower with 8 nos. of 180 watts in each set LED Light fittings and complete with all accessories including head frame, lantern carriage, power tools, winch assembly etc. inclusive of erection & commissioning Note: 1. Control Panel should be provided with automatic switch on-off of lights at preset time 2. Fitting should conform to IP65	10

(B) Technical Specifications & Other Parameters:**SCOPE OF SUPPLY:**

a. Supply of following :

1. 12 Meter Long Ground Mounted High Mast Lighting Tower with (8 Nos. of 1 x 180 Watt) LED Flood Light Fittings complete with all accessories.

2. 20 Meter Long Ground Mounted High Mast Lighting Tower with (8 Nos. 1x180 W) LED Flood Light Fittings complete with all accessories.

- b. Design and construction of Civil Foundations and one earth pit for each tower.
- c. Complete erection, installation, testing and successful commissioning (design and its vetting is in the scope of bidder/manufacturer). BCCL will only provide supply point and feeder cable upto Control Panel.
- d. All items, resources, materials, heavy machinery, tools and tackles etc. required for safe, smooth, efficient erection/ installation successful commissioning (whether mentioned in the TPS or not) shall be scope of bidder.
- e. Control Panel should be provided with automatic switch On-Off Lights at pre-set time.

All Fittings shall conform to IP-65.

SITE CONDITIONS:

- a. Site location will be coal dump area or coal mines of different areas of BCCL, Dhanbad.
- b. The bidder/tenderer are advised to visit the site and get acquainted with the site conditions Bidder has to make their own arrangement in all respect e.g. for transportation of man and material, arrangement and mobilization of equipment at site, storage of materials and it's security, manpower, tools and tackles and/or any other resource arrangement required for complete execution of job on daily or conditional/occasional basis. All arrangements to complete the job safely and successfully (up to successful commissioning) are within the scope of bidder.
- c. The equipment and the materials to be supplied and installed by the bidder shall be suitable for continuous and trouble free operation under the following site conditions :
- Temperature- max 50 degree Celsius and min 5 degree Celsius.
 - Relative humidity- 98% max

- iii. Seismic condition-As applicable to the location
- iv. Atmosphere-heavily polluted with coal dust.
- v. Wind load-50 m/sec or 180 kmph (measured at a height of 10 meter above ground level as per IS 875, latest amended if any)
- vi. Any other site condition like bearing capacity, type of soil, etc. shall depend on site location and shall be assessed by the bidder for suitable designing of the mast/lighting tower.(The design should include Engineering, Construction and safety factors as per above information /mentioned standards.)

SYSTEM PARTICULARS:

The equipment and materials to be supplied by the bidder shall be selected suitably for the following power supply conditions:

Voltage-230 V (L-L)

Frequency-50 Hz +/-3%

All electricals should be suitable for 230V (L-L)

EQUIPMENT SPECIFICATION:**A. PERFORMANCE PARAMETERS:**

High Mast Lighting Towers should be designed for withstanding adverse weather and operation conditions.

B. DYNAMIC LOADING FOR THE MAST:

Bidder should consider following for the design of the High Mast Lighting Tower:

- a) Basic wind speed: 50 m/sec or 180 kmph
- b) Gust factor-1.15(as specified in IS 875, Part-3 1987, Latest amended if any)
- c) Factor of safety for Wind Load : 1.25 (at least)
- d) Factor of safety for tower: as per TR-7, with latest amendments if any.
- e) Mean probable design life-25 years(at least)
- f) Terrain Category-Category 1: suitable class to be selected as per IS: 875, Part-3, with latest amendments.
- g) Height Variation Factor-as per IS 875, Part-3, with latest amendments if any.
- h) Wind frontage Area-To be calculated by manufacturer based on size of their luminaire Structure to be designed with equal distribution of luminaires along the carriage (and additional load, if any).
- i) Wind excited oscillations shall be dampened by the method of construction and adequate allowance shall be made for related stresses.
- j) Mounting : Ground
- k) Luminaires: 8Nos of 1 x180 W LED Flood Light fittings in each set complete with all accessories including head frame , lantern carriage, power tools, winch assembly etc. for 12 Meters /20 meters ground mounted high mast tower(as applicable) complete with all accessories including head frame , lantern carriage, power tools, winch assembly etc.
- l) The high mast should be capable of withstanding seismic activity / load generated due to blasting in coal mines.
- m) The mast must also be capable to withstand impact arising due to local topographical variation and variation developed due to mining activity.

