

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-046/NIT-585/2659

Dated 21/05/2016



TENDER DOCUMENT

NAME OF WORK: Assistance in Operation and Annual Preventive, Running & Breakdown Maintenance Job of ESP& Ash Handling System of Boiler #9

**COST : Rs.1000/-
(Rupees One Thousand 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

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

NIT No. : BPSCL/CEO/P&C/16-17/C-046/NIT-585/2659

Date: 21/05/2016

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

Description of Work	Assistance in Operation and Annual Preventive, Running & Breakdown Maintenance Job of ESP & Ash Handling System of Boiler #9
Estimated Amount (in Indian Rs.)	Rs. 75,06,681/- (Rupees Seventy Five lakhs six thousand six hundred eighty one) only excluding Service Tax
Earnest Money (in Indian Rs.)	Rs. 1,00,000/- (Rupees One lakhs) only
Cost of tender documents (Non-refundable) (in Indian Rs.)	Rs.1000/- (Rupees One Thousand) Only
Period of contract	01 (One) year from the date of commencement of Work.
Last date & time of submission of tender	24/06/2016 at 12.00 Hrs. (IST)
Bid opening Date & Time.	24/06/2016 at 12:15 Hrs. (Part A & B)

Qualifying Requirements / Eligibility Criteria :

1. The Bidder should be an ISO 9001 Certified Company, while submitting the Tender.
2. The Bidder should have updated Electrical License, while submitting the tender.
3. **Average annual turnover (AAT)**

Tenderer should have Minimum average annual turnover (MAT) of **Rs.1,12,60,021.00**

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

4. **Technical Capability :**

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

- a. Three similar completed works each costing not less than the amount equal to **40%** of the estimated cost. **OR**
- b. Two similar completed works each costing not less than the amount equal to **50%** of the estimated cost. **OR**
- c. One similar completed work costing not less than the amount equal to **80%** of the estimated cost.

Similar work means: Carrying out the job of Assistance in Operation and AMC of ESP and Ash handling plant with pneumatic systems for the Boiler (Pulverized Coal Fired) of capacity not less than 220 T/Hr in single work order or even in separate work orders within three (03) consecutive years (from the date of any 1st work order) which includes preventive, Breakdown & Running mechanical, Electrical and C&I maintenance jobs.

The total value of contract carried out by the party for Operation and AMC of ESP & Ash handling plant even in separate work orders within span of 03 (three) years (from the date of any 1st w.o.) in last seven years will be combined together and considered one set. One such set will be required to qualify 4(c), two sets for 4(b) and three sets for 4(a).

5. 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.

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.)

6. The value of, work order(s) submitted by the bidder will be considered on pro rata yearly basis.
7. Bidder having credential as Sub – Contractor will not be considered.
8. Bidder as a Consortium is not allowed.
9. The bidder shall furnish authenticated copies of latest IT Return, Service Tax Registration, EPF certificate, ESI Certificate & valid (upto date) Electrical License for conducting contractual jobs of electrical nature, or proof of application for renewal of the same.
10. **The bidder must accept for finalization of rate through Reverse Action (RA) as per format given at Annexure-VIII.**

General Terms & Conditions:

- i) Offer shall be accompanied with Cost of the tender documents of **Rs. 1000.00** (non-refundable) in the shape of Demand Draft / Banker's Cheque drawn from any Nationalized / Scheduled Bank except Co-Operative Bank, in favour of **Bokaro Power Supply Company (P) Ltd.**, Payable at Bokaro Steel City.
However Government organizations / Small scale industries registered with NSIC is not required to submit the cost of tender document subject to production of the documentary evidence like valid Registration certificate of the same item or group of item from appropriate Govt. Authority.

- ii) Offer shall be accompanied with Earnest Money Deposit (EMD) of **Rs.1,00,000.00 (Rupees One lakhs) Only** in the shape of Demand Draft / Pay Orders / Bankers Cheque Payable at Bokaro Steel City // Bank Guarantee having validity for, one (01) year, from any Nationalized Bank / Scheduled Bank except Co-operative Bank drawn in favour of **Bokaro Power Supply Company (P) Ltd.** as per format available at our website: **www.bpscl.in**.

