

# **BOKARO POWER SUPPLY CO. (P) LTD.**

**HALL NO:- M-01, OLD ADMINISTRATIVE BUILDING,  
ISPAT BHAVAN, BOKARO STEEL CITY – 827001**

**CIN:U40300DL2001PTC112074**

*Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003*

**TENDER NOTICE NO.: BPSCL/CEO/P&C/16-17/C-089/NIT-595/3858**

**Dated 26/07/2016**



## **TENDER DOCUMENT**

**NAME OF WORK:** Maintenance of Illumination & Enabling Facilities of Various Areas of TPP/ CPP.

**COST : Rs.500/-  
(Rupees Five Hundred only)**

# INDEX

<b>Sl.No</b>	<b>Subject</b>	<b>Page No.</b>
<b>1.</b>	Cover Page	1
<b>2.</b>	Index	2
<b>3.</b>	Notice Inviting Tender (with QR )	3-4
<b>4.</b>	<b>Annexure – I</b> (Conditions & Rules to be observed in submitting tenders with online Price Bids)	5-7
<b>5.</b>	<b>Annexure – II</b> (General Terms and Conditions)	8-9
<b>6.</b>	<b>Annexure – III</b> (Scope of work)	10-14
<b>7.</b>	<b>Annexure – IV</b> (Special Terms & Conditions )	15-17
<b>8.</b>	<b>Annexure – V</b> (Schedule of Quantity/ Price Format)	18-23
<b>9.</b>	<b>Annexure – VI</b> (affidavit)	24
<b>10.</b>	<b>Annexure – VII</b> (Checklist)	25
<b>11.</b>	<b>Annexure- VIII</b> (RA Acceptance)	26
<b>12.</b>	<b>Annexure –IX</b> (Declaration after RA)	27
<b>13.</b>	<b>Annexure –X</b> ( General EHS responsibility of contractor)	28

# Bokaro Power Supply Co. (P) Ltd.

(A Joint Venture of SAIL & DVC)

Hall No: - M-01, Old Administrative Building,

Ispat Bhawan, Bokaro Steel City – 827001

NOTICE INVITING TENDER

**CIN:U40300DL2001PTC112074**

*Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi – 110 003*

**NIT No. : BPSCL/CEO/P&C/16-17/C-089/NIT-595/3858**

**Date: 26/07/2016**

For and on behalf of BOKARO POWER SUPPLY COMPANY (P) LTD, sealed tenders in three parts, **Part - A** : Cost of Tender document & EMD, **Part- B** : Technical & Commercial Offer and **Part – C** : **Online Price Bid** are invited, from reputed, experienced and financially sound firms for the following work at our Power Plant.

Description of Work	<b>Maintenance of Illumination &amp; Enabling Facilities of Various Areas of TPP/CPP.</b>
Earnest Money (in Indian Rs.)	<b>Rs. 15,000/-</b> (Rupees Fifteen Thousand ) only
Cost of tender documents (Non-refundable) (in Indian Rs.)	<b>Rs.500/-</b> (Rupees Five Hundred) Only
Period of contract	<b>01 (One) year from the date of commencement of Work (Extendable for further one year on satisfactory performance)</b>
Last date & time of submission of tender	<b>26/08/2016 at 12.00 Hrs. (IST)</b>
Bid opening Date & Time.	<b>26/08/2016 at 12:15 Hrs. (Part A &amp; B)</b>

## **Qualifying Requirements / Eligibility Criteria :**

### **1. Average annual turnover (AAT)**

Tenderer should have Minimum average annual turnover (MAT) of **Rs.36,60,222.00**

- ⇒ Average annual turnover shall be determined taking into consideration turnover of available preceding three consecutive financial years. Other income shall not be considered for arriving at annual turnover.
- ⇒ Audited annual accounts along with auditor's report of the bidder should be furnished in support of the same. Where audited annual account is not mandatory as per the law, the bidder has to submit annual financial turnover during the consecutive last three (03) years, ending 31st March of the previous financial year duly certified by CA.

### **2. Technical Capability :**

Party should have experience of having completed **similar works** in any Public Sector Undertaking / Government / Semi Government organization or joint venture thereof / Company registered under Companies Act during last 7 years ending last day of month previous to the one in which offer are invited shall be either of the following:

- Three similar completed works each costing not less than **Rs.7,32,044.00**  
**OR**
- Two similar completed works each costing not less than **Rs.9,76,059.00**  
**OR**
- One similar completed work costing not less than **Rs.17,08,104.00**

**Similar Work means:** *Maintenance or Operation jobs of Electrical equipment or system.*

3. In support of their eligibility and experience, the Tenderer is required to submit self attested photo copies of work orders, completion certificates (by the concerned competent authority etc.) along with the techno-commercial bid. In addition, bidder shall submit an affidavit as per format at **Annexure-VI**, declaring that the documents submitted by them are genuine.

4. Completed Work means the executed/completed portion of Work Order/AMC/RC, even if the work has not been completed in totality (subject to furnishing proof of executed value of work in the form of certified copies of RA Bills) along with successful work execution certificate (by the concerned authority etc.)
5. The value of, work order(s) submitted by the bidder will be considered on pro rata yearly basis.
6. The bidder shall furnish authenticated copies of latest IT Return, Service Tax Registration, EPF certificate, ESI Certificate & Valid Electrical license.
7. **The bidder must accept for finalization of rate through Reverse Action (RA) as per format given at Annexure-VIII.**

**General Terms & Conditions:**

- i) Offer shall be accompanied with Cost of the tender documents of **Rs. 500.00** (non-refundable) in the shape of Demand Draft / Banker's Cheque drawn from any Nationalized / Scheduled Bank except Co-Operative Bank, in favour of **Bokaro Power Supply Company (P) Ltd.**, Payable at Bokaro Steel City.

However Government organizations / Small scale industries registered with NSIC is not required to submit the cost of tender document subject to production of the documentary evidence like valid Registration certificate of the same item or group of item from appropriate Govt. Authority.

- ii) Offer shall be accompanied with Earnest Money Deposit (EMD) of **Rs.15,000.00 (Rupees Fifteen thousand) Only** in the shape of Demand Draft / Pay Orders / Bankers Cheque Payable at Bokaro Steel City // Bank Guarantee having validity for, one (01) year, from any Nationalized Bank / Scheduled Bank except Co-operative Bank drawn in favour of **Bokaro Power Supply Company (P) Ltd.** as per format available at our website: **[www.bpscl.in](http://www.bpscl.in)**.

However EMD exemption wherever applicable may be availed of by Micro & Small Enterprises (MSEs) / PSUs / Govt. Undertakings and Co-operative Societies etc., as per Government policy. For MSEs, the exemption from EMD is to granted only on submission of valid notarized copy of certificate having a valid Entrepreneurs Memorandum (EM) number. SSI / NSIC certificate holders are required to submit a copy of Entrepreneurs Memorandum for EMD exemption.

- iii) The undersigned reserves the right to either reject any / all the tenders without assigning any reason thereof & also reserves the right to alter the qualifying requirements.

**Note:**

1. Tender documents are to be downloaded from our Website: **[www.bpscl.in](http://www.bpscl.in)**/**[eps.buyjunction.in](http://eps.buyjunction.in)** only.
2. Bidders are requested to visit our website regularly for any addendum / corrigendum / Extension till opening of the NIT. **Any such changes shall not be published through Press advt.**

For and on behalf of  
Bokaro Power Supply Company (P) Limited

Sd/-

(J.M Prasad)

DGM (P&C)

Tel : 8986874098

Email : **[purchase.bpscl@gmail.com](mailto:purchase.bpscl@gmail.com)**

## **Conditions & Rules to be observed in submitting Tenders**

### **1.01 Manner of Submission of the Tender**

The tender shall be divided into 03 parts as follows:-

- a) **Part A:** This part Comprises of Cost of Tender document & EMD, NIT No. & date marked with Part A.
- b) **Part B:** This part Comprises of Technical and Commercial details, consent on terms & conditions of NIT etc. marked with (Part-B) Techno-Commercial Bid, NIT No. & Date (*In hard copy*)
- c) **Part C:** Online sealed Price Bid through URL : <http://www.buyjunction.in>

**The process of submission of Online Price bid is as detailed hereunder-**

Step 1: Type <http://www.buyjunction.in> in the internet explorer.