LIGHTING MAST STRUCTURE:

The Lighting mast shall be continuously tapered, polygonal cross section at least 20 sided and shall be as per IS: 875 -1987 (Part—3) with latest amendments. The allowable stresses while designing the structure shall be calculated taking consideration of IS: 800 -1984 (amended up to date) The Lighting mast shall be fabricated from steel plate conforming to IS: 2062, cut and folded to form polygonal section and shall be jointed and welded. For Environmental protection of the mast, the entire fabricated mast shall be hot dip galvanized, internally and externally having uniform thickness as per relevant standards.

APERTURE COMPARTMENT:

An adequate door opening shall be provided at the base of the mast and the opening shall be such that it permits clear access to the equipment like winch, cables, plug and sockets etc. and also facilitate for easy removal of the winch. The door opening shall be with heavy duty double internal lock with special pad lock and key. The door opening shall be carefully designed and reinforced with welded steel section so that the mast section at the base shall be unaffected and undue buckling of the cut portion is prevented. Size of the door shall be minimum to avoid the buckling of the mast section under heavy wind/gale conditions.

LANTERN CARRIAGE:**A. FABRICATION/CONSTRUCTION:**

Material of Construction: Medium Duty/Class B MS Pipe /tube or equivalent or higher strength
(i) Fabricated Lantern carriage shall be provided for fixing and holding the LED Flood light Luminaries and control gear boxes. The lantern carriage shall be designed with steel tube construction. The tubes acting as conduits for cables with holes and fully protected by grommets.

(ii) The Lantern carriage shall be designed to hold required number of LED flood light luminaries with control gear boxes and shall have perfect balance.

(iii) The Lantern carriage shall be fabricated in suitable sections and joined by bolted flanges with stainless steel bolts and nuts to enable for easy installation or removal from erected mast. The entire Lantern carriage shall be hot dip galvanized internally and externally having uniform thickness as per relevant standards.

(iv) The inner lining of the Lantern carriage shall be provided with protective arrangement by providing PVC buffer to avoid swing and no damage is caused to the surface of the mast during raising and lowering operation of the carriage.

(v) It shall have proper design arrangement to avoid swing and to prevent damage to mast surface of other installed parts during lowering or raising operation.

B. JUNCTION BOX:

The weather proof junction box made of cast aluminum should be provided on the carriage assembly as required from which the inter connections to the designed number of LED flood light luminaries and associated control gear fixed on the carriage shall be made.

RAISING & LOWERING MECHANISM:

A. GENERAL: For the installation and maintenance of the LED luminaries and lamps, it shall be necessary to lower and raise the lantern carriage assembly. To enable this, a suitable Winch arrangement shall be provided. The winch shall be fixed in the Aperture compartment provided at the base of mast and the specially designed head frame assembly at the top of the mast

B. WINCH: The winch shall be suitable to handle the weight of the complete lantern carriage assembly. The winch shall be double drum and completely self-sustained type without the need for brake shoe. Springs or clutches. Each driving spindle of the winch shall be positively locked (when not in use) by gravity activated pawls. The capacity, operating speed, safe working load, recommended lubrication, and sl.no of the winch shall be clearly marked on each winch. The winch drum shall be grooved to ensure perfect seat for stable and tidy rope lay with no chances of slippage. The rope termination in the winch shall be such that distortion or twisting is eliminated and at least 5 to 6 turns of rope remains on the drum when the lantern carriage is fully lowered and reset on pads. It should be possible to remove the hoist mechanism after dismantling through the door opening provided at the base of the mast. Also winch gear box for simultaneous and reversible operation of the double drum winch shall be provided. C.

