

BOKARO POWER SUPPLY CO. (P) LTD.

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

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

**TENDER NOTICE NO. BPSCL/MM/22-23/PUR-139/NIT-1232
Dated 12.01.2023**



TENDER DOCUMENT

**SUBJECT: SUPPLY, RETROFITTING, TESTING & COMMISSIONING OF VACUUM
CIRCUIT BREAKERS (VCBs).**

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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/MM/22-23/PUR-139/NIT-1232

Date: 12.01.2023

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

Item	Supply, Retrofitting, Testing & Commissioning of Vacuum Circuit Breakers (VCBs).
Earnest Money (in Indian Rs.)	Rs. 1,00,000.00 (Rupees One Lakh) Only OR Document for Exemption as per clause (ii) of General Terms & conditions.
Last date & time for submission of tender	14.02.2023 up to 12: 00 Hours
Bid Opening date & time	14.02.2023 at 12:15 PM

Qualifying Requirements: -

- The bidder should have minimum average annual turnover (MAT) of **Rs. 15.42 Lakhs** only.
 - Average annual turnover shall be determined taking into consideration turnover of preceding three (03) consecutive financial years. Other income shall not be considered for arriving at annual turnover.
 - Audited annual account along with auditor's report of the bidder should be furnished in support of the same. Where audited account is not mandatory as per the law, the bidder has to submit annual financial turnover during the consecutive last three (03) years ending 31st March of the previous financial year duly certified by CA.
- The bidder should be 'Manufacturer of Vacuum Circuit Breaker' having voltage grade 6.6 kV or more.
- The bidder should have valid ISO 9001-2015 certification for manufacturing of Circuit Breaker having voltage grade 6.6 kV or more as on date of bid opening.
- The bidder is required to submit self-attested copy of recent PO's (Issued within last seven (07) years ending last day of month previous to the one in which offers are invited) as proof of supply of Vacuum Circuit Breaker' having voltage grade 6.6 kV or more, in India to any Public Sector Undertaking/Government/Semi Government Organization or joint venture thereof / Company registered under Companies Act in India.
- The bidder shall have infrastructural facilities of carrying out at least one core activity like Designing / Manufacturing / Testing along with assembly required for manufacturing of Vacuum Circuit Breaker having voltage grade 6.6 kV or more.
- The bidder shall have to submit a certificate issued by the purchaser for satisfactory performance of the Vacuum Circuit Breakers for which P.O. has been submitted by the bidder.
- The bidder is required to submit self-attested photocopies of documents (Purchase Orders, GRN / Delivery Challan / Completion certificate etc.) in support of their eligibility and experience. In addition, bidder shall submit an affidavit in enclosed format (**Annexure-IV**) declaring that the documents submitted by them are genuine.
- The bidder shall furnish latest **IT Returns & GSTIN**. The bidder shall also submit acceptance to Terms & Conditions of Reverse Auction in the format attached at **Annexure – V**.

General Terms & Conditions:

- i) Offer shall be accompanied with Earnest Money Deposit (EMD) in the form of Demand Draft / Pay Orders / Bankers Cheque Payable at Bokaro Steel City / Bank Guarantee having validity of, *one (01) year*, from any Nationalized Bank / Scheduled Bank except Co-operative Bank drawn in favor of **Bokaro Power Supply Company (P) Ltd.** as per format available at our website: www.bpscl.com. Earnest Money can also be deposited online through RTGS / NEFT / SWIFT / TT Remittance in our account, details of which are given below. The proof of such transfer shall be submitted with the offer in the envelope titled "Earnest Money Deposit".

Account Details:

Bank Name	:	State Bank of India
Account Number	:	35665021458
IFSC Number	:	SBIN0004231
Branch Name	:	SME Branch, Sector - 4, City Centre, Bokaro Steel City, Jharkhand - 827004.

In case of forfeiture of EMD by BPSCL the bidder is required to reimburse the applicable GST to BPSCL.

