

BOKARO POWER SUPPLY CO. (P) LTD.

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

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

TENDER NOTICE NO.: BPSCL/MM/21-22/C-101/NIT-1047/2606

Dated 20/09/2021



TENDER DOCUMENT

NAME OF WORK: Annual Maintenance Contract (Mechanical) for TPP Boilers & Turbines.

INDEX

Sl.No	S u b j e c t	Page No.
1.	Cover Page	1
2.	Index	2
3.	Notice Inviting Tender (with QR)	3-5
4.	Annexure – I (Conditions & Rules to be observed in submitting tenders with online Price Bids)	6-8
5.	Annexure – II (General Terms and Conditions)	9-10
6.	Annexure – III (Scope of work)	11-16
7.	Annexure – IV (Special Terms & Conditions)	17-19
8.	Annexure – V (Price Bid)	20
9.	Annexure – VI (Self Declaration)	21
10.	Annexure – VII (Checklist)	22
11.	Annexure – VIII (RA Acceptance)	23
12.	Annexure – IX (Declaration after RA)	24
13.	Annexure – X (Bid Securing Declaration)	25
14.	Annexure – XI (General EHS responsibility of Bidder)	26

Bokaro Power Supply Co. (P) Ltd.

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

NOTICE INVITING TENDER

NIT No.: BPSCL/MM/21-22/C-101/NIT-1047/2606

Date: 20/09/2021

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

Description of Work	Annual Maintenance Contract (Mechanical) for TPP Boilers & Turbines.
Estimated Cost	Rs. 2,08,87,059.00 (Rupees Two Crore Eight Lakh Eighty Seven Thousand Fifty Nine Only) Excluding GST.
Earnest Money	Nil In lieu of EMD, the bidder shall submit either Bid Security Declaration as per clause 1.a of General Terms & conditions. OR Document for Exemption as per clause 1.b of General Terms & conditions.
Period of Contract	One (01) Year from the date of commencement of work.
Last Date & Time of submission of Tender	19/10/2021 at 12:00 Hrs. (IST)
Bid opening Date & Time	19/10/2021 at 12:15 Hrs.

Qualifying Requirements / Eligibility Criteria :

Financial Capability:

1. Bidder should have Minimum average annual turnover (MAT) of **Rs. 62.66 Lakhs** in preceding three (03) Consecutive Financial years.
 - Average annual turnover shall be determined taking into consideration turnover of preceding three consecutive financial years. Other income shall not be considered for arriving at annual turnover.
 - Audited annual accounts along with auditor's report of the bidder should be furnished in support of the same. Where audited annual account is not mandatory as per the law, the bidder has to submit annual financial turnover during the consecutive last three (03) years, ending 31st March of the previous financial year duly certified by CA.

Technical Capability:

2. The bidder should have valid ISO 9001 Certification for maintenance service as on date of bid opening.
3. Bidder should have experience of having completed **similar work** in India in any Public Sector Undertaking / Government / Semi Government organization or joint venture thereof / Company registered under Companies Act during last 7 years ending last day of month previous to the one in which offers are invited. Value of such work order shall be either of the following :
 - a. Three similar completed works each costing not less than to **Rs. 83.54 Lakhs**
OR
 - b. Two similar completed works each costing not less than to **Rs.104.43 Lakhs**
OR
 - c. One similar completed work costing not less than to **Rs. 167.09 Lakhs**

Similar Work means: *Work order / orders having AMC (Mechanical) of Pulverized coal fired boiler of at least 220 TPH and steam turbine of not less than 36 MW of single unit each capacity and their auxiliaries. The total value of the contract executed by the bidder for AMC (Mechanical) of Boiler & Turbine, even in separate work orders, in last seven (07) years will be combined together and one work order each for boiler & Turbine will be considered as one set.*

- 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)

4. In support of their eligibility and experience, the bidder is required to submit self attested photo copies of work orders & completion certificates (by the concerned competent authority) along with the techno-commercial bid. In addition, bidder shall submit a self declaration as per format at **Annexure-VI**.
5. Credentials as a sub-contractor will not be considered.
6. The bidder shall submit self certified copies of the following:-
IT Return (*Latest*), Copy of EPF, ESI Certificate, Partnership Deed / Affidavit for Proprietorship / Memorandum & Articles of Association, including changes in the Constitution of the Firm, (if any) and Copy of GST registration certificate).
7. The bidder shall submit acceptance for finalization of rates through Reverse Auction as per **Annexure – VIII**

General Terms & Conditions:

1. Earnest Money:
 - a) In lieu of EMD, Bidders shall have the option of submitting a Bid Securing Declaration accepting that if they withdraw / modify their Bids during the period of validity without assigning any valid reason for the same or refuse to submit Performance Security / Performance Guarantee as per the relevant Clause of this tender enquiry or refuse to accept the price quoted by them in Online Price Bid / Reversed Auction within the period of validity of the same or refuse to sign the Contract Agreement upon emerging as the successful bidder, they will be suspended for a period of one year from being eligible to submit bids against tender enquiries of BPSCL. A Format of Bid Securing Declaration is provided at **Annexure X**.
 - b) Micro & Small Enterprises (MSEs) / PSU /Govt. Undertakings and Co-operative societies will be exempted from submission of Earnest Money as per government policy. For MSEs, the exemption from submitting Earnest Money will be granted only on submission of valid copy of Udyam Registration Certificate. SSI/NSIC certificate holders should also submit Udyam Registration Certificate. Further, unit claiming exemption is required to submit copy of Udyam registration certificate clearly indicating the item category for which they are registered.

Note: Offers not accompanied with Bid Security Declaration (*as per clause a*) or documents for exemption (*as per clause b*) will be treated as INVALID.