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

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

Note:

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

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

(J.M Prasad)
DGM (P&C)

Email : **purchase.bpscl@gmail.com**

Conditions & Rules to be observed in submitting Tenders

1.01 Manner of Submission of the Tender

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

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

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

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

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

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

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

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

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

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

New Users:

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

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

Existing Users

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

Bidding Procedure

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

Steps to accept the “Auction terms”:

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

Steps to Submit Price Bid

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

6a. For Template Bidding

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

6b. For Non-Template Bidding

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

Steps to take a print-out of the receipt

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

Note:

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

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

1.02 Tender Validity Period

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

1.03 General

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

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

General Terms and Conditions

- 2.01 Bidders are requested to visit the site before submission of the bid to get acquainted with actual site condition.
- 2.02 You will have to follow and observe the safety & statutory requirements.
- 2.03 You will have to fully responsible for any sort of unsafe activity of your workmen.
- 2.04 All working personnel should have proper safety certificates issued by BPSCL before start of work.
- 2.05 Supervision of the work has to be carried out by the agency.
- 2.06 Work is to be carried out as per instruction & satisfaction of the Engineer-In-Charge.
- 2.07 Rates are to be quoted on firm price basis. Any conditional offer is liable to be rejected.
- 2.08 In case of any documents/information submitted by the bidder(s) found to be false or containing any misrepresentation of having any fraudulent declaration in it then in such eventuality legal action (including cancellation of contract, banning of business dealing, forfeiture of EMD, criminal proceedings etc.) as deemed fit may be initiated by BPSCL against the bidder.
- 2.09 **Payment Terms :**
90% of contract value will be paid on pro-rata basis on progressive jobs duly certified by Engineer In-Charge and balance 10% will be retained as security deposit which will be released after 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. If so, the same shall be summarily rejected.
- 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 the tenderer quotes unworkable rate i.e. quoted rate of tenderer is lesser than 90.00% of estimated value and is considered for placement of work order, they/he 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 Guarantee (In prescribed format as available at our website: www.bpscl.in) issued by any Nationalized/Scheduled Bank in favour of Bokaro Power Supply Company (P) Limited. The amount of PBG will be equivalent to difference of 90% of estimated value and quoted value.
- 2.23 **FORCE MAJEURE** : Vendors / Contractor shall not be considered in default if delay occurs due to cause beyond their control such as acts of God, natural calamities, civil wars fire, strike, frost, floods, riot and acts of unsurpassed power. Only those causes which have duration of more than seven days shall be considered in force majeure clause. In the event of delay due to such clause the delivery / completion period will be extended for a length of time equal to the period of force majeure of at the option of owner order may be cancelled without any liability what so ever on the part of the owner.
- 2.24 **RATE FINALIZATION:**
Rates will be finalized through Reverse auction among the techno commercially acceptable tenderers through our authorized service providers i.e. **M/s. Mjunction Service Ltd.** The tenderers have to submit their acceptance as per enclosed format at **Annexure – VIII & IX** along with their techno-commercial bid. The schedule and details of Reverse Auction event shall be communicated by our Service provider (**M/s. MJunction Service Limited**) to the techno-commercially accepted bidders.
- 2.25 **The Parties should clearly indicate their prices firm in all respects till execution of the work order.**
- 2.26 In case of asking any variation on any account whether sales tax or Service tax (wherever applicable) will not be treated as firm price on that account and hence parties should state everything clearly.
- 2.27 **Special Instruction:** Tender will be opened on **24.06.2016 at 12.15 PM**. If it is declared a holiday by BPSCL then in the next working day at the same time in the presence of Tenderer's Authorized Representatives, who wish to be present.

Name of Work: ‘Annual Preventive, Running & Breakdown Mechanical Maintenance & Assistance in Operation of ESP & Ash Handling System of Boiler#9’

Scope of work: The Scope of work includes following:

- A) Electrical maintenance & assistance in Operation of ESP & AHP.
- B) C & I maintenance & assistance in Operation of ESP & AHP.
- C) Mechanical maintenance & assistance in Operation of ESP & AHP.

A.1 Electrical maintenance & assistance in Operation of ESP & AHP.