C. POWER TOOL FOR WINCH DRIVE:

The electrically operated winch shall be of "integral power tool" type with motor (single speed) of suitable HP. Speed around 1 to 1.5 meter per second (approx.). Motor should be reversible. The capacity of motor used in power tool shall be compatible to lift the design load of the lantern carriage. Each high mast shall be provided with individual power tool for winch drive. The winch shall have provision of manual operation, in the event of failure of power motor. Power tool shall be supplied complete with suitable control arrangements.

HEAD FRAME ASSEMBLY:

The Head frame assembly designed as capping unit of the mast shall be welded steel construction, galvanized both internally and externally (as per relevant standards) The top pulley shall be of appropriate diameter, large enough to accommodate the steel wire ropes and multi core electric cable. The pulley block be made of non-corrodible material (such as die cast aluminum alloy LM-6) Self-lubricated bearings and steel shaft shall be provided to facilitate smooth and maintenance free operation for a longer period. The pulley assembly shall be fully protected by a canopy galvanized internally and externally, suitable guides, stops and docking arrangement with PVC Buffer for lantern carriage shall be provided.

STEEL WIRE ROPES:

The suspension system shall essentially be without any intermediate joint and shall consist of only non-corrodible steel wire of better grade and conforming to relevant standard. The factor of safety not less than 5 times of for system at Full Load. Three/Four suspension ropes of steel ropes shall be used in the system with a provision of compensating disc. The end construction of rope to the winch shall be fitted with talurit/thimble/other suitable arrangement by compression slices. No intermediate joints shall be there. There shall be torque limiting device to protect the wire rope from over stretching. It shall be mechanical with suitable load adjusting device. The torque limiter shall trip the load when the load exceeds the adjusted limits. There shall be suitable provision for indicating /warning the operator once the load is tripped off. The torque limiter is a requirement as per the standards in view of the overall safety of the system.

FEEDER PILLAR PANEL OR BOX:

The panel shall be outdoor type, stand mounted pre-treated and powder coated. The stand shall be painted with black paint with synthetic enamel paint. Cable entry shall be at bottom (detachable plate of suitable size) with heavy duty brass cable gland for cable termination (for incoming and outgoing cable each). Laminated circuit diagram shall be fixed to the inside of the

door of the feeder pillar with screws. Feeder pillar shall have pad locking arrangement. Panel shall have a sloping canopy for protection from rain water. Provision for protection against short circuit, over current and earth leakage shall be provided (Protection device shall be of relevant DGMS Circular and conforming to relevant Indian standards /ISI Marked). Contactor (wherever used) shall be of suitable rating and conforming to relevant standard. Provision of timer operated switching should be provided. (Automatic on off of lights at pre-set time) Interlocking should be provided as per circuit requirement. Pilot Lamps (preferably LED) for indication, toggle switch for automatic/manual mode, copper bus-bar, duly wired with other accessories for the safe and efficient operation of the system shall be included. It may also house the suitable control arrangement for up & down movement (reversing of the power tool motor) any other component/part/accessories required for complete, smooth, safe or durable operation shall be provided by the bidder/vendor.

ELECTRICALS:

A. ELECTRICAL SYSTEM, CABLE AND CABLE CONNECTION:

A cable coupler /any other arrangement suitable for purpose shall be provided at the base compartment of the high mast for terminating the incoming cable. The electrical connection from the bottom to top of mast to provide Power supply to the installed luminaires shall be provided by trailing cable (copper conductor) of appropriate current rating (as per relevant IS). At the top there shall be a weather proof junction box, to terminate the trailing cable (individual connection from junction box to luminaires can be made by flexible PVC Copper cable). The system shall have inbuilt facilities for testing the luminaires while in lowered position. Also a suitable provision shall be made at the base of the compartment of the mast to facilitate the operation of internally mounted electrically operated power tool for rising/lowering of the lantern carriage assembly. The trailing cables of the lantern carriage shall be terminated by means of specially designed metal clad multi plug and socket provided in the base compartment to enable easy disconnection when required. The provision shall also include lighting of aviation obstruction lamp.

