

# **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-262/NIT-656/2835**

**Dated 14/06/2017**



## **TENDER DOCUMENT**

**NAME OF WORK:** Assistance in monitoring Pumps (Feed pumps and process pumps), Deaerators, clarifiers and assisting in its isolation & normalization at WCTP (TPP & CPP)

**COST: Rs.500/-  
(Rupees Five Hundred 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 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-262/NIT-656/2835**

**Date: 14/06/2017**

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	Assistance in monitoring Pumps (Feed pumps and process pumps), Deaerators, clarifiers and assisting in its isolation & normalization at WCTP (TPP & CPP)
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.</b> (Extendable for another 01(one) year on satisfactory performance.)
Last date & time of submission of tender	<b>14/07/2017 at 12.00 Hrs. (IST)</b>
Bid opening Date & Time.	<b>14/07/2017 at 12:15 Hrs. (Part A &amp; B)</b>

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

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

Bidder should have Minimum average annual turnover (MAT) of **Rs.7.15 Lakhs.**

⇒ 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 :**

Bidder 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.7.15 lakhs**

**OR**

➤ Two similar completed works each costing not less than **Rs.9.50 lakhs**

**OR**

➤ One similar completed work costing not less than **Rs.16.60 lakhs**

**Similar Work means:** Operational (Mechanical) Job in Water Treatment Plant / Boiler / Turbine.

- *The value of work order(s) will be considered on pro rata yearly basis.*
- 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.)

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. Credential of the bidder having experience as a sub contractor for supplying manpower only will not be considered.
5. The bidder shall furnish authenticated copies of latest IT Return, Service Tax Registration, EPF certificate, ESI Certificate.  
*The bidder is also required to submit Annexure VIII & IX as instructed there in.*

**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.
- 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.com](http://www.bpscl.com)
- 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 notarized copy of certificate having a valid Entrepreneurs Memorandum (EM) number.SSI/NSIC certificate holders should also submit a copy of Entrepreneurs Memorandum.
- iv) 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 **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

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 along with copy of System generated **acknowledgement-slip** for Online submission of sealed price bid etc. marked with (Part-B) Techno-Commercial Bid, NIT No. & Date (*In hard copy*)

**Note : Part A & Part B shall be submitted in hard copy at following address :**

DGM (P&C)  
Bokaro Power Supply Co. (P) Ltd.  
Hall No.M-01, Old ADM Building  
Ispat Bhawan, Bokaro Steel City – 827001  
Ph : 06452 240380, Tel :8986874098

- 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 copy of System generated **acknowledgement-slip** for Online submission of sealed price bid to be submitted along with 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 **three (03) 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 equal to the difference between lower limit of estimated price and quoted price of the tenderer. 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 **RATE FINALIZATION:**  
BPSCL reserves the right to finalize the rate through either of the following modes:
1. a Either through Online Seal Bid Price Bid obtained just before Reverse Auction  

**OR**

b. Opening of Online Price (*submitted on [www.buyjunction.in](http://www.buyjunction.in)*) / physical Price Bid, submitted at the time of techno-commercial bid.
  2. Through Reverse Auction to be conducted by our service provider M/s. mjunction.
  3. If RA is not concluded for any reason, RA may be re-launched or case may be determined on the basis of online/physical price received along with the techno-commercial bid.
  4. Where it is decided not to conduct the RA, the techno-commercially accepted bidders shall be asked to submit online sealed or physical sealed decrement/s. In this case – On line/ physical price bid/s and online decrement or physical decrements, as decided by BPSCL, shall be opened together on same day and case be processed.

- 2.24 **FORCE MAJEURE** : 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.
- 2.25 **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 **14.07.2017 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:**