- ii) Micro & Small Enterprises (MSEs) / PSU /Govt. Undertakings and Co-operative societies will be exempted from submission of Earnest Money as per government policy. For MSEs, the exemption from submitting Earnest Money will be granted only on submission of valid copy of Udyam Registration Certificate. SSI/NSIC certificate holders should also submit Udyam Registration Certificate. Further, unit claiming exemption is required to submit copy of Udyam registration certificate clearly indicating the item category for which they are registered.
 - iii) **Offers not accompanied with Earnest Money Deposit (EMD) (as per clause i) or documents for exemption (as per clause ii) will be treated as INVALID.**
 - iv) If you withdraw your bid after opening of bids without giving any satisfactory and acceptable explanation thereof, you shall be disqualified from participating in any tender of the BPSCL for a minimum period of one (01) year and your Earnest Money will be forfeited.
 - v) **Purchase Preference:** BPSCL reserves the right to exercise Purchase Preference in respect of MSEs based on the extant guidelines issued by Government of India vide Public Procurement Policy for Micro & Small Enterprises (MSEs) order 2012 & subsequent amendments.
 - v) You should quote your firm rates and no negotiations will be held except with the lowest bidder, if required.
 - vi) **Handling of Earnest Money:**
 - a. Earnest Money will be refunded to the un-successful bidder after determination of L-1 bidder and no interest will be paid upon the same. **You are requested to submit your bank details for the return of EMD.**
 - b. The amount of Earnest money may be adjusted against Security Deposit in case of successful bidder.
 - vii) Consortium bids will not be considered unless the provision for consortium is specifically mentioned in Tender Document.
 - viii) **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.**
- Note:** BPSCL may ask the techno-commercially accepted bidders to submit decrement in percentage (%) on their online price submitted at the time of techno-commercial bid. Online price bid along with % decrement shall be considered together in case online price bid is opened.
- ix) Either the representative on behalf of the Manufacturer or the Manufacturer directly be permitted to bid in a tender but not both. If authorized representative of manufacturer quote along with manufacturer, only the offer of Manufacturer will be considered as valid.
 - x) One agent cannot represent two Manufacturer or quote on their behalf in a particular tender.
 - xi) **BPSCL reserves the right to:**
 - a) Re-tender / extend the due date of submission of offer.
 - b) Accept or reject any offer / all offers in full or part at any time at any stage without assigning any reasons and without any compensation thereof to the bidders.
 - c) Modify the tender documents at any stage before the due date of tender.

Note:

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

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

(A K Das)
CGM (MM)
Tel : 8986874119
Email: purchase@bpscl.com

CONDITIONS & RULES TO BE OBSERVED IN SUBMITTING TENDERS

1.01 Manner of Submission of the Tender

The tender shall be divided into 02 parts as follows:-

- a) **Part A:** This part shall comprise of EMD / Proof of online submission of EMD / Documents for exemption of EMD.
- b) **Part B:** This part shall comprise of Technical and Commercial details, consent on terms & conditions of NIT/ signed Tender Document along with copy of **SYSTEM GENERATED ACKNOWLEDGEMENT-SLIP FOR ONLINE SUBMISSION OF SEALED PRICE*** bid etc.

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

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

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

1. Online sealed Price Bid (**Landed Cost per unit 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.buda1@mjunction.in

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

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

Ms. Priyanka Mazumdar - mazumdar.priyanka@mjunction.in

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

- i) Validity of the offer shall be at least Six (06) months from the Bid Opening Date. In case of extension of “ Bid Submission / Opening Date”, the validity will be counted from the extended Bid Submission End Date.
- ii) In case prices are finalized through Reverse Auction / Price Negotiation, the validity of the final quoted price shall be two (02) months from the date of discovery of the final L-1 price, either through Reverse Auction or through Price Negotiation, as the case may be or till the validity of the techno-commercial bid, whichever is later.

