

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/P&C/18-19/C-126/NIT-771/5582
Dated 30/11/2018**



TENDER DOCUMENT

**NAME OF WORK: Annual Maintenance Contract for Transformers
and equipments of 132 KV Switch Yard.**

**COST: Rs.1180/-
(Rupees One Thousand One Hundred Eighty only)**

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Bokaro Power Supply Co. (P) Ltd.

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

NOTICE INVITING TENDER

NIT No. : BPSCL/P&C/18-19/C-126/NIT-771/5582

Date: 30/11/2018

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

Description of Work	Annual maintenance contract for Transformers and Equipments of 132 KV Switch Yard
Estimated Cost (in Indian Rs.)	Rs. 28,46,735.00 (Rupees Twenty Eight Lakhs Forty Six Thousand Seven Hundred Thirty Five Only) Excluding GST.
Earnest Money (in Indian Rs.)	Rs. 15,000.00 (Rupees Fifteen Thousand) only
Cost of Tender Document (Non-refundable) (in Indian Rs.)	Rs. 1,180.00 (Rupees One Thousand One Hundred Eighty) Only including GST @ 18%
Period of Contract	01 (One) year from the date of commencement of Work. <i>(However the contract period can be extended for further one year subject to mutual consent and based of satisfactory performance at same rate, terms & conditions)</i>
Last Date & Time of submission of Tender	28/12/2018 at 12:00 Hrs. (IST)
Bid opening Date & Time	28/12/2018 at 12:15 Hrs.

Qualifying Requirements / Eligibility Criteria :

1. The Bidder shall have valid ISO: 9001-2008 Certificate (or equivalent / more advanced certification) as on Bid Opening Date.

2. **Financial Capability :**

Bidder should have Minimum average annual turnover (MAT) of **Rs. 8.54 Lakhs.**

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

3. **Technical Capability :**

Bidder should have experience of having completed **similar works** as a principle contractor (credential as a sub-contractor will be not considered) 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.

Value of such order shall be either of the following:

- a. Three similar completed works each costing not less than to **Rs. 8.54 Lakhs**
OR
- b. Two similar completed works each costing not less than to **Rs. 11.38 Lakhs**
OR
- c. One similar completed work costing not less than to **Rs. 19.92 Lakhs**

Similar Work means: means Work done as type of:

“Annual Maintenance Contract (AMC) for Maintenance / Repair jobs of Transformers and Switch yard Equipment of voltage level 132 KV or more”

OR

“Overhauling / repairing jobs of Power Transformers of voltage level 132 KV or more”

OR

“Overhauling / repairing jobs of EHV equipment like circuit breakers, lightning arrestors, isolators, etc., of voltage level 132 KV or more”.

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.)

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 etc.) along with the techno-commercial bid. In addition, bidder shall submit an affidavit as per format at **Annexure-VII**.
5. The bidder shall submit self certified copies of following:
IT Return (*Latest*), Copy of PAN, EPF and ESI Certificate, Valid electrical license for conducting contractual jobs of electrical nature (or proof of application of renewal), 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).

The bidder is also required to submit duly filled Annexure IX.

General Terms & Conditions:

- i) Offer shall be accompanied with Cost of the tender documents of **Rs. 1180.00** (non-refundable) in the shape of Demand Draft / Banker's Cheque drawn from any Nationalized / Scheduled Bank except Co-Operative Bank, in favour of **Bokaro Power Supply Company (P) Ltd.**, Payable at Bokaro Steel City.
- ii) Offer shall be accompanied with Earnest Money Deposit (EMD) of **Rs. 15,000.00 (Rupees Fifteen Thousand) Only** in the shape of Demand Draft / Pay Orders / Bankers Cheque Payable at Bokaro Steel City / Bank Guarantee having validity for one (01) year, from any Nationalized Bank / Scheduled Bank except Co-operative Bank drawn in favour of **Bokaro Power Supply Company (P) Ltd.** as per format available at our website: www.bpscl.com
In case of forfeiture of EMD by BPSCL the bidder is required to re-imburse the applicable GST to BPSCL.
- iii) However, Micro & small enterprises (MSEs) / PSU /Govt. Undertakings and Co-operative societies will be exempted from submission of cost of tender document & Earnest Money as per government policy. For MSEs the exemption from paying cost of tender document & Earnest Money will be granted only on submission of valid copy of certificate having a valid Entrepreneurs Memorandum (EM) number / Udyog Adhaar Memorandum (whichever applicable). SSI/NSIC certificate holders should also submit Entrepreneurs Memorandum / Udyog Adhaar Memorandum (whichever applicable). However unit claiming exemption is required to submit copy of registration certificate indicating clearly the item category for which they are registered.
- iv) **Offers not accompanied with Cost of Tender Document (as per clause i) or Earnest Money Deposit (EMD) (as per clause ii) or documents for exemption (as per clause iii) will be treated as INVALID.**
- v) **BPSCL reserves the right to :**
 - a) Re-tender / extend the due date of submission of offer.
 - b) Accept or reject any offer / all offers in full or part at any time at any stage without assigning any reasons and without any compensation thereof to the bidders.
 - c) Modify the tender documents at any stage before the due date of tender.

