

BOKARO POWER SUPPLY CO. (P) LTD.

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

CIN:U40300DL2001PTC112074

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

TENDER NOTICE NO.: BPSCL/CEO/P&C/18-19/C-003/NIT-725/1376

Dated 05/04/2018



TENDER DOCUMENT

NAME OF WORK: Dismantling, Complete Repair, Rewinding with new copper conductor, Heating, Drying, Testing & Commissioning of one No. of 10 MVA, 132 KV/ 6.9 KV Transformer.

COST: Rs.1180/-
(Rupees Eleven 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

NOTICE INVITING TENDER

CIN:U40300DL2001PTC112074

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

NIT No. : BPSCL/CEO/P&C/18-19/C-003/NIT-725/1376

Date: 05/04/2018

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

| | |
|---|---|
| Description of Work | Dismantling, Complete Repair, Rewinding with new copper conductor, Heating, Drying, Testing & Commissioning of one No. of 10 MVA, 132 KV/ 6.9 KV Transformer |
| Estimated Cost (in Indian Rs.) | Rs. 32,88,800/- (Rupees Thirty Two Lakhs Eighty Eight Thousand Eight Hundred only) excluding GST. |
| Earnest Money (in Indian Rs.) | Rs. 15,000/- (Rupees Fifteen Thousand) only |
| Cost of tender documents (Non-refundable) (in Indian Rs.) | Rs.1180/- (Rupees One Thousand One Hundred Eighty) Only including GST @ 18% |
| Period of contract | 01 (One) year (However job is to completed within 06 months from lifting of transformer from site) |
| Last date & time of submission of tender | 11/05/2018 at 12.00 Hrs. (IST) |
| Bid opening Date & Time. | 11/05/2018 at 12:15 Hrs. (Part A & B) |

Qualifying Requirements / Eligibility Criteria :

1. The Bidder should be a valid (up to date) ISO: 9001-2008 (or advance) certified company, while submission of tender
2. **Financial Capability :**
Bidder should have Minimum average annual turnover (MAT) of **Rs. 09.85 Lakhs**
 - Average annual turnover shall be determined taking into consideration turnover of available preceding three consecutive financial years. Other income shall not be considered for arriving at annual turnover.
 - Audited annual accounts along with auditor's report of the bidder should be furnished in support of the same. Where audited annual account is not mandatory as per the law, the bidder has to submit annual financial turnover during the 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** in any Public Sector Undertaking / Government / Semi Government organization or joint venture thereof / Company registered under Companies Act during last 7 years ending last day of month previous to the one in which offer are invited shall be either of the following:

Three similar completed works each costing not less than to **Rs. 09.85 Lakhs**
OR
Two similar completed works each costing not less than to **Rs. 13.15 Lakhs**
OR
One similar completed work costing not less than to **Rs. 23.00 Lakhs**

 - **Similar Work means:** *Repairing, Rewinding, Testing & Commissioning of oil filled Transformer 10 MVA or more with 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-VI**, declaring that the documents submitted by them are genuine.

5. The bidder shall furnish authenticated copies of latest IT Return, GSTIN, EPF certificate, ESI Certificate & valid Electrical license.

The bidder is also required to submit Annexure VIII & IX as instructed there in.

General Terms & Conditions:

i) Offer shall be accompanied with Cost of the tender documents of **Rs. 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 including claim period of 03 months*, 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 notarized copy of certificate having a valid Entrepreneurs Memorandum (EM) number / Udyog Adhaar Memorandum (whichever applicable). SSI/NSIC certificate holders should also submit a copy of Entrepreneurs Memorandum / Udyog Adhaar Memorandum (whichever applicable). However unit claiming exemption is required to submit notarized copy of registration certificate indicating clearly the item category for which they are registered.

If such units do not enclose Entrepreneurs Memorandum (EM) number / Udyog Adhaar Memorandum (whichever applicable) the unit may be considered as general bidder & required to submit Cost of Tender document and Earnest Money Deposit (EMD).

iv) **BPSCL reserves the right to :**

a) Re-tender / extend the due date of submission of offer, if response to tender is not adequate or otherwise.

b) Accept or reject any offer / all offers in full or part at any time at any stage without assigning any reasons whatsoever and without any damage / 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

Sd/-

(J.M Prasad)

DGM (P&C)

Tel : 8986874098

Email: purchase.bpscl@gmail.com

Conditions & Rules to be observed in submitting Tenders

1.01 Manner of Submission of the Tender

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

- a) **Part A:** This part Comprises of Cost of Tender document & EMD, NIT No. & date marked with Part A.
- b) **Part B:** This part Comprises of Technical and Commercial details, consent on terms & conditions of NIT along with copy of System generated **acknowledgement-slip** for Online submission of sealed price bid etc. marked with (Part-B) Techno-Commercial Bid, NIT No. & Date (*In hard copy*)

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

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

- c) **Part C:** Online sealed Price Bid through URL : <http://www.buyjunction.in>

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

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

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

Step 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 available before proceeding further (where ever applicable).