Step 2: Click on Login (present on Top right side of the Page)

Step 4: Click on **View Live Auctions and Tenders.**

Step 5: In the right side open/ global tenders link will be displayed.

Step 6: Click on the link for the above mentioned tender link present under Open tenders

Step 7: Click on new user if you are not registered in buyjunction earlier. Click on Existing user in case you have already registered in buyjunction earlier. Existing users can login with their user id and password.

**Please note** foreign bidders are required to select their bidding currency from the drop down available before proceeding further (where ever applicable).

#### **New Users:**

Steps to get your **User Code and Password**

1. Click on the required tender link under “**Open Tenders**”
2. Choose your Auction currency in-case any option is coming to select currency. Click on “**New User**”
3. Fill up the “**Registration Form**” and click on “**Submit**”. All fields marked with (\*) are mandatory fields.
4. On submitting the filled-up registration form, an auto generated email will be sent to the email address you have mentioned in the registration form containing your User Code and Password.
5. Changing of password on first login is compulsory.
6. On receipt of the User Code and Password you become an **Existing User**. Now follow the steps of existing user to login to the auction site.

#### **Existing Users**

1. Click on the required tender link under “**Open Tender**”
2. Click on “**Existing User**”.
3. Log in with your existing user code and password for placing your bid.
4. Read through the “**Bidding Procedure**” to proceed further for bidding.

#### **Bidding Procedure**

After logging in with your user id and password you have to accept the “**Auction Terms**”.

**Steps to accept the “Auction terms”:**

1. Click on “**Auction Terms**”.
2. Then click on “**View term without DSC**”
3. Click on the relevant auction terms appearing under “**Term**” column.
4. Select the check box on the left-side of the relevant auction terms.
5. Click on the button besides “**Accept**”.
6. Then click on “**Submit**”.
7. A message will be displayed to you mentioning your acceptance to terms for auction.
8. It is mandatory to accept the terms of online bidding in order to proceed for submission of bid.

### **Steps to Submit Price Bid**

1. Click on “**Bids.**”
2. Then click on “**Live Auction.**”
3. Put your login password as transaction password
4. Select the auction id and click on add to watch list.
5. Now the bidding screen is visible.

#### **6a. For Template Bidding**

1. Click on **Icon “T”** on left column of bidding screen (Which will appear separately **for each lot**).
2. A template form will open where you need to fill up the price & click on evaluate at the bottom
3. If you want to quote the evaluated price then click on “**confirm**”.
4. After clicking on the confirm button of the template window, your price will appear in the “**New Bid**” box.

#### **6b. For Non-Template Bidding**

1. Fill your Price in the “**New Bid Box**” visible on the bidding screen.
2. Select the check box at the extreme left of the bidding screen
3. Click on “**Submit**” button placed at the bottom left of the screen.
4. Bid once placed will have to be honoured.
5. You will see “**Bid Accepted**” in the “**Result**” column. This indicates that your bid is accepted and registered in the system.

### **Steps to take a print-out of the receipt**

1. Once you have placed your bid, to download Bid Receipt, kindly click on “**Download**”.
2. Then click on “**Bid Receipt for Open Tender**”.
3. Select the auction to generate receipt.
4. Take print out of the same market-wise (Term List)/ item-wise (Auction list).

#### **Note:**

1. **Current price, Market status, Start Bid Price, Bid Decrement, Effective Price** will not be available.
2. Time remaining for the event to close will be shown under the Bid Summary screen.
3. For any clarification on the bidding process please contact  
Mr. Manish Nandwana \_ 9163348165\_ [manish.nandwana@mjunction.in](mailto:manish.nandwana@mjunction.in)  
Ms. Monalisa Shaw \_ 9163348297\_ [monalisa.shaw@mjunction.in](mailto:monalisa.shaw@mjunction.in)  
**Mr. Sumit Kumar Das – 8873002750 - [sumit.das@mjunction.in](mailto:sumit.das@mjunction.in) for Bokaro Office**  
**A scanned copy of System generated **acknowledgement-slip** for Online submission of sealed price bid to be submitted along with EMD Bid or Techno-commercial Bid.**

- 1.01.1 A & B part should be sealed in separate envelopes, clearly superscribing on the top of each envelope the relevant part number and description along with NIT reference and date of opening and submit all the parts simultaneously in another sealed envelope clearly superscribing NIT reference and date of opening.

### **1.02 Tender Validity Period**

The tender shall be valid at least for 120 (One hundred twenty) days from the date of opening.

### **1.03 General**

- i) Tenderer’s are requested to visit site for actual assessment of the job before submission of their offer.
- ii) The tender rates shall be written in English, both words and figures. In the case of any discrepancy between the words & figures of the rates quoted, the rates expressed in words shall be taken as correct. In the case of discrepancy in the Unit Rate and Amount, Unit Rate will govern.

- iii) All pages of the tender documents, conditions, specifications & all enclosures must be signed with seal of the company at the lower left hand corner by the tenderer before submission of the tender.
- iv) If the intending tenderer is a Firm or Company, then they shall, in the forwarding letter, mention the number and names of all the partners & shall sign before submitting the same, unless the Power of Attorney holder has specifically been authorized in this respect.
- v) If any tenderer withdraws his tender before its acceptance or refuses within a reasonable time without giving any satisfactory and acceptable explanation thereof, the tenderer shall be disqualified for making any tender of the BPSCL for a minimum period of one year and the Earnest Money will be forfeited.
- vi) **Handling of Earnest Money:**
  - a) Earnest Money will be refunded to the un-successful tenderer after finalisation of tender and no interest will be paid for the same. Bidders are requested to provide Bank Details for refund of EMD.
  - b) The amount of Earnest money will be adjusted against Security Deposit only in case of successful Tenderer.
- vii) In case the date of tender opening happens to be holiday, the tender will be opened on the next working day at the same time.
- viii) **Any conditional offer or offer having deviations from our qualifying requirement, specification & instruction sheets is liable to be rejected.**
- ix) BPSCL reserves the right either to reject any/all the tenders without assigning any reason thereof.

**General Terms and Conditions**

- 2.01 Bidders are requested to visit the site before submission of the bid to get acquainted with actual site condition.
- 2.02 You will have to follow and observe the safety & statutory requirements.
- 2.03 You will have to fully responsible for any sort of unsafe activity of your workmen.
- 2.04 All working personnel should have proper safety certificates issued by BPSCL before start of work.
- 2.05 Supervision of the work has to be carried out by the agency.
- 2.06 Work is to be carried out as per instruction & satisfaction of the Engineer-In-Charge.
- 2.07 Rates are to be quoted on firm price basis. Any conditional offer is liable to be rejected.
- 2.08 In case of any documents/information submitted by the bidder(s) found to be false or containing any misrepresentation of having any fraudulent declaration in it then in such eventuality legal action (including cancellation of contract, banning of business dealing, forfeiture of EMD, criminal proceedings etc.) as deemed fit may be initiated by BPSCL against the bidder.
- 2.09 **Payment Terms :**  
90% of contract value will be paid on pro-rata basis on progressive jobs duly certified by Engineer In-Charge and balance 10% will be retained as security deposit which will be released after six (06) months of satisfactory execution of work.
- The expression satisfactory execution of the order shall mean fulfillment of all obligation arising out of and the guarantees stipulated in the contract. In default at satisfactory execution of the order the security deposit shall be forfeited to the BPSCL.
- Any penalty for which the successful tenderer shall be found liable or any liquidated damages which shall be payable to the BPSCL in terms of the Contract, shall also be recoverable by the BPSCL from the Security deposit. If such security deposit will not be adequate for the purpose of liquidating the amount of penalty and/or damages as contemplated, the amount in excess thereof shall be deducted from any sum or sums which may be due or may become due to the successful tenderer from the BPSCL on any account whatsoever.
- Notwithstanding what has been stated above if the successful tenderer shall have duly performed all his obligation under and the guarantees stipulated in the contract and observe all the terms and conditions thereof and no penalty shall have been recoverable from him and / or the BPSCL shall not have suffered any damages whatsoever, then security deposit shall be refunded, on receipt of a certificate from the Engineer in - charge that there is no claim against the Successful tenderer under the Contract.
- 2.10 Contractor will produce medical fitness certificate for his workers prior to CLC clearance for working at height. Height passes to be obtained from safety department.
- 2.11 You will have to strictly adhere to the provision of various labour laws including payment of bonus Act 1965.
- 2.12 You will have to pay Rs.4/- extra to the working persons as per BPSCL rules above minimum wage of one day.
- 2.13 Offer is to either type written or by handwritten and in no case partly type written and partly hand written. No corrections, overtyping shall be permitted without duly authenticated.
- 2.14 Tenders shall be accompanied by a copy of latest IT Return submitted, Service Tax Registration No. (if applicable) of the Individual/Party/Firm submitting the Tender.
- 2.15 Paying authority –In - charge (F&A), BPSCL.
- 2.16 Tenderers shall quote their firm rates and no negotiations will be held except with the lowest tenderer, if required.
- 2.17 In accepting the order you are understood to accept to all responsibilities for completing the work in all respect.