• **Scope of Work for Electrical Maintenance of ESP:**

- 1) Round the clock assistance in maintenance of electrical drives of ESP & assistance in operation of fields, its AC system & other drives in order to ensure adherence to norms of dust emission and continuous evacuation of Fly Ash & Bottom Ash in dry & wet form.
- 2) Inspection & preventive maintenance of electrical motor (Emitting rapper, collecting rapper, GD rapper etc., Total- 14 Nos. app.) including motor for air blower through ducts & observing temperature, current, vibration monitoring of drives along with thorough cleaning both externally and internally up to the extent possible using vacuum cleaner, blower, marking cloth and cleaning agents of recommended grade and quality.
- 3) Cleaning of insulators, tightening of power cable connections and setting right of all other defects as detected inside the motor terminal box. Maintenance & replacement of heaters (support, shaft, hopper etc.), insulators (support, shaft etc.), if necessary.
- 4) Maintenance of all PDBs, MCCs, ACBS (20 nos) LDBs, DCDBs, Electronic EPIC controller module, interfacing between field parameters with DCS etc. including associated protection systems, relays, CTs, PTS, control wiring, cabling, cable trays, earthing system & illumination aspects etc. with entire illumination of ESP sub-station and Control Room.
- 5) Periodical inspection and preventive maintenance of TR Sets (12 Nos.), oil topping, breather silica gel, bushing insulators, marshalling box, transformer panel, rectifier sets, inspection & replacement of insulator housing etc. as required.
- 6) Observance of no load test of transformers & reviewing performance parameters.
- 7) Check & maintain direction of rotation of shaft, emitter rapper motors etc. & maintaining the required power supply to all valves, AC & drives.
- 8) Inspection & preventive maintenance of PLC of ESP to ensure power to PLC.
- 9) Regular monitoring & reporting of all electrical parameters & readings.
- 10) Including preventive maintenance of equipments, following jobs to be attended by you:
 - i). Housekeeping and cleaning of ESP drives.
 - ii). Collecting Electrodes.
 - iii). Emitting Electrodes.
 - iv). Ash Hoppers.
 - v). Hopper Heaters.
 - vi). Collecting Plates & Rapping Mechanism.
 - vii). Emitting Electrodes & Rapping Mechanism.
 - viii). TR Sets.

A.2 Scope of Work for Electrical Maintenance of AHP:

- 1) Round the clock assistance in maintenance of electrical drives of AHP.
- 2) Inspection & preventive maintenance of electrical motors (Ash Slurry Pumps, HP & LT Water Pumps, Seal Water Pumps etc.), air blower motor & observing temperature, current, vibration monitoring of drives with thorough cleaning both externally and internally to the maximum extent using vacuum cleaner, air blower, markin cloth and cleaning agents of recommended grade and quality.
- 3) Tightening of power cable connections and setting right of all other defects as detected inside the motor terminal box.
- 4) Maintenance of all PDBs, MCCs, ACBS (17 Nos) LDBs & its illumination, DCDBs etc. including associated protection systems, relays, CTs, PTS, control wiring, cabling, cable trays, earthing system & illumination aspects etc. with entire illumination of AHP (MCC room to Ash Silo).
- 5) Inspection & preventive maintenance of PLC of AHP (ash handling plant) to ensure power to PLC.
- 6) Regular monitoring & reporting of all electrical parameters & readings.
- 7) preventive maintenance also includes electrical auxiliaries of:

1) Ash Slurry Pumps (03 Nos.)	10) APH Ash Hoppers
2) HP Water Pumps (02 Nos.)	11) ESP Ash Hopper
3) LP Water Pumps (02 Nos.)	12) Chimney Ash Hopper
4) Seal Water Pumps (02 Nos.)	13) Ash Silo System
5) Drain Sump Pumps (04 Nos.)	14) Compressed Air Receivers
6) Air Compressors (03 Nos.)	15) Silo fluidizing blowers & heaters
7) Clinker Grinders (02 Nos.)	16) Rotary Vane Feeder & Hydro Ejector drive
8) Bottom Ash Hopper	17) All associated electrical Gates, Valves & Dampers
9) Economizer Ash Hopper	

B) C & I maintenance & assistance in Operation of ESP & AHP.

The job under scope of work are to be carried out during preventive maintenance and as and when required on instruction of engineer I/C. The objectives shall be overall supervision for healthiness of the instruments of above said areas to minimize the breakdown, minimize the down time to avoid generation loss and to ensure maximum availability for the instruments covered under this AMC.

A list of work, which is indicative and not limiting, is given below

B.1 Maintenance Jobs of Ash Handling Plant and ESP:

Cleaning/ Checking/servicing/ calibration / repairing at site where ever possible/ replacement with new ones after getting it issued from BPSCL site store as and when required, along with their associated cables (including compensating cables) up to Marshalling cabinet in Control room through field JB(s) of the following types of field instruments with their own tools (general and special).

- 1) RTDs, T/C and temp scanners.