1. Assistance in monitoring the condition of running & reserved feed pumps (TPP, SMS, RMP pumps in WCTP/TPP) and to change over the running pumps with the reserved ones, whenever required.
  - a) Hourly inspection of feed pump for bearing condition, vibrations in pump set, gland leakage and coupling defects of running pumps. Nine (09) numbers of feed pumps remains in service on (24 X 7) hours a week basis. These feed pumps are very vital pumps and supplying feed water to TPP Boilers, SMS Boilers, and RMP Boilers of BSL. Additional pumps to be run as and when more feed water required by any of above consumers.
  - b) Isolation of feed pumps (1 pump per day), by closing suction and delivery valves, for maintenance work. Normalization & testing of pumps after maintenance work is over.
  - c) Inspection and topping of lubricants & oils in bearing chamber of feed pumps during all the 03 shifts as & when required.
  - d) Recording of feed water flow to TPP Boilers, SMS Boilers, and RMP Boilers so as to keep record for feed water supply to consumers.
2. Assistance in continuous monitoring & maintaining the feed water level in six (06) numbers Deaerators (in WCTP-TPP) by manual adjusting the valves of feed water to Deaerator during the shifts to avoid overflow or low level condition. Charging of steam, TBS drain condensate and TG-jet heater waters in to Deaerators when required. To assist in Isolation of Deaerators for maintenance work & put it back in service after maintenance work.
3. Assistance in monitoring the condition of running & reserved process water pumps (in WCTP-TPP) and to change over any running pumps with the reserved ones, if required.
  - a) Hourly inspection for process water pumps for checking bearing condition, oil level, vibration, gland leakage etc. There are forty five (45) numbers of process pumps out of which nineteen (19) numbers of pumps are always in service on (24 X 7) hours a week basis. Additional pumps needs to be started depending on the shop requirements, such as, more DM and Na- Cationated water production or low Deaerator level etc.
  - b) Isolation of pumps by closing suction and delivery valves for maintenance work (2 pumps on daily basis). Normalization of pumps after maintenance work is over.
  - c) Time to time oil topping in bearing chamber of running pumps during all the 03 shifts.
  - d) Unloading of Sulphuric Acid from rail tanker/road tankers (7 tankers per months) to storage tanks.
  - e) Unloading of caustic soda lye from road tanker (2 tankers per months) to storage tanks.
  - f) Transferring of Tri-sodium phosphate solution by running pumps in every shift as per requirements for maintaining the chemical norms of the Boilers.
  - g) To run the dewatering pumps in shifts as per the requirement.
  - h) Running of effluent transfer pump, for removing neutralized effluent water from neutralizing tank and emptying it.
4. Assistance in monitoring level of degasser tanks (3 no in WCTP/TPP) so as to avoid overflowing, from getting empty or low level condition. Ensuring proper running of degasser blowers in WCTP TPP without any abnormal sound/vibration. Monitoring the conditions of V-belts of blowers installed in TPP & CPP. Isolation and normalization of Degasser blowers (03 Nos.) in WCTP-TPP for preventive & capital maintenance work.
5. Assistance in monitoring & taking necessary actions for proper running of clarifiers in WCTP-TPP.
  - a) Maintaining raw water levels in the clarifiers (03) three numbers by controlling (opening/ throttling) the valves so that no overflowing or emptying of clarifiers takes place.
  - b) Controlling (opening/ throttling or closing ) of emergency raw water line, coming from Pump House No-3/ BSL, manually in the event of irregularity to get sufficient raw water from Pump House No-1, due to their problem or shut down.
  - c) Transfer of alum solution in storage tank by Alum Batcher or Alum transfer pump operation, twice or thrice in a shift as per requirement.

- d) Adjustment and maintaining of alum solution flow between 20 to 40 PPM as per the quantity & quality of raw water and instruction of Shift In-charge and Laboratory. The job is vital because interruption in alum dosing would lead to passing of colloidal silica. Checking the operation of stirrers / flocculates (10 nos.) in Clarifiers for proper mixing & agitation of alum solution. Isolation and normalization of stirrers for maintenance work.
  - e) Manual opening/throttling of blow down valves in all the three clarifiers thrice in the shift for removal of sludge.
  - f) Isolation of clarifiers for shutdown before maintenance and normalizing it after the maintenance work.
6. Assistance in monitoring & taking necessary actions for proper running of clarifiers, Sand filters & Carbon Filters in WCTP-CPP.
- a) Maintaining raw water levels in the clarifiers (02) two numbers by controlling (opening/ throttling) the valves so that no overflowing or emptying of clarifiers takes place.
  - b) Preparations of alum solution and maintaining alum dosing rate between 20 to 40 PPM as per quality of raw water and instruction of operation In-charge. Continuous supply of alum dosing is necessary in order to avoid passing of colloidal silica.
  - c) Checking and keeping in running condition the Clarifier bridges 1 & 2 for proper functioning of Clarifiers. Isolation of Clarifiers for maintenance work. Its normalization after maintenance work.
  - d) Monitoring & ensuring that clarifier stirrer are in running condition & inform the concerned person in case of any abnormality.
  - e) Opening of blow downs valve twice in each shift for both Clarifiers for sludge removal.
  - f) Monitoring the functioning (flow) of Sand Filters & Carbon filters, maintaining the required flow by controlling (closing/ throttling) the valves.
  - g) Unloading of sulphuric acid from Rail /Road tankers to storage tank 1 & 2.
  - h) Unloading of caustic lye from Road tankers to storage tank.
7. Assistance in monitoring & taking necessary actions for proper running of feed pumps, process water pumps, degasser blowers & degasser towers in WCTP-CPP.
- a) Hourly inspection of feed pump and process pump, checking the bearing condition. Vibration, gland leakage, and coupling defects. There are twenty (20) numbers of pumps in the shop out of which six (06) numbers of pumps are always in service (24 X 7) hours a week. Additional pumps are started depending on requirement for additional DM water production or supplying more feed water to CPP Boilers.
  - b) Isolation of pumps & blowers for maintenance work by closing suction and delivery valve. Normalizing of pumps after maintenance work.
  - c) Oil topping in bearings chambers of pumps from time to time as when required.
  - d) Monitoring the proper functioning of degasser Blowers, 02 out of 04 nos. of blowers are always in service on (24 X 7) hours a week basis.
  - e) Necessary changeover of blowers and isolation for maintenance work and its normalization after repair.
  - f) Monitoring level of degasser tanks (2 no) so as to avoid overflowing, from getting empty or low level condition. Ensuring proper running of degasser blowers in WCTP CPP without any abnormal sound/vibration. Isolation and normalization of Degasser blowers (03 Nos.) in WCTP-TPP for preventive & capital maintenance work.
8. To provide assistance in record keeping of all the pumps, Deaerators and Bulk Chemicals.
- a) Daily record keeping of running pumps (feed pumps, process water pumps, dosing pumps and degasser blowers).
  - b) Temperature reading of bearings of all the running equipments daily and logging them.
  - c) Record keeping of all the bulk chemicals used in WCTP and preparing daily, monthly, and yearly report as per the instruction of Engineer-In charge.