Note:

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

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

(Sanjay Pandey)
AGM (P&C)
Tel : 8986874124
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 Comprises of Cost of Tender document & EMD.
- b) **Part B:** This part Comprises of Technical and Commercial details, consent on terms & conditions of NIT/ signed Tender Document along with copy of SYSTEM GENERATED **ACKNOWLEDGEMENT-SLIP FOR ONLINE SUBMISSION OF SEALED PRICE*** bid etc.

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

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

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

1. Online sealed Price Bid (**Landed Cost Excluding GST**) through URL : <http://www.buyjunction.in>

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

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

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

New Users:

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

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

Existing Users

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

Bidding Procedure

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

Steps to accept the “Auction terms”:

1. Click on “**Auction Terms**”.

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

Steps to Submit Price Bid

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

6a. For Template Bidding

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

6b. For Non-Template Bidding

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

Steps to take a print-out of the receipt

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

Note: For any clarification on the bidding process please contact

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

Mr. Manish Nandwana _ 9163348165_ manish.nandwana@mjunction.in

Ms. Monalisa Shaw _ 9163348297_ monalisa.shaw@mjunction.in

Mr. Anshu Verma – 8873002772 - anshu.verma@mjunction.in

Mr. Mukesh Kumar Singh- 8873002741 – mukesh.singh@mjunction } for Bokaro Office

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

1.02 Tender Validity Period

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

1.03 General Instructions:

- i) Tenderer's are requested to visit site for actual assessment of the job before submission of their offer.
- ii) Tenderer shall clearly indicate that their prices are firm in all respect till execution of the work order.
- iii) **Any conditional offer or offer having deviations is liable to be rejected.**
- iv) You have to submit Tender document bearing your signature and seal on all the pages along with Techno-Commercial Offer / consent on NIT's Terms & Condition otherwise, it will be presumed that you do not accept our terms and conditions and this may lead to rejection of your offer forfeiting your claims if any.

Bidders are advised to mention page no. on each page of documents submitted by them. BPSCL shall not bear any responsibility in case of any reported loss of documents submitted by the bidder during tender opening or thereafter.

- v) 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.
- vi) The tender rates shall be written in English, both in words and figures. In case of any discrepancy between the words & figures of the rates quoted, the rates expressed in words shall be taken as correct. In case of discrepancy in the Unit Rate and Amount, Unit Rate will govern.
- vii) Price or any indication of price shall **NOT** be mentioned in the Techno-Commercial Bid.
- viii) The sealed tenders received will be opened on scheduled opening date and time in the office of Purchase & Contract, in presence of such bidders who might choose to witness the same
- ix) If name of the bidder is not mentioned on the envelope, it may be considered as unsolicited and processed as per P&WP in vogue.
- x) 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.
- xi) Communication regarding date of Opening of Price-Bid shall be displayed on the Notice board of Purchase & Contract and individual communication to the techno-commercially eligible bidders will be sent only to their e-mail address given in tender documents.
- xii) Offers from two or more bidders shall summarily be rejected if they have any of the following parameters common:
 - a) Same PAN
 - b) Same GST Number
 - c) Same Postal address
 - d) Same E-mail ID
 - e) Same Mobile number
 - f) Same person signing in more than one offer/representing more than one bidder.
- xiii) BPSCL reserves the right either to reject any/all the tenders without assigning any reason thereof.

GENERAL TERMS AND CONDITIONS

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

1.08 **Payment Terms :**

90 % of contract value will be paid on pro-rata basis duly certified by Engineer In-Charge and balance 10% will be retained as security deposit which will be released after 06 months of satisfactory execution of work.

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

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

- 1.09 You will have to strictly adhere to the provision of various labour laws including payment of bonus Act 1965.
- 1.10 You will have to pay Rs.4/- extra to the working persons as per BPSCL rules above minimum wage of one day.
- 1.11 The manpower (labour and Supervisor) deployed for completion of the job and for compliance of work & safety of the workmen should be adequate. However the compliance and completion of the job cannot be restricted to labour supply but on the actual execution of the job to be certified by the Engineer – In – charge.
- 1.12 Paying authority –In - charge (F&A), BPSCL.
- 1.13 By accepting the order you are understood to have accepted to all responsibilities for completing the work in all respect.

1.14 **GST Related Clauses :**

- a. All bidders should quote GST as extra.
- b. Bidders have to submit their GSTIN registration details to BPSCL along with supporting documents.

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

- c. Bidder would pass on the tax benefit/savings, if any, on account of output taxes to BPSCL.