- 2.18 Where a claim of Service Tax is preferred and admitted, the tenderer must satisfy that he is a registered contractor under Service Tax Act and possesses a Certificate of Registration in the firm's name in which the service is made and shall in proof thereof, while submitting bills for payment, furnish the number, date and other particulars of such Certificate.
- 2.19 The manpower (labour and Supervisor) deployed for completion of the job and for compliance of work & safety of the workmen should be adequate. However the compliance and completion of the job cannot be restricted to labour supply but on the actual execution of the job to be certified by the Engineer – In – charge.
- 2.20 **VDA Clause** : During operation of the contract, if there is an upward revision of minimum wages, VDA by the appropriate Government, the Contractor shall be entitled to reimbursement of such additional amount on actual basis subject to production of documentary evidence. The base date shall be the Bid opening date OR Revised offer date (in case of negotiated prices)
- 2.21 **Work accident** :
- a. You will be totally responsible for the safety of the workers employed by them. In the event of any work-accident, major or minor, your representative you must take care of the injured person immediately and provide him the required treatment as suggested by the doctor. The injured person may be admitted to BGH for the treatment by paying the charges as demanded by the hospital authority.
- b. You shall be fully responsible for making payment of compensation to your own workmen or to those of your sub-contractor in respect of any accident or injury occurring to them. BPSCL will in no way be responsible for it and will remain indemnified against all such claims of compensation in such cases
- 2.22 **SUBMISSION OF BANK GUARANTEE FOR QUOTING UNWORKABLE RATE:**  
if a tenderer quotes unworkable rates i.e. if the quoted price is less than the lower limit of the estimated price and is considered for placement of order, the party will be asked to justify the rate quoted and will have to give Performance Guarantee Bond (in addition to the Security Deposit) in the form of Bank Draft/Bank Guarantee. The amount of Performance Guarantee Bond will be decided by BPSCL at the time of placement of order. Earnest Money of the tenderers who refuse to give Performance Guarantee Bond will be forfeited and they will not be considered for taking participation in any kind of Tender for next Six (06) months from the date of issue of letter to the Defaulter Firm, if order / contract is not finalised from the present tender.
- 2.23 **FORCE MAJEURE** : Vendors / Contractor shall not be considered in default if delay occurs due to cause beyond their control such as acts of God, natural calamities, civil wars fire, strike, frost, floods, riot and acts of unsurpassed power. Only those causes which have duration of more than seven days shall be considered in force majeure clause. In the event of delay due to such clause the delivery / completion period will be extended for a length of time equal to the period of force majeure of at the option of owner order may be cancelled without any liability what so ever on the part of the owner.
- 2.24 **RATE FINALIZATION:**  
Rates will be finalized through Reverse auction among the techno commercially acceptable tenderers through our authorized service providers i.e. **M/s. Mjunction Service Ltd.** The tenderers have to submit their acceptance as per enclosed format at **Annexure – VIII & IX** along with their techno-commercial bid. The schedule and details of Reverse Auction event shall be communicated by our Service provider (**M/s. MJunction Service Limited**) to the techno-commercially accepted bidders.
- 2.25 **The Parties should clearly indicate their prices firm in all respects till execution of the work order.**
- 2.26 In case of asking any variation on any account whether sales tax or Service tax (wherever applicable) will not be treated as firm price on that account and hence parties should state everything clearly.
- 2.27 **Special Instruction:** Tender will be opened on **26.08.2016 at 12.15 PM**. If it is declared a holiday by BPSCL then in the next working day at the same time in the presence of Tenderer's Authorized Representatives, who wish to be present.

**Scope of works :****A. Maintenance of Illumination & other Enabling Facilities of WCTP Areas of TPP & CPP:**

1. Complete maintenance of lighting fixtures of 70W, 125W, 250W, 400W HPMV / HPSV Lamps, including replacement of lamps, chokes, igniters, complete fittings, parts thereof, connection, disconnection, earthing, attending various defects of these & associated power points, electric circuit, etc.
2. Complete maintenance of lighting fixtures of 100W, 200W, 300W, 500W incandescent lamps, including replacement of lamps, holders, complete fittings, parts thereof, connection, disconnection, earthing, attending various defects of these & associated power points, electric circuit, etc.
3. Complete maintenance of lighting fixtures of 40W, 20W fluorescent tube lamps, including replacement of lamps, holders, chokes, igniters, starter, complete fittings, parts thereof, connection, disconnection, earthing, attending various defects of these & associated power points, electric circuit, etc.
4. Complete maintenance of 220V & 24V socket supply system including replacement of switch, socket, cabling, connection, disconnection, earthing, attending various defects of these & associated power points, etc.
5. Complete maintenance of welding supply posts including repair / replacement of switches, cables, connection, disconnection, earthing, attending various defects of these & associated power points, etc.
6. Complete maintenance of air conditioner supply posts including repair / replacement of switches, cables, connection, disconnection, earthing, attending various defects of these & associated power points, etc.
7. Complete maintenance of various types of LT power & control cables associated with lighting & other LT enabling facilities, attending various defects of these.
8. Provision of LT power supply to various enabling facilities like compressors, grinding machines, and other minor machines, including provision of additional illumination, and additional 220V / 24V socket points, and their connection, disconnection, earthing, attending various defects of these & associated power points, electric circuit, etc. during various Preventive Maintenance, M/R, C/R or Breakdown Repair jobs of Electrical or Mechanical Departments in WCTP, TPP & CPP.
9. Complete maintenance of exhaust fans, man cooler fans, air blowers, pedestal fans etc., their connection, disconnection, earthing, attending various defects of these & associated power points, electric circuit, etc.

**B. Maintenance of Illumination System & Enabling Facilities of Areas of Turbine 1, 2, 3 & 6, 7, 8 of Power Plant:**

1. Regular inspection, monitoring, repair & maintenance of 70W HPSV / 125W HPMV / 100W, 200W, 300W incandescent lamp fittings comprising of replacement of defective parts like bulb, choke, igniter, whole set, etc, connection, disconnection, cable termination, earthing, dismantling, re-assembling, testing, etc. complete, including shifting of materials.
2. Regular inspection, monitoring, repair & maintenance of 250W / 400W, HPSV / HPMV lamp fitting comprising of replacement of bulb, choke, igniter, whole set, cable termination, earthing, testing, etc. complete, including shifting of materials.
3. Regular inspection, monitoring, repair & maintenance of 220V socket system throughout turbines 1,2,3 & 6,7,8 including repair replacement of switch, socket, cable termination, earthing, testing, etc, complete, including shifting of materials.