B. LIGHTNING CONDUCTOR/ROD/ARRESTOR/ (conforming to relevant IS/IEC)

One lightning conductor/ GI Single spike shall be provided for each mast. The lightning conductor shall be minimum 1.2 meter length shall be solidly bolted to the head frame to get a direct conducting path to the earth through the mast. The lightning conductor shall not be provided on the lantern carriage under any circumstances in view of safety of the system. Supply & Fitting/ fixing shall be done by the bidder.

C. AVIATION OBSTRUCTION LIGHTS:

Aviation obstruction lights shall be provided and fitted (with required connections, fixtures etc.) on the top of each lighting mast.

Protection: IP 65

Construction: Cast metal /ML-6 alloy

Dome: Toughened glass.

Colour Output- Red.

Powder coated corrosion resistant paint.



EARTHING:

Suitable Earthing arrangements shall be done (conforming to relevant IS, with latest amendments/relevant standards/code of practice) (one earthing against each tower) Earth resistance shall not exceed 1 Ohm. All related items/ materials required for earthing shall be provided by the bidder. Complete construction of earth pit (1 no per tower) and circuit connection shall be under the scope of bidder

TECHNICAL SPECIFICATION FOR LUMINAIRES:

8 Nos of 1×180 W LED Flood Light Luminaires per tower/mast of reputed make.

LED Efficacy- greater than or equal 120 Lm per watt.

System Efficacy- greater than or equal 100 Lm per watt.

CIVIL WORK:

Below mentioned civil work are in scope of bidder:

Foundation: Design as per Code of practice for civil work.

Construction of one earth pit per tower (as per relevant IS, latest amended if any)

Following Documents shall be submitted along with supply:

1. A Notarized Copy of Type test Certificate for Winch issued by NABL Accredited lab/Govt. approved Test House/CPRI.
2. Manufacturer Test Report for Trailing Cable, wire rope, Luminaires, High Mast tower.