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

1.15 **Work accident :**

- a. You will be responsible for the safety of the workers employed by you. In the event of any work-accident, major or minor, you/your representative must take care of the injured person immediately and provide him the required treatment as suggested by the doctor. If you/your representative are not available for medical care, the injured worker will be treated in Bokaro General Hospital and the cost of treatment will be recovered from you.
- b. You shall be fully responsible for making payment of compensation to your workmen or to those of your sub-contractor in respect of any accident or injury occurring to them. BPSCL will in no way be responsible for it and will remain indemnified against all such claims of compensation in such cases

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

If a tenderer quotes unworkable rates i.e. if the quoted price is less than the approved lower limit of the estimated price and is considered for placement of order, the party will be asked to justify the rate quoted. On non acceptance of justification / refusal of the same, the tenderer will be asked to furnish Performance Guarantee Bond (in addition to the Security Deposit) in the form of Bank Draft/Bank Guarantee. The amount of Performance Guarantee Bond will be equal to the difference between approved lower limit of estimated price and quoted price of the tenderer. Earnest Money of the tenderers who refuse to give Performance Guarantee Bond will be forfeited and they will not be considered for taking participation in any kind of Tender for next Six (06) months from the date of issue of letter to the Defaulter Firm, if order / contract is not finalised from the present tender.

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

- 1.17 **VDA Reimbursement :** Contractor has to pay his workmen as per circular/notification published by the State Government in regard to rates of payment of VDA in vogue. Nevertheless should there be any enhancement / increase in the rates of VDA circulated and notified by the State Government thereafter the VDA shall be reimbursed to them subject to production / submission of authenticated certification of the actual payment to the actual workmen deployed for the work under contract and certified by the agency as per the wages in the contract. **The base date shall be the Bid opening date / RA date / Revised offer date (in case of negotiated prices).**

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

- 1.19 **RATE FINALIZATION:** BPSCL reserves the right to finalize the rate through either of the following modes:

1. Opening of Online Price (*submitted on www.buyjunction.in*) submitted at the time of techno-commercial bid.
2. Through Reverse Auction to be conducted by our service provider **M/s. mjunction.**
3. Where it is decided not to conduct the RA, the techno-commercially accepted bidders may be asked to submit decrement in percentage (%) on their price submitted at the time of techno-commercial bid. In this case – On line price bid and % decrement shall be considered together to finalize the rate.

- 1.20 **FORCE MAJEURE** : Bidder shall not be considered in default if delay occurs due to cause beyond their control such as acts of God, natural calamities, civil wars, fire, strike, frost, floods, riot and acts of unsurpassed power. Only those causes which have duration of more than seven days shall be considered in force majeure clause. In the event of delay due to such clause the delivery / completion period will be extended for a length of time equal to the period of force majeure without imposition of Liquidated Damages at the option of owner.
- 1.21 **Banning of Business Dealings:** On arising any situation or occurrence of any event as mentioned in Clause 6 of the Guidelines on Banning of Business Dealings, the tenderer/bidder or supplier under the tendering process or contract with BPSCL, as the case may be, shall be liable for action under and in accordance with the aforementioned Guidelines. The “Guidelines on Banning of Business Dealings” shall form part of the Tender/Contract.
- 1.22 **Handling of Earnest Money:**
- Earnest Money will be refunded to the un-successful tenderer after finalisation of tender and no interest will be paid for the same. Bidders are requested to provide Bank Details for refund of EMD.
 - The amount of Earnest money may be adjusted against Security Deposit only in case of successful Tenderer.
- 1.23 **RISK AND COST:** Failure on Contractor’s part to start the work within reasonable time/ the progress of the job is poor/ for any breach of contract will entail termination of the Contract. In such an event, the job will be executed at the risk and cost of the Contractor by alternative arrangements.
- 1.24 **SAFETY CLAUSE:** Without prejudice to the right conferred by the clause above for stoppage of work for violation of safety requirements, you shall be liable for penalties mentioned below:
- i. Upto Rs. 5000/-by DGM (safety)/Head of safety Engg. Department /Head of the Department where work is being done for 1st violation of safety norm, non use of PPEs(Personal Protective Equipments) like safety shoes, hand gloves, safety helmets, goggles etc as per work requirements by you or your workers. This condition is applicable in case of violations of Road Safety norms also.
 - ii. Fine upto Rs. 20,000/- on 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 upto Rs. 10,000/- for violation in use of Full Body Harness by you or your worker for working at height (above 1.8 meter from immediate floor).
 - v. Fine Rs. 25,000/- (minimum) to Rs. 50,000/- (Maximum) for serious injuries and disabilities caused by violations as mentioned in Clause No. (i) and (iv) above.
 - vi. Independent of the above, you shall be fined Rs. 1,00,000/- (1 Lakh) or more and debarred / deregistered from taking up further contractual work in BPSCL from the date of issue of debarring / deregistering order in case any Fatal accident occurs due to violations as mentioned in Clause (i) and (iv) above.