1.03 General Instructions:

- i) You shall clearly indicate that your prices shall remain firm in all respects till execution of the order.
- ii) Specification, quantity, unit rate, freight, insurance, packaging, forwarding, taxes etc. should be mentioned separately and clearly.
- iii) Any conditional offer or offer having deviations is liable to be rejected.
- iv) Where agent commission is involved the same is to be indicated in percentage.
- v) You have to submit Tender Document bearing your signature and seal on all the pages along with Techno-commercial offer / Consent on NIT’s Terms & Conditions. Otherwise, it will be presumed that you do not accept our terms and conditions and this may lead to rejection of offer forfeiting your claims if any.

You are advised to mention page no. on each page of documents submitted by you. BPSCL shall not bear any responsibility in case of any loss of documents submitted by you during tender opening or thereafter.

- vi) If you are a Firm or Company, then you shall, in the forwarding letter, mention the number and names of all the partners & shall sign before submitting the same, unless the Power of Attorney holder has specifically been authorized in this respect.
- vii) 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.
- viii) Price or any indication of price shall **NOT** be mentioned in the Techno-Commercial Bid.
- ix) The sealed tenders received will be opened on scheduled opening date and time in the office of Material Management, in presence of such bidders who might choose to witness the same
- 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 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.

2.00 GENERAL TERMS AND CONDITIONS

- 2.01 BPSCL reserves the right to ask for original documents for verification at any time during tendering, evaluation and / or the execution of the contract. In case any documents / information submitted by you is / are found to be false or containing any misrepresentation or having any fraudulent declaration in it, then, in such eventuality, EMD will be forfeited and legal action (including cancellation of contract, banning of business dealing, criminal proceedings etc.) as deemed fit may be initiated by BPSCL against you.
- 2.02 **Packing :**
- a) **Responsibility for proper packing** – You shall be responsible for the materials being sufficiently and properly packed, for transport by rail / road / sea / air / any combination of above, so as to ensure their being free from loss or damage on arrival at the destination.
- b) **Marking of Packages, Packing, etc.** - Each package delivered under the contract shall bear the following:-
- Name of the Supplier
 - Contract/Order Number
 - Consignee's name and address
 - Description and quantity of contents
 - Gross weight, net weight,
 - Distinctive number or mark which is also to be shown, for the purpose of identification, on the Supplier's packing list.
 - Catalogue Number
- 2.03 **Delivery:** Timely delivery is the essence of the contract & must be completed as per the dates specified therein.
- 2.04 **Liquidated Damages:**
- A) LD will be imposed @ 0.5% per week subject to maximum @ 5% if delivery of items is delayed beyond six (06) months from date of issuance of P.O. excluding the time taken by BPSCL for drawing approval.
- B) LD will be applicable @ 0.5% per week subject to maximum @ 5%, if service is delayed beyond three (03) months from the date of GRN due to delay attributable to the supplier.
- 2.05 **Risk Purchase:** BPSCL may execute Risk Purchase action and get the work completed at the Risk and Cost of the contractor, if the contractor fails to complete the work within 8 months from the date of LOA / Placement of order by BPSCL to the successful tenderer /contractor.
- 2.06 You must mention applicable GST rate in your offer with compliance of following GST clauses:
- a) You shall have to quote GST as extra. If not mentioned, same will be considered as EXTRA.
- b) You shall have to pass on the tax benefit/savings, if any, on account of output taxes to BPSCL.
- c) You shall agree to do all things not limited to providing GST invoices or other documentation as per GST Law relating to the above Services, payment of taxes, timely filing of valid statutory returns for the tax period on the Goods and Service Tax Portal etc. that may be necessary to match the invoice on GSTN common portal and enable BPSCL to claim input tax credit in relation to any GST payable under this agreement or in respect of any part under this agreement.
- d) In case the Input Tax Credit of GST is denied or demand is recovered from BPSCL on account of any non-compliance by you, including non-payment of GST charged and recovered, you shall indemnify BPSCL in respect of all claims of tax, penalty and/or interest, loss, damage, costs, expenses and liability that may arise due to such non-compliance. Further, in case of any differential tax liability on account of any wrong classification/valuation etc. by you, BPSCL will not be liable to reimburse any part of such differential tax, interest, penalty etc. It will be your sole responsibility to discharge appropriate taxes, as applicable.

