

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

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

**Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi – 110 003  
CIN:U40300DL2001PTC112074**

**TENDER NOTICE NO.: BPSCL/MM/19-20/C-137/NIT-853/3934  
Dated 04/12/2019**



## **TENDER DOCUMENT**

**NAME OF WORK:**Annual Maintenance Contract of ESP and Ash Handling System including Dredge Pump House - 2 of CPP Boilers.

**COST: Rs. 1,180/-  
(Rupees One Thousand One Hundred Eighty only)**

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# Bokaro Power Supply Co. (P) Ltd.

(A Joint Venture of SAIL & DVC)  
Hall No: - M-01, Old Administrative Building,  
Ispat Bhavan, Bokaro Steel City – 827001  
Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi – 110 003  
CIN:U40300DL2001PTC112074

## NOTICE INVITING TENDER

**NIT No. : BPSCL/MM/19-20/C-137/NIT-853/3934**

**Date: 04/12/2019**

For and on behalf of BOKARO POWER SUPPLY COMPANY (P) LTD, sealed tenders in two parts, **Part - A :** Cost of Tender document & EMD, **Part - B :** Technical & Commercial Offer with copy of system generated acknowledgement-slip for online submission of sealed price are invited from the bidders meeting the eligibility and qualification criteria stipulated in the bidding documents for the following work at our Power Plant.

Description of Work	Annual Maintenance Contract of ESP and Ash Handling System including Dredge Pump House - 2 of CPP Boilers.
Estimated Cost (in Indian Rs.)	<b>Rs. 93,59,545.00</b> (Rupees Ninety Three Lakhs Fifty Nine Thousand Five Hundred Forty Five Only) Excluding GST.
Earnest Money (in Indian Rs.)	<b>Rs. 1,00,000.00</b> (Rupees One Lakh) only
Cost of Tender Document (Non-refundable) (in Indian Rs.)	<b>Rs. 1,180.00</b> (Rupees One Thousand One Hundred Eighty) only <i>including GST @ 18%</i>
Period of Contract	<b>One (01) Year</b> from the date of commencement of work.
Last Date & Time of submission of Tender	<b>03/01/2020 at 12:00 Hrs. (IST)</b>
Bid opening Date & Time	<b>03/01/2020 at 12:15 Hrs.</b>

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

- The bidder shall have valid ISO 9001 certification as on bid opening date.
- Bidder should have Minimum average annual turnover (MAT) of **Rs. 28.07 Lakhs**.
  - Average annual turnover shall be determined taking into consideration turnover of 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 last three (03) consecutive years, ending 31st March of the previous financial year duly certified by CA.
- Bidder should have experience of having completed **similar work** in India 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 offers are invited.  
Value of such order shall be either of the following:

a. Three similar completed works each costing not less than to **Rs. 37.43 Lakhs**

**OR**

b. Two similar completed works each costing not less than to **Rs. 46.79 Lakhs**

**OR**

c. One similar completed work costing not less than to **Rs. 74.87 Lakhs**

**Similar Work means:** *Work order/orders, which include Annual maintenance of ESP and Ash handling system. The credentials of bidders having experience of carrying out Annual maintenance of ESP and Ash handling system even in separate work orders will be considered. In case of separate work orders the total contract value of both such orders will be clubbed for assessing contract value as per 3(a), 3(b) & 3(c).*

- 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.)
- In support of their eligibility and experience, the bidder 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 a self declaration as per format at **Annexure-VI**.

5. Bidding through consortium is not allowed.
6. The bidder shall submit self certified copies of following:
- IT Return (*Latest*)
  - EPF Certificate
  - ESI Certificate
  - Valid Electrical License or proof of application for renewal of the same.
  - Partnership Deed/ Affidavit for Proprietorship/ Memorandum & Articles of Association, including changes in the Constitution of the Firm,(if any)
  - GST registration certificate

*The bidder is also required to submit duly filled Annexure VIII.*

**General Terms & Conditions:**

- i) Offer shall be accompanied with Cost of the tender documents in the form 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.
- ii) Offer shall be accompanied with Earnest Money Deposit (EMD) in the form 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.com](http://www.bpscl.com)

*In case of forfeiture of EMD by BPSCL the bidder is required to re-imburse the applicable GST to BPSCL.*