**SPECIAL TERMS & CONDITIONS:**

1. The bidder will have to carry-out the job by deploying experienced persons after proper safety certification issued by BPSCL before the start of the work.
2. All the jobs (except Sr. No 8- record keeping work) are required to be carried out throughout round the clock in all the shifts (A, B, C) on all 365 days in the year. Job at Sr. No 8 (Record keeping of all the pumps, Deaerators and Bulk Chemicals) need to be carried out in General shift.
3. The minimum indicative manpower to be deployed is one (01) Supervisor (Non- Diploma), two (02) Skilled Worker per shift (in A, B & C shifts) on daily basis & one (01) Skilled Worker in G-shift on daily basis except on Sundays (i.e. total 3 Supervisor (Non Diploma) & 7 Skilled Workers per day).
4. Arrangement of fire fighting is to be kept available round the clock by the bidder.
5. The bidder will have to work as per the scope of work & instruction / satisfaction of Engineer-in-charge.
6. BPSCL will provide (free supply) as per requirement following items.
  - Servo Oil 46.
  - Grease
  - Gear Oil 90
  - Gear Oil 320
7. As the area of work is highly sensitive with respect to safety hazards, bidder's supervisor must have take proper work permit, shutdown clearance & other instructions from Engineer-in-charge, on daily basis before starting the work. The bidder will have to follow all the safety precautions & rules in this regard.
8. The bidder will have to produce medical fitness for workers deployed by you.
9. The bidder will not be allowed to engage any sub-contractor for the job
10. Bidder has to arrange necessary gate pass for their workmen.
11. All taxes applicable will be deducted from your bills.
12. Supervision of the job is solely bidder's responsibility.
13. During contract period there will be no consideration of idle & escalation charges.
14. **Penalty Clause:** Penalty will be imposed as mentioned below:

<b>SL. No.</b>	<b>CASES</b>	<b>PENALTY AMOUNT</b>
1.	Bearing failure due to improper monitoring of pumps & other drives.	Rs.3000/- for each incident.
2	Negligence in maintaining the desired level & temperature of Deaerators.	Rs.3000/- for each incident.
3	Negligence in maintaining the desired percentage of alum dosing in clarifiers	Rs.3000/- for each incident.
4	Negligence in maintaining the levels in clarifier storage tanks & degassifier	Rs.3000/- for each incident.
5.	If manpower is not supplied any day as per Work Order.	Penalty of Rs. 100/- per person per day in addition to normal deduction of an amount equal to daily wages of the person.

15. **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:

- i. 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.
- ii. Fine upto Rs. 20,000/- on 2<sup>nd</sup> Violation as mentioned in clause (i) above.
- iii. 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.
- iv. 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).
- v. 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.
- vi. 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.

**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 L1 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.**

**Summary of Schedule of Qty :**

<b>Description</b>	<b>Duration</b>	<b>Rate /Month (RS.)</b>	<b>Amount for 01 year (Rs.)</b>
Assistance in monitoring Pumps (Feed pumps and process pumps), Deaerators, and clarifiers & assisting in its isolation & normalization at WCTP (TPP & CPP) <i>as per Scope of Work</i>	01 year		
<b>Landed Cost:</b>			
(Rupees .....)			

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 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 \_\_\_\_\_ (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.