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

Scope of Work:

List of Equipments covered under Scope of Work

Sl no	Name	Quantity
1	Transformers H.T.	30
2	Transformers L.T.	25
3	Peterson Coils	06
4	HT Bus Duct	25
5	LT Bus Duct	18
6	132 KV Breakers	18
7	132 KV Isolator	58
8	132 KV C.T.	59
9	132 KV P.T.	18
10	132 KV L.A.	48

1. Maintenance of Transformers: (55 Nos.)

- 1.1 Thorough cleaning and blowing of transformer tank, its bushings, fittings, radiators and control cabinets etc.
- 1.2 Checking and tightening of all power circuit connections on HV & LV sides.
- 1.3 Checking and tightening of all control connections in control cabinets, CT terminal boxes, etc.
- 1.4 Checking oil-leakage, if any, from tank-covers, bushings, valves, radiators, turret tops, CT terminal boxes, or anywhere else and doing the needful to arrest the leakage.
- 1.5 Checking oil-levels in conservator and bushings and topping up new oil of correct BDV, if needed.
- 1.6 Checking silica gel condition and oil-level in the Breather unit. Drying out of silica gel and rectifying defects, if any.
- 1.7 Checking the functioning of cooling fans, oil pumps and rectifying defects, if any.
- 1.8 Checking the functioning of temperature and oil level indicators, and rectifying defects, if any.
- 1.9 Checking the Buchholz relay for gas collection, oil leakage, operation of contacts, etc. and rectifying defects, if any.
- 1.10 Checking for proper earthing connections at all points and rectifying defects, if any.
- 1.11 Checking condition of pulley rope provided for OLTC tank and rectifying defects, if any
- 1.12 Checking the explosion vent and rectifying defects, if any.
- 1.13 Cleaning the area around the transformers of grass, garbage, water and leaked oil etc.
- 1.14 Taking out oil-samples from transformers for checking BDV by ETG, BPSCL.
- 1.15 Meggering at various points of power & control circuits and noting down the IR values.
- 1.16 Using right type of Fire-extinguishers during fire in switch yard and transformer yard.
- 1.17 If an isolator is provided at HT / LT power sides of a transformer, then:
 - a) Cleaning support-insulators, moving contacts, fixed contacts and rectifying defects, if any.
 - b) Checking for proper contact. Pressure and rectifying defects, if any.
 - c) Checking and tightening the power circuit connections and rectifying defects, if any.
 - d) Lubricating the sliding and rotating links of the operating lever and rectifying defects, if any.
- 1.18 Maintenance of Peterson coils:
 - a) Cleaning and blowing.
 - b) Tightening of connections.
 - c) Maintaining oil level.
 - d) Checking of proper earthing connections.
 - e) Maintaining the enclosure panels in good condition.
 - f) Rectifying defects, if any.

1.	Peterson Coils (Neutral Earthing Transformers)	06 Nos.
2.	138KV/11.5KV; 80MVA	03 Nos.
3.	138KV/11.5KV; 50MVA	03 Nos.
4.	138KV/6.9KV; 12.5MVA	01 No.

5.	132KV/6.6KV; 10 MVA	02 Nos.
6.	11.5KV/6.9KV;10 MVA	06 Nos.
7.	11.5KV/6.9KV;15MVA	01 No.
8.	11.5KV / 290V; 1000KVA	05 Nos.
9.	6.6KV/415V to 440V; 400KVA to 1250KVA	28 Nos.
<i>(Except Transformer Nos. 40T, 41T, 42T, 43T & 44T)</i>		

2. **Maintenance of Bus-ducts (HT-25 nos. + LT-18 nos.) of Transformers:**

- a) Thorough cleaning of buses and their support-insulators inside bus-ducts using markin-cloth, vacuum-cleaner and air-blower etc.
- b) Replacement of defective support insulators, if detected during inspection.
- c) Checking and tightening of bus-support bolts and insulator- fixing bolts.
- d) Checking and ensuring proper sealing of duct inspection-covers.
- e) Inspection, cleaning and connection-tightening of CTs, PTs and reactors, etc, mounted on the buses.
- f) Rectifying defects, if any.
- g) IR measurement before and after the preventive maintenance work.

i.	11.5KV Bus-ducts from / to TGs, GTs UATs & ETs for Unit Nos. 7&8 <i>(In Transformer Yard)</i>	06 Nos.
ii.	11.5 KV Bus-ducts from / to 11.5 sections Transformer Nos. 1T, 2T and GT6 <i>(In Transformer Yard)</i>	09 Nos.
iii.	11.5 KV Bus-ducts from / to 11.5 KV section Transformer Nos. 20T, 21T, 22T & 23T <i>(In Transformer Yard)</i>	04 Nos.
iv.	11.5KV Bus-ducts of TU6 <i>(In Transformer Yard)</i>	03 Nos.
v.	11.5 KV Bus-ducts of ET of Unit 6	03 Nos.
vi.	LT Bus-ducts of 6.6 KV / 433V Transformers. to 440 V sections	18 Nos.