New Users:

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

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

Existing Users

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

Bidding Procedure

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

Steps to accept the “Auction terms”:

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

Steps to Submit Price Bid

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

6a. For Template Bidding

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

6b. For Non-Template Bidding

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

Steps to take a print-out of the receipt

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

Note:

1. **Current price, Market status, Start Bid Price, Bid Decrement, Effective Price** will not be available.
2. Time remaining for the event to close will be shown under the Bid Summary screen.
3. For any clarification on the bidding process please contact

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

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

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

Mr. Randhir Kumar Karn – 8873002772 - randhir.karna@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 to be submitted along with Techno-commercial Bid.

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

1.02 Tender Validity Period

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

1.03 General

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

General Terms and Conditions

- 2.01 Bidders are requested to visit the site before submission of the bid to get acquainted with actual site condition.
- 2.02 You will have to follow and observe the safety & statutory requirements.
- 2.03 You will have to fully responsible for any sort of unsafe activity of your workmen.
- 2.04 All working personnel should have proper safety certificates issued by BPSCL before start of work.
- 2.05 Supervision of the work has to be carried out by the agency.
- 2.06 Work is to be carried out as per instruction & satisfaction of the Engineer-In-Charge.
- 2.07 Rates are to be quoted on firm price basis. Any conditional offer is liable to be rejected.
- 2.08 In case of any documents/information submitted by the bidder(s) found to be false or containing any misrepresentation of having any fraudulent declaration in it then in such eventuality legal action (including cancellation of contract, banning of business dealing, forfeiture of EMD, criminal proceedings etc.) as deemed fit may be initiated by BPSCL against the bidder.
- 2.09 **Payment Terms :**
90% of contract value will be paid on pro-rata basis on progressive jobs duly certified by Engineer In-Charge and balance 10% will be retained as security deposit which will be released after **06 months** of satisfactory execution of work.
- The expression satisfactory execution of the order shall mean fulfillment of all obligation arising out of and the guarantees stipulated in the contract. In default at satisfactory execution of the order the security deposit shall be forfeited to the BPSCL.
- Any penalty for which the successful tenderer shall be found liable or any liquidated damages which shall be payable to the BPSCL in terms of the Contract, shall also be recoverable by the BPSCL from the Security deposit. If such security deposit will not be adequate for the purpose of liquidating the amount of penalty and/or damages as contemplated, the amount in excess thereof shall be deducted from any sum or sums which may be due or may become due to the successful tenderer from the BPSCL on any account whatsoever.
- Notwithstanding what has been stated above if the successful tenderer shall have duly performed all his obligation under and the guarantees stipulated in the contract and observe all the terms and conditions thereof and no penalty shall have been recoverable from him and / or the BPSCL shall not have suffered any damages whatsoever, then security deposit shall be refunded, on receipt of a certificate from the Engineer in - charge that there is no claim against the Successful tenderer under the Contract.
- 2.10 Bidder will produce medical fitness certificate for his workers prior to CLC clearance for working at height. Height passes to be obtained from safety department.
- 2.11 You will have to strictly adhere to the provision of various labour laws including payment of bonus Act 1965.
- 2.12 You will have to pay Rs.4/- extra to the working persons as per BPSCL rules above minimum wage of one day.
- 2.13 Offer is to either type written or by handwritten and in no case partly type written and partly hand written. No corrections, overtyping shall be permitted without duly authenticated.
- 2.14 Tenders shall be accompanied by a copy of latest IT Return submitted, GSTIN of the Individual/Party/Firm submitting the Tender.
- 2.15 Paying authority –In - charge (F&A), BPSCL.
- 2.16 Tenderers shall quote their firm rates and no negotiations will be held except with the lowest tenderer, if required.
- 2.17 In accepting the order you are understood to accept to all responsibilities for completing the work in all respect.