- 2) All types of Pressure, Temperature, Differential Pressure, Flow, Level and Position Transmitters.
- 3) All types of Pressure, Temperature, Differential Pressure, Flow, Level, limit and Position switches.
- 4) Solenoid valves Air filter regulators, Lubricators, Power cylinder, actuators of Pneumatic valves and associated limit switches.
- 5) Pressure, Flow, Temperature, level and D. P. Gauges.
- 6) Copper / SS Tubing.
- 7) Impulse lines including SS tubing (from root valve up to Instruments). (Purging, arresting of leakage, arresting of passing through drain/ isolation valve etc including welding wherever required).
- 8) Radar level Transmitter, Ultrasonic level and flow transmitters.
- 9) Purging, Draining (both periodical and as & when required) of impulse lines related to the instruments covered under AMC.
- 10) All field instruments in **ESP area** including DLI's, pneumatic actuators, temperature, pressure transmitters and associated cabling.
- 11) All field instruments, solenoids, actuators and associated cabling related to AHP compressor
- 12) All field instruments, control room instruments and associated cabling related to Pump House No.: 03.

b) Control Room Instruments (Day to Day Maintenance Including Cleaning):

1. Indicators and annunciation systems at UCP (All types).
2. Cleaning of UCP, PLC panels and other instrument panels in control rooms.
3. Maintaining paper/ ribbon / cartridge in printers of PLC system.
4. Regular cleaning of OWS, EWS and printers.
5. Computers and PLC panels & Modbus server: Maintenance including work assistance to BPSCL Engineers during troubleshooting.
6. PLC system under the ESP area and Modbus communicators of different ESP fields.

c) Others:

1. Scope of work also included the work assistance to BPSCL Engineers during Simulation checking for Healthiness of LT drives inter-lock and protection logic, OLCS pertaining to C&I system of ash handling plant, ESP and Pump House # 3.
2. Shifting of the materials / spares from main store to site store is also included in the scope of work.
3. Short term overhauling work assistance is also included in the scope of work.
4. All electrical accessories / cabling/ wiring associated with C&I system including Distribution panel, earthing of various equipments / desks/ panels / cabinets / JB's /etc as when required.

C) Mechanical maintenance & assistance in Operation of ESP & AHP.

- **Preventive, Running & Breakdown Mechanical Maintenance of Following Equipments of Ash Handling System:**
 - a) (03 Nos.) Three Ash Slurry Pumps.
 - b) (02 Nos.) Two HP Vertical Water Pumps.
 - c) (02 Nos.) Two LP Vertical Water Pumps.
 - d) (02 Nos.) Two Seal Water Pumps.
 - e) (02 Nos.) Two Make Up Water Pumps In Pump House No.: (03).

- f) (03 Nos.)Three Air Compressors.
- g) (02nos)Two Air Receivers.
- h) (02 Nos.)Two Root Blowers.
- i) (02Nos.)Rotary Van Feeders & (02 Nos) Two Hydro Ejectors at Silo System.
- j) (01 no) ash conditioner & 01 no unloading spout at silo system.
- k) (02 Nos.)Vertical Drain Sump Pumps at Silo System.
- l) (02 Nos.)Vertical Drain Sump Pumps at Bottom Ash Hopper of Boiler.
- m) (02 Nos)Feed Gates of Bottom Ash Hopper of Boiler.
- n) (02 Nos.)Two Clinker Grinders of Bottom Ash Hopper of Boiler.
- o) (04 Nos.)APH Ash Hoppers and Associated Ash Conveying Mechanism, Lines & Valves.
- p) (04 Nos.)Economizer Ash Hoppers and Associated Ash Conveying Mechanism, Lines & Valves.
- q) (01 No.)One Silo of 5000 M3 Capacity & Associated Dry & Wet Conveying Lines, Valves including dome valves & plate valves& Dampers.
- r) All Compressed Air Lines in ESP & Ash Handling System including replacement of ash conveying lines.
- s) HP Water Lines, LP Water Lines, Seal Water Lines, Firefighting Lines In ESP & Ash Handling System.
- t) All Associated Gates, Valves & Dampers of Ash Handling System

• **Preventive, Running & Breakdown Mechanical Maintenance of following Equipments & Systems of ESP:**

- a) ESP Ash hoppers & Associated Ash Conveying Mechanism, Lines & Valves.
- b) Collecting Electrodes, Replacement of Electrodes, when required
- c) Emitting Electrodes, Replacement of Electrodes, when required.
- d) Collecting Plate Rapping Mechanism.
- e) Emitting Plate Rapping Mechanism.
- f) Inlet & Out Let Dampers.
- g) Associated Ducts & Dampers.
- h) Hopper Heaters.
- i) Cleaning of collector & emitters during shutdown of ESP.
- j) Oil top up in collecting & emitting rapping mechanism gear boxes