AKP



ACCEPTED TECHNICAL PARAMETER SHEET

Tender Inviting Authority: GM (MM), BCCL HQ											
Name of Work: Supply of High Mast Lighting Tower fitted with LED with all attachments including erection & commissioning.											
NIT No: BCCL/PUR/117195/High Mast LT/OTE/18-19/182											
Bidder Name: Arsh Electronics (P) Ltd											
TECHNICAL PARAMETER SHEET											
S. No.	Item Code	Description of Item	Bidder's Eligibility Status	Specification Parameter	Unit of Measure	Evaluation Criteria (To be selected from drop down box in each cell)	Required	Bidder's value	Eligibility Specification wise	Overall	Remarks by bidder, if any
1	Item 1	Supply of High Mast Lighting Tower 12 meters Height (Total tendered Quantity : 15 Sets)	0	Whether quoted or not quoted for this item?	NA	NOT NULL	NOT NULL	QUOTED	TRUE		
		SCOPE OF SUPPLY:		a. 12 Meter Long Ground Mounted High Mast Lighting Tower with 8 Nos. of 1 x 180 Watt LED Flood Light Fittings complete with all accessories.	NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		b. Design and construction of Civil Foundations and one earth pit for each tower.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		c. Complete erection, installation, testing and successful commissioning (design and its vetting is in the scope of bidder/manufacturer). BCCL will only provide supply point and feeder cable upto Control Panel.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		d. All items, resources, materials, heavy machinery, tools and tackles etc required for safe, smooth, efficient erection/ installation successful commissioning (whether mentioned in the TPS or not) shall be scope of bidder.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		e. Control Panel should be provided with automatic switch On-Off Lights at pre set time.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		f. All Fittings shall conform to IP-65.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		Following Documents shall be submitted along with bid:			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		(a) Bidder shall upload Notarised Copy of Past supply Order Copy as per the provenness criteria of the NIT.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE	COMPLIED	
		(b) Bidder shall upload Notarised copy of LM-80 Test Report for the offered LED Make.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		(c) Bidder shall upload Notarised copy of LM-79 Test Report issued by NABL Accredited lab/Govt. approved Test House/CPRI for LED Flood Lights of same or higher wattage.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		(d) Notarised copy of Test Report issued by NABL Accredited lab/Govt approved Test House/CPRI for Mechanical strength of Tower for same or higher height Lighting Mast tower.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		Following Documents shall be submitted along with supply:			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		1. A Notarised Copy of Type test Certificate for Winch issued by NABL Accredited lab/Govt approved Test House/CPRI.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		2. Manufacturer Test Report for Trailing Cable, wire rope, Luminaires, High Mast tower.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		All Other remaining technical specifications of this item as per Annexure-A of NIT			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		Are your company Micro and Small Enterprises registered for this item?			NA	YES or NO		YES	TRUE		
		Are your company Ancillary unit of BCCL for this item?			NA	YES or NO		YES	TRUE		
		Specify offered quantity (Minimum 50% of total tendered quantity)			No	NOT NULL	NOT NULL	Accepted	TRUE		
		Make and model:			NA	NOT NULL	NOT NULL	ARSH/UTKARSH	TRUE		
		Whether quoted or not quoted for this item?			NA	NOT NULL	NOT NULL	QUOTED	TRUE		
2	Item 2	Supply of High Mast Lighting Tower 20 meters Height (Total tendered Quantity : 10 Sets)	0	Whether quoted or not quoted for this item?	NA	NOT NULL	NOT NULL	QUOTED	TRUE		
		SCOPE OF SUPPLY:		a. 20 Meter Long Ground Mounted High Mast Lighting Tower with 8 Nos. of 1 x 180 Watt LED Flood Light Fittings complete with all accessories.	NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		b. Design and construction of Civil Foundations and one earth pit for each tower.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		c. Complete erection, installation, testing and successful commissioning (design and its vetting is in the scope of bidder/manufacturer). BCCL will only provide supply point and feeder cable upto Control Panel.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		d. All items, resources, materials, heavy machinery, tools and tackles etc required for safe, smooth, efficient erection/ installation successful commissioning (whether mentioned in the TPS or not) shall be scope of bidder.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		e. Control Panel should be provided with automatic switch On-Off Lights at pre set time.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		f. All Fittings shall conform to IP-65.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		Following Documents shall be submitted along with bid:			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		(a) Bidder shall upload Notarised Copy of Past supply Order Copy as per the provenness criteria of the NIT.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE	COMPLIED	
		(b) Bidder shall upload Notarised copy of LM-80 Test Report for the offered LED Make.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		(c) Bidder shall upload Notarised copy of LM-79 Test Report issued by NABL Accredited lab/Govt. approved Test House/CPRI for LED Flood Lights of same or higher wattage.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		(d) Notarised copy of Test Report issued by NABL Accredited lab/Govt approved Test House/CPRI for Mechanical strength of Tower for same or higher height Lighting Mast tower.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		Following Documents shall be submitted along with supply:			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		1. A Notarised Copy of Type test Certificate for Winch issued by NABL Accredited lab/Govt approved Test House/CPRI.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		2. Manufacturer Test Report for Trailing Cable, wire rope, Luminaires, High Mast tower.			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		All Other remaining technical specifications of this item as per Annexure-A of NIT			NA	AGREED or DISAGREED	AGREE	AGREE	TRUE		
		Are your company Micro and Small Enterprises registered for this item?			NA	YES or NO		YES	TRUE		
		Are your company Ancillary unit of BCCL for this item?			NA	YES or NO		YES	TRUE		
		Specify offered quantity (Minimum 50% of total tendered quantity)			No	NOT NULL	NOT NULL	Accepted	TRUE		
		Make and model:			NA	NOT NULL	NOT NULL	ARSH/UTKARSH	TRUE		

***TECHNICAL PARAMETER SHEET

***PLEASE ENTER THE DETAILS AS PER THE INFORMATION AND DOCUMENTS YOU HAVE W.R.T. YOUR OFFERED ITEM'S

BY TENDER INVITING AUTHORITY

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

Datedday 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

Datedday of

For Bank

Signature of the authorized person

For and on behalf of the Bank

Emp. Code.

APPENDIX -III**PRE-DESPATCH INSPECTION CLAUSE**

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 @ 1% of total consignment billing (plus statutory levis like GST etc,as applicable on inspection fee) is to be paid to M/s.CMPDIL along with inspection call letter payable by SBI Collect as per enclosed appendix-II(a) which will be reimbursed subsequently by BCCL together with consignment billing.