2. Consortium bids will not be considered unless the provision for consortium is specifically mentioned in Tender Document.
3. If you withdraw your bid after opening of bids without giving any satisfactory and acceptable explanation thereof, you shall be debarred from participating in any tender of BPSCL for a minimum period of 01 (one) year.
4. **SUBMISSION OF PERFORMANCE GUARANTEE BOND FOR QUOTING UNWORKABLE RATE:**
If you quote unworkable rates, i.e. if the quoted price is less than **90%** of the estimated price and is considered for placement of order, you will be asked to justify the rate quoted. On non acceptance of justification / refusal of the same, you will be asked to furnish Performance Guarantee Bond in the form of Bank Draft/Bank Guarantee. The amount of Performance Guarantee Bond will be equal to the difference between **90%** of estimated price and your quoted price. In case you refuse to give Performance Guarantee Bond, you will not be considered for participating in any kind of Tender for next 01 (one) year from the date of issue of letter to you, if order / contract is not finalised from the present tender.

In case of forfeiture of Performance Guarantee Bond, you shall be required to reimburse the applicable GST to BPSCL.

5. **RATE FINALIZATION:** BPSCL reserves the right to finalize the rate through either of the following modes:
 - a. Opening of Online Price (*submitted on www.buyjunction.in*) submitted at the time of techno-commercial bid.
 - b. Through Reverse Auction to be conducted by our service provider **M/s. mjunction**.

Note: BPSCL may ask techno-commercially accepted bidders to submit decrement in percentage (%) on their online price submitted at the time of techno-commercial bid. On line price bid alongwith % decrement shall be considered together in case online price bid is opened.

6. **BPSCL reserves the right to :**

- a) Re-tender / extend the due date of submission of offer.
- b) Accept or reject any offer / all offers in full or part at any time at any stage without assigning any reasons and without any compensation thereof to the bidders.
- c) Modify the tender documents at any stage before the due date of tender.

Note:

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

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

(A.K. Das)
CGM (MM)
Tel: 8986874119
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 02 parts as follows:-

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

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

CGM (MM)
Bokaro Power Supply Co. (P) Ltd.
Hall No.M-01, Old ADM Building
Ispat Bhawan, Bokaro Steel City – 827001
Ph: 06452 240380, Mob: 8986874119

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

1. Online sealed Price Bid (% above / % below) through URL : <http://www.buyjunction.in>

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

- Step 1: Type <http://www.buyjunction.in> in the internet explorer.
- Step 2: Click on Login (present on Top right side of the Page)
- Step 3: Click on **View Live Auctions and Tenders**.
- Step 4: In the right side open/ global tenders link will be displayed.
- Step 5: Click on the link for the above mentioned tender link present under Open tenders
- Step 6: Click on new user if you are not registered in buyjunction earlier. Click on Existing user in-case you have already registered in buyjunction earlier. Existing users can login with their user id and password.

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

New Users:

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

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

Existing Users

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

Bidding Procedure

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

Steps to accept the “Auction terms”:

1. Click on “**Auction Terms**”.

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

Steps to Submit Price Bid

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

6a. For Template Bidding

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

6b. For Non-Template Bidding

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

Steps to take a print-out of the receipt

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

Note: For any clarification on the bidding process please contact

Mr. Anjan Buda- 9163348263 - anjan.buda1@mjunction.in

Ms. Debalina Maity - 8336991451 - maity.debalina@mjunction.in

Ms. Bingyasini Pradhan – 9163348173 – pradhan.bingyasini@mjunction.in

Ms. Priyanka Muzumdar – mazumdar.priyanka@mjunction.in

Mr. Mukesh Kumar Singh- 8873002741 – mukesh.singh@mjunction.in

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

1.02 Tender Validity Period

Validity of the offer shall be **Six (06) months** from the bid opening date. In case of extension of "Bid Submission / Opening Date", the validity will be counted from the extended bid opening date.

1.03 General Instructions:

- i) You shall have to quote price in any of the two options given below:

Percentage ABOVE with respect to Total Estimated Cost excluding GST
OR

Percentage BELOW with respect to Total Estimated Cost excluding GST

- a) If you do not quote price in terms of percentage or quote in more than one option, your offer will be rejected.
- b) In the tender schedule at the place where you have to quote PERCENTAGE, ‘**above**’ will mean mathematically **positive** and ‘**below**’ will mean **negative**.

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

GENERAL TERMS AND CONDITIONS

1. You are requested to visit site for actual assessment of the job before submitting of your offer.
2. You shall make yourself fully conversant with the actual site condition, nature of subject job(s) to be executed and terms and conditions of contract, cost of all the input materials and facilities, cost of labor, transport, incidentals, royalties etc. or any other taxes and duties before submitting the tender.
3. You will have to arrange necessary Gate Passes for your workmen.
4. You will have to deploy proper category of manpower for execution of the job.
5. You have to comply with all labor laws, ESI Act, EPF rules & AWA rules applicable in the Industry.
6. You will have to strictly adhere to the provision of various labor laws including Payment of Bonus Act 1965.
7. **Payment Default Clause:** You must ensure that payment is made to the workers as per provisions of Payment of Wages Act and CLC norms failing which BPSCL shall make payments to concerned workers directly. The amount so paid along with 15% of Administrative cum Service charge shall be deducted from any of the concerned Contractor's bill. If the provision of Payment of Wages Act is not adhered to second time, the Contractor shall be liable for banning of business dealing with BPSCL as per procedure in Vogue. Such Contractor shall not be permitted to work in BPSCL through sub-contracting also for the banning period.
8. **You have to pay your workmen as per circular / notification published by the State Government in regard to rates of payment of VDA in vogue.**
9. You will have to pay an additional amount of **Rs.4/-** to every worker engaged by you for the subject work over and above their daily minimum wages, as per BPSCL rules.
10. **AWA CLAUSE:** You shall have to pay an amount of Rs 96.15 per day on actual attendance per month (not exceeding Rs 2500/month) to the workers engaged by you in this job as Additional Welfare Amenity (AWA) as per relevant circular/notification of BPSCL.
11. You shall execute the work in compliance with the provisions of contract and contract Technical Specification and/or design drawings furnished by BPSCL in terms of the contract and as per codes and standards specified therein, wherever applicable.
12. Supervision of the work is your responsibility. Inspection of executed work will be done by Site Engineer/BPSCL.
13. If situation demands, you will have to execute the work round the clock.
14. After completion of work, Engineer-in-charge or his representative will review the work(s), you will have to rectify any defect, if found, at no extra cost.
15. You shall remove all debris, surplus materials, etc., if any, and dump the same at place as directed by the Engineer-in-charge.
16. All the applicable taxes will be deducted from your bills.
17. During contract period there will be no consideration for idle & escalation charges.
18. You will be fully responsible for any sort of unsafe activity of your workmen and all your workmen should be trained for operational safety and to avoid fire hazards of Power Plant and must have proper safety certificates issued by BPSCL before start of work.
19. You will have to follow and observe the safety & statutory requirements and comply with all safety rules & regulations applicable in the plant area as per Booklet of Safety rules for BPSCL contractors. If you are not having that booklet, same may be collected from the safety department with a request letter.
20. For working at height, you shall produce medical fitness certificate for your workmen. Height passes to be obtained from safety department, if required.
21. All the working tools & tackles, men, material etc. and safety appliances like personal protection equipment are to be provided to your workmen by you at your own cost. All safety appliances of reputed make are to be provided by you to your workmen in presence of Safety Officer of BPSCL. The list and make of safety appliances may be obtained from safety office.
22. In case any documents/information submitted by you are found to be false or containing any misrepresentation or having any fraudulent declaration in it then in such eventuality EMD will be forfeited and legal action (including cancellation of contract, banning of business dealing, criminal proceedings etc.) as deemed fit may be initiated by BPSCL against you.
23. **GST RELATED CLAUSES:**
 - a. You should quote GST as extra. If not mentioned in offer it will be considered as extra.