- iii) However, Micro & small enterprises (MSEs) / PSU /Govt. Undertakings and Co-operative societies will be exempted from submission of cost of tender document & Earnest Money as per government policy. For MSEs the exemption from paying cost of tender document & Earnest Money will be granted only on submission of valid copy of certificate having a valid Entrepreneurs Memorandum (EM) number / Udyog Adhaar Memorandum (whichever applicable). SSI/NSIC certificate holders should also submit Entrepreneurs Memorandum / Udyog Adhaar Memorandum (whichever applicable). However unit claiming exemption is required to submit copy of registration certificate indicating clearly the item category for which they are registered.
- iv) **Offers not accompanied with Cost of Tender Document (as per clause i) or Earnest Money Deposit (EMD) (as per clause ii) or documents for exemption (as per clause iii) will be treated as INVALID.**
- v) **BPSCL reserves the right to :**
- a) Re-tender / extend the due date of submission of offer.
  - b) Accept or reject any offer / all offers in full or part at any time at any stage without assigning any reasons and without any compensation thereof to the bidders.
  - c) Modify the tender documents at any stage before the due date of tender.

**Note:**

1. Tender documents are to be downloaded from **Website: www.bpscl.com** only.
2. Bidders are requested to visit above 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

(V Agrawal)  
Chief GM (MM)  
Tel: 8986874118  
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 02 parts as follows:-

- a) **Part A:** This part Comprises of Cost of Tender document & EMD.
- b) **Part B:** This part Comprises of Technical and Commercial details, consent on terms & conditions of NIT/ signed Tender Document along with copy of SYSTEM GENERATED **ACKNOWLEDGEMENT-SLIP FOR ONLINE SUBMISSION OF SEALED PRICE\*** bid etc.

Sealed Tender *through Regd. Post/Speed Post/In-person/Courier Service* only, in an envelope containing 02 (Two) separate sealed envelopes (*as mentioned above*) with NIT No. & date of opening along with Sender's Name & Address printed on it, is to be sent to the below mentioned address:

Chief General Manager (MM)  
Bokaro Power Supply Co. (P) Ltd.  
Hall No.M-01, Old ADM Building  
Ispat Bhawan, Bokaro Steel City – 827001  
Ph: 06452 240380, Mob: 8986874118

**\* PROCESS FOR ONLINE SUBMISSION OF SEALED PRICE :**

1. Online sealed Price Bid (% above / % below) 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 3: Click on **View Live Auctions and Tenders**.

Step 4: In the right side open/ global tenders link will be displayed.

Step 5: Click on the link for the above mentioned tender link present under Open tenders

Step 6: 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 menu available before proceeding further (where ever applicable).

**New Users:**

Steps to get your **User ID** 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 ID and Password.
5. Changing of password on first login is compulsory.
6. On receipt of the User ID 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 id 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:** For any clarification on the bidding process please contact

Mr. Anjan Buda- 9163348263- [anjan.buda@mjunction.in](mailto:anjan.buda@mjunction.in)

Mr. Kaushik Roy \_ 9836447044\_ [Roy.Kaushik@mjunction.in](mailto:Roy.Kaushik@mjunction.in)

Ms. Debalina Maity \_ 8336991451\_ [Maity.Debalina@mjunction.in](mailto:Maity.Debalina@mjunction.in)

**Mr. Anshu Verma – 8873002772 - [anshu.verma@mjunction.in](mailto:anshu.verma@mjunction.in)**

**Mr. Mukesh Kumar Singh- 8873002741 – [mukesh.singh@mjunction](mailto:mukesh.singh@mjunction) } for Bokaro Office**

A copy of System generated **acknowledgement-slip** for Online submission of sealed price bid is to be submitted along with Techno-commercial Bid.

## **1.02 Tender Validity Period**

Validity of the offer shall be **Four (04) months** from the bid opening date. In case of extension of "Bid submission Date", the validity will be counted from the extended bid opening date.