3. **Maintenance of 132 KV Circuit Breakers (18 Nos.):**

a) **132 KV Minimum Oil Circuit Breakers**

1. Thorough cleaning and blowing of Interrupter unit, support insulator, operating insulator, base-frame and marshalling box.
2. Cleaning of operating-mechanism (after discharging the operating spring).
3. Checking and cleaning the links of operating mechanism.
4. Checking lubrication of Ball bearings and needle bearings of the operating mechanism.
5. Using grease-gun to lubricate the parts provided with grease-nipples (avoid excessive lubrication).
6. Applying thin layer of grease on teeth of the gear.
7. Lubricating sliding surfaces and plunger of electromagnets by machine oil (friction clutch should not be lubricated).
8. Checking spring charging motor.
9. Checking settings and other adjustments of the operating mechanism and closing spring.
10. Checking and cleaning the auxiliary switch contacts of the circuit breaker.
11. Checking and cleaning of power contact tips and arcing rings of fixed contacts.
12. Checking and repairing oil leakage by replacing the oil-seals and gaskets (only after depressurizing and draining the interrupter).
13. Cleaning sludge and soot from extinguishing chamber (by transformer oil only).
14. Checking oil level in the gauge glass.
15. Checking N₂ gas pressure.
16. Checking dielectric strength of insulating oil.
17. Checking idle operation of the circuit breaker electrically (local and remote).
18. Checking the indication lamps.
19. Measuring the IR of live parts.
20. Rectifying defects, if any.

b) **132 KV SF₆ Circuit Breakers (Hydraulic or Spring-spring type)**

1. Thorough cleaning and blowing of breaker-base, support-insulator, interrupter unit and relays and equipments installed inside control unit box.
2. Checking and tightening of connections of control wires at relay terminals and row of terminals inside control cabinet box.
3. Checking and tightening of auxiliary switch contacts and connections.
4. Checking pressure and filling of SF₆ gas, if needed, as per norms.
5. Evacuation of SF₆ Gas from breakers, storing and re-filling.

6. Checking leakage in the hydraulic system, if any.
7. Filling of the specified fluid (Aero shell Fluid-4) in the Electro Hydraulic operating mechanism, as per norms, if required.
8. Venting out the air-bubbles from the hydraulic system after filling of oil from:
 - a) Suction line of pump.
 - b) Venting valve on the distributor head of the hydraulic storage cylinder (Accumulator).
 - c) Venting screw at the tripping block (Pilot valves).
 - d) Venting screw on the main valve.
9. Checking priming pressure of Nitrogen before pressurizing the electro hydraulic system.
10. While depressurizing and pressurizing the oil system, checking the settings of different pressure relays, starting / stopping of oil pump and different signals in the fascia including the primary pressure of N₂ gas.
11. Measuring the current of the oil-pump motor at the increased oil-pressure value.
12. Replacing defective interrupter pole, if any.
13. Dismantling of defective interrupter pole, if any, rectifying defects like damaged seals, etc.
14. Carrying out 'test' operation of the Breaker.
15. Measuring Insulating resistances of the Breaker.
16. Checking 'Earthing' strips connections to Breaker body.

a.	MOCB (BHEL make)	03 Nos.
b.	SF6 Breakers (BHEL make)	04 Nos.
	SF6 Breakers (SIEMENS make)	11 Nos.
<i>(The actual number of different types of breakers may change as per modernization Programme and also as per installation of New Breakers in place of old breakers)</i>		

4. **Maintenance of 132 KV Isolators (58 Nos.):**

- a) Thorough cleaning of Isolator, Power-arms, Power-contacts, relays, limit switches and auxiliary contacts, etc., by cloth, portable air-blower, contact cleaner, etc.
- b) De- carbonization of Power contacts by contact cleaners, etc.
- c) Measurement and adjustment of contact pressure between male and female power contact of isolators.
- d) Inspection, cleaning and greasing of take-off assembly.
- e) Cleaning, connection-tightening, greasing, defect rectification and IR measurement of operating motor.
- f) Cleaning and greasing of gear box.
- g) Inspection and tightening of insulator top connectors and conductors.
- h) Cleaning and tightening of control circuit connection in the marshalling box.
- i) Checking the alignment of Isolator and rectifying the defects, if needed.
- j) Greasing of joints of operating levers.
- k) Checking operating system of earth device and rectifying the defects.
- l) Replacement of different parts such as, power contacts, power arms, take-off assembly, connectors, Insulators-column, motor, gearbox, relays, limit-switches and auxiliary-contacts blocks etc., if found defective or damaged.

5. **Maintenance of 132 KV CTs (59 Nos.) and 132 KV PTs (18 Nos.):**

- a) Thorough cleaning of Isolators and the main equipment.
- b) Checking and tightening of connection and conductor including their repair and replacement as per the requirement.
- c) Checking leakage of oil and gas and carrying out its repair, if detected.
- d) Filling - up transformer oil / N₂ gas as per the requirement and as per manufacture's recommendation.
- e) IR measurement.
- f) Replacement of the old CT and PT by a new one under renovation Programme, if the old one is found defective or damaged.