- b. You have to pass on the tax benefit/savings, if any, on account of output taxes to BPSCL.
 - c. You shall agree to do all things not limited to providing GST invoices or other documentation as per GST Law relating to the above Services, payment of taxes, timely filing of valid statutory returns for the tax period on the Goods and Service Tax Portal etc. that may be necessary to match the invoice on GSTN common portal and enable BPSCL to claim input tax credit in relation to any GST payable under this agreement or in respect of any part under this agreement.
 - d. In case the Input Tax Credit of GST is denied or demand is recovered from BPSCL on account of any non-compliance by you, including non-payment of GST charged and recovered, you shall indemnify BPSCL in respect of all claims of tax, penalty and/or interest, loss, damage, costs, expenses and liability that may arise due to such non-compliance. Further, in case of any differential tax liability on account of any wrong classification/valuation etc. by you, BPSCL will not be liable to reimburse any part of such differential tax, interest, penalty etc. It will be your responsibility to discharge appropriate taxes, as applicable.
 - e. You have to maintain high GST compliance rating track record at any given point of time.
24. **Banning of Business Dealings:** On arising of any situation or occurrence of any event as mentioned in Clause 6 of the Guidelines on Banning of Business Dealings, you shall be liable for action under and in accordance with the aforementioned Guidelines. The “Guidelines on Banning of Business Dealings” shall form part of the Tender/Contract and can be viewed on our website www.bpscl.com.
25. **RISK AND COST:** Failure on your part to start the work within reasonable time/ the progress of the job is poor/ for any breach of contract will entail termination of the Contract. In such an event, the job will be executed at your risk and cost by alternate arrangements.
26. **SAFETY CLAUSE:** You shall be liable for penalties mentioned below for violation of safety norms:
- i. Up to Rs.5000/-by Head of safety Engineering Department /Head of the Department 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 You or your workers. This condition is applicable in case of violations of Road Safety norms also.
 - ii. Fine up to Rs. 20,000/- on 2nd 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 3rd violation as mentioned in clause no. (i) above.
 - iv. Fine up to 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 order in case any Fatal accident occurs due to violations as mentioned in Clause (i) and (iv) above.
27. **FORCE MAJEURE:** You shall not be considered in default if delay occurs due to causes beyond your 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 cause the delivery / completion period will be extended for a length of time equal to the period of force majeure without imposition of LD at the option of BPSCL.
28. **Work accident**
- a. You will be fully responsible for the safety of the workers employed by you. In the event of any work-accident, major or minor, your representative must take care of the injured person immediately and provide him the required treatment as suggested by the doctor. If you or your representative is not available for medical care, the injured worker will be treated in Bokaro General Hospital and the cost of treatment will be recovered from you.
 - b. You shall be fully responsible for making payment of compensation to your own workmen 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.
29. **You shall also 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
 - vi) Order book

Scope of Work:

Introduction: In BPSCL TPP side comprises of 05 Russian Boilers having capacity 220 T/hr each, 01 Back Pressure Turbine having capacity 12MW and 02 Condensing Turbine having capacity 55 MW each. These Boilers and Turbines consist of equipments like Mill Systems, Fan systems, Fuel firing systems, different types HP/HT valves, Feed pumps, Condensate pumps etc.

SCOPE OF WORK

The scope of work involves Preventive and Running / Breakdown Maintenance of mechanical components as indicated and detailed, except at the time of capital repair/medium repair of any particular Boiler/Turbine/equipment or mill component replacement. Day to day maintenance, as detailed below, has to be carried out by the contractor:

- I) Boiler and its auxiliaries Unit – II, III, IV & V.
- II) Turbine and its auxiliaries Unit – I, II & III.

Itemized detail scope is given below:-

I. Scope of work for TPP Boilers and Auxiliaries**1. MAIN BOILER – TPP:**

- 1. Removal of insulation (minor nature) for identification of defect what so ever.
- 2. Replacement of Gasket / attending leakages through Boiler drum manhole
- 3. Repair of refractory (minor nature).
- 4. Repairing of Manhole door as required.
- 5. Attending of flue gas leakages from furnace (Shell Plate Changing-up to 30 Nos. / year) as and when appeared.
- 6. Servicing of boiler drum level indicating equipments.
- 7. Supervision of activities related to Boiler tube leakage during Boiler Shutdown.
- 8. NDT such as De-metering & DPT.
- 9. Cleaning of APH blocks.
- 10. Overhauling of main and impulse safety valves.