## **1.03 General Instructions:**

- i) Bidder will quote price in any of the two options given below:

**Percentage ABOVE with respect to Total Estimated Cost excluding GST**  
**OR**

**Percentage BELOW with respect to Total Estimated Cost excluding GST**

- a) If the bidder does not quote price in terms of percentage or quotes in more than one option, their offer will be rejected.
  - b) In the tender schedule at the place where the bidder has to quote PERCENTAGE, ‘**above**’ will mean mathematically **positive** and ‘**below**’ will mean **negative**.
  - c) The Lowest-1 (L-1) Bidder will be the one whose PERCENTAGE is mathematically lowest and all other Bidders will be ranked/termed as Lowest-2 (L-2), Lowest-3 (L-3) and so on, in the increasing order of PERCENTAGE quoted by them.
- ii) Tenderer’s are requested to visit site for actual assessment of the job before submission of their offer.
  - iii) Tenderer shall clearly indicate that their prices are firm in all respect till execution of the work order.
  - iv) Any conditional offer or offer having deviations is liable to be rejected.
  - v) You have to submit Tender document bearing your signature and seal on all the pages along with Techno-Commercial Offer / consent on NIT’s Terms & Condition otherwise, it will be presumed that you do not accept our terms and conditions and this may lead to rejection of your offer forfeiting your claims if any.
- Bidders are advised to mention page no. on each page of documents submitted by them. BPSCL shall not bear any responsibility in case of any reported loss of documents submitted by the bidder during tender opening or thereafter.
- vi) 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.
  - vii) Price or any indication of price shall **NOT** be mentioned in the Techno-Commercial Bid.
  - viii) The sealed tenders received will be opened on scheduled opening date and time in the office of Purchase & Contract, in presence of such bidders who might choose to witness the same
  - ix) 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.
  - x) Communication regarding date of Opening of Price-Bid shall be displayed on the Notice board of Purchase & Contract and individual communication to the techno-commercially eligible bidders will be sent only to their e-mail address given in tender documents.
  - xi) Offers from two or more bidders shall summarily be rejected if they have any of the following parameters common:
    - a) Same PAN
    - b) Same GST Number
    - c) Same Postal address
    - d) Same E-mail ID
    - e) Same Mobile number
    - f) Same person signing in more than one offer/representing more than one bidder.
  - xii) BPSCL reserves the right either to reject any/all the tenders without assigning any reason thereof.

**GENERAL TERMS AND CONDITIONS**

- 1.01 You will have to follow and observe the safety & statutory requirements.
- 1.02 You will have to fully be responsible for any sort of unsafe activity of your workmen. All working personnel should have proper safety certificates issued by BPSCL before start of work.
- 1.03 Bidder will produce medical fitness certificate for his workers. Height passes to be obtained from safety department, if required.
- 1.04 Supervision of the work has to be carried out by the agency.
- 1.05 Work is to be carried out as per work order.
- 1.06 In case any of the documents/information submitted by the bidder(s) is/are found to be false or containing any misrepresentation or having any fraudulent declaration in it, then, in such eventuality EMD will be forfeited and legal action (including cancellation of contract, banning of business dealing, criminal proceedings etc.) as deemed fit, may be initiated by BPSCL against the bidder.
- 1.07 If any tenderer withdraws his bid after opening of bids without giving any satisfactory and acceptable explanation thereof, the tenderer shall be disqualified for making any tender of BPSCL for a minimum period of six months and the Earnest Money will be forfeited.

1.08 **Payment Terms :**

90 % of contract value will be paid on pro-rata basis duly certified by Engineer In-Charge and balance 10% will be retained as security deposit which will be released after satisfactory execution of order.

The expression satisfactory execution of the order shall mean fulfillment of all obligation arising out of and in connection with the contract. In case of default in satisfactory execution of the order the security deposit shall be forfeited.

Amount of penalty and/or Liquidated Damages imposed (if any) will be recovered from Bill / Security Deposit. If the amount of Bill / Security Deposit is not sufficient, the bidder will be required to pay the balance amount to BPSCL. If the bidder doesn't pay the balance amount, the same 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.

- 1.09 You will have to strictly adhere to the provision of various labour laws including payment of bonus Act 1965.
- 1.10 You will have to pay Rs.4/- extra to the working persons above minimum wage of one day, as per BPSCL rules.
- 1.11 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.
- 1.12 Paying authority –In - charge (F&A), BPSCL.
- 1.13 By accepting the order you are understood to have accepted all responsibilities for completing the work in all respect.

1.14 **GST Related Clauses :**

- a. All bidders should quote GST as extra. If not mentioned, same will be taken as extra.
- b. Bidders have to submit their GSTIN registration details to BPSCL along with supporting documents.