Minimum 7 calendar days notice shall be given by the manufacturer 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 the manufacturer 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 per appendix-II(b).

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.

FOR AND ON BEHALF OF BCCL



Appendix-III (a)

The manufacturer/firm, intending to submit the Pre-Dispatch Inspection (PDI) Fees online through SB collect has to follow the following steps:-

- i.** Visit CMPDI site (www.cmpdi.co.in).
- ii.** Click on the link of State Bank Collect to pay Inspection Fee
- iii.** Click the acceptance of terms & conditions and then click the proceed button.
- iv.** Next page will open. Here you select the state as *Jharkhand* and then select the type of institution as *PSU-Public Sector Undertaking*, then press *go* button.
- v.** Next page will open requesting to you select PSU name, here you select *CMPDI Ltd.* & then press the submit button.
- vi.** Next page will open, requesting to select the payment category. Here you select "*INSPECTION FEES*".
- vii.** Automatically you will be transferred to next page requesting to you to provide details of payment. Here you are required to fill the data as requested in each row including the remarks.
- viii.** After filling all the required data, press the *submit* button, you will be transferred to next page, which will request to verify the details and confirm the details. Press *confirm* button if entry made are correct otherwise press *cancel*. If you press *Confirm* then you will be transferred to next page where payment option will appear.
- ix.** On this page you will find the various modes of e-payment of different banks i.e. net-banking, debit card, credit card etc.
- x.** At this page you are requested to make the payment by selecting the appropriate mode of payments offered by different banks as per your choice.
- xi.** After making the payment please take out the prints of e-receipt which should subsequently be submitted to us as a proof of payment made to CMPDI along with inspection call letter.
- Xii.** The inspection call is required to be submitted online on the email id gmenm.cmpdi@coalindia.in, with a copy to paresh.saxena@coalindia.in in the following manner:
 - a) A Covering letter on your letter head giving the details of inspection.
 - b) Inspection call duly stamped and signed, addressed to GM (E&M) CMPDI in the required format on your letter head.
 - c) Copy of e-money receipt for the PDT Fee deposited online.
 - d) Copy of the respective complete supplied order against which inspection call is raised.All the above four documents are to be submitted in separate POF files.
- Xiii.** Simultaneously a copy of e-money receipt for the POI Fee deposited online must be mailed on the email id: hqfinance@yahoo.com, with a copy to Sandeep.aru@coalindia.in

Note: - The facility for submission of POI Fee on State Bank Collect will be available from 1st to 28th of every month.

Appendix-III (b)

To

The General Manager (E&M),
CMPDI Ltd.
Gondwana Place, Kanke Road
Ranchi 834031
(Ph 0651-2230876, Fax 0651-2230127)

INSPECTION CALL
(to be typed in Company's Letter Head)

Name of Subsidiary Company of CIL	Inspection Call Ref No. & Date:
Manufacturer's Name with Address & Tel/Mobile phone No.:	P.O. No./R.C. No./Amendment/etc.: Date:
Contact Person Details: • Tel. /Mobile Phone No.: • email id:	Status of supply order: Running Order/ New Order: (Please tick the appropriate one.)
Place of Inspection:	Brief Description of Material :
Qty. of Offered Material:	Value of Offered material: Basic Value: Consignment Value (Inclusive of all Taxes, Packaging & forwarding charges ,Transit Insurance, Freight etc)
Date of readiness of Material: Proposed date of Inspection:	
1.Inspection Fee @1% of Consignment Value: Rs..... 2.GST as applicable on the date of submission of PDI Fee: Rs..... Total (1+2):	Details of e-receipt payment generated after paying the inspection Fee on SB collect: 1. e-receipt no.: 2. Date:..... 3. Amount in Rs.....
Note: 1. Inspection fee and GST charges is being sent on email id: gmenm.cmpdi@coalindia.in , with a copy to paresh.saxena@coalindia.in 2. Copy of Purchase order to be enclosed with inspection call.	

Signature with seal

APR 2