4. Regular inspection, monitoring, repair & maintenance of 24V socket system through out turbine 1,2,3 & 6,7,8 including repair replacement of switch, socket, cable termination, earthing, testing, etc, complete, including shifting of materials.
5. Regular inspection, monitoring, repair & maintenance of welding posts comprising of fabrication / repair of supporting stand for switches and welding post shade, repair / replacement of switches, maintenance, connection, disconnection of cables, earthing, testing, etc. complete, including shifting of materials.
6. Regular inspection, monitoring, repair & maintenance of lighting distribution boards, comprising of repair / rectification / replacement of MCBs, ICTPNs, MCCBs, Maintenance of cable, termination and disconnection of cable, earthing, testing, etc. complete, including shifting of materials.
7. Regular inspection, monitoring, repair & maintenance of Highway lighting fixtures comprising of repair / replacement of fixture bracket, repair / replacement of fitting, bulb, choke, igniter, cable connection, disconnection, earthing, testing, etc. complete, including shifting of materials.
8. Regular inspection, checking, dressing, clamping, tagging & marking of highway fitting cable of size 4 x 6 / 4 x 16/4 x 10mm<sup>2</sup> armored, clamping, dressing etc. complete, including shifting of materials.
9. Regular inspection, monitoring, repair & maintenance of highway lighting Junction Box. Comprising of repair/ replacement of Junction Box, cable, cable connection, testing, etc. complete, including shifting of materials.
10. Regular inspection, checking, dressing, clamping, tagging & marking of cables at + 0 Mtr & (-) level of TG 1,2,3 & 6,7,8, of size 3 ½ x 120mm<sup>2</sup> / 3 ½ x 150mm<sup>2</sup> armored, including shifting of materials.
11. Regular inspection, checking, dressing, clamping, tagging & marking of cables at + 0 Mtr, + 8 Mtr & (-) level of TG 1,2,3 & 6,7,8 of size 4 x 16mm<sup>2</sup> / 4 x 6mm<sup>2</sup> armored, including shifting of materials.
12. Regular inspection, checking, monitoring, testing & marking of GI Pipe of 40mm dia, including shifting of materials.
13. Regular inspection, checking, monitoring, testing & marking of GI pipe of 80mm dia, including shifting of materials.
14. Provision of Power supply to various enabling facilities like welding machines, grinder machines, winch machine and other machines. Providing additional illumination wherever required & provision of additional 220 V, 24 V Hand lamps & socket points, earthing, connection, disconnection, shifting of materials, etc, (During various Preventive Maintenance works of TG 1,2,3 & 6,7,8).
15. Provision of Power supply to various enabling facilities like welding machines, grinder machines, winch machine and other machines. Providing additional illumination wherever required & provision of additional 220 V, 24 V Hand lamps & socket points, earthing, connection, disconnection, shifting of materials, etc (During Medium Repair of TG 1,2,3 & 6,7,8).
16. Provision of Power supply to various enabling facilities like welding machines, grinding machines, winch machines and other machines. Providing additional illumination wherever required & provision of additional 220 V, 24V Hand lamps & socket points, earthing, connection, disconnection, shifting of materials, etc. (During Breakdown Repair of TG 1, 2, 3 & 6, 7, 8).

**C. Maintenance of Lighting of Control Rooms, MCC Rooms, 11KV, 6.6KV & LT Switchgear Halls, Site Offices & Welfare Building No. 1 & 2, and Lighting Cables, Trays & Racks of Boilers of Power Plant.**

1. Maintenance of complete illumination systems, devices, fixtures & 24V / 220V Socket supply systems, together with emergency lighting (including regular inspection, monitoring, cleaning, replacement of fused lamps, defective chokes, starters, holders, complete fittings, fault-finding, defect rectification, maintenance of wiring, switches, distribution boards, or other illumination devices, minor modification including necessary connection / disconnection of wires, marking, dressing, tagging, proper earthing etc, pertaining to control rooms of TPP & CPP:
  - (i) MCB or ECR-I; (ii) ECR-II; (iii) GCB-I; (iv) GCB-II; (v) UCR-I; (vi) UCR-II.
2. Maintenance of complete illumination systems, devices, fixtures & 24V / 220V Socket supply systems (including regular inspection, monitoring, cleaning, replacement of fused lamps, defective chokes, starters, holders, complete fittings, fault-finding, defect rectification, maintenance of wiring, switches, distribution boards, or other illumination devices, minor modification including necessary connection / disconnection of wires, marking, dressing, tagging, proper earthing etc., pertaining to:
  - (a) All MCC rooms of main shops of TPP & CPP.
  - (b) All 11KV switchgear halls of main shops TPP & CPP.
  - (c) All 6.6KV switchgear halls of main shops of TPP & CPP.
  - (d) LT S/G rooms of main shops of TPP & CPP.
  - (e) Stair cases of control rooms of MCB, ECR-II.
  - (f) Stair case to Conveyor-4 gallery of TPP.
  - (g) Stair cases of welfare building No. 1 & 2.
  - (h) Site offices of TPP & CPP of Lighting maintenance post; Telephone panel room; Truck / Crane / Jeep operators' room; and Boiler maintenance post at ground floor of TPP.
  - (i) Instrumentation panel rooms of main shops of TPP & CPP.
  - (j) Air Conditioning cooling pump room over MCB of TPP.
  - (k) Electrical Work Shop & Motor Room of TPP.
  - (l) Electrical Stores 1 & 2.
  - (m) Battery Room & Charger Room of TPP.
  - (n) Welfare Building No. 1, 2, of power plant, including GM's chamber & conference room, all officers' rooms, stair cases, passages, corridors, bathrooms, etc.
  - (o) Main Canteen in Welfare building No – 2.
  - (p) New Canteen Shed beside WCTP- I.
  - (q) Main stores of BPSCL.
3. Maintenance of cables, trays and racks of 8 M, 10 M, & 13 M levels of all Boilers of TPP & CPP including cleaning of industrial waste, dust, etc, and dressing, clamping, tagging, etc.

**D. Maintenance of Tower Lights, Road Lights & Area Lights of Power Plant:**

1. Complete maintenance of tower lights of railway track & other tower lights in CHP area, comprising of replacement of lamp, chokes, igniters, complete sets connection, disconnection, etc.
2. Complete maintenance of tower lights of switchyard, comprising of replacement of lamp, chokes, igniters, complete sets, connection, disconnection, earthing, etc.
3. Complete maintenance of switches including repair /replacement of defective switches at the bottom of towers of tower lights (of CHP & switch yard) including connection, disconnection, checking, etc.

4. Complete maintenance of cables & termination (including replacement of damaged cables, lugs, etc, if required) from source point to tower switch & from tower switch to fitting at top of tower.
  - (a) Cable Size: 4 x 16sq. mm.
  - (b) Cable Size: 4 x 25 sq. mm.
5. Complete maintenance of distribution boards at the top of towers (wherever available) including repair /replacement of defective parts, fixing, connection, disconnection, etc.
6. Maintenance of cables (including replacement of damaged cables, if required) along / across the road for tubular lighting pole fittings.
7. Complete maintenance of road light fittings of tubular poles, repair / replacement of defective parts of fixtures, chokes, tubes, igniter, etc. & electric circuit connection, disconnection, earthing, etc.
8. Complete maintenance of loop in loop out box at the bottom of tubular road lighting pole comprising of repair / replacement of defective box and accessories inside, connection, disconnection, earthing, etc.
9. Complete maintenance of road light fittings of straight poles, repair / replacement of defective parts of fixtures, chokes, tubes, igniter, etc. & electric circuit connection, disconnection, earthing, etc.
10. Complete maintenance of area light fixtures (comprising of areas adjacent to Welfare Building, TG Hall-TPP, Electrical Stores, MCB, including Transformer Yard & Stair case between TPP & CPP) and electric circuit connection, disconnection, earthing, rectification of faults, repair /replacement of defective parts of fitting, lamp, choke, igniter, etc. (250 / 400 W HPSV / HPMV fittings)
11. Complete maintenance of 70 W HPSV area light fittings including electric circuit connection, disconnection, earthing, rectification of faults, replacement of defective lamp, choke, igniter, etc.