➤ **Detailed Scope of Work for following Equipments:**

1) **Air Compressors:**

- a) Valve Maintenance...
 - i). Valve Dismantling.
 - ii). Valve Cleaning.
 - iii). Inspection & Reconditioning of Valve Plates, Springs & Spring Plates & Seats.
 - iv). Re – assembly & Installation Inspection.
- b) Compressor Piston and Cylinder Inspection & Maintenance.
- c) Bearing Inspection & Replacement, if required.
- d) Crankshaft, Connecting rod, Bearings & Crosshead Inspection & Maintenance.
- e) Cleaning of Air Filters & Lubricant Oil Filters.
- f) Inspection & Maintenance of 02 (two) Air Driers.
- g) Back Washing of Water Cooled Heat Exchangers.
- h) Periodical Cleaning of Heat Exchanger Tubes by suitable Brushes.
- i) Oil Top up as per the requirements.

- j) Complete Replacement of Used oil with Fresh Oil, if required.
- k) Maintenance of Air Lines and Water Lines and Associated Valves.
- l) Tightness checking of 'V – Belts' and Replacement of 'V – Belts, if required

2 Make Up Water Pumps (02) Nos.

- a) Proper Lubrication & Tightness Checking
- b) Inspection & Maintenance of Coupling, Replacement whenever required.
- c) Bearings Inspection & Replacement, whenever required.
- d) Gland packing, whenever required.
- e) Inspection & Maintenance of Sleeve Couplings.
- f) Inspection & Maintenance of Suction & Discharge Valves along with Replacement, if required.
- g) Repair of Suction & Discharge Pipelines along with Replacement, if required.

3 Ash Slurry Pumps (03) Nos. ...

- a) Lubrication to be done properly.
- b) Inspection of V – Belts Tightness, Wear & Replacement, whenever required.
- c) Attending any leakages, if found.
- d) Bearing Inspection & Replacement, whenever required.
- e) Inspection & Maintenance of cross over valves along with replacement, whenever required.
- f) Inspection & Maintenance of Sleeve Couplings.
- g) Inspection & Maintenance of Suction & Discharge Lines & Valves along with Replacement, whenever required.

4 HP & LP Water Pumps (04) Nos....

- a) Proper Lubrication & Tightness Checking of Bolts.
- b) Inspection of Coupling & Replacement, whenever required.
- c) Attending Gland Leakages, wherever & whenever observed.
- d) Inspection & Replacement of Bearings, whenever required.
- e) Inspection & Maintenance of Non – Return Valve (NRV) along with Replacement, whenever required.
- f) Inspection & Maintenance of Suction & Discharge Pipelines.
- g) Inspection & Maintenance of Suction & Discharge Line Valves along with Replacement, whenever required.

5 Seal Water Pumps (02) Nos....

- a) Inspection of Coupling & Tightness of Bolts.
- b) Inspection of Pipelines & Repairing.
- c) Lubrication of Bearings.
- d) Inspection & Replacement of Bearings, whenever required.
- e) Repair of Pipelines, valves at Suction & Discharge along with Replacement, whenever required.

6 Drain Sump Pumps (04 nos)...

- a) Inspection of Couplings & Tightness checking of Bolts.
- b) Inspection of Delivery Valves.
- c) Inspection of Suction along with Strainer, whenever required.

- d) Inspection & Replacement of bearings, whenever required.
- e) Short period Breakdown Maintenance Including Replacement and Repair of Shaft, Sleeve, Bush etc.

7 Root Blowers (02 Nos)

- a) Inspection & Maintenance of Gear Box, Oil Level checking, Top up.
- b) Inspection of V – Belts Tightness & Replacement, when required.
- c) Inspection & Maintenance of Heater associated with the blower etc.

8 Bottom Ash Hopper, ESP Ash Hopper, APH Ash Hopper, Economizer Ash Hopper & Chimney Ash Hopper

- a) Inspection of the Said Hoppers at Regular Intervals, whenever required and repairing the same.

9 Ash Silo System (01) No. along with Rotary Vane Feeders (01) No., Ash Conditioner & Unloading Spout (01) No

- a) Inspection & Maintenance of Bag Filters at Silo Roof and Replacement, whenever required.
- b) Inspection & Maintenance of Rotary Vane Feeders along with Replacement of Bearings & Chain, whenever required.
- c) Inspection & Maintenance of Ash Conditioner.
- d) Inspection & Maintenance of Unloading Spout & Replacement, whenever required.

10 Dome Valve Assembly Including PD Pumps, Plate Valves & Blow Valves ...

- a) Inspection & Routine Maintenance of the Said Items and Replacement of spares, whenever required at different areas of ESP Fields (A1 – A6) and (B1 – B6), APH and Outlet Flue Hopper Area.