- e) You shall have to maintain high GST compliance rating track record at any given point of time.
- 2.07 **Bank Details:** Bank details mentioning Account number, Bank name, City, Branch name and Branch code should be mentioned in the offer for NEFT / RTGS payment.
- 2.08 **Paying authority – In-charge (F&A), BPSCL.** Bill in triplicate duly receipted on the revenue stamp with a copy of TC & Packing list etc. are to be submitted to In-Charge (F&A), Bokaro Power Supply Company (P) Limited for processing of the same.
- 2.09 **Inspection:** Acceptance of material is subject to inspection. Final Inspection will be done at BPSCL Stores after receipt of material. If any material supplied is rejected in inspection, BPSCL will inform about the same to the supplier. After such intimation of rejection by BPSCL, the Supplier shall be liable to remove / lift back such rejected / damaged materials within 30 days without any extra charge / cost to BPSCL, failing which, BPSCL shall reserve the right to dispose off the material, as it may deem fit, without any financial repercussions and BPSCL shall stand absolved of all responsibilities towards the material.
- 2.10 **FORCE MAJEURE:** You shall not be considered in default if delay occurs due to reason beyond your control such as acts of God, natural calamities, civil wars, fire, strike, frost, floods, riot and acts of unsurpassed power. Only those causes which have duration of more than seven days shall be considered in force majeure clause. In the event of delay due to such clause the delivery period will be extended for a length of time equal to the period of force majeure at the option of BPSCL. Order may be cancelled without any liability what so ever on the part of BPSCL.
- 2.11 **Banning of Business Dealings:** On arising of any situation or occurrence of any event as mentioned in Clause 6 of the Guidelines on Banning of Business Dealings, you shall be liable for action under and in accordance with the aforementioned Guidelines. The “Guidelines on Banning of Business Dealings” shall form part of the Tender/Contract and can be viewed on our website www.bpscl.com.
- 2.12 **Security Deposit:** In case Purchase order is placed upon you, you shall have to deposit Security Deposit at the rates mentioned below for satisfactory execution of the order:

Sl. No.	Purchase order value (Excluding GST)	Amount of Security Deposit
i.	Up to Rs. 100 Lakh	03% of Purchase order value.
ii.	Over Rs. 100 Lakhs to Rs. 500 Lakhs	02% of P.O. value, subject to minimum of Rs. 3,00,000.00.

The Security Deposit shall be in the form of **Bank draft / Bankers Cheque / Bank Guarantee** (as per BPSCL format available at bpscl.com) having validity up to guarantee period of the item to be supplied plus three (03) months of claim period. **Bank Draft / Bankers Cheque** shall be in favor of Bokaro Power Supply Company (P) Ltd. payable at Bokaro Steel City.

The expression “satisfactory execution of the order,” shall mean fulfillment of all obligations arising out of and in connection with the purchase order. In case of default in satisfactory execution of the order the security deposit shall be forfeited. Amount of penalty and/or Liquidated Damages imposed (if any) will be recovered from Bill / Security Deposit. If the amount of Bill / Security Deposit is not sufficient, you shall be required to pay the balance amount to BPSCL. If you do not pay the balance amount, the same shall be deducted from any sum or sums which may be due or may become due to you from BPSCL on any account whatsoever.

In case of forfeiture of Security Deposit, you shall be required to reimburse the applicable GST to BPSCL.

3.0 TECHNO-COMMERCIAL TERMS & CONDITION:**3.1 Description of Material:**

Sl. No.	ITEM DESCRIPTION	QUANTITY
A.	Supply of Goods	
A.1.	Cat. No. 75572006000 6.6 kV, 1250 Amp., 40 kA, for 3 second, 3 phase Draw Out Vacuum Circuit Breaker (VCB), type : 3 Pole, Drawable, Mounted on carriage with wheels, Indoor type along with surge suppressors to be fitted in each pole of VCBs suitable for one to one replacement of existing NGEF make OCBs. Other technical details are as per <i>Annexure I</i> .	12 Nos.
B.	Supply of Service	
B.1.	Retrofitting, Testing & Commissioning of supplied 6.6 KV Vacuum Circuit Breakers(As per scope of work in <i>Annexure -II</i>).	10 Nos.