2.18 **GST Related Clauses :**

- a. All bidders should strictly quote GST as extra. Offers with GST as inclusive will not be acceptable and will be liable for rejection.
- b. Bidders have to submit their GSTIN registration details to BPSCL along with supporting documents.

| | | | |
|---|-------------------------------------|-------------|--|
| 1 | GSTIN | | |
| 2 | Service Accounting Code No. | | |
| 3 | A | CGST (in %) | |
| | B | SGST (in %) | |
| | C | IGST (in %) | |
| 4 | Total GST (3A+3B+3C) (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.

2.19 The manpower (labour and Supervisor) deployed for completion of the job and for compliance of work & safety of the workmen should be adequate. However the compliance and completion of the job cannot be restricted to labour supply but on the actual execution of the job to be certified by the Engineer – In – charge.

2.20 **Work accident :**

- a. You will be totally responsible for the safety of the workers employed by them. In the event of any work-accident, major or minor, your representative you must take care of the injured person immediately and provide him the required treatment as suggested by the doctor. The injured person may be admitted to BGH for the treatment by paying the charges as demanded by the hospital authority.
- b. You shall be fully responsible for making payment of compensation to your own workmen or to those of your sub-contractor in respect of any accident or injury occurring to them. BPSCL will in no way be responsible for it and will remain indemnified against all such claims of compensation in such cases

2.21 **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 reimburse the applicable GST to BPSCL.

2.22 RATE FINALIZATION:

BPSCL reserves the right to finalize the rate through either of the following modes:

1. a. Either through Online Seal Bid Price Bid obtained just before Reverse Auction

OR

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

2.23 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 of at the option of owner order may be cancelled without any liability what so ever on the part of the owner.

2.24 The Parties should clearly indicate their prices firm in all respects till execution of the work order.

2.25 Special Instruction: Tender will be opened on **11.05.2018 at 12.15 PM**. If it is declared a holiday by BPSCL then in the next working day at the same time in the presence of Tenderer's Authorized Representatives, who wish to be present.

Scope of works:

1. Inspection of the Rail-tracks and making them fit for moving of the transformer over it.
2. Disconnection of the old transformer which is to be removed from foundation as per direction of engineer-in-charge, BPSCL.
3. Shifting of the transformer to the place of loading.
4. Removing the mountings and accessories of the transformer as per the requirement for safe transportation to the place of repair, through a long road journey.
5. Loading the transformer, the removed mountings and accessories, packed properly, on a trailer of suitable size. Mobile cranes for loading of the transformer on the trailer will be supplied by BPSCL free of cost.
6. Fixing & tying the transformer and the removed mountings / accessories (packed properly) firmly over the trailer.
7. Transporting the transformer and the removed mountings & accessories to the place of repair and unloading there safely.
8. Carrying out routine testing of the transformer to assess the condition of the transformer before start of the repair work.
9. Draining out of transformer-oil.
10. Dismantling of the transformer.
11. Un-tanking of core and winding of transformer.
12. Carrying out a thorough joint inspection along with Engineer in-charge, BPSCL, of the dismantled and un-tanked transformer to find out any surprise element of repair or replacement work which is not covered under the scope of work listed here.
13. Cleaning of tank, conservator, radiator, pipe, explosion vent and all other associated parts and painting by the recommended grade quality paint.
14. Painting of inside of transformer tank is to be done with Zink-chromate paint or air dry varnish which should be of suitable grade resistant to transformer-oil.
15. Painting of outside surfaces of transformer and parts by super gloss enamel paint of smoke grey colour of weather-resistant grade.
16. Maintenance and repairing of all the valves (drainage, sampling & filtration valves), including Butter-fly valves and air-release plugs, oil-level indicators, etc. Replacement of any of them, if required.
17. Dismantling of core and removal of windings.
18. Preparation of data pertaining to windings and core as per original design.
19. Dismantling of transformer core.
20. Cleaning, re-insulation of all laminations and subsequent re-assembly of core.
21. Changing of core insulation and re-insulation of core bolts.
22. New insulating materials (such as varnish-coated paper, backelized paper tubes and spacing strips of electrical press board, etc.) will be used while doing re-insulation of core lamination and core bolts and doing re-assembly of core.
23. Manufacturing of set of new coils (both HV & LV) with New Copper Conductors and new insulations of proper grade as per standard norms (relevant IS norms) suitable for normal rated voltages of 138 KV on HV side & 6.9 KV on LV side (at power frequency).