2. FUEL FIRING SYSTEM – TPP:

- 1. Attending of oil / gas / steam / PA leakage at firing floor.
- 2. Attending of PA piping leakage (from mill upto firing floor) by patch welding.
- 3. Arresting of flange leakage, replacement of gaskets – metallic / non-metallic.
- 4. Worn out coal pipe elbow replacement aggregating upto 10 (Ten) nos. per year.
- 5. Worn out coal pipe replacement aggregating upto 10 (Ten) Nos. per year.
- 6. Gasket or rope replacement as & when required.
- 7. Servicing of Burner Isolation Gate / damper as applicable.
- 8. Servicing Gate / dampers for correct open / close of flaps inside duct.
- 9. Oil burner maintenance.
- 10. Maintenance of oil lines / atomizing steam lines.

3. PIPING (Air/Water/Steam/Oil) AND VALVES – TPP:

- 1. Arresting of flange leakage, replacement of gaskets metallic / non-metallic.
- 2. Actuator setting.
- 3. Attending to welding leakages for pipes of sizes upto 76 mm (non IBR).
- 4. Cold valve checks/correction of hanger setting.
- 5. Valve/NRV maintenance/gland packing/lapping
- 6. Gland/flange leakage attending/gland packing replacement of all manual/actuator operated valves.
- 7. Valve replacement:
 - a) Cutting & replacement of HP/LP valve upto 76 mm (IBR).
 - b) Cutting & replacement of LP valve upto 76 mm (non-IBR)

4. FD FANS – TPP:

- 1. Checking of Fan bearings (DE & NDE) and its clearances / conditions, tightness checking etc.
- 2. Replacement of motor coupling / fan coupling if found defective.
- 3. Replacement of bearings if found defective
- 4. Replacement of Shaft if found defective

5. Replacement of impeller if found defective
6. Replacement of oil seal / labyrinth seal as applicable.
7. Repairing of fan casing & duct by patch welding as required to arrest leakages.
8. Fan-motor alignment check/correction.
9. Attending to cooling water leakage.
10. Replacement of cooling water valves (1st valve-inlet and outlet of cooler) by Cutting and welding.
11. Attending expansion joint leakage by patch welding or other means as applicable.
12. Tightening of bolts as and when required.
13. Associated gate damper maintenance.
14. Changing of cooling coil after removal of housing.
15. Balancing of FD Fan.
16. Alignment of motor (As per the instruction of Engineer-In-Charge.).

5. I. D. FANS – TPP:

1. Checking of Fan bearings and its clearances, tightness checking etc.
2. Replacement of oil gauge glass.
3. Tightening of housing holding down bolts.
4. Replacement of couplings – Motor / Fan and bearing of fan.
5. Replacement of bearing housings if found defective
6. Correction of coupling alignment.
7. Casing air leakage attending (patch welding) or by other means.
8. Oil seal / Labyrinth seal replacement / Leakage attending.
9. Attending to cooling water leakage. Cleaning of coolers.
10. Cooler dismantling, cooler element cleaning, hydro test of cooler if required.
11. Replacement of cooling water valves (1st valve-inlet & outlet of cooler) by cutting and welding.
12. Attending expansion joint leakage by patch welding or other means as applicable.
13. Associated gate damper maintenance.
14. Tightening of bolts as and when required.
15. Changing of explosion vents as and when required.
16. Alignment of motor (As per the instruction of Engineer-In-Charge.).

6. MILL FANS:

1. Tightening of all foundation bolts.
2. Checking of Fan bearings and its clearances, tightness checking etc.
3. Plate welding in vanes.
4. Dynamic balancing of fans as and when required.
5. Arresting oil leakages and dust leakages from casing by patch welding or other means as applicable.
6. Replacement of Tyre coupling.
7. Attending to cooling water leakage. Cooler dismantling, cooler element cleaning
8. Alignment of motor (As per the instruction of Engineer-In-Charge.).

7. COAL DUST PREPARATION SYSTEM:

Raw Coal Feeder:

1. Checking / adjusting feeder drive mechanism.
2. Bearing replacement if required.
3. Replacement of gear box if required.
4. Replacement of bent scrapper.
5. Replacement of scrapper chain bundle.
6. Shear pin replacement as and when required.
7. Gear box internal repair as far as possible when required.
8. Dismantling & repairing of front & rear sprockets.
9. Cleaning of coal dust/debris etc.
10. Cutting & replacement of scrapper chain as required.
11. Inspection of scrapper chain.
12. Chain adjustment.
13. Repair/replacement of base plate and measuring plate.
14. Body patches repairing.
15. Gear box inspection & alignment.
16. Checking of gear box & replacement of gear box parts if found defective.
17. Alignment of motor(As per the instruction of Engineer-In-Charge.)
18. Schedule inspection & maintenance at least twice a day.

8. DRUM TYPE BALL MILL:

1. Alignment of drive mechanism (gear box, girth gear, pinion etc.)
2. Oil leakage attending.
3. Attending to cooling water leakages, valve changing as and when required.
4. Attending to lubrication system problems, cooler cleaning and greasing/oil top up.
5. Attending to hot air/PA leakages.
6. Cleaning of girth gear / Pinion for inspection of gear teeth.
7. Crack repair of Drum, girth gear, journal etc.
8. Greasing of pinion bearing.
9. Changing of tyre coupling or its parts as required.
10. Replacement of damaged explosion vent as and when required.
11. Bolt tightening & replacement.
12. Oil gauge glass oil flow checks through gauge glass/defect rectification.
13. Inspection of main bearing as required.
14. Fabrication and changing of cooling coil of gearbox.
15. Repair of suction / discharge chute after dismantling.
16. Alignment of motor, reducer & pinion (As per the instruction of Engineer-In-Charge.).
17. Preventive & corrective maintenance of each ball mill should be done at least twice a day.