11 Associated Conveying Lines, Bends, Water Lines, Gates, Valves & Dampers ...

- a) Inspection & Maintenance of Ash Conveying Lines, Air Lines, Water Lines, Comprising of Gates, Valves, Dampers, bends etc., and Replacement, whenever required.

• During Short Shut Down Condition:

The following items will be inspected and compared with the Normal condition and if necessary replacement of spare parts:

- a) All associated equipments like compressors, Root Blowers, dryers, Hydro Ejectors, Jet Pumps RVFs, and related pumps.
- b) Knife gate valves, pipes, bends and pneumatic valves.

- **Note:** *The above is only an indicative list and is not exhaustive. Any other equipment which is not covered in the above list but which is an integral part of ESP & AHP shall be in your scope*

SPECIAL TERMS & CONDITIONS :

- 1) For attending the job, you have to provide all categories of manpower including fitter, rigger, welder, USW with necessary tools & tackles.
- 2) For your workers, you have to arrange necessary gate passes against this work order.
- 3) You have to strictly comply with all safety rules & regulations of BPSCL. All safety appliances of reputed make are to be provided by you for your workers in presence of Safety Officer of BPSCL. The list and make of safety appliances may be obtained from safety officer.
- 4) The area is very hazardous, workmen has to work with all safety precautions. Safety of the workmen & the equipment will be entirely your responsibility.
- 5) Work is to be carried out as per instruction & satisfaction of the Engineer – in – charge.
- 6) Proper use of safety appliances, personnel protection equipment, should be ensured by you / your supervisor. Personnel protection equipments includes safety helmet, hand gloves, safety goggles, safety belt, safety shoes etc.
- 7) You have to comply with Labour laws, ESI Act & EPF rules. Also, You shall pay enhanced amount of VDA to your workmen as applicable in BPSCL. VDA shall be reimbursed to you subject to submission of authenticated certification of the actual payment to the actual workmen deployed for the work.
- 8) All taxes applicable will be deducted from your bills.
- 9) If situation demands, you have to execute the work round the clock as per the instruction of Engineer In-Charge.
- 10) You have to fulfill all the statutes of labour laws and regulations.
- 11) During contract period there will be no consideration of idle & escalation charges.
- 12) You will arrange welding electrodes, industrial gases for welding & cutting jobs, also you will arrange kerosene for bearing cleaning, jute, and clothes for cleaning equipment / spares at your own cost.
- 13) You shall maintain all records/register/return/cards such as:
 - i). Register of workmen employed by contractor.
 - ii). Employment Card
 - iii). Muster Roll
 - iv). Register of wages – cum – muster roll
 - v). Submission of Return and
 - vi). Order Book

14) **Inputs by BPSCL (Free of Cost):**

Following materials/ equipment shall be supplied by BPSCL free of cost as per requirement:-

1. EOT crane, Mobile crane, Truck and Fork lift.
2. Compressed air, electricity and water.
3. All types of spares needed to be replaced during the repair work of various Electrical and C&I equipment and systems.
4. Special Welding electrodes.
5. Grease, lubricants, nuts & bolts, Gaskets, O-ring.
6. Gaskets, insulating varnish, grease, sealants, lubricants, transformer-oil, 'O' - Ring, rubber chord, oil seals, nuts and bolts, paints, thinner etc as per the requirement.
7. Steel plates, pipes, angles and channels GI pipes etc.
8. Power and control cables, lugs, glands, HT tape and lug-crimping tools etc.
9. Machining facilities as available in area repair shop of BPSCL.

15) **Tools, Tackles, Safety Equipment, Instruments & Consumables To Be Supplied By The Contractor:**

Following materials shall be supplied/ arranged by the contractor at his own cost:-

- a) Fitter hand-tools set.
- b) Electrician hand tools set (electrically insulated and tested).
- c) Gas cutting set and its accessories along with oxygen and DA gas as per site requirement.
- d) Wire rope, slings and 'D' shackles (these should be tested regularly and fitness certificates obtained).
- e) General type consumables such as cotton waste, markin cloth, LT tapes, emery paper and general purpose welding electrodes etc.
- f) Testing kits and measuring instruments to carry out the maintenance, repair and parameters measurements of the Breakers and other equipments successfully as described in details under the head 'Scope of work'.
- g) Meggers of different voltage levels of different voltage levels (500V & 1KV) for measuring the insulation values.
- h) Earth-resistance measuring megger.
- i) Transformer-oil BDV measuring kit.
- j) Temperature measuring gun to monitor the temperature of the feeder & the equipments of indoor switchgear.
- k) Cold & hot air blowers.
- l) General as well as electrical safety wears appliances & equipments to be used by your employees.
- m) Special purpose tackles working tables & approach platform including insulated Aluminium platform ladder etc.
- n) Grinding machine & its wheels.
- o) Drilling machine with full set of bits.
- p) Thread making taps.
- q) Hand trolleys.
- r) Soldering & brazing kits.