24. Replacing both HV & LV old windings of transformer with newly manufactured coils, as per above clauses, with the data as per original design.
25. New insulating materials (such as, backelized paper cylinder, cable paper, bonded electrical press board & taffeta tape, etc.) will be used while doing rewinding of the transformer.
26. Drying, varnishing and curing of HV /LV coils.
27. Placing the coils properly with respect to the core and doing assembly of the core.
28. Varnishing and curing of the transformer windings.
29. Maintenance, repairing, testing, checking of operation & checking of contacts (proper making of contacts with perfect spring pressure) at all positions of tap changer(s). Modification of Tap changer(s), if required.
30. Maintenance and repairing of both the Buchholz relays. Replacement if required.
31. Calibration, testing and fitting of WTI and OTI along with accessories. Replacement if required.
32. Boxing up of the transformer with new gaskets and oil seals. All the oil-seals and gaskets of HV & LV bushings, Tap-changer, Radiators, associated pipe-lines, Valves, Inspection-covers, Inner-chambers, Temperature-sensing pockets, Oil-level indicators and Tank-cover, etc. are to be replaced with new ones.
33. Replacement of old silica-gel by new silica-gel in the Breather units.
34. Filling up tested new transformer oil of EHV grade (as per IS-335, 1993, or its latest amendment) in the transformer and doing hot oil circulation with the help of an oil-filtration machine until desired IR / PI is achieved.
35. Carrying out the following checks for:
 - i. Buchholz relays-‘Low oil level’ and ‘Tripping’ signals
 - ii. Oil level in conservator –‘Low oil level’ signal
 - iii. Oil and winding temp. Indicators-‘Temp. is high’ and ‘Tripping’ signals.
36. Testing of the transformer as per the list given below: - (In presence of Engineer in-charge of BPSCL).
 - i. High voltage test at mains frequency for one minute as per norms.
 - ii. Measurement of IR / PI before and after HV test.
 - iii. Voltage ratio test at all taps.
 - iv. Vector group test.
 - v. Magnetic balance test.
 - vi. Short circuit test.
 - vii. Measurement of DC resistance of windings.
 - viii. Tan Delta test.
 - ix. Magnetizing current test.
 - x. BDV test of transformer oil.
37. Transporting back the repaired / rewound transformer, along with dismantled parts & accessories, packed properly, to BPSCL Power Plant site and unloading there at a suitable safe place on rail-tracks in the Transformer yard, or on the foundation of suitable transformer (as directed by the engineer in-charge of BPSCL). Mobile cranes will be supplied by BPSCL free of cost for unloading of the transformer.
38. Putting back all the earlier removed mountings and accessories on the repaired / overhauled transformer after doing their proper inspection, maintenance and cleaning.

39. Carrying out testing of the repaired /overhauled transformer at the site. Lists of tests to be carried out, will be same as above done earlier at the place of repair.
40. Topping-up new tested transformer oil of a slight / marginal quantity (if at all so required) in the transformer to attain the required level in the conservator.
41. Carrying out hot oil circulation in the transformer, if required, with the help of an oil-filtration machine till the required values of IR / PI are achieved.
42. Checking all points of seepage and leakage of oil from the transformer and rectifying the defects, if any, at all points.
43. Releasing air from all vents of the transformer including all the radiators, Buchholz Relays, etc.
44. Erection & connection of the repaired / rewound transformer at the place of other suitable transformer as per instruction of engineer-in-charge, BPSCL.
45. Testing, commissioning of the repaired / rewound transformer at the place of other suitable transformer as per instruction of engineer-in-charge, BPSCL.
46. Charging of the transformer from HV side.
47. Checking of phase-sequence and ensuring parallel operation of the newly installed transformer with the existing system of the station (including reserve transformers) on LV side.
48. Cleaning of the area around the above commissioned transformer.
49. To know operational healthiness of the transformer from all angles, it will be put on normal load under normal power frequency voltage and kept under observation for one week. After satisfactory operation of the transformer under normal operating conditions, the commissioning work will be considered completed.
50. Submission of detailed reports of the entire job including 'Test Reports'.

SPECIAL TERMS & CONDITIONS:

1. Guidelines regarding performance of work :

- i. The contractor will perform the subject work in accordance with the guidelines contained in the work order and the instructions of the Engineer in-charge keeping in mind the latest technical specifications and IS codes of practice.
- ii. 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.
- iii. In case of any dispute concerning the work, the decision of the Engineer in-charge will be final and abiding.