6. **Maintenance of 132 KV Lightning arresters (48 Nos.):**

- a) Thorough cleaning of the lightning arrestor element and support insulators using marking cloths.
- b) Checking and tightening of connectors and conductor including their repair and replacement as per the requirement.
- c) Giving assistances to ETG, BPSCL in carrying out 'Testing' of lightning-arrestor (IR before and after, leakage current and flash-over test).
- d) Replacement of the old lightning arrestor by a new one under renovation Programme if the old one is found defective or damaged.

7. **Maintenance of conductors, connectors and insulators (Lot):**
 - a) Checking of conductor and doing repair or replacement if stand cutting or unwinding or any other type of damage is noticed.
 - b) Checking of connectors and doing repair or replacement if pitting, melting or any other type of damage is noticed.
 - c) Cleaning and checking of the entire insulator for cracks and tracking.
 - d) In case of crack, replace the insulator and in case of tracking, clean the traced surface and apply insulating varnish.
8. **'Hot-point' rectification, detected during Thermography survey:**
 - a) Conducting thermography survey in 132 KV Switch Yard & Transformer Yard on every alternate day.
 - b) Repair, cleaning and tightening of conductor and connector.
 - c) Replacement of conductor / dropper/ connector as per the requirement.
9. **Condition monitoring of equipments :**
 - a) Regular inspection of EHV equipments such as Breakers, CTs, PTs and Transformers along with their accessories etc. against any visible abnormality
 - b) Checking of oil-level, oil-pressure, N₂ gas pressure, SF₆ gas pressure, transformer-oil temperature, transformer-winding temperature, running of fans and pumps & breather etc.
 - c) Checking of oil and gas leakages.
 - d) Recording of all the above observations systematically in tabular form.
 - e) Planning and rectifying the defects one by one, detected during condition-monitoring inspection.
10. **Replacement & Renovation:**
 - a) Replacement of equipments like CB, CT, PT, LA, Bushing & Insulator etc. where much technology and complexity is not involved.
 - b) Providing only assistance in making replacement or doing major overhauling of equipments where technological complexity is involved.
11. **Trouble shooting in all the three shifts:**

If any trouble arises in the transformers and outdoor EHV switchyard equipments, it is to be solved immediately. Readiness for taking up a job should always be there round the clock.
12. **Attending to breakdowns:**
 - a) Repair/ replacement of the equipments under breakdown.
 - b) After attending to the breakdown, the equipments is to be kept under observation when it is put back into service.
 - c) During breakdown, the repair-job will be continued round the clock as per the instruction of Engineer in-charge.
 - d) At the occurrence of a breakdown, your supervisor will mobilize his group within an hour to start the work.
 - e) Providing assistance to 'shift-operation' group in isolating and normalizing the equipments under 'Breakdown-repair'.
13. **Maintenance of Earthing-system.**
 - a) Regular inspection & maintenance of Earth pits, Electrodes, Earth-strips, their joints and doing repair as per the requirement.
 - b) Measuring earth-resistances in Transformer yard and Switchyard and noting down the values in tabular form twice a year.
 - c) Ensuring earth-resistance values within norms by doing treatment with water and salt, wherever needed or once in every year.
14. **Cleaning of Switchyard (209m x 98m approx.), Transformer yard (192m x 22m approx.) and Transformer-rooms.**
 - a) The switchyard and transformer yard areas must be cleaned off dust, weeds and waste materials daily using brooms and brushes and the collected garbage must be disposed off, using hand trolleys, to a garbage-dumping bin or place, located at some secluded corner or outside the switchyard & transformer yard.
 - b) In rainy season, drains and cable-trenches etc. should be regularly inspected and cleaned twice in a week, so as not to allow water-logging.
 - c) The control cabinets and marshalling boxes are to be regularly cleaned twice in a week using air-blowers and insulated dry brushes.
 - d) Floors of transformer-rooms are to be cleaned regularly twice in a week using Hardware's.
 - e) Dust and garbage, accumulated due to cleaning activities as well as maintenance & repair activities, should be disposed-off to a garbage-dumping bin or place, located at some secluded corner outside.