9. COAL DUST FEEDER:

1. Greasing of feeder bush.
2. Checking of coupling and all bolts.
3. Shear pin replacement as and when required
4. Arresting of oil leakage & dust leakage.
5. Oil level checks & maintaining the same as per requirement.
6. Repair & replacement of gear box as and when required.
7. Repair & replacement of gear box worm wheel & worm shaft as required.
8. Changing of feeder bush, thrust bearing, feeder shaft as & when required.
9. Removal of feeder jamming.
10. Cleaning of foreign materials & coal by dismantling the feeder if required.
11. Alignment of motor (As per the instruction of Engineer-In-Charge.).
12. Schedule inspection & maintenance at least once a day.

10. FLUE GAS & AIR LINE DUCTS (Excluding ESP):

1. Repair of ducts & dampers (up to 100 m²/year for duct).
2. Changing of explosion vents as & when required.
3. Minor insulation work while attending leakage.

11. SLAG CONVEYOR:

1. Repair of gear box.
2. Changing of texolite bearing.
3. Replacement of coupling & coupling bolts.
4. Attending leakage from slag bath.
5. Inspection & greasing of main bearing.
6. Oil pouring of gear box.
7. Alignment of motor (As per the instruction of Engineer-In-Charge.).

12. SLAG CRUSHERS:

1. Repair of gear box.
2. Changing texolite bearing.
3. Replacement of coupling & coupling bolts.
4. Attending leakage from slag bath.
5. Inspection & greasing of main bearing.
6. Oil pouring of gear box.
7. Alignment of motor (As per the instruction of Engineer-In-Charge.).

13. MILLING SYSTEM DAMPER AND PIPE LINES:

1. Patch repair as & when required to arrest leakage.
2. Damper rectification & replacement.
3. Maintenance of drive mechanism.
4. Maintenance of pipe lines from Mill to Separator to Cyclone to Mill.

14. CYCLONE SEPARATOR:

1. Minor repair of separator/adjustment as required, repairing of any hole or crack developed on the body.
2. Positioning of on-off valve as required.
3. Cleaning of separator return line, separator angle positioning as and when required (at least once in seven days), servicing of separator angle changing mechanism.
4. Attending to flange leakage wherever appeared.
5. Explosion vent of the separator and cyclone replacement, if required.
6. Clearing of jamming on separator lines, coarse or fine line.
7. Attending to ruptured pipe or replacement of the defective portion as required.
8. Cleaning of cyclone and separator as required.
9. Internal inspection of separator as required.
10. Chocking removal of associated lines of cyclone & separator.

15. RAW COAL & DUST BUNKER:

1. Patch repair.
2. Maintenance of Nitrogen purging system.

16. SCREW CONVEYOR:

1. Replacement of eroded bush, coupling bolt, coupling.
2. Alignment work.
3. Conveyor trough, cover plate placement, repairing of trough, in case of leakage.
4. Replacement of gear box and motor coupling as required.
5. Hanger replacement or repairing.
6. Repairing of screw flange failure.
7. Alignment of motor

17. CENTRAL LUB. OIL SYSTEM :

1. Cleaning of oil filters and replacement of cartridge, if necessary.
2. Cleaning of oil tank / oil headers / inspection of oil pump / repairing or replacement of pump if required.
3. Attending oil leakage.

18. BALL FEEDING: Ball charging regularly (including shifting of Ball) in Coal Mill in every day or as per direction of Site Engineer.

19. DREDGE PUMP:

1. Preventive and breakdown maintenance along with replacement of pumps, valves, pipes, bends, ejectors, overhead crane etc. in pump house area.
2. Overhauling of pumps.
3. Painting of equipment.

20. ESP & ASH HANDLING SYSTEM:

1. Preventive and breakdown maintenance along with replacement of hammer, CI bearing, shock bar, shaft, Gear Box, GD screen etc. as per requirement.
2. Preventive and breakdown maintenance along with replacement of ash water pump, compressor, valves, pipes.
3. Overhauling of compressor and pump.

21. DOZING SYSTEM :

1. Attending of flange & gland leakage/valve replacement.
2. Repair of phosphate batchers.
3. Repair of pipe lines.

22. GAS LINE JOBS :

1. Supervision of maintenance of BF & CO gas line related jobs.
2. Supervision of maintenance of sector gate of BF & CO gas line.
3. Supervision of sector gate seal changing job.
4. Supervision and assistance in gas line charging & isolation and rubber seal changing.

23. HYDRAULIC TEST OF BOILERS: Assistance in pressure parts inspection & Hydraulic Test of the Boilers.

II. Scope of work for TPP Turbine

1. OIL TRANSFER SYSTEM

1. Oil top up in FOS oil tank after shifting oil drums from store to FOS.
2. Oil transfer from FOS tank to ROT through pump.
3. Maintenance of oil tank, oil pumps, filter cleaning and attending leakages through pipes and flange joints.
4. Removal of empty drums from pump room to outside.

2. OIL CENTRIFUGES

1. Cleaning of internals and externals of 03 Nos. of centrifuges on weekly basis.
2. Inspection of these centrifuges, and changing of different spares, shaft, bearings, brake shoes etc.
3. Attending leakages through centrifuges, flanges, valve glands.

3. TURBO GENERATOR #1

1. Schedule inspection of 03Nos. of CTWT pumps on monthly basis. Bearing replacement, complete overhauling, gland packing, alignment of pump and motor.
2. Attending leakages of CTWT pump tank.
3. Attending to jet heater.
4. Inspection and maintenance of its S.O.P, AC & DC Lubricant oil pump, cleaning of its duplex Lubricant oil filter, MOT filter and attending oil, water and steam leakages through different pump & flanges.
5. Lubrication and inspection of gear boxes of L.P and H.P. side steam valves.
6. Inspection of Turning Gear, Servomotor, Control gear.
7. Attending leakages of steam, water and secondary condensate of HPH 1A&1B.
8. Attending leakages through drainages tanks (02 Nos.)