2. Firmness of price :

- i. The rates and quoted price agreed by the contractor shall be fixed for the entire duration of the completion of work. It shall not be subjected to enhancement or escalation on any account.
- ii. The contractor has to perform the job as per the availability of the shutdown and hence, there will be no consideration for idling of manpower.
- iii. The finally agreed price will be inclusive of all costs, implicit or explicit, to be incurred by the repair-agency because of the entire job (like tools and tackles, instruments, machines, labour, special services & all sorts of repair-materials & other resources needed for carrying out a successful execution of the total job, etc).

Taxes, etc, will be paid extra by BPSCL, as per the prevailing rates.

3. Supply of new Transformer-Oil :

- i. Required quantity of new transformer-oil (EHV grade, as per IS 335, 1993, or its latest amendment) needed to completely fill up the transformer along with cooling plants & tap-changers, will be supplied by the repair agency. The required quantity of oil is given in the detailed specification of the transformer.
- ii. For convenience of transport after repair, parts like conservators, cooling plants, etc, may be dispatched in detached & empty condition as distinct from the main tank of transformer. New transformer-oil in separate new sealed drums should be dispatched to the site of BPSCL, so that the total dispatched quantity of new transformer-oil is exactly equal to the total quantity given in the detailed specification of the transformer. After assembling all the detached parts at the site of BPSCL, the total quantity of New Transformer Oil is to be filled in the transformer to make it ready for operation.

4. Shifting, Loading and Unloading of the Transformer :

- i. Shifting of the transformer from its present position to the place of loading and again after repair from the place of un-loading to the place of installation or storage, will be done by the Repair-agency.
- ii. Loading and un-loading activities of the transformer on and from the trailer at BPSCL site as well as at the place of repair will be done by the Repair-agency.
- iii. Cost of all the above activities will be borne by the Repair-agency.

5. BPSCL will provide only mobile Crane free of cost for loading and un-loading of the transformer at BPSCL site.

6. **Challan, Material out-pass and Gate-pass for the working personnel** : The Repair-agency will have to arrange for & obtain:- (i) 'Challan', 'Material out-pass', 'Photo Gate-pass', etc., required for entry / exit of materials or working personnel inside the plant premises; (ii) 'Vehicle pass' and 'Stay Pass', etc., for any vehicle used by the working personnel, along with the driver / helper of the vehicle(s); (iii) 'Permission for working in Sundays / Holidays & during night hours', etc, needed for round the clock work inside the plant premises; (iv) any other Passes, etc, needed for successful execution of the job; after fulfilling the formalities as laid down by the Bokaro Steel Plant Authorities as well as CISF Authorities.
7. **Medical fitness of employees** : The repair-agency will have to ensure proper medical fitness of all the working personnel deployed for execution of the job.
8. **Work permit** : As the area of work is highly sensitive with respect to safety hazards, the responsible supervisor / engineer of the Repair-agency must take proper 'Permission to work' (work-permit), shutdown clearance and follow the instructions of the Engineer in-charge, BPSCL, before commencement of the work
9. **Compliance with various Labour laws and Electricity rules** : The contractor 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 in the industries.
10. **Fitness of load handling & lifting equipment** : All the load handling & lifting equipment like slings, ropes, D-shackles, Hook-chook, etc. being used by the Repair-agency must be properly tested before use, and necessary safe usability certificates must be obtained from competent authority.
11. **Deviations and Exclusions** :
 - i. The contractor will have to comply with all the terms and conditions without any deviation and exclusion.
 - ii. The contractor will have to perform all the jobs as described under the head 'Scope of work'.
 - iii. After the transformer has been shifted to the premises of the repair agency, a thorough inspection of the dismantled and un-tanked transformer will be done there jointly by the representative, BPSCL, and the representative of the repair-agency, to find out any surprise element of repair or replacement work which is not covered in the scope of work. During such a joint inspection, if physical inspection and /or test results reveal any such **surprise element of extra work**, the same will be specified in detail, quantified & noted in the MOM / Report of the joint inspection. The repair agency will have to quote for the extra work not covered in the original scope, with proper justification of the quoted price, and seek approval of the extra work to be done at a mutually agreed price. The additional job (not covered in the original scope) will be taken up by the repair agency only after due approval of the same by BPSCL.
 - iv. Normally there will be no exclusion from the detailed scope of work, unless specifically decided and noted in the MOM / Report of the joint inspection, with justifications, whereupon payment of the cost corresponding to the excluded portion of work will not be made.
12. **Job competence of working personnel** : Engineers, Supervisors and Technicians of the Job-executing agency should have enough job experience in the area of Repair, Testing and Commissioning of minimum 10MVA capacity transformers so that, they may execute the subject job successfully and confidently.