- s) Stationary items for systematic & presentable record-keeping and carrying out routine work on daily basis.
- t) General as well as personal safety wear appliances and equipment to be used by the employees of the contractor.
- u) All measuring and testing devices like multimeter, loop calibrator, megger (500V) etc needed to carry out given work pertaining to C&I section.
- v) Electrician hand tools complete set (electrically insulated and tested).
- w) Welding machine, welding cables and accessories like welding helmets and heat insulated hand gloves etc.
- x) Hacksaw frame with blades.
- y) Special tools like bearing-puller, thread making taps.

16) **Quality Assurance Plan:**

- a) The maintenance & repair work of indoor switchgear equipments will be done as per the details describe in the 'Scope of work'.
- b) In addition to the details described in the 'Scope of work', 'Check-list forms' will be supplied which are to be strictly followed for carrying out the repair work. Different data and details will have to be recorded in the 'Check-list form' and got it counter signed by the site- engineer to ensure the required quality of the job performed.
- c) After the maintenance and repair work is over, the operation of the breaker will be checked up manually and electrically and also the operation of auxiliary contact and glowing of indication lamps to ensure the required quality of the job performed.
- d) Values of contact resistance, condition of insulating oil and insulation resistance of different parts etc. will be checked and results so obtained will be recorded in the 'Check-list'.
- e) Temperature of different parts of switchgear equipments, noted down during temperature-monitoring exercise, should be recorded properly and produced before the site engineer.
- f) There will be a six months guarantee clause to ensure the right quality of workmanship in carrying out the repair job. If a repair fails within the next six months of doing it, you will be held responsible for it in addition to carry out its repeat repair free of cost.
- g) Different test norms and test results must confirm to the values as prescribed by the manufacture or as enumerated in the related IS specifications.
- h) All items of work shall be executed in accordance with laid down standard practices of the IS codes, as the case may be.
- i) Electrical safety guidelines and provisions of electricity rules must be given due regard while executing the job.

17) **Subletting of Contract:** *You may engage sub-contractor as labour supplier. They will work under your technical supervision and administrative control. However, subletting is allowed only with prior approval from BPSCL.*

18) **Penalty Clause:**

- a) Due to poor workmanship if emission will be more than 100 mg/Nm³ a penalty @ Rs.250/ day will be imposed till the achievement of norms.
- b) Two compressors out of three installed compressors should be available for operation all the time, in case of breakdown, the compressor should be made available for operation within 24

- hours failing which a penalty of Rs. 200/hrs will be imposed till the compressor is made available. Also, in case of failure of two compressors a penalty of Rs.500/Hr will be imposed.
- c) If any field trips due to high level of ash in hopper a penalty @ Rs.250 each time will be imposed.
 - d) All Gear boxes of rapping mechanism both in collector & discharge side should remain available. In case of breakdown of the same gearboxes must be made available within 24 hours else penalty will be imposed@ Rs.500/gear box/hour.
 - e) Delay in overhauling/major repair of ash slurry pumps will bring penalty in picture. Time allotted for ash slurry pumps is 48 hours, beyond that period a penalty of Rs.50/hr will be imposed.
 - f) All field of ESP (UNIT #9) should remain available, in case of any breakdown the field shall be made available by you within 48 hours without taking shutdown of boiler, failing which a penalty @ Rs.250/hour/field will be imposed.
 - g) Party may be penalized for poor workmanship in Electrical/Instrumentation or Mechanical jobs up to Rs.10, 000/case.
 - h) Delay in attending the job due to shortage of manpower/no manpower or due to some other reason would attract penalty of Rs.5000 per case.
 - i) Penalty for damage/loss: In case of damage/loss of equipment due to negligence on your part, the recovery will be done at the rates as per mentioned in the price catalogue of equipment supplier/latest Purchase order value or any other genuine source plus BPSCL Overhead @ 25%.