4. TURBO GENERATOR #2&3

1. Inspection of control gear, load limiter, control valves, cam shaft, its rollers and replacement of its roller bearings.
2. Arresting steam leakages through glands bonnets of valves and pipelines associated with TG set.
3. M.O.T. filter cleaning bi monthly.
4. Inspection of extraction NRV^S and defect rectification.
5. Cleaning of PW filters.
6. Maintenance of S.O. P, AC&DC Lubricant oil pump, AC& DC Seal oil pumps, seal oil coolers and associated (total No. of pumps 12Nos. and 02 Nos. seal oil coolers).
7. Attending leakages of steam, feed water and secondary condensate of H.P and L.P. heaters & 3way valves.
8. Condenser inspection and plugging of leaking tubes.
9. Lubrication of valves.

5. CONDENSATE PUMPS (04 NOS.) & GAS COOLER LIFT PUMPS (04NOS.)

1. Bearing inspection & replacement, if required.
2. Alignment of motor with respect to pumps.
3. Inspection of cooling water line and rectification of defects.
4. Gland packing of pump and valves associated with pumps.
5. Attending oil and other leakages.
6. Inspection of NRV^S.
7. Suction strainer cleaning.
8. Vibration monitoring.

6. BOILER FEED PUMPS (06 NOS.)

1. Gland packing of pump and recirculation valve.
2. Bearing inspection and rectification/replacement.
3. Stuffing box inspection, testing and replacement if required.
4. Inspection of balancing disc and discharge sleeve checking of thermal gap, axial shift etc.
5. Filter cleaning.
6. Relief valve setting.
7. Attending oil leakages.
8. Vibration monitoring.
9. Decoupling and decouple trial run of its motor as and when required.
10. Pump coupling and alignment.

7. DEAERATORS (05NOS.)/L.P. HEATERS (08NOS.)/H.P HEATERS (08NOS.)/STEAM EJECTORS (06NOS.)/ DRAIN EJECTORS (03 NOS.)

1. Attending leakages through flanges, pipes/joints/ main of steam line, air lines /feed water lines/ secondary condensate lines/ main condensate lines.
2. Attending leakages through flange/ bonnet/ gland of different valves of size Ø25mm to Ø150 mm in all the 05 deaerators
3. H.P heater diaphragm leakages (Partial)
4. Deaerator outlet valves gland packing. BFP suction valves at 08 m and 13 m gland /bonnet/ flange leakage of size Ø300 mm.
5. Pressure and level balancing valves Ø300 mm and Ø250 mm sizes (10Nos.) gland/ bonnet leakage.
6. Deaerator glass replacement /cleaning of LP heaters.
7. HPH Expender 1A&1B leakage through valve / bonnet/ flange.
8. Lubrication of different valves.

8. HSPRDU (03NOS.)/ PRDU (04NOS.) AND 100 ATA STEAM GATE VALVES (35NOS.)

1. Attending leakages through gland / bonnet/ flange of valves installed in HSPRDU, PRDU and 100 ATA steam line (valve size Ø25mm to Ø250 mm).
2. CGT of all these valves for their smooth operation.
3. Welding of pipeline leakages of size less than 100mm.
4. Assistance in safety setting

9. PIPING (AIR/ WATER/ STEAM/ OIL/ CIRCULATING WATER VALVES.

1. Arresting of flange & gland leakage, replacement of gaskets metallic/ non-metallic.
2. Lubrication of actuator, valve stem at regular intervals.
3. Manual opening and closing operation of valves as and when required.
4. Attending to welding leakages for pipes of sizes less than 100mm.
5. Cold valve checks/ correction of hanger setting.
6. Valve /NRV maintenance:-
 - a) Gland leakage attending/ gland packing replacement of all manual / actuator operated valves.
 - b) Valve/ NRV servicing.
 - c) Up to 250mm for HP&600mm for LP valves
7. Cutting & replacement of HP/LP valve up to 100mm
8. Attending to valve gland leakage/ gland replacement.
9. Attending to leakage of flanges, unions of oil, water and steam system.
10. Spring support inspection and rectification.
11. Replacement of damaged springs.
12. C.G.T. of 04 Nos. of Ø600 mm valves at regular interval.
13. Arresting of leakages through inner and outer glands of HP steam and feed water valves.

10. SMALL PUMPS.

1. Scrubber pumps -03 Nos.
2. L.T. Flush Pumps -03 No.
3. Drainage transfer Pumps -02 Nos.
4. Process water Pumps -02 Nos.
5. Dirty Oil transfer Pumps – 05 Nos.
6. Chemically treated transfer Pumps -03 Nos.
7. Drain Pit Pump -06 Nos.
8. Hydrazine Pumps -06Nos.

For the above pumps following are the regular maintenance jobs

1. General inspection of bearings and replacement if required.
2. Complete overhauling of these pumps (20 Nos.)
3. Replacement of gland packing & alignment of pump and motor, tightening of foundation bolts.
4. lubrication of its different valves

In addition to the above jobs, contractor has to carry out following activities as and when required.

1. Vibration monitoring and suggestion for improvement (Vibration monitoring equipment's as required to be supplied by BPSCL free of cost).
2. Cleaning of own generated debris after maintenance of any equipment's on regular basis & CGT of equipment.
3. Manpower Assistance from for maintenance of EOT Crane inside TG hall.
4. Calibration certificates of all measuring equipment. The calibrating person should have proper eligibility certificate approved by Govt./NABL accredited.
5. All incidental items of work not shown or specified but reasonably implied and found to be necessary for successful completion of the work shall be deemed to be included in the scope of work at no extra cost of BPSCL.