3.2 Special Terms and Conditions

- The bidder may visit the site before submission of their offer to get acquainted with the site condition.
- The successful bidder shall supply the VCBs to BPSCL store. Installation, testing & commissioning etc. are also to be done in existing cubicle by the bidder as a complete package.
- All the relevant drawings, diagrams, documents, technical specification sheet with all relevant data etc. are to be submitted to Engineer In-charge for approval before manufacturing of the item.
- The supplied VCBs should perfectly fit into the existing NGEF cubicles.
- Suitable surge suppressors are to be fitted with each pole of the VCBs.
- All the accessories necessary for retrofitting of VCBs are to be given by the successful bidder along with the items.
- Each retrofitted VCB is to be checked by inserting it in the full operating position inside any NGEF cubicle. Grip-pressure, free movement and area of contact-surface by the power-arms-jaws at incoming and outgoing terminals of all the three poles should be perfect.
- The control, signaling, operation and protection of each retrofitted VCB will be checked at the time of commissioning, any defect observed will have to be rectified by the successful bidder, failing which the commissioning will be deemed incomplete.
- The power contact of each pole and surge suppressors of the VCBs will be checked separately, and any improper test data will either have to be corrected or defective parts replaced, free of cost by the successful bidder at the time of commissioning.
- Any unforeseen problem(s) which may arise while installing, testing & commissioning the VCBs, is (are) to be solved by the successful bidder at no extra cost to BPSCL.
- Commissioning of the system is to be done by the successful bidder at the site within the existing panel & other restrictions imposed by the actual conditions. Modification / change will not be allowed inside the existing panel.
- Test & guarantee certificates are to be provided by the Supplier.
- The installation, testing & commissioning of the subject item will be deemed complete only when a job completion certificate is issued by the Engineer In-charge of BPSCL.
- All the statutory & safety rules are to be strictly followed by the successful bidder and by the personnel deployed by them during the installation, testing and commissioning of the systems. All the resources including manpower, tools & tackles, etc. will have to be provided by the successful bidder.
- The successful bidder will be solely responsible for any unsafe, illegal, unworthy or untoward incident which may occur during the whole job.

16. BPSCL will only provide space, LT Power supply & illumination.
17. Following commissioning-tests will be performed on each VCB at BPSCL site by testing department of BPSCL in presence of bidder's engineer. If any deviation from pre-dispatch result is found, party will have to correct them free of cost.
- (i) IR test of Power-circuit parts before and after HV test in all combinations by a 5 KV Power Meggar.
 - (ii) HV test with HV testing kit.
 - (iii) IR test of control circuit.
 - (iv) Measurement of contact resistances.
 - (v) Measurement of closing and tripping times.
 - (vi) Checking of interlocks.
 - (vii) Checking of breaker operation in test, service and draw out positions.
 - (viii) Checking of mechanical flag and electrical indication lamps.
 - (ix) Checking of operation of breakers (VCBs) at minimum / maximum specified control voltages.
 - (x) Checking of simultaneous closing of all poles.
 - (xi) Operation of spring charging system.

Any other test which is not mentioned above but is necessary for successful completion of the retrofitting job is to be done by the successful bidder.