15. **Housekeeping:**
- a) Scrupulous material found littered and garbage generated during repair-work must be cleaned and disposed-off immediately in the dust-bin or to a garbage-dumping place, located at some secluded place.
 - b) Spares, consumables, tools, tackles, kits and instrument etc. must be kept nicely arranged on racks and in Amirah's.
 - c) The final outcome of all the activities pertaining to housekeeping should be:
 - i. The equipments are maintained neat and clean.
 - ii. The transformer yard and switchyard should look tidy and in order.
 - iii. Sufficient numbers of fire-fighting equipments are available at required places.
 - iv. No seepage of water and ingress of dust in bus ducts and control cabinets etc.
 - v. Switchyard should be manned by duty-post man round the clock and entry of unauthorized persons completely stopped.
16. **Assistance to operation group in carrying out isolation and normalization:**
During shut- down and normalization providing assistance to operation group for operational activities in Switch yard.
17. **Filtration of transformer-oil of LT supply Transformers:**
- a) Providing assistance in periodical checking of IR of windings and Oil BDV.
 - b) Carrying out filtration of transformer-oil of LT supply transformers as per the instruction of Engineer in-charge / BPSCL.
 - c) Maintaining proper records of the above activities
18. **Logging and Record-keeping:**
- a) The contractor will maintain job-progress record on daily basis.
 - b) Check-list will have to be filled up pertaining to important equipments as and when they are taken for maintenance and repair.
 - c) Maintenance and repair record of all the equipments in the area of responsibility along with their technical specifications will have to be maintained.
 - d) An updated record of spares requirement and their available stock will have to be maintained and also their consumption-pattern.
 - e) All the records must be systematic and up-dated so that, it may be retrieved and presented any time on demand.
19. **Painting of structures (20 bays) and equipments (as per the list given above) and labeling:**
- a) Painting of structures in transformer yard and switchyard installed in 20 bays
 - b) Painting of metallic portions of equipments and cabinet boxes etc. in switchyard & transformer yard.
 - c) Painting of transformers and Peterson coils along with their control cabinets in transformer yard and peripheral sub-stations.
 - d) Painting of fencing and gates
 - e) Labelling of equipments
20. **Spare conservation of the Switch yard and Transformer yard equipment:**
- a) Checking the leakage of spare transformer oil kept in drums and tanks.
 - b) Inspection and cleaning of spare transformer, CBs, PTs, CTs etc.
 - c) Condition monitoring of spare Clamp, Conductor etc.
 - d) Maintenance of usable used equipment as spare.
21. **Filtration of transformer-oil of HT Transformers**
- a) Providing assistance in periodical checking of IR of windings and oil BDV.
 - b) Carrying out filtration of transformer-oil of HT transformers as per the instruction of Engineer in charge / BPSCL.
 - c) Maintaining proper records of the above activities

SPECIAL TERMS & CONDITIONS:

- i. The **minimum indicative manpower** required for executing the job is as follows on daily basis except weekly off:
 - a. Diploma Supervisor : 01 No.
 - b. Non- diploma Supervisor : 01 No.
 - c. Skilled Workers (*including one Welder*) : 05 Nos.
 - d. Semi Skilled Workers : 02 Nos.
 - e. Unskilled Workers : 06 Nos.
- ii. **Job competence of working personnel**
 1. Supervisors of the job executing agency must have keen familiarity with the power system practices and the types of equipments as used in power generation and distribution network in a Thermal Power Plant.
 2. Working personnel of the contractor must have a thorough knowledge of carrying out maintenance and repair jobs of Transformers and 132 KV Breakers, Isolators and other equipments of EHV outdoor switchyard system of different make and types as installed in our Plant so as to cover up their responsibility-area confidently and perform the jobs successfully. Their workmanship should be of high skilled/ expert grade.
 3. Supervisors and technicians, deployed for doing the jobs, should have enough job experiences and high level of competence in all the relevant areas.
- iii. **Guidelines regarding performance of work**
 1. The contractor will perform the subject work in accordance with the guidelines contained in the work order, technical specifications of equipments/ devices, IS codes of practice, and the instructions of the Engineer in-charge (BPSCL).
 2. 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 to BPSCL.
 3. In case of any doubt or contradiction regarding jobs, the decision of BPSCL will be final and abiding.
- iv. **Test certificates of safety equipments**
 1. All safety appliances like helmets and safety belts, etc, must confirm to relevant IS standard.
 2. Tools used by electricians must be of electrical grade and confirm to relevant IS standard.
- v. **Gate-passes for contractor's employees** : Contractors will have to arrange for necessary gate-passes, vehicle-passes and permission for working in Sundays, holidays or during night-hours for their regular employees and expert for special defects.
- vi. **Work permit:** As the area of work is highly sensitive with respect to safety hazards, supervisor / engineer of the contractor must take proper work-permit, shutdown clearance and other instructions from the BPSCL authority, daily before start of the work
- vii. **Compliance with various Labour laws and Electricity rules:** The contractors will have to strictly comply with the provisions of various labour laws, electricity rules, Workmen Compensation Act, EPF and ESI rules, etc., as applicable for working at site of Power Plant, BPSCL. The contractors shall be directly responsible for all the consequences arising from their non-compliances and BPSCL will remain indemnified against all such implications pertaining to them.
- viii. **Load- lifting equipments** : All the load lifting equipments like ropes, D-shackles etc., must be maintained properly.
- ix. **Inputs by BPSCL (Free of cost):** Following materials shall be provide by BPSCL ,free of cost, for execution of job:-
 1. Transformer-oil and filtration machine.
 2. Mobile crane, Truck and Fork lift.
 3. Compressed air, electricity and water.
 4. All types of spares needed to be replaced during the repair-work of Transformers and 132 KV Breakers, Isolators and other equipments of the EHV outdoor switchyard system.
 5. Industrial gases for carrying out gas-cutting and welding.
 6. Gaskets, insulating varnish, grease, sealants, lubricants, 'O' rings, rubber chords, oil seals , nuts and bolts, paints, thinner, etc.
 7. General and special purpose welding electrodes and brazing rods.
 8. Steel plates, MS Pipes, angles, channels & GI Pipes etc.
 9. N2 gas, SF6 gas and hydraulic oil for SF6 Breakers etc
 10. Power and control cables, lugs, glands, HT tape and crimping tools etc
 11. Machining facilities as available in Area Repair Shop of BPSCL
 12. Different sizes of simple and telescopic platform ladders.