1.	<b>GSTIN</b>	
2.	Service Accounting Code No.	
3.	Applicable GST Rate	
	CGST (in %)	



	SGST (in %)	
	IGST (in %)	

- c. Bidder will pass on the tax benefit/savings, if any, on account of output taxes to BPSCL.
- d. Bidder shall agree to do all things not limited to providing GST invoices or other documentation as per GST Law relating to the above Services, payment of taxes, timely filing of valid statutory returns for the tax period on the Goods and Service Tax Portal etc. that may be necessary to match the invoice on GSTN common portal and enable BPSCL to claim input tax credit in relation to any GST payable under this agreement or in respect of any part under this agreement.
- e. In case the Input Tax Credit of GST is denied or demand is recovered from BPSCL on account of any non-compliance by the Supplier/ Contractor, including non-payment of GST charged and recovered, the Supplier/ Contractor shall indemnify BPSCL in respect of all claims of tax, penalty and/or interest, loss, damage, costs, expenses and liability that may arise due to such non-compliance. Further, in case of any differential tax liability on account of any wrong classification/valuation etc. by the vendor, BPSCL will not be liable to reimburse any part of such differential tax, interest, penalty etc. It will be the sole responsibility of the vendor to discharge appropriate taxes, as applicable.
- f. Supplier/ Contractor shall maintain high GST compliance rating track record at any given point of time.

1.15 **Work accident :**

- a. You will be responsible for the safety of the workers employed by you. In the event of any work-accident, major or minor, you/your representative must take care of the injured person immediately and provide him the required treatment as suggested by the doctor. If you/your representative are not available for medical care, the injured worker will be treated in Bokaro General Hospital and the cost of treatment will be recovered from you.
- b. You shall be fully responsible for making payment of compensation to your 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

1.16 **SUBMISSION OF PERFORMANCE GUARANTEE BOND FOR QUOTING UNWORKABLE RATE:**

If a bidder quotes unworkable rates i.e. if the quoted price is less than **90%** of the estimated price and is considered for placement of order, the party will be asked to justify the rate quoted. On non acceptance of justification / refusal of the same, the bidder will be asked to furnish 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 equal to the difference between **90%** of estimated price and quoted price of the bidder. Earnest Money of the bidders 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.

*In case of forfeiture of Performance Guarantee Bond the contractor is required to re-imburse the applicable GST to BPSCL.*

- 1.17 **AWA CLAUSE:** The contractor shall have to pay an amount of Rs 96.15 per day on actual attendance per month (not exceeding Rs 2500/month) to the worker engaged by you in this job as additional welfare amenity (AWA) as per relevant circular/notification of BPSCL and you are requested to include the amount against AWA in your quoted rate, submit the offer accordingly.

- 1.18 **FORCE MAJEURE :** Bidder 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 without imposition of Liquidated Damages at the option of owner.

- 1.19 **Banning of Business Dealings:** On arising of any situation or occurrence of any event as mentioned in Clause 6 of the Guidelines on Banning of Business Dealings, the tenderer/bidder or supplier under the tendering process or contract with BPSCL, as the case may be, shall be liable for action under and in accordance with the aforementioned Guidelines. The “Guidelines on Banning of Business Dealings” shall form part of the Tender/Contract.

1.20 **Handling of Earnest Money:**

- 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.

- The amount of Earnest money may be adjusted against Security Deposit only in case of successful Tenderer.

- 1.21 **RISK AND COST:** Failure on Contractor's part to start the work within reasonable time/ the progress of the job is poor/ for any breach of contract will entail termination of the Contract. In such an event, the job will be executed at the risk and cost of the Contractor by alternative arrangements.
- 1.22 **SAFETY CLAUSE:** Without prejudice to the right conferred by the clause above for stoppage of work for violation of safety requirements, you shall be liable for penalties mentioned below:
- Upto 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 norm, non use of PPEs(Personal Protective Equipments ) like safety shoes, hand gloves, safety helmets, goggles etc as per work requirements by you or your workers. This condition is applicable in case of violations of Road Safety norms also.
  - Fine upto Rs. 20,000/- on 2<sup>nd</sup> Violation as mentioned in clause (i) above.
  - You 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 clause no (i) above.
  - Fine upto Rs. 10,000/- for violation in use of Full Body Harness by you or your worker for working at height (above 1.8 meter from immediate floor).
  - Fine Rs. 25,000/- (minimum) to Rs. 50,000/- (Maximum) for serious injuries and disabilities caused by violations as mentioned in Clause No. (i) and (iv) above.
  - Independent of the above, you shall be fined Rs. 1,00,000/- (1 Lakh) or more and debarred / deregistered from taking up further contractual work in BPSCL from the date of issue of debarring / deregistering the order in case any Fatal accident occurs due to violations as mentioned in Clause (i) and (iv) above.