**E. Maintenance of Welding Machines of TPP & CPP:**

Maintenance of Welding MG sets, or, Welding Transformer sets of TPP & CPP (belonging to BPSCL, of which the details are given in Schedule of Quantity):-

- (a) Regular inspection, monitoring & testing.
- (b) Preventive maintenance, on regular basis.
- (c) Complete overhauling including dismantling, cleaning, greasing, tightening, alignment checking, fixing, reinstalling, whenever needed, and as applicable to welding MG sets, or, Transformers.
- (d) Break down maintenance, whenever needed.
- (e) Repairing of defective parts, if any.
- (f) Replacement of damaged parts, if any.
- (g) Strengthening /Replacing damaged electrical insulation of transformers, motors, generators of welding sets.
- (h) Commissioning & trial run of re-assembled / overhauled old machines / sets.
- (i) Fault finding of electrical circuit & defect rectification.
- (j) All other aspects of proper maintenance ensuring smooth trouble-free operation of Welding Machines / Sets of TPP & CPP.
- (k) Shifting of welding machines / sets from site to workshop for repair, and vice versa for commissioning after repair / maintenance.

## **F. Maintenance of Illumination & Enabling Facilities of Boilers 1 to 5:**

1. Complete maintenance of 70W HPSV / 125W HPMV / 100W, 200W, 300W incandescent lamp fittings comprising of replacement of defective lamps, chokes, igniters, complete sets, cable termination, disconnection, attending various defects of these & associated power points, electric circuits, etc.
2. Complete maintenance of 250W / 400W, HPSV / HPMV incandescent lamp fittings comprising of replacement of lamp, chokes, igniters, complete sets, cable termination, disconnection, attending various defects of these & associated power points, electric circuits, etc.
3. Complete maintenance of lighting supply distribution boards, miniature circuit breakers and switches (three phase & single phase), from 100 Amp to 5 Amp ratings, comprising of repair / rectification / replacement of switches, connection, disconnection of cables, attending various defects of these & associated power points, electric circuits, etc.
4. Complete maintenance of welding points comprising of fabrication / repair of supporting stand for switches, repair / replacement of switches, connection /disconnection of cables, attending various defects of these & associated power points, electric circuits, etc.
5. Complete maintenance of power lighting cables, proper dressing & clamping of cables including relaying of damaged / burnt cables.
  - (a) 4 x 6 sq. mm. / 4 x 10 sq. mm. armoured cables.
  - (b) 3 ½ x 70 sq. mm armoured cables.
  - (c) 3 ½ x 120 sq. mm armoured cables.
6. Complete maintenance of 220V socket system throughout the boilers 1 to 5 including repair / replacement of switches, sockets, cables, termination, disconnection, attending various defects of these & associated power points, etc.
7. Complete maintenance of 24V socket system throughout the boilers 1 to 5 including repair / replacement of switches, sockets, cables, termination, disconnection, attending various defects of these & associated power points, etc.
8. Provision of power supply to grinding machines, compressors, & other machines facilities and provision of additional 220V, 24V hand lamps & socket points, including connection, disconnection, earthing, etc., complete, during minor repairs like preventive maintenance (other than C/R, M/R & B/D repair) works anywhere in boiler 1 to 5 areas.
9. Provision of power supply to grinding machines, compressors & other machines / facilities, and provision of additional 220V, 24V hand lamps & socket points, including connection, disconnection, earthing, etc., complete, anywhere in boiler 1 to 5 areas, during capital repairs of boilers.
10. Provision of power supply to grinding machines, compressors & other machines / facilities, and provision of additional 220V, 24V hand lamps & socket points, including connection, disconnection, earthing, etc., complete, anywhere in boiler 1 to 5 areas, during medium repairs (duration two days or more) of boilers.
11. Provision of power supply to grinding machines, compressors & other machines / facilities, and provision of additional 220V, 24V hand lamps & socket points (during breakdown repairs anywhere in boilers 1 to 5).
12. Shifting of all materials required for the job, like light fixtures, transformers, MCB's, cables, etc., to the site, and back to stores for safe keeping after use.
13. Marking of the supply points (LDB's) for illumination, 220V, 24V socket points, welding posts, power points for permanently connected enabling facilities, associated cables, etc., for easy identification.

**SPECIAL TERMS & CONDITIONS :**

1. The bidder is to submit self attested copy of valid Electrical License or renewal of the same, if applicable for Conducting Electrical Contractual Works.
2. The successful bidder & the workmen employed by him will have to follow and observe all the safety & statutory rules, norms & requirements for electrical jobs.
3. The area of work is highly sensitive with respect to safety hazards, since there is a danger of harmful gas leakage, the relevant boilers being gas fired (by both BF & CO Gas). No working personnel should be exposed to unsafe level of gas leakage. Also there is a fire hazard due to dust leakage, and there should not be any case of fire due to dust accumulation on the cables. The various fittings, JBs, PDBs, supply sockets, cables, should be regularly & persistently cleaned and there should not be any sparking or loose connections anywhere in the system. The successful bidder must ensure perfect workmanship & precaution, and must take proper work permit, shutdown clearance and other instructions from Engineer-In-Charge, daily before starting the work.
4. The bidder has to provide the resources like men, materials like working tools and tackles, welding machine, safety helmets, safety boots, hand gloves, and other safety appliances of general & special type.
5. BPSCL will provide spares like lamps, cables, contactors and chokes etc., required for the job.
6. Any defects in the electrical systems covered by the scope of job are to be traced, rectified & normalized by the agency within the time frame assigned by the engineer-in-charge of BPSCL.
7. Replacement / repair of defective parts are to be done by the agency & re-assembling is also to be done so as to normalize the affected devices promptly.
8. The portion of the job planned to be completed within a particular time frame of a particular day as directed by the engineer-in-charge of BPSCL, should not be delayed beyond the stipulated time schedule.
9. No job should suffer due to shortage of manpower. Any lapse on the part of the bidding agency to provide adequate manpower will be viewed seriously and if it results in loss of production, deduction of payment will be done.
10. Industrial waste & all types of scraps generated by the job are to be removed by the successful bidder to the dumping ground as directed by the engineer-in-charge.
11. The supervision & execution of all jobs and the safety of workmen will solely be the responsibility of the bidding agency. BPSCL will not be responsible in any way in case of any violation of safety or statutory rules, or any illegal / unworthy incident, major or minor, caused by the workmen employed by the successful bidder.
12. Workmen may have to be detained beyond normal working hours, or may have to be called at odd hours as per the requirement of the work & demand of the engineer-in-charge of BPSCL.
13. The work should be done strictly as per the scope of work.
14. **CONDITIONS FOR MANPOWER DEPLOYMENT:**
  - a) All workmen deployed for the work will have to follow and observed the safety & statutory requirements. They should attend safety training of BPSCL successfully.

- b) The contractors will have to ensure proper medical fitness of the employees employed by him and will produce medical fitness certificates for them from a registered medical practitioner prior to clearance for working at height.
- c) Proper use of safety appliances, personnel protection equipments (including safety helmet, hand gloves, safety goggles, safety shoes, full body harness, etc.), by the manpower deployed, should be ensured.
- d) The bidder has to comply with Labour laws, ESI Act, EPF rules, etc., applicable in the plant area.
- e) The bidder has to pay workmen as per circular / notification published by the State Government in regard to rates of payment of labour wages and its various elements like VDA, etc., in vogue. Nevertheless should there be any enhancement / increase in the rates of the same as circulated and notified by the State Government thereafter, the incremental amount due to enhanced rates shall be reimbursed to the bidder subject to production / submission of authenticated certification of the actual payment to the actual workmen deployed for the work under contract and certified by the agency as per the wages in the contract.
- f) The bidder has to pay an amount of Rs. 96.15 per day on actual attendance per month (not exceeding Rs. 2500.00 per month) to the workers engaged by them in the job, as Additional Welfare Amenity (AWA) as per the relevant circular / notification.