SPECIAL TERMS & CONDITIONS:

1. Contractor should have valid Boiler Repairer Certificate issued by Chief Inspector of Boiler during job execution period.
2. Indicative manpower to be deployed as follows :

Sl. No	Type of Manpower	No. of Manpower	To be deployed for
a.	Site-In-Charge – (Must be degree in Engineering having at least 07 years' experience)	01 No.	313 days
b.	Supervisor (Diploma in Engineering)	03 Nos.	365 days
c.	Supervisor (Non-Diploma)	05 Nos.	365 days
d.	Skilled worker / Technician (General fitter-03, Welder-04, Rigger-07)	14 Nos.	365 days
e.	Mill Wright Fitter	04 Nos.	313 days
f.	U.S.W / Helper	46 Nos.	365 days

3. **VDA Clause:** During operation of the contract, if there is an upward revision of minimum wage, VDA by the appropriate Government, contractor shall be entitled to reimbursement of such additional amount (wherever applicable) on actual basis subject to production of documentary evidence. The base date for such reimbursement shall be Bid Opening Date or RA Date or Revised Offer Date (in case of negotiated prices), whichever is later.
4. For attending the job, you have to provide all categories of manpower with necessary tools & tackles. The job is to be carried out on round the clock basis including Sunday & Holidays. The job should be carried out completely on contractor's supervision.
5. The approximate consumption of consumables is as follows.
 - a. Welding Electrode - 130 Nos. / day
 - b. DA Cylinder - 1 No. / day
 - c. Oxygen Cylinder - 03 Nos. / day
 - d. All types of Grinding wheel, Cutting wheel, Hacksaw blade, Kerosene, Rust Removing Compound, Lapping Material, Blue Matching Compound, M Seal, Teflon Tape, PVC Tape, Lead Wire, Emery Paper, Cotton waste etc. (*As Per Requirement*)

However this is for indicative purpose only & the contractor has to use the consumables as per actual requirements.
6. Contractor should submit the total list of tools to be used by contractor before start of job. All the lifting tools & tackles, slings, D-shackle should have proper safety certificate and copy of the same to be deposited to Engineer-in charge before start of the job.
7. All the measuring equipment should have proper calibration certificates and the same has to be submitted to Engineer-in charge.
8. The contractor must have a Computer System and all daily progress & other reports should be updated on the system. At the instruction of Engineer in-Charge computerized report to be handed over to him.
9. As the area of work is highly sensitive with respects to safety hazards, contractor must have take proper work permit, shutdown clearance & other instructions from Engineer-in-charge daily starting the work you have to follow all the safety precautions & rules in this regard.
10. During contract period there will be no consideration of idle & escalation charges.
11. **INPUTS BY BPSCL (Free supply):**
 - i. All interchangeable spares and accessories.
 - ii. All machineries such as EOT Crane / Mobile Crane / Hydraulic Truck / Trailer / Trolley etc for movement of materials inside the plant subject to availability, vibration monitoring equipment as required.

- iii. Compressed air, Special gasses, Special electrodes, All permanent consumables such as gaskets, gland packing, nut & bolts, grease, lubricants, coolants, special fasteners, 'O' ring, rubber chord, brazing rods, soldering materials, oil seals, bushes etc. shall be supplied by BPSCL.
- iv. Testing gadgets & special tools supplied by OEM, lifting tackles with monorails etc as installed originally.
- v. 24V and 220V AC power supply to the nearest point.
- vi. Machining of components. Steel structures, Steel plates, pipes, scaffolding materials.
- vii. Drawings and documents.
- viii. Argon gas, Nitrogen gas if required.

12. Material to be supplied by the contractor:

- I. All types of MS Electrodes Rod, DA/LPG , Oxygen, Grinding wheel, Cutting wheel, Hacksaw blade, Kerosene, Rust Removing Compound, Lapping Material, Blue Matching Compound, M Seal, Teflon Tape ,PVC Tape, Led Wire, Emery Paper, Cotton waste etc. as given in special terms and condition ,SI no 4.
- II. Welding Machine, Cutting set, Grinding Machine, Chain pulley Block, Grease gun, all types of measuring instruments and other tool tackles required for the job.

13. Payment Terms :

97% of contract value will be paid on pro-rata basis duly certified by Engineer In-Charge and balance **03%** will be retained as security deposit which will be released after satisfactory execution of order.

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

Amount of penalty and/or Liquidated Damages imposed (if any) will be recovered from Bill / Security Deposit. If the amount of Bill / Security Deposit is not sufficient, the bidder will be required to pay the balance amount to BPSCL. If you do not pay the balance amount, the same shall be deducted from any sum or sums which may be due or may become due to you from BPSCL on any account whatsoever.

14. Penalty Clause : Penalty will be applicable for different case as mentioned below :

Sl. No.	Description of Cases in Which Penalty will be imposed for reasons attributed to the contractor	Penalty Amount
1.	If job not started on its scheduled starting date	Rs. 5,000/- per day.
2.	If any breakdown remains unattended for more than 02 hours.	Rs. 5,000/- per hour
3.	Any one out of 02 Air - compressor is out of service, compressor should be made available within 72 hours failing which penalty will be imposed till the compressor is made available.	Rs.500/- per hour
4.	All gear boxes of rapping mechanism both in collector & discharge side should remain available. Any break down occurs and if repairing does not require shut down, it should be made available within 48 hour, for any delay beyond that penalty will be imposed.	Rs.500/- per hour
5.	If repetition of same breakdown occurs within 24 hours of maintenance due to poor workmanship.	Rs. 5,000/- for each such failure case.
6.	At least two Ash water pumps should be available all the time.	Rs.500/- per hour
7.	At least three Ash slurry pumps should be available all the time	Rs.300/- per hour
8.	Failure in carrying preventive/ schedule maintenance of drives as per scope of work.	Rs. 5000/- per HT drive Rs.2000/- per LT drive
9.	Time allotted for normal overhauling of ash slurry pumps = 96 hours. Beyond 96 hours	Rs.100/- per hour
10.	Failure in assistance in pressure parts inspection and hydraulic testing.	Rs. 5,000/- for each case.
11.	Failure of submitting calibration certificate within 8 weeks of start of the job.	Rs. 200/- per day.
12.	Failure in providing feedback of all maintenance job to the concerned officer on regular basis,	Rs. 1,000/- for each such case.