13. **Electrical contractor's license and Electrical supervisory competency certificate** : The Repair agency should possess Electrical contractor's license and should employ a supervisor having electrical supervisory competency certificate.
14. **Installation of the repaired / rewound transformer in place of other transformer** : To facilitate the repaired / rewound transformer to be installed and commissioned in place of other transformer, as directed by engineer-in-charge, BPSCL, the repair-agency is required to ensure the following:
(a) Proper connection after proper alignment with the existing HT buses /cables;
(b) Proper connection after proper alignment with the existing LT Buses/ cables.
15. **Preservation and Custody** : Dismantled parts of the transformer will have to be kept under the custody of the repair- agency at their premises ensuring perfect cleanliness, proper cover & protection. Safety against theft and pilferage of all such dismantled parts, coming under the job-jurisdiction, will be the responsibility of the Repair-agency.
16. **Workmanship Guarantee** : There will be a guarantee against poor repair or use of improper materials during repair for a period of 18 months from the date of delivery or 12 months from the date of commissioning of the repaired/overhauled transformer, whichever occurring earlier. Any repairing defect noticed under normal operation during the guarantee period will be rectified by the Repair-agency free of cost.
17. **Retention of scrap** :
(i) All the scraps resulting from repair-work will be retained by the repair-agency.
(ii) In case of rewinding with new copper, the repair-agency should clearly specify the total (lump sum) scrap value of the copper of the old conductor of the windings, and deduct the same from the total value of supplied materials in the quoted price.
(iii) In case of replacement of the old defective transformer oil by new transformer oil, please refer to the clause given below.
18. **Retention of old transformer oil** : Old transformer-oil (which is more than twenty five years old) coming out from the transformer under repair, will be retained by the Repair agency. While bidding, the repair agency should clearly specify per unit scrap value, and deduct the same from per unit price of supplied new transformer oil (EHV grade, as per IS 335, 1993, or its latest amendment) in the quoted price. The quantity of oil will be as per the detailed specification of the transformer.
19. **Submission of Bank Guarantee** : The repair agency will have to submit a Bank Guarantee of **Rs. 30 Lakh** for the transformer, before lifting and loading the transformer on a trailer for taking the same to the place of repair.
20. **Infrastructural facilities for repairing and testing of the transformer at the place of repair** : The work should not suffer in any way due to absence of any sort of infrastructural facilities, arrangements, materials, equipment, etc, at the place of repair for repairing and testing, where the transformer will be taken for carrying out the subject repair. Any such deficiencies will have to be arranged & managed by the repair agency at no extra cost.
21. **Inspection**
i. Inspection call shall be given by the Repair agency to the Engineer in-charge/BPSCL after satisfactory completion of all the repair jobs.
ii. After the reworking of the transformer, the engineer in-charge of BPSCL will visit the premises of the repair agency to inspect all the aspects of the repair/overhauling/rewinding job including all the 'Tests' as mentioned under the head 'Scope of work', which will be carried out by the Repair-agency at the place of repair in his presence. The engineer in-charge/BPSCL will certify the test-results to be acceptable as per norms & will give dispatch clearance for the repaired transformer. If by any reason,

the Engineer in-charge/BPSCL fails to turn up for final inspection and witnessing the tests, the repair- agency must obtain a certificate waiving inspection of tests, and subsequent dispatch clearance, duly signed by the engineer in-charge of BPSCL.