15. **GUARANTEE CLAUSE:** Workmanship of any particular portion of the job should be guaranteed for six (06) months after completion of the job. If any defect arises any where in the scope of the completed job, within the guarantee period under normal operational conditions, then the bidder is to redo the same job, free of costs.

16. **PENALTY CLAUSE:**

1. Delayed response to start any job will be penalized @ Rs. 500/- each time of such an occurrence.
2. A work, if started without proper permission (work-permit, duly issued by competent authority), will be penalized @ Rs. 200/- each time of such an occurrence.
3. Any case of non-removal of scrap generated after completion of job will be penalized @ Rs. 250/- each time of such an occurrence.
4. Any delay in completion of a portion of the job planned to be completed within a particular time frame of a particular day, resulting in loss of production, will be penalized @ Rs. 500/- each time of such an occurrence.
5. If the work is delayed beyond the contractual period, a penalty @ 1/2 % of the contractual value of the delayed portion of job per week of delay, subject to a maximum limit of 5% of the entire contractual value, will be deducted from the final payment.

17. **SAFETY CLAUSE:** Without prejudice to the right conferred by the clause for stoppage of work for violation of safety requirements, contractor shall be liable for penalties mentioned below:-

1. Up to Rs. 5000/- by DGM (Safety)/ Head of Safety Engg. Department / Head of the Department where work is being done for 1<sup>st</sup> violation of safety norms, non use of PPEs (Personal Protective Equipments) like safety shoes, hand gloves, safety helmets, goggles, etc as per works requirements by the contractor or his workers. This condition is applicable in case of violations of Road Safety norms also.
2. Fine up to Rs. 20,000/- on 2<sup>nd</sup> violation as mentioned in Safety Clause no. 1 above.

3. The contractor shall be debarred for one year / deregistered from taking up further contractual work in BPSCL from the date of issue of debarring / deregistering order on 3<sup>rd</sup> violation as mentioned in Safety Clause no. 1 above.
4. Fine up to Rs. 10,000/- for violation in use of Full Body Harness by the contractor or his workers for working at height (above 1.8 meters from immediate floor).
5. Fine Rs. 25,000/- (Minimum) to Rs. 50,000/- (Maximum) for serious injuries and disabilities caused by violations as mentioned in Safety Clause no. 1 & 4 above.
6. Independent of the above, contractor shall be fined Rs. 1,00,000/- (Rs. 1 Lakh) or more and debarred / deregistered from taking up further contractual work in BPSCL from the date of issue of debarring / deregistering order in case any fatal accident occurs due to violations as mentioned in Safety Clause no. 1 & 4 above.

**PRICE BID/ FORMAT****Special Instruction –**

1. *In the event of a L1 Bidder backing out prior to placement of order, in addition to forfeiture of EMD the bidder should be suspended for a period of six months from the date of issue of suspension order*
2. *Breakup of quoted unit LC (Landed Cost ) excluding service tax rate shall be submitted by the bidder. In case of refusal of bidder to submit price break up, the bidder shall be suspended for a period of six months from the date of issue of suspension order.*
3. **Price Basis L1 bidder will be decided on lowest Landed Cost excluding service tax Basis.**

**A. Maintenance of Illumination & other Enabling Facilities of WCTP Areas of TPP & CPP:**

Sl. No	Descriptions of Job	Qty. / Annum	Rate / unit / annum (Rs.)	Total Cost / annum (Rs.)
1.	Complete maintenance of lighting fixtures of 70W, 125W, 250W, 400W HPMV / HPSV Lamps, details given in scope of work.	210 Nos.		
2.	Complete maintenance of lighting fixtures of 100W, 200W, 300W, 500W, details given in scope of work.	100 Nos.		
3.	Complete maintenance of lighting fixtures of 40W, 20W fluorescent tube lamps, details given in scope of work.	120 Nos.		
4.	Complete maintenance of 220V & 24V socket supply system, details given in scope of work.	40 Nos.		
5.	Complete maintenance of welding supply posts including repair / replacement of switches, cables, details given in scope of work.	08 Nos.		
6.	Complete maintenance of Air Conditioner supply posts including repair / replacement of switches, details given in scope of work.	08 Nos.		
7.	Complete maintenance of various types of LT power & control cables, details given in scope of work	4000 Mtr.		
8.	Provision of LT power supply to various enabling facilities like compressors, grinding machines, details given in scope of work	Lot		
9.	Complete maintenance of exhaust fans, man cooler fans, air blowers, pedestal fans etc., details given in scope of work.	36 Nos.		
<b>Total Amount , Sub Total A :</b>				

**B. Maintenance of Illumination System & Enabling Facilities of Areas of Turbine 1, 2, 3 & 6, 7, 8 of Power Plant:**

Sl. No.	Description of Item	Qty. / Annum	Rate / unit / annum	Total Cost / annum (Rs.)
1.	Regular inspection, monitoring, repair & maintenance of 70W HPSV / 125W HPMV / 100W, 200W, 300W incandescent lamp, details given in scope of work, Annexure – I.	900 Nos.		
2.	Regular inspection, monitoring, repair & maintenance of 250W / 400W, HPSV / HPMV lamp fitting, details given in scope of work, Annexure – I.	200 Nos.		
3.	Regular inspection, monitoring, repair & maintenance of 220V socket system throughout turbines 1,2,3 & 6,7,8 details given in scope of work, Annexure – I.	504 Nos.		
4.	Regular inspection, monitoring, repair & maintenance of 24V socket system through out turbine 1,2,3 & 6,7,8 details given in scope of work, Annexure – I.	504 Nos.		
5.	Regular inspection, monitoring, repair & maintenance of welding posts details given in scope of work, Annexure – I.	48 Nos.		
6.	Regular inspection, monitoring, repair & maintenance of lighting distribution boards, details given in scope of work, Annexure – I.	48 Nos.		
7.	Regular inspection, monitoring, repair & maintenance of Highway lighting fixtures, details given in scope of work, Annexure – I.	280 Nos.		
8.	Regular inspection, checking, dressing, clamping, tagging details given in scope of work, Annexure – I.	600 Mtr.		
9.	Regular inspection, monitoring, repair & maintenance of highway lighting Junction Box, details given in scope of work, Annexure – I.	280 Nos.		
10.	Regular inspection, checking, dressing, clamping, tagging & marking of cables, details given in scope of work, Annexure – I.	1400 Mtr.		
11.	Regular inspection, checking, dressing, clamping, tagging & marking of cables, details given in scope of work, Annexure – I.	400 Mtr.		
12.	Regular inspection, checking, monitoring, testing & marking of GI Pipe of 40mm dia, including shifting of materials.	80 Nos.		
13.	Regular inspection, checking, monitoring, testing & marking of GI pipe, details given in scope of work, Annexure – I.	75 Nos.		
14.	Provision of Power supply to various enabling facilities like welding machines, grinder machines, (During various Preventive Maintenance works of TG 1, 2, 3 & 6, 7, 8). details given in scope of work, Annexure – I.	71 Nos. P/M.		
15.	Provision of Power supply to various enabling	2 Nos.		

	facilities like welding machines, grinder machines, (During Medium Repair of TG 1,2,3 & 6,7,8), details given in scope of work, Annexure – I.	M/R		
16.	Provision of Power supply to various enabling facilities like welding machines, grinding machines, (During Breakdown Repair of TG 1, 2, 3 & 6, 7, 8), details given in scope of work, Annexure – I.	3 Nos. B/D		
<b>Total Amount, Sub Total B :</b>				

**C. Maintenance of Lighting of Control Rooms, MCC Rooms, 11KV, 6.6KV & LT Switchgear Halls, Site Offices & Welfare Building No. 1 & 2, and Lighting Cables, Trays & Racks of Boilers of Power Plant:**