*Note: In case penalty is imposed then the successful bidder has to re-imburse the applicable GST to BPSCL*

- 1.23 **RATE FINALIZATION:** BPSCL reserves the right to finalize the rate through either of the following modes:
- Opening of Online Price (*submitted on [www.buyjunction.in](http://www.buyjunction.in)*) submitted at the time of techno-commercial bid.
  - Through Reverse Auction to be conducted by our service provider **M/s. mjunction.**
  - Where it is decided not to conduct the RA, the techno-commercially accepted bidders may be asked to submit decrement in percentage (%) on their price submitted at the time of techno-commercial bid. In this case – On line price bid and % decrement shall be considered together to finalize the rate.
- 1.24 **VDA Clause:** During operation of the contract, if there is an upward revision of minimum wage, VDA by the appropriate Government, the contractor shall be entitled to reimbursement of such additional amount (*wherever applicable*) on actual basis subject to production of documentary evidence. The base date shall be Bid Opening Date or RA Date or Revised Offer Date (in case of negotiated prices), whichever is later.

**Scope of Work:****A. PART: A- Annual Operation and maintenance of ESP**  
-----**1. Work under Operational Activities of ESP-**

- i) Draining of hoppers.
- ii) Removal of choking of hoppers.
- iii) Startup/ stopping of Ash handling pumps and compressor.
- iv) Maintaining logbook for recording shift activities & parameter.
- v) Charging & isolation of fields.
- vi) Coordination with Boiler operation
- vii) Manpower must be available in all three shifts.

**2. Work under Maintenance Activities of ESP**

- i) Routine Inspection and Maintenance including short shutdown.
- ii) Daily Inspection & Maintenance of ESP with Ash handling system.
- iii) Maintaining Inspection log book.
- iv) Regular/routine draining of hopper and removal of any foreign material from the hopper.
- v) Repair, maintenance (*daily & preventive*), replacement of damaged items/spares of ESP and Ash Handling System (*including electrical equipment/ transformer, but excluding repair/calibration of instrumentation*) to maintain outlet emission below 100 mg/Nm<sup>3</sup>.
- vi) During routine maintenance, repair, replacement and alignment of following items shall be carried out as required:
  - i. Collecting electrodes.
  - ii. Emitting electrode
  - iii. Shock Bar and accessories.
  - iv. Hammer assembly of collecting & emitting electrodes.
  - v. Collecting and emitting rapping shaft with bearing and all accessories.
  - vi. G.D Screen at inlet and outlet of ESP.
  - vii. Hopper Heater & Insulator Heater.
  - viii. Thermostat, Earthing Rod, Rapping programmer.
  - ix. Dust level switch with probe.
  - x. Geared Motor for collecting and discharge electrodes.
  - xi. H.T. Isolator.
  - xii. Silica Gel replacement.
  - xiii. Replacement of the damage parts of heater panel, control panel and MCC and maintenance of the same
  - xiv. Electrical Hoist.
  - xv. Ash water pumps.
  - xvi. Nozzle for Feeder Ejector.
  - xvii. Inlet elbow for Feeder Ejector.
  - xviii. Tail piece of Feeder Ejector
  - xix. Jetting Nozzle and Orifice plate of ash handling system.
  - xx. Parts of compressor, Air Dryer, pump including their overhauling once a year.
  - xxi. Pre Filter/ Fine Filter element, Activated Alumina for Air Dryer.
  - xxii. Solenoid valve and Pressure switch.
  - xxiii. Air and water pipe line.
  - xxiv. Replacement & Maintenance of Trench liners, Butterfly valves, Needle valve, Limit switch of Ash Handling System.
  - xxv. Cleaning of the filters of the air conditioning system.
  - xxvi. Rapping motors
  - xxvii. External inspection & Maintenance of TR sets for oil leakage, primary & secondary terminals.
  - xxviii. Insulators (Support, shaft, Bus duct & TR bushings)
- vii) Maintenance & replacement of damaged items/ spares of specific instruments viz. "CO" Gas Analyzer, Opacity monitor, Bar Graph Indicator, Dust-Level Switch, Rapping Programmer, ESP Controller, Temperature Transmitter, Pressure Transmitter etc.