3.3 The Commercial Bid should Confirm/indicate the following:

1.	Price	To confirm 'Firm price for the duration of the Contract'.
2.	Delivery Term	FOR BPSCL Stores, B. S. City.
3.	Packing & Forwarding Charges	Extra/Inclusive (Applicable amount to be mentioned in percentage or amount)
4.	Freight Charges	Extra/Inclusive (Applicable amount to be mentioned in percentage or amount)
5.	Transit Insurance	To be arranged and borne by Supplier
6.	GST Registration	To indicate GST Registration Number
7.	GST	Extra- Applicable rate to be mentioned HSN/ SAC- to be mentioned
8.	Payment Term	<p>i) Goods Part:</p> <p>a) 80% of P.O. value with 100% of GST will be released against GRN.</p> <p>b) 17% will be released after successful installation, testing & commissioning at site. If delayed is due to reasons attributable to BPSCL, it will be released after three (03) months.</p> <p>c) Balance 03% will be kept as security deposit, which will be released after completion of Guarantee period.</p> <p>ii) Service Part:</p> <p>a) 97% of P.O. value for service part with 100% of GST will be released after successful Installation, Testing & Commissioning on Pro-rata basis.</p> <p>b) 03% will be kept as Security deposit, which will be released after completion of Guarantee period.</p>
9.	Delivery Period	<p>A) Supply Part:</p> <p>i) The successful bidder will submit drawings, data sheet etc. of the subject item for approval within two (02) months from issuance of purchase order.</p> <p>ii) The successful bidder will deliver the materials complete in all respect within six (06) months from date of issue of PO excluding the time taken</p>

		by BPSCL for drawing approval. B) Service Part: The successful bidder will install, test, commission, charge & do the final observation of the systems within three (03) month from GRN date.
10.	Guarantee Clause	The guarantee period should be at least twelve (12) months from the date of commissioning or eighteen (18) months from the actual delivery of the item, whichever is earlier. For any manufacturing defect discovered during the guarantee period under normal operation, the defective item must be repaired or replaced free of cost. If any material supplied fails within the Guarantee Period, BPSCL will inform about the same to the Supplier. After such intimation, the Supplier shall be liable to remove / lift back such materials for repair / replacement.
11.	Inspection	Pre-dispatch Inspection: Prior to supply, the successful bidder shall raise an inspection call along with all test certificates and internal inspection reports to BPSCL for witnessing inspection & testing of the VCBs at the bidder's works. The inspection call shall be raised at least four (04) weeks in advance (from the proposed date of inspection). BPSCL may decide to waive inspection of the VCBs, in which case, an inspection waiver intimation will be sent to the bidder. Items shall be dispatched only after issuance of dispatch clearance by BPSCL. i. All routine tests shall be carried out at Manufacture's works in presence of representative of BPSCL before dispatching the VCBs to BPSCL. ii. Inspection call shall be given by the supplier to the BPSCL after satisfactory completion of internal inspection and tests by them as per the approved QAP. iii. Any inspection by the purchaser does not relieve the supplier from the responsibility of quality assurance and quality control functions as expected to be performed by them. iv. Any approval which the Inspecting Engineer of BPSCL may have given in respect of the VCBs inspected by him, BPSCL shall not be bound to accept those VCBs, should it on further testing at BPSCL site be found not to comply with the requirements of the contract. v. The manufacturer shall ensure full and free access to the inspecting Engineer of BPSCL to facilitate him carry out inspection of different stages of manufacturing process of the VCBs going on at their Works, if he so desires. Final Inspection: Final Inspection will be done at BPSCL stores after receipt of material.
12.	Security Deposit	To confirm as per relevant Clause of NIT
13.	LD Clause	To confirm as per relevant Clause of NIT
14.	Risk Purchase Clause	To confirm as per relevant Clause of NIT
15.	Validity Period	To confirm as per relevant Clause of NIT

4.0 PRICE BID / RA FORMAT:**Special Instruction –**

1. In the event of the L1 Bidder backing out prior to placement of order, EMD will be forfeited and L1 bidder shall be suspended for a period of one (01) year from the date of issue of suspension order
2. Breakup of quoted LC (**Landed Cost**) and item wise price break up shall be submitted by the L1 bidder. In case of refusal of L1 bidder to submit price break up, EMD will be forfeited and L1 bidder shall be suspended for a period of one (01) year from the date of issue of suspension order.
3. **Price Basis – Rs. for complete lot on Landed Cost (LC) basis excluding GST.**