Sl. No.	Description of Item	Qty. / Annum	Rate / unit / annum	Total Cost / annum (Rs.)
1.	Maintenance of complete illumination systems, devices, fixtures & 24V / 220V Socket supply systems, details given in scope of work, Annexure – I.	6 Nos. of control rooms.		
2.	Maintenance of complete illumination systems, devices, fixtures & 24V / 220V Socket supply systems details given in scope of work, Annexure – I.	17 Nos. of rooms, halls & areas.		
3.	Maintenance of cables, trays and racks of 8 M, 10 M, & 13 M levels of all Boilers of TPP & CPP, details given in scope of work, Annexure – I.	369 Sq. M.		
<b>Total Amount Sub Total C</b>				

**D. Maintenance of Tower Lights, Road Lights & Area Lights of Power Plant:**

Sl. No.	Description of Job	Qty. / Annum	Rate / unit / annum	Total Cost / annum (Rs.)
1.	Complete maintenance of tower lights of railway track & other tower lights in CHP area, details given in scope of work, Annexure – I.	126 Nos.		
2.	Complete maintenance of tower lights of switchyard, details given in scope of work, Annexure – I.	160 Nos.		
3.	Complete maintenance of switches including repair /replacement of defective switches, details given in scope of work, Annexure – I.	15 Nos.		
4.	Complete maintenance of cables & termination (including replacement of damaged cables, details given in scope of work, Annexure – I. (1) Cable Size: 4 x 16sq. mm.	551 Mtr.		
	(2) Cable Size: 4 x 25 sq. mm.	2000 Mtr.		
5.	Complete maintenance of distribution boards at the top of towers including repair /replacement of defective parts, fixing, connection, disconnection,	15 Nos.		

	etc.			
6.	Maintenance of cables (including replacement of damaged cables, if required) along / across the road for tubular lighting pole fittings.	500 Mtr.		
7.	Complete maintenance of road light fittings of tubular poles, repair / replacement of defective parts of fixtures, details given in scope of work, Annexure – I.	48 Nos.		
8.	Complete maintenance of loop in loop out box at the bottom of tubular road lighting pole, details given in scope of work, Annexure – I.	48 Nos.		
9.	Complete maintenance of road light fittings of straight poles, repair / replacement of defective parts of fixtures, details given in scope of work, Annexure – I.	82 Nos.		
10.	Complete maintenance of area light fixtures (comprising of areas adjacent to Welfare Building, TG Hall-TPP, Electrical Stores, MCB, details given in scope of work, Annexure – I.	40 Nos.		
11.	Complete maintenance of 70 W HPSV area light fittings including electric circuit connection, disconnection, earthing, details given in scope of work, Annexure – I.	40 Nos.		
<b>Total Amount , Sub Total D :</b>				

**E. Maintenance of Welding Machines of TPP & CPP:**

Sl. No.	Description of Job	Qty. / Annum	Rate / unit / annum	Total Cost / annum (Rs.)
Maintenance of Welding MG sets, or, Welding Transformer sets of TPP & CPP (belonging to BPSCL), as per the following details:				
(a)	WG Set, Supergen – 320, Ador make: Out-put voltage 100V, Out-put Amp 35 to 320A, Input voltage 440V, 3Phase, 50 Hz.	04 Nos.		
(b)	WG Set, Kirloskar make: Out-put voltage 100V, Out-put Amp 70 to 450A, Input voltage 415V, 3Phase, 50 Hz.	05 Nos.		
(c)	WT Set, Double holder type with Rectifier, MEMCO make, Out-put voltage 80V, Out-put Amp 10 to 400A, Input voltage 440V, 3Phase, 50 Hz.	03 Nos.		
(d)	WT Set, Fabricated from old spares, Out-put voltage 80V, Out-put Amp 300A, Input voltage 415V, 2Phase, 50Hz.	03 Nos.		
(e)	WG Set, Kirloskar make: Out-put voltage 85V, Out-put Amp 45 to 320A, Input voltage 440V, 3Phase, 50 Hz.	03 Nos.		
(f)	WT Set with Rectifier, Ador make Out-put voltage 80 to 100V, Out-put Amp 60 to 600A, Input voltage 440V, 3Phase, 50 Hz.	02 Nos.		
(g)	WT Set, BERCO make Out-put voltage 80V, Out-put Amp 60 to 400A, Input voltage 415V, 2Phase, 50 Hz.	03 Nos.		
(h)	WT Set, Oil cooled, Indare make, Out-put voltage 100V, Out-put Amp 600A, input voltage 415V,	10 Nos.		

	2Phase, 50 Hz.			
(i)	WT Set, Double Horse, Out-put voltage 80V, Out-put Amp 60 to 400A, Input voltage 415V, 2Phase, 50 Hz.	04 Nos.		
(j)	WT Set, with Rectifier, MEMCO make, Out-put voltage 80V, Out-put Amp 30 to 400A, Input voltage 440V, 3Phase, 50 Hz.	02 Nos.		
(k)	WT Set, Philips make, Out-put voltage 80V, Out-put Amp 300A, Input voltage 415V, 2Phase, 50Hz.	02 Nos.		
<b>Total Amount for one year, Sub Total E (Rs.):</b>				

#### F. Maintenance of Illumination & Enabling Facilities of Boilers 1 to 5:

Sl. No.	Description of Job	Qty. / Annum	Rate / unit / annum	Total Cost / annum (Rs.)
1.	Complete maintenance of 70W HPSV / 125W HPMV / 100W, 200W, 300W incandescent lamp fittings comprising of replacement of defective lamps, chokes, igniters, complete sets, cable termination, disconnection, attending various defects of these & associated power points, electric circuits, etc.	3500 Nos.		
2.	Complete maintenance of 250W / 400W, HPSV / HPMV incandescent lamp fittings comprising of replacement of lamp, chokes, igniters, complete sets, cable termination, disconnection, attending various defects of these & associated power points, electric circuits, etc.	600 Nos.		
3.	Complete maintenance of lighting supply distribution boards, miniature circuit breakers and switches (three phase & single phase), from 100 Amp to 5 Amp ratings, comprising of repair / rectification / replacement of switches, connection, disconnection of cables, attending various defects of these & associated power points, electric circuits, etc.	2200 Nos.		
4.	Complete maintenance of welding points comprising of fabrication / repair of supporting stand for switches, repair / replacement of switches, connection /disconnection of cables, attending various defects of these & associated power points, electric circuits, etc.	60 Nos.		
5.	Complete maintenance of power lighting cables, proper dressing & clamping of cables including relaying of damaged / burnt cables.			
	(a) 4 x 6 sq. mm. / 4 x 10 sq. mm. armoured cables.	2000 Mtr.		
	(b) 3 ½ x 70 sq. mm armoured cables.	120 Mtr.		
	(c) 3 ½ x 120 sq. mm armoured cables.	300 Mtr.		
6.	Complete maintenance of 220V socket system throughout the boilers 1 to 5 including repair / replacement of switches, sockets, cables, termination, disconnection, attending various defects of these & associated power points, etc.	360 Nos.		