- iii. Any approval which the Engineer in-charge/BPSCL may give in respect of the tests carried out at the place of repair in his presence, BPSCL, shall not be considered valid if, on conducting the same tests at BPSCL site, the test-results are not found to be alright as per norms. In such a case, it will be the responsibility of the repair-agency to take corrective actions and again conduct the corresponding tests at BPSCL site to have satisfactory test results as per standard norms. Otherwise, the work will not be considered complete and payments will not be cleared.
 - iv. Engineer in-charge/BPSCL shall have the option to visit the place of repair to inspect and assess the progress of the repair activities going on the transformer at any stage of repair.
22. **Safety and security of the transformer during to and fro transportation** : The Repair agency will be solely and exclusively responsible for the safety and security of the transformer during transportation to and from the plant site and during working at their own premises. Hence, sufficient precautions are to be taken by the Repair-agency to protect the transformer against any type of theft, damage or deterioration due to carelessness, accident, adverse weather condition, etc.
23. **Precautions to be taken while carrying out oil filtration job of the transformer**
- i. During heating, filtration and handling of the transformer-oil, safety norms are to be strictly followed by the Repair-agency to avoid any fire-hazard or equipment- damage due to overheating or oil-spillage.
 - ii. While carrying out transformer-heating and oil-filtration job, the oil filtration machine is to be manned by the skilled and experienced persons round the clock.
24. **Provision for making extra payment by BPSCL to the repair agency for carrying out the surprise element of repair or replacement work.**
While carrying out a joint inspection of the dismantled and un-tanked transformer, if need arises for any surprise element of the repair or replacement work, which is not covered in the 'Scope of work', extra payment will be made by BPSCL to the Repair-agency for doing the extra work as per the certification of Engineer in-charge/BPSCL (please see "Deviation and Exclusions" as per clause no. 11 above).
25. The work should be done strictly as per the guidance of and as per the satisfaction of the engineer in-charge of BPSCL. The work completion will also be certified by him.
26. In case of any dispute regarding the job, the decision of the engineer-in-charge of BPSCL will be final & abiding.
27. **Submission of detailed 'Reports'**
The Repair agency will submit the following 'Reports' to Engineer in-charge/BPSCL after completion of the repair work:-
- i. 'Repair & Test' report(s) in respect of the defective transformer.
 - ii. 'Installation & Commissioning' report(s) in respect of the repaired/overhauled/rewound transformer.
 - iii. 'Test report(s)' of new transformer-oil, to be filled up in the repaired /overhauled /rewound transformer at the place of repair.
28. **Delivery Period:** Six (06) months from lifting of transformer.

29. Penalty Clause:

- i. If the work is delayed beyond the contractual period, a penalty @ ½ % of the contractual value of the delayed portion of job per week of delay, subject to a maximum limit of 5% of the entire contractual value, will be deducted from the final payment.
- ii. If any part(s) or whole of the transformer is damaged or lost due to negligence of handling or improper / unsafe working or custody of the repair-agency, the same part(s) is(are) to be replaced by the repair agency free of cost . If such part(s) or whole is (are) not replaced by the repair agency, requiring replacement by BPSCL, the cost of the same will be recovered from the pay bill(s) or through the BG submitted by the repair-agency.

30. 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 the order in case any Fatal accident occurs due to violations as mentioned in Clause (i) and (iv) above.

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

SPECIFICATION OF EXISTING TRANSFORMER
Copper Wound Transformer

| | | | |
|-------------|--|---|--|
| 1.00 | <u>Ratings of Transformer:</u> | | |
| | Make | | Crompton greaves Ltd. |
| 1.02 | Standard Specifications | : | AS per IS:2026 |
| 1.03 | Type | : | Outdoor, three phase, oil immersed. |
| 1.04 | KVA rating & type of cooling | : | 10000 KVA with ONAN cooling |
| 1.05 | Rated Frequency | : | 50 cps |
| 1.06 | No Load Voltage at normal tap of transformer | a) | Primary Winding : 132000 V |
| | | b) | Secondary Winding : 6900 V |
| 1.07 | No load current | a) | Primary Winding : 43.7 A |
| | | b) | Secondary Winding : 836.7 A |
| 1.08 | Vector Relationship | : | Ynd11 as per IC. |
| 1.09 | Impedance Volt | : | 7.49% |
| 1.09 | | | |
| 1.10 | Polarity | : | Subtractive |
| 1.11 | Guaranteed max. temp rise in oil :40°c, wdg. By resistance 50°c over max. ambient of 50°c | | |
| 1.12 | BIL | HV Line-650 KVp, 275 KVrms HV Neutral-95 KVp, 38 KVrms LV Line-60 KVp, 20 KVrms | |
| 1.13 | Oil Qty | : | Transformer (total):-11745Kg. / 13500 Ltr. Cooling Plant:-2610 Ltr.(2.28 Tonne) OLTC:-760 Ltr.(0.67 Tonne) |
| 1.14 | Weight | : | Core & winding (Untanking):-12.00 Tonne Complete transformer including oil:-40.70 Tonne Cooling plant including oil:-6.80 Tonne OLTC with oil:-1.27 Tonne Transport with oil (Heaviest Package):-31.10 Tonne |

| | | | |
|------|----------------------------|---|---|
| | | | Transport without oil (Heaviest Package):-22.70 Tonne |
| 1.15 | Diagram Drawing No. | : | RDMT7611/2 |
| 1.16 | MAKER'S Sl. No. | : | MT7611 |
| 1.17 | Year of Mfg. | : | December, 2012 |