- viii) Electrical works for 02 nos. of 22KW motors of compressors & 03 nos. of 110 KW motors of Ash water pumps:-
  - i. Isolation & Normalization of systems at MCC end motor end
  - ii. Disconnection and connection of the same at both ends (*MCC & motor end*).
  - iii. Removal and fixing of belts/ couplings and alignment of system with motors.
  - iv. Greasing/replacement of motor bearings (*excluding motor winding*).
  - v. Removal/ replacement of motor fan & cover.
  - vi. Changing of MCC end contactors, overload relays etc.
  - vii. Liquidation of panel defects like indication lamps, ammeters etc.
- ix) Isolation and Grounding of all ESP Fields from high voltage side in case of shutdown / for attending fields defect.
- x) To maintain Lighting of the area for proper illumination.
- xi) To keep ESP drain area clean and Painting of connecting pipe lines

**3. Outlet Emission Measurement Test:** In order to ascertain the present level of emission, this is to be measured for each unit. This will be the main criteria for taking decision about internal inspection of ESP, recommended for rectification and fine-tuning to bring down emission to desired level. However contractor shall carry out one-outlet emission measurement per year for each Boiler Unit to monitor emission level and calibration assistance for opacity Monitor. (*The same will be done in one time and just after annual overhauling of the unit.*)

**4.** Following services shall be done by you:

Sl. No	Type of service	Plant Status
1.	Maintenance Assessment of operating condition	Running
2.	Internal inspection for assessment of equipment healthiness	Shutdown

## **B. PART: B- Annual Operation and maintenance of Ash Handling System including D.P.H.#2**

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### **1. Details of equipment of Ash Handling System for operation & maintenance activity-**

- a. 04 Nos. of Dredge Slurry pumps.
- b. 04 Nos. of flushing Pumps.
- c. 02 Nos. of drain Pumps.
- d. 01 No. submersible pumps.
- e. All pipe lines & valves.
- f. Ventilation system.
- g. Motors of all pumps (only replacement & alignment)

### **2. Scope of work (Mechanical Maintenance)-**

- a. Daily inspection, round the clock operation and routine maintenance including short shut down of above equipments.
- b. Maintaining log book.
- c. Keeping normal level of connecting channels.
- d. Filter cleaning of channel & Ventilation system.
- e. Illumination system.
- f. Coordination with BPSCL Representative in all shifts
- g. Running maintenance.
- h. Repair, Maintenance (daily & preventive), replacement of damaged items/ spares of all electrical & mechanical equipments inside Pump (excluding repairing & maintenance of motors & EOT Crane) valves and pipe lines.
- i. During routine maintenance, repair, replacement and alignment of above equipments shall be carried out as required.
- j. Normal charging and isolation of systems which include pumps, pipe lines etc.
- k. Changeover of pumps.
- l. Dewatering of pits.
- m. Removal of choking of sludge compartments.
- n. Replacement of damage bearings of pumps.
- o. Replacement of damage items/ spares of pumps.
- p. Routine works like greasing of bearings, gland packing of pumps and valves.

- q. Servicing/replacement / commissioning of pumps.
- r. Maintenance and repair of dewatering pumps.
- s. Alignment of rotary system.
- t. Cleaning of equipment surface from outside.
- u. Removal of scraps generated during work and shifting the same to scrap yard of BPSCL.
- v. Cleaning of house working area minimum thrice daily.
- w. Painting of equipments, pipe lines & structures

### **3. Scope of Work (Electrical Maintenance)-**

#### **1. 6.6 KV KV HT Motors :**

- a) Motor cable disconnection / reconnection, decoupling, removal of foundation bolts, removal and loading of motors on truck by mobile crane, replacement of defective motor by new one. Motor alignment, power cable connection and decoupled trial run of motor. Coupling of motor for service.
- b) Inspection, cleaning and greasing of motor bearing with grease gun, power cable re-lugging, taping by HT insulator tape, changing of motor terminal insulators and its box in case of B/D, cleaning, maintenance and associated repair work of its control switch and indication panel lamp holders etc. maintenance and replacement of emergency stop P.B as and when needed.