Price Break Up		
Sl. No.		Amount for complete lot (Rs.)
1.	Basic Price for complete lot.*	
2.	Packing & Forwarding	
3.	Freight	
4.	Transit Insurance	
5.	Any other tax or charges	
LANDED COST (1+2+3+4+5)		

Note:

1. GST Extra
2. Complete Lot = 12 Nos. of VCBs + Retrofitting, Testing & Commissioning of 10 nos. of supplied 6.6 KV Vacuum Circuit Breakers

Break-up of Basic Price for items of Lot.				
Sl. No.		Quantity	Rate per No. (Rs)	Amount (Rs.)
A	SUPPLY OF GOODS			
A1	6.6 kV, 1250 Amp., 40 kA, for 3 second, 3 phase Draw Out Vacuum Circuit Breaker (VCB), type : 3 Pole, Drawable, Mounted on carriage with wheels, Indoor type along with surge suppressors to be fitted in each pole of VCBs suitable for one to one replacement of existing NGEF make OCBs. Other technical details are as per <i>Annexure I</i> .	12 Nos.		
A2.	Packing & Forwarding			
A3.	Freight			
A4.	Transit Insurance			
A5.	Any Other charges			
	Sub Total (A)= (A1+A2+A3+A4+A5)			
B	SUPPLY OF SERVICE			
B1.	Retrofitting, Testing & Commissioning of supplied 6.6 KV Vacuum Circuit Breakers(As per scope of work in <i>Annexure -II</i>).	10 Nos.		
	Sub Total (B)			
Landed Cost = Grand Total (A + B)				

Technical Specifications of 6.6KV, 1250A, New Draw Out type Vacuum Circuit Breaker:

Sl. No.	Technical Specifications	Requirement of BPSCL
01	Vacuum Circuit Breaker (VCBs):-	
	Climatic conditions	a) Av. Ambient temp over 24 Hrs: 45° C b) Maximum ambient temp: 50° C c) Maximum humidity : 95% d) Altitude above mean sea level : less than 1000 m e) Atmosphere pollution : Moderate
	Breaker type	Triple pole, Draw able, Mounted on carriage with wheels, Indoor type etc.
	Rated voltage	6.6 KV
	Maximum voltage	Rated voltage ± IS tolerance
	System suitability	Suitable for 6.6 KV Unearthed system
	Frequency	50 Hz ± IS tolerance
	Insulation level a) Power frequency b) (1.2 x 50 μ sec) Impulse	20 KV for more for 1 min 60 KV peak or more
	Rated current	1250 Amp.
	Interrupting capacity at 6.6KV	40 KA for 3 second.
	Opening time	Less than 80 m sec.
	Closing time	About 100 m sec
	Spring charging time	6 to 10 sec
	Rated voltage of a) Spring charging motor b) Closing coil c) Trip coil	220 V - 230 V AC/ DC 220 V DC 220 V DC
	Rated Operating duty	0-0.3 sec-CO-3mn-CO
	Mechanical Endurance	As per IEC 62271-100
	Electrical Endurance	As per IEC 62271-100 Class - E2
	Antipumping feature	Needed
	Auxiliary contacts	At least 6 NO + 6 NC
	Control Circuit block	As per existing.
	Fitting of Surge suppressors	Surge- suppressors to be fitted in each pole of all the VCBs.
	Interchangeability between VCBs and between VCB & Existing OCB	Needed
	Capability to interrupt small magnetizing and capacitive currents	Needed
	Motor Manual spring charging mechanism with limit switches and indications	Needed
	Provision for testing breaker-operation in test position	Needed
	Mechanical ON/ OFF with PB & indications	Needed
	Retrofitting suitability	Hundred per cent
Operation counter	Needed	
Safety interlocks	Needed	
Existing system for racking In and Out of the OCBs	Rotating handle and gear mechanism.	
Existing system for switching on the OCBs	Spring operated	

“Scope of Work”

Service Part:

1. Installation of the new VCBs in the existing cubicle.
2. Checking of breaker alignment after racking inside the cubicle.
3. Matching the pin configuration depending upon existing control plug configuration.
4. Confirmation of Manual as well as electrical operation.
5. Testing, Operation checking and rectification of the defects if any.