7.	Complete maintenance of 24V socket system throughout the boilers 1 to 5 including repair / replacement of switches, sockets, cables, termination, disconnection, attending various defects of these & associated power points, etc.	360 Nos.		
8.	Provision of power supply to grinding machines, compressors, & other machines facilities and provision of additional 220V, 24V hand lamps & socket points, including connection, disconnection, earthing, etc., complete, during minor repairs like preventive maintenance (other than C/R, M/R & B/D repair) works anywhere in boiler 1 to 5 areas.	As per actual requirement		
9.	Provision of power supply to grinding machines, compressors & other machines / facilities, and provision of additional 220V, 24V hand lamps & socket points, including connection, disconnection, earthing, etc., complete, anywhere in boiler 1 to 5 areas, during capital repairs of boilers.	As per actual requirement		
10.	Provision of power supply to grinding machines, compressors & other machines / facilities, and provision of additional 220V, 24V hand lamps & socket points, including connection, disconnection, earthing, etc., complete, anywhere in boiler 1 to 5 areas, during medium repairs (duration two days or more) of boilers.	As per actual requirement		
11.	Provision of power supply to grinding machines, compressors & other machines / facilities, and provision of additional 220V, 24V hand lamps & socket points (during breakdown repairs anywhere in boilers 1 to 5).	As per actual requirement		
12.	Shifting of all materials required for the job, like light fixtures, transformers, MCB's, cables, etc, to the site, and back to stores for safe keeping after use.	Lump sum		
13.	Marking of the supply points (LDB's) for illumination, 220V, 24V socket points, welding posts, power points for permanently connected enabling facilities, associated cables, etc, for easy identification.	Lump sum		
<b>Total Amount, Sub Total F</b>				
<b>Grand Total, Sub Total A + B + C + D + E + F</b>				
<b>Rupees .....only</b>				

**Note : Service Tax extra as applicable**

Signature with seal of tenderer

**Notarized Affidavit**

I.....son/daughter of Shri .....  
Aged..... years resident of  
.....PS.....District.....State.....do  
hereby solemnly affirm that:

- (i) I am ..... (designation/authority) in M/s .....  
(name of the firm/company).
- (ii) I confirm that all documents submitted against Enquiry No. .... dtd.  
..... in support of eligibility criteria are genuine.
- (iii) I undertake to produce all documents in original for verification as and when asked for  
the same by BPSCL.

Solemnly affirmed & declared before me by Deponent(s) who is/are identified by .....	The declaration made herein above are true to the best of our knowledge, information and belief  signed ..... at .....On.....  Deponent(s)
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## ANNEXURE - VII

**CHECKLIST TO BE FILLED BY CONTRACTOR EXCEPT REMARKS:-** All documents which is require for fulfill the qualifying requirement/ Eligibility criteria are to be submitted along with tender in serial order (clearly mention page no.) and the tenderer must fill the checklist of Annexure-V

### **CHECKLIST 1- OF DOCUMENT SUBMITTED BY TENDERER**

Sl.No.	Document	Submit/ Not Submitted	Page No.	Remarks by BPSCL
1.	Valid work order			
2.	Completion Certificate			
3.	Partnership/ Proprietor			
4.	EPF			
5.	ESI			
6.	Latest ITR			
7.	* Service Tax Regn. No.			
8.	Turnover/ PL Sheet			
*If the agency is not under the preview of service tax then please write Not applicable (N.A.).				
<b>Total numbers of pages in Techno-commercial Bid</b>				

### **CHECKLIST-2 [PLEASE TICK (√) THE ONE WHICH IS APPLICABLE AND CUT (X) ANOTHER]**

1.	All document as per NIT and Checklist 1	Submitted ( ) Not submitted ( )
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### **DECLARATION OF TENDERER:-**

*I M/s ..... hereby declare that to best of my knowledge, the information given in the checklist is correct and complete, if any mistake/ incorrect statement will be found then you have right to reject and cancel (my) tender/application without any notice. I also hereby declare that I have read the all terms and conditions of tender document carefully.*

**Signature of tenderer with seal**

(To be submitted on Supplier's Letter Head)

**Format for Acceptance of General Terms & Conditions, Commercial Terms and all other Terms of the Reverse Auction**

We \_\_\_\_\_ (Contractor Name)  
having registered office at \_\_\_\_\_ (Address)  
agree to all the Commercial, General & other Terms & Conditions listed in the  
NIT No. \_\_\_\_\_  
dated \_\_\_\_\_  
for the work of \_\_\_\_\_ (subject work) through Reverse Auction.

We confirm that we are in a position to do the job as per the scope of work given in NIT/RFQ. We agree to participate in the Reverse Auction and abide by the rules.

We nominate an executive, whose details are given below, to put the bids on our behalf.

The details of the person authorized to bid on our behalf is as follows.

Name & Designation :  
E-mail ID :  
Contact phone nos. :  
Address :

(Signature & Seal)

Place :  
Date :

**Format for submitting last quoted prices**

*(To be submitted on Company Letter Head of the Bidder)*

**(To be sent within 30 mins of conclusion of the Reverse Auction)**

To,

mjunction services limited  
1<sup>st</sup> Floor, Tata Centre  
43, Jawaharlal Nehru Road  
Kolkata – 700 071

**Fax: 033 – 2288 3279**

**Ref: Reverse Auction for .....for Bokaro Power Supply Co. (P) Ltd. held on .....**

Reference above, we hereby confirm our Market wise last quoted prices in the Reverse Auction held on ..... for .....for Bokaro Power Supply Co. (P) Ltd., Bokaro Steel City.

Market No.	Last Quoted Price

We also confirm that we will submit item wise price break-up, within two working days from the date of Reverse Auction.

Signature :

Name :

Designation :

Date :

**ENVIRONMENT, HEALTH AND SAFETY****EHS (Environment, Health and Safety) Clause for contracts where overall site is under BPSCL control****Contractor's Responsibilities**

The contractor shall during the entire term of contract undertake to perform the following obligations relating to environment, health and safety:-

1. Ensure that your workforce is not exposed to asbestos or asbestos containing atmosphere.
2. Take suitable control measures to ensure that the workers are protected from dust emission.
3. Monitor and ensure that the working area is free from any toxic gas, vapour and fume. Take adequate measures to reduce level of concentration below permissible limit. Exposure to any particular toxic gas, vapour or fume shall not exceed the maximum permissible limit prescribed in local regulation for any particular period of time. Ensure adequate ventilation and no immediate danger to life and health of personnel working at site.
4. Ensure that there is no flammable atmosphere and uncontrolled fire hazard in and around the work place. In case it is required to work in flammable atmosphere, implement safe working procedure and suitable control measures in order to work safely.
5. Ensure that the workers are protected from excessive noise and heat. Take adequate measures to reduce noise/heat level below the permissible limit.
6. Ensure safe access and egress in and around work place. Ensure proper maintenance of Platforms, staircases, ramps etc. Special care and all safety measures should be taken while working at height. Roof work and access to roofs must not be undertaken without prior permit.
7. All Personal Protection Equipments supplied by the contractor should be of internationally recognized standards. All tools and tackles bought by the contractor for use during the contract period should have proper and valid certification by competent authority.
8. All lifting equipments, tools and accessories provided by BPSCL should be maintained and returned back in sound condition after the completion of contract period.
9. Ensure that the illumination in and around workplace and access areas are maintained properly. Make sure to switch off the light, fan and air conditioners after use.
10. The contractor must ensure that all machinery and equipments are provided with earth fault circuit breakers at all times when using electrical leads. Use of electrical tape for temporary repair is prohibited.
11. Guards and covers for equipments/machineries are to be provided where ever necessary.
12. Gas cylinders shall be securely stored, transported, identified and used in line with legislation and EHS requirements.
13. Fire extinguishers and other fire fighting equipments provided in different locations should never be misused.
14. Contractor must ensure optimum use of water with minimum wastage.
15. Contractor shall also ensure that the work area is kept clean, tidy, & free from debris. The contractor is also fully responsible for protection of ground and underground from pollution.
16. Identify and highlight potential hazards / risks existing.
17. Ensure suitable corrective actions are implemented for identified issues.
18. Provide adequate emergency and first-aid facilities and it should be available in all shifts.
19. All workers should be trained and communicated about the onsite emergency and evacuation plan.
20. All equipments and plant should be maintained in safe condition.
21. The Contractor and their Personnel admitted to site must conduct themselves in an orderly and safe manner and conform at all times to the EHS Requirements. Fighting, engaging in horseplay, being under the influence of or possessing alcohol or drugs, gambling, soliciting, stealing, immoral or otherwise undesirable conduct is not permitted and shall not be tolerated. Upon knowledge of such conduct, BPSCL shall exclude the concerned person from the site and take all other appropriate measures as deemed necessary. BPSCL reserves the right to perform random drug and alcohol tests.
22. The Contractor shall immediately notify BPSCL of any environmental incident, injury, illness, near-miss, unsafe condition or practice and any loss or damage to property, including incidents related to the Contractor Personnel. An investigation report assessing the root cause, corrective action, and preventative action shall be submitted by the Contractor to BPSCL within 24-hours of the incident's occurrence.