#### **2. 440 V/220V LT Motors of pumps and valves-**

- a) Maintenance, inspection, cleaning and greasing of motor bearings, cable disconnection / reconnection, repair and re-lugging of power cables replacement and alignment of motors, repair of foundation frames whenever needed, maintenance of motor operated valves and their limit switches maintenance of GVDC Control Panels.
- b) Maintenance of lighting and welding supply system including 24 V network.
- c) Inspection & Maintenance of MCC & contactors, overload relays etc.

### **4. Scope of Work under operational activities of DPPH #2:**

- a) Startup / Stopping of Dredge Pumps & Flush Pumps as per existing practice.
- b) Record keeping of current of Dredge pump motors in log book.
- c) Identification of pipe line leakage & attending the same.

**SPECIAL TERMS & CONDITIONS:**

1. **Deployment of Man power Resources:** Contractor shall deploy maintenance as well as shift operation team comprising of different category workmen/technician to cater the maintenance and operation at ESP 6, 7 & 8 and DPH-II area. If any emergency break down occurs the same will be attended by contractor.

The minimum indicative manpower to be deployed during period of contract at site on daily basis including Sunday and Holidays is as follows:

Sl. No.	Category of Manpower	
1.	Site-In-Charge- (BE/B.Tech having at least 05 year's experience)	01 No.
2.	Millwright Fitter	01 No.
3.	Supervisor (Diploma)	Mechanical-02 Nos. Electrical- 02 Nos.
4.	Skilled worker	13 Nos.
5.	USW	14 Nos.

Note: *VDA reimbursement will not be applicable for sl. no. 1 & 2.*

2. BPSCL will provide following materials as per requirement of execution of job (free supply) :
- All spares for mechanical, electrical and instrumentation work will be supplied.
  - Any other consumable which is not mentioned in the scope of supply by the contractor.
  - Hydra, Crane, Truck etc. as per requirement.
3. Consumables to be provided by Contractor: Consumables like welding electrodes, Oxygen Cylinder, DA Cylinder, Araldite, Grinding Wheel , Bulb, K. Oil, Cotton waste, industrial gases, diesel, gasket compound, paints and other consumable items as per requirements of the job.
4. **Guarantee:** Contractor shall stand guarantee for emission within acceptable limit of 100 mg / N m<sup>3</sup> to be maintained on average, provided the ESP Inlet parameters are within acceptable limit.
5. **Subletting:** Contractor may engage subcontractor for engaging SW and USW. Deployment of subcontractors will subject to approval by BPSCL. However the job shall be done under contractor's technical & administrative control. Engagement of subcontractor will not relieve contractor from any of his responsibility.
6. **Penalty Clause:**
- If dust emission will be more than 100 mg/Nm<sup>3</sup> due to poor workmanship' a penalty @ Rs. 2000 per day will be imposed till the achievement of norms.
  - At least two Ash water pumps should be available all the time. In case of non-availability of two pumps all the times, a penalty @ Rs.300/- per hour will be imposed.
  - Delay in attending the job due to shortage of manpower or due to some other reason would attract a penalty of Rs.5000 per case.
  - DPH-2:** Penalty clause is applicable in following cases.
    - Flooding of DPH due to operational failure and stoppage of all ash slurry pumps. Penalty will be applicable as per formula given below:
 
$$@ = \frac{\text{Value of W. O.} \times \text{No. of days to re-commission the system}}{365}$$
    - Poor availability of equipments: At least three ash slurry pumps should be available all the time. In case non-availability of three pumps at all the times, a penalty will be imposed @ Rs.300.00 per hour.
    - Delay in overhauling / major repair of Ash slurry pump: Time allotted for normal overhauling of ash slurry pumps is 96 hours. Beyond 96 hours, a penalty @ of Rs. 100 per hour will imposed till the completion of jobs.