13.	After completion of any job, site to be cleared, site should be made free of oil / dust / damaged spares etc. failing which the penalty will be imposed.	Rs. 1,000/- for each such case.
14.	For supplying less manpower than the minimum indicative manpower mentioned above, a penalty of Rs. 200.00 per man day will be imposed in addition to deduction of BPSCL wage rate (as on bid opening date/RA date/Revised offer date (in case of negotiated prices) <i>whichever is later</i>) for respective category of manpower.	
15.	In case of non-availability of Site In charge.	A penalty @ Rs. 1000 per day will be imposed in addition to deduction of Rs 1300/- per day for short supply.
16.	In case of non-availability of Mill Wright Fitter.	A penalty @ Rs. 500 per day will be imposed in addition to deduction of Rs 1000/- per day for short supply.

15. Safety Rules & Regulations for Compliance :

1. Contractor will be advised to obtain Safety Clearance form Safety Engineering Department of BPSCL before start of the work.
2. Along with contract document and job instructions from our side you along with supervisor will go to Safety Engineering Department of BPSCL where you/he will be further briefed and contractor's Safety Rules Book will be handed over to you/him & explained. You are not permitted to start the job without clearance from Safety Engineering Department of BPSCL.
3. Contractor shall have to provide a list of workers to be engaged well before the start of work. All the labours and supervisors must be physically made available to undergo Safety Training Programmed in the Safety Engineering Department of BPSCL and obtain certificate before engaging them on the job your labours without certificate of training from the Safety Engineering Department of BPSCL shall not be allowed to work.
4. As the area of work is highly sensitive with respect to Safety hazards, you must take proper work permit, shutdown clearance and other instructions from Engineer-In-Charge, daily before starting the work. You will follow all the safety precautions and rules in this regard.

PRICE BID / RA FORMAT

Special Instruction –

1. In the event of L1 Bidder backing out prior to placement of order, the bidder shall be suspended for a period of 01 (one) year from the date of issue of suspension order.
2. **Price Basis: L1 bidder will be decided on mathematically lowest percentage.**

Sl. No.	Description of Job	Duration	Total Estimated Cost (excluding GST)	To be quoted by Bidder
1.	Annual Maintenance Contract (Mechanical) for TPP Boilers & Turbines. (As per Scope of work)	12 Months	Rs. 2,08,87,059.00 (Rupees Two Crore Eight Lakh Eighty Seven Thousand Fifty Nine Only) Excluding GST.	Online Price Bid (% above / % below with respect to Total Estimated Cost excluding GST) through URL : http://www.buyjunction.in

Note:

1. Goods & Service Tax: EXTRA as applicable
2. Please provide following details :

1.	GSTIN	
2.	Service Accounting Code No.	
3.	Applicable GST Rate	
	CGST (in %)	
	SGST (in %)	
	IGST (in %)	

Signature with seal of tenderer

Self Declaration

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

resident ofPS.....District.....State.....do
hereby declare that:

1. I am the authorized representative and signatory of M/s.....
(name of the firm/company).

2. All document(s) submitted/ information provided by M/s.....
alongwith the

Bid Document submitted against Tender No.....

.....dated

- for.....
..... (
Name of work) has/have been submitted under my knowledge and are authentic , genuine and true. No
part of the document(s) / information is false, forged or fabricated.

3. The above declaration in respect of genuineness of the documents/ information has been made having
full knowledge of provisions of bidding conditions which entitle the Owner/BPSCL to initiate action in
the event of such declaration turning out to be a false.

4. I undertake to produce all documents in original for verification as and when asked for the same by
BPSCL.

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

Designation:.....

ANNEXURE - VII

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

CHECKLIST OF DOCUMENT SUBMITTED BY TENDERER

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

Signature of tenderer with seal

(To be submitted on bidder's Letter Head)

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

We _____ (Contractor Name) having

PAN _____ & registered office at _____ (Address)

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

NIT No. _____ dated _____

for the work of _____

(Name of work) through Reverse Auction.

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

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

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

Name & Designation :

E-mail ID :

Contact phone nos. :

Address :

(Signature & Seal)

Place :

Date :

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

To,

mjunction services limited
 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 Percentage
	<i>To be submitted by the L-1 Bidder only after finalization of RA</i>

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

Signature :

Name :

Designation :

Date :

Format for Bid Securing Declaration (In lieu of EMD)

Date: _____

Tender Enquiry no.: _____

To
The GM In-charge (Material Management)
Bokaro Power Supply Company (P) Ltd.
Hall No. – M 01
Old Administrative Building
ISPAT Bhawan, Bokaro Steel City

I/We*, the undersigned, declare that:

I/We* understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration in lieu of Earnest Money Deposit.

I/We* understand that if I/We* withdraw or modify my / our* Bids during the period of validity, or if I am /We are* awarded the Contract and I/We* fail to honour my /our* offer by way of either withdrawing my / our* bid within the bid validity period without assigning any valid reason for the same or refusing to submit Performance Security / Performance Guarantee as per relevant Clause of the tender enquiry or refusing to accept the price quoted by me / us* in Online Price Bid or Reverse Auction within the period of validity of the same or refusing to sign the Contract Agreement, I/We* will be suspended for a period of one year from being eligible to submit Bids for all future Contracts.

I/We* understand that this Bid Securing Declaration shall cease to be valid if I am / We are* not the successful Bidder and I am / We are* not awarded the Order against the tender enquiry.

Signed _____ in the capacity of _____

Name: _____

Duly authorized to sign the Bid for and on behalf of: _____

Dated on _____ day of _____, _____

Corporate Seal (where applicable)

[Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the Bid.]

* *Please delete as appropriate*

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

You 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 you should be of internationally recognized standards. All tools and tackles bought by you for use during the contract period should have proper and valid certification by competent authority.
8. All lifting equipment, tools and accessories provided by BPSCL should be maintained and returned by you 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. You must ensure that all machinery and equipment 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 equipment/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. You must ensure optimum use of water with minimum wastage.
15. You shall ensure that the work area is kept clean, tidy, & free from debris. You are 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 your 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. You and your 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. You 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 your personnel. An investigation report assessing the root cause, corrective action, and preventative action shall be submitted by to BPSCL within 24-hours of the incident's occurrence.