- x. **Deviations and Exclusions**
- a. The contractor will have to perform all the jobs mentioned in this document without any deviation and exclusion covering all the equipments.
 - b. This is an Annual Maintenance Contract (AMC) wherein Preventive Maintenance, Repair Activities, Breakdown Maintenance are required to be carried out along with all other related jobs as per the details given in the 'Scope of work' pertaining to the equipments as listed below:-
 1. All the 132 KV Equipments and their associated accessories as installed in outdoor Switchyard of TPP, CPP & Unit #9 of Power Plant, BPSCL.
 2. All the Transformers, their bus-ducts and the associated fittings and the Peterson-coils of TPP & CPP of Power Plant, BPSCL (except transformer nos. 40T, 41T, 42T, 43T & 44T installed in 6.6 KV Switch Gear of TPP).
- xi. **Analysis of Faults:** If any breakdown occurs, it is to be analyzed to find out its root cause. Once the cause is identified, its remedial measure is also to be thought out and incorporated in consent with the Engineer in-charge (BPSCL) so that, a similar breakdown does not occur again.
- xii. **Job planning and scheduling**
- a. After assessing the total quantum of work, job planning & scheduling will have to be done so that, job fulfillment target is achieved in all areas.
 - b. Planned shutdown of any particular equipment, line, etc., may not be available on some particular day due to unfavorable plant condition. Planning is to be re-scheduled accordingly.
- xiii. **Preservation of Spare Parts:** Spares as well as the dismantled parts of equipments will have to be kept safely and preserved properly, maintaining a systematic record of them. Spare conservation is to be done regularly.
- xiv. **Workmanship Guarantee:** If any repair fails within the next six months, the contractors will be held responsible for it and the contractors shall have to rectify the same at no extra cost.
- xv. **Subletting of Contract:** The contractors may engage sub-contractors only after approval by BPSCL. The contractor shall apply for the same with complete credentials of the proposed sub-contractors (including proofs of valid Electrical Contractual License, ESI, EPF, ITR, Service Tax Registration, etc., whichever applicable), duly forwarded by the engineer in-charge (BPSCL). However the job shall be done under the technical & administrative control of principal contractor. Labour license, CLC clearance etc. are to be obtained by the subcontractors under the responsibility of the Contractor. Engagement of subcontractor will not relieve contractor from any of his responsibility.
- xvi. **Regular Inspection and monitoring of Equipments in the system :**All the equipments and devices installed in the EHV Switch Yard of Power Plant, BPSCL, are to be inspected regularly by the Engineers / Technicians engaged by the contractor, and various technical parameters are to be noted. Monitoring of conditions and technical parameters are to be taken-up for planning of shut-down / maintenance schedules for healthy up-keep of equipments.
- xvii. **Penalty Clause:**
- a. If the manpower deployed is less than as given in **clause i** above, a penalty of Rs. 200/- per manday 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 Price)*) for respective category of manpower.
 - b. If a breakdown occurs either due to poor workmanship or negligence, a penalty of Rs. 1000/- will be imposed.
 - c. If the cleaning of the Transformer yard, Switchyard and Transformer-rooms is not found to be maintained up to the mark or water-logging is detected somewhere in the above areas, a penalty of Rs. 1000/- will be imposed.

PRICE BID/ RA FORMAT

Special Instruction –

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

Sl. No.	Description of work	Amount (Rs.)
1.	Annual maintenance contract for Maintenance & Repair Jobs of Transformers, and Equipments of 132 KV Switch Yard.	Online Price Bid (Landed cost excluding GST) through URL : http://www.buyjunction.in
LANDED COST		

Note: GST extra as applicable

Signature with seal of tenderer

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		
9.	ISO Certificate		
10.	Electrical Licence		
*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 Price
	<i>To be submitted by the L-1 Bidder only after finalization of RA</i>

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

Signature :

Name :

Designation :

Date :

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

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

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