e) **Penalty for manpower:**

- i. In case of non-availability of Site In-charge / Engineer, a penalty @Rs 1500 per day will be imposed.
- ii. Penalty for other categories of manpower

Sl.No.	Description of Cases in Which Penalty will be imposed	Penalty Amount
1.	Penalty will be imposed for supply of less manpower as mentioned above	<p>i) a penalty of Rs. 100/day/ manpower will be imposed in addition to deduction of existing BPSCL wage rate (<i>as on bid opening date/RA date/Revised offer date (in case of negotiated prices)</i>) for respective category of manpower.</p> <ul style="list-style-type: none"><li>• Variation of <math>\pm 10\%</math> from the minimum indicative manpower given above on any given day is allowed.</li><li>• For the purpose of calculation of penalty for shortfall in manpower deployed, monthly average of each category of manpower deployed shall be considered.</li><li>• Manpower deployed over and above 110% of minimum indicative manpower shall not be considered for calculating monthly average manpower deployed.</li></ul>

**PRICE BID/ RA 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 shall be suspended for a period of six months from the date of issue of suspension order*
2. **Price Basis: L1 bidder will be decided on mathematically lowest percentage.**

<b>Sl. No.</b>	<b>Description of Job</b>	<b>Duration</b>	<b>Estimated Cost (excluding GST)</b>	<b>To be quoted by Bidder</b>
1.	Annual Maintenance Contract of ESP and Ash Handling System including Dredge pump house - 2 of CPP Boilers  (As per Scope of work)	12 Months	<b>Rs. 93,59,545.00</b> (Rupees Ninety Three Lakhs Fifty Nine Thousand Five Hundred Forty Five only)	Online Price Bid (% above / % below with respect to Total Estimated Cost excluding GST) through URL : <a href="http://www.buyjunction.in">http://www.buyjunction.in</a>

**Note:**

1. Goods & Service Tax: EXTRA as applicable

Signature with seal of tenderer



**Self Declaration**

I.....son/daughter of Shri ..... Aged.....  
years

resident of .....PS.....District.....State.....do  
hereby declare that:

1. I am the authorized representative and signatory of M/s.....  
(name of the firm/company).
  
2. All document(s) submitted/ information provided by M/s.....  
alongwith the  
  
Bid Document submitted against Tender No.....  
  
.....dated .....
  
- for.....  
..... (   
*Name of work*) has/have been submitted under my knowledge and are authentic , genuine and true. No  
part of the document(s) / information is false, forged or fabricated.
  
3. The above declaration in respect of genuineness of the documents/ information has been made having  
full knowledge of provisions of bidding conditions which entitle the Owner/BPSCL to initiate action in  
the event of such declaration turning out to be a false.
  
4. I undertake to produce all documents in original for verification as and when asked for the same by  
BPSCL.

(Name & Signature of Authorized person):.....

Designation:.....

**ANNEXURE - VII**

**CHECKLIST TO BE FILLED BY BIDDER EXCEPT REMARKS:-** All documents which are required for fulfillment of 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.

**CHECKLIST OF DOCUMENT SUBMITTED BY TENDERER**

<b>Sl. No.</b>	<b>Document</b>	<b>Page No.</b>	<b>Remarks by BPSCL</b>
1.	Work Order		
2.	Completion Certificate		
3.	Partnership/ Proprietor		
4.	EPF		
5.	ESIC		
6.	Latest ITR		
7.	* GSTIN		
8.	Turnover/ PL Sheet		
*If the agency is not under the preview of GST then please write Not applicable (N.A.).			
<b>Total numbers of pages in Techno-commercial Bid</b>			

**Signature of tenderer with seal**

(To be submitted on bidder's Letter Head)

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

We \_\_\_\_\_ (Contractor Name) having

PAN \_\_\_\_\_ & registered office at \_\_\_\_\_ (Address)

agree to all the Commercial, General & other Terms & Conditions listed in the

NIT No. \_\_\_\_\_ dated \_\_\_\_\_

for the work of \_\_\_\_\_

(Name of 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.

<b>Market No.</b>	<b>Last Quoted Price</b>
	<i>To be submitted by the L-1 Bidder only after finalization of RA</i>

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****Bidder'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 bidder 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 bidder 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. Bidder 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 Bidder 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 Bidder 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 Bidder 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 Bidder 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.