19) **Safety Clause:**

Without prejudice to the right conferred by the clause above for stoppage of work for violation of safety requirements, contractor shall be liable for penalties mentioned below:

1. Up to Rs 5000/- by DGM (safety)/Head of safety Engg. Deptt/ Head of the Deptt. Where work is being done for 1st violation of safety norm, non-use of PPEs (Personal Protective Equipment) like safety shoes, hand gloves, safety helmets, goggles etc as per work requirements by the contractor or his workers. This condition is applicable in case of violations of Road Safety norms also.
2. Fine up to Rs 20,000/- on 2nd violation as mentioned in clause (1) above.
3. The contractor shall be debarred for one year/ deregistered from taking up further contractual work in BPSCL from the date of issue of debarring/ deregistering order on 3rd violation as mentioned in clause no (1) above.
4. Fine up to Rs 10,000/- for violation in use of Full Body Harness by the contractor or his worker for working at height (above 1.8 meter from immediate floor).
5. Fine up to Rs 25,000/- (minimum) to Rs 50,000/- (maximum) for serious injuries and disabilities caused by violation as mentioned in Clause No. (1) and (4)
6. 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.

20) **Qualification & Experience of Manpower to be Deployed by Contractor :**

SL. No.	Type of Manpower	Qualification & Experience required	Field of Experience
1)	Site in – charge	Degree with 02 years experience / Diploma with 5 year experience	Prior experience of at least one year in a PLC based ESP & Ash Handling Plant with

			pneumatic actuation systems..
2)	Mechanical Supervisors	Diploma(Mechanical)with two (02) years experience	He should have prior experience in ESP & Ash Handling Plant
3)	Instrumentation Supervisors	Diploma (Electronics/Elect) with minimum One year experience On PLC based systems.	He should have prior experience of working in a PLC based environment with pneumatic actuation systems.
4)	Electrical supervisor	Diploma (Electrical) with 03+ years of exp. in electrical drives.	Preferably he should have prior experience in ESP/AHP electrical maintenance jobs.
5)	Instrumentation Skilled Technician	ITI in electronics trade with 02 (two) years of experience OR Matriculation with 5(five) years of experience in Power Plant Instrumentation.	Experience in power plant C&IMaint. /commissioning jobs.
6)	Electrical skilled worker	ITI (Electrical) with 03+ years' experience in electrical drives	Experience in power plant electrical drives maintenance jobs.
7)	Mill Right Fitters	He should have prior experience of at least Two (02) years.	Preferably he should have prior experience in ESP & Ash handling plant requirements.
8)	Unskilled Worker		<ol style="list-style-type: none"> 1) He should be to identify the C&I equipment of related areas. 2) He should be able to do cleaning and housekeeping jobs sincerely.

PRICE BID/ FORMAT

Special Instruction –

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

Sl. No.	Description of work	Duration of work	Rate / Month (Rs.)	Amount for one year (Rs.)
1.	<i>Preventive Running Breakdown Maintenance Jobs of ESP & Auxiliaries, Ash Handling Plant including Ash Slurry Pumps (02) Nos. , Seal Pumps (02 Nos.) HP Water Pumps (02) Nos., Drain Sump Pump (04) Nos., Air Compressor (03) Nos., Fluidizing Air Blowers (2) Nos., Hydro Ejectors (02) Nos., Unloading Spout (01) No., Rotary Vane Feeders (02) Nos., Ash Conditioner (1) No., Clinker Grinder (2) Nos., Air Receivers etc. and all other equipments listed in Scope of Work.</i>	12 Months		
2.	<i>Round the clock help I operation by providing sufficient no. of manpower for ESP and Ash Handling Plant in order to ensure adherence to norms of dust emission and continuous evacuation of fly ash & bottom ash in dry and wet form.</i>			
3.	<i>Round the clock help in operation by providing required manpower for Make - up water pumps in Pump House No: #03 to ensure adequate & timely supply of Make - up water.</i>			
4.	<i>Testing of all equipment after Maintenance & logging of results in proper Log Books / Records Register's.</i>			
5.	<i>Scaffolding making for attending major Breakdown Jobs at heights attending pipeline leakages, valve repair etc., wherever required.</i>			
6.	<i>Attending any Equipment Breakdown Replacement of Bearings, Valves, Dampers Pipeline, Seals etc.</i>			
			Total (Rs.)	
Rupees only				

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 atOn..... 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.).				
Total numbers of pages in Techno-commercial Bid				

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

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

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

Signature of tenderer with seal

(To be submitted on Supplier's Letter Head)

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

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

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

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

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

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

(Signature & Seal)

Place :
Date :

Format for submitting last quoted prices*(To be submitted on Company Letter Head of the Bidder)***(To be sent within 30 mins of conclusion of the Reverse Auction)**

To,

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

Fax: 033 – 2288 3279**Ref: Reverse Auction forfor 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 forfor 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.