PRICE BID/ FORMAT

Special Instruction –

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

| Sl. No. | Description of work | Qty. | Amount (Rs.) |
|--------------------|---|-------|--|
| 1. | Dismantling, Complete Repair, Rewinding with new copper conductor, Heating, Drying, Testing & Commissioning of one No. of 10 MVA, 132 KV/ 6.9 KV Transformer, as per scope of work. | 1 No. | Online Price Bid (Landed cost excluding GST) through URL : http://www.buyjunction.in |
| LANDED COST | | | |

Note: GST extra as applicable

PRICE BREAK UP OF LANDED COST

| Sl.no. | Description of work | Qty. | Amount (Rs.) |
|---|--|------------|--|
| A. SUPPLY OF SERVICE : | | | |
| 1 | Disconnection & shifting of transformer | 01 No. | Price break-up is to be submitted by the L-1 Bidder only after finalization of rate. |
| 2 | Loading & unloading of transformer. | | |
| 3 | To & fro transportation of transformer. | | |
| 4 | Overhauling, Repairing & Re-winding of transformer (both on HV & LV sides) with New Insulation of core & New Copper Conductor of winding, the insulation class of the new insulation being suitable for 138 KV on HV side & 6.9 KV on LV side of the transformer, by supplying all the required materials. | | |
| 5 | Oil filling, Hot oil circulation and drying out of transformer (heating, gas drying & vacuum drying). | | |
| 6 | Testing of transformer as per list of tests. | | |
| 7 | Painting of transformer (inside & outside). | | |
| 8 | Installation & erection of the overhauled & repaired transformer. | | |
| 9 | Charging & Commissioning of the overhauled / repaired transformer after matching its phase sequence with that of the existing systems. | | |
| 10 | Keeping the loaded transformer under observation and rectifying the detected defects. | | |
| 11 | Submission of detailed Report of Jobs executed & Test results. | | |
| B. SUPPLY OF MATERIAL : | | | |
| 1 | New transformer oil of EHV grade, as per IS-335, 1993, or its latest amendment. | 14160 Ltr. | |
| Total (Part A + Part B) | | | |
| C. Less : Cost of Scrap Value of old copper | | | |
| D. Less : Cost of Scrap Value of Transformer Oil | | | |
| LANDED COST (Part A + B - C - D) | | | |
| Rupees | | | only |

Signature with seal of tenderer

Notarized Affidavit

I.....son/daughter of Shri
Aged..... years resident of
.....PS.....District.....State.....do
hereby solemnly affirm that:

- (i) I am (designation/authority) in M/s
(name of the firm/company).
- (ii) I confirm that all documents submitted against Enquiry No. dtd.
..... in support of eligibility criteria are genuine.
- (iii) I undertake to produce all documents in original for verification as and when asked for
the same by BPSCL.

| | |
|--|---|
| Solemnly affirmed & declared before me by Deponent(s) who is/are identified by | The declaration made herein above are true to the best of our knowledge, information and belief signed atOn..... Deponent(s) |
|--|---|

ANNEXURE - VII

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

CHECKLIST 1- OF DOCUMENT SUBMITTED BY TENDERER

| Sl.No. | Document | Submit/ Not Submitted | Page No. | Remarks by BPSCL |
|---|-------------------------|--------------------------|----------|---------------------|
| 1. | Valid work order | | | |
| 2. | Completion Certificate | | | |
| 3. | Partnership/ Proprietor | | | |
| 4. | EPF | | | |
| 5. | ESI | | | |
| 6. | Latest ITR | | | |
| 7. | * 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 | | | | |

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

| | | |
|----|---|------------------------------------|
| 1. | All document as per NIT and Checklist 1 | Submitted () Not submitted () |
|----|---|------------------------------------|

DECLARATION OF TENDERER:-

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

Signature of tenderer with seal

(To be submitted on bidder's Letter Head)

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

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

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

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

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

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

(Signature & Seal)

Place :
Date :

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

To,

mjunction services limited
 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.