Note: Existing OCBs are of NGEF Make.

‘Special Terms and Conditions’

(1) Conformance to standards:-

The VCBs to be supplied must confirm to the provisions given in the following standards:-

- I E C 62271 – 100
- I E C 62271 – 200: 2021
-

(2) Type- test certificates:-

The bidder shall submit copies of certificates for following ‘Type-tests’, carried out on similar equipment supplied by them elsewhere:-

- Dielectric test
- Temperature rise test
- Breaking capacity test
- Thermal withstand test
- Mechanical endurance test
- Electrical endurance test

Above tests shall be performed by an **ERDA, CPRI and PEHLA**.

(3). Quality of Vacuum Interrupters:-

Each vacuum interrupter, sealed and airtight, must be checked for the quality of vacuum obtained by ‘Magnetron discharge’ method and few such test-reports should be submitted along with the bid.

(4) Mechanical Endurance:-

The breakers must be capable to withstand the mechanical endurance tests as stipulated in IEC 62271-100: class M2

(5) Electrical Endurance:-

The breakers must be capable to withstand the electrical endurance tests as stipulated in IEC 62271-100: Class E2.

(6) Safety inter lockings:-

Safety interlocking system should be provided in the breaker to avoid operator’s error while performing rack in or out operation.

(7) Interlocking with ‘Earthing device’:-

The above interlocking is mandatory. This interlocking prevents:-

- Racking- in of the circuit- breaker if the earthing switch is closed
- Closing of the earthing-switch if the circuit breaker is not racked out.

(8) Quality Assurance Plan:-

Within stipulated time of the award of contract, the manufacturer shall furnish the ‘Quality Assurance Plan’ as per the standard proforma for approval by the Engineer In-charge of BPSCL.

(9) Suitability for one to one replacement of the old OCBs by new VCBs:-

(a) The new VCBs must be capable of replacing the old OCBs taking care of all the relevant aspects :-

- Control circuit

- Power circuit
- Dimensions
- Circuit connections
- Functions
- Interlocking

(b) Technical specifications of the VCBs must meet the requirements as demanded by BPSCL or it may even be better than those, technologically.

(10) Availability of the old OCB and its Cubicle for Visualization and Assessment:-

- (a) The presently installed OCBs and its cubicles will be made available to intending bidders for assessment and taking measurements, if needed.
- (b) The successful bidder will have to develop all the relevant drawings and documents etc. and will have to get them approved by the Engineer In-charge/BPSCL before supplying the VCBs to BPSCL.

(11) Supply of Drawings and Documents:-

At the time of supply of the VCBs, following documents and drawings will have to be submitted:-

- Operation & Maintenance manual.
- Trouble shooting chart.
- Test certificates (Type & Routine tests)
- Guarantee certificate
- Vacuum interrupters test certificates
- Certificate of conformance to standards
- General arrangement and dimensional drawings
- Electrical schematic drawings

(12) Provision for imparting 'Training' to BPSCL personnel free of cost:-

Supplier will arrange a full-fledged training on 'Operation and Maintenance of VCBs' for BPSCL Personnel free of cost by a trained and experienced engineer at BPSCL site.

(13) Supply of recommended 'Spares list:-

Supplier of VCBs will supply a list of recommended spares.

- (14) All the plant/apparatus/equipment supplied shall comply in all respect with the requirement of Indian Electricity Act 2003 and Indian Electricity Rule 2003/IS and latest amendment thereof during the execution of supply & service part where-ever applicable.

Self Declaration

I.....son/daughter of Shri Aged..... years
resident ofPS.....District.....State.....do hereby
declare that:

1. I am the authorized representative and signatory of M/s.....
(name of the firm/company).
2. All document(s) submitted/ information provided by M/s..... alongwith the
Bid Document submitted against Tender No.....
.....dated
for.....
..... (Name of work)
has/have been submitted under my knowledge and are authentic , genuine and true. No part of the document(s) /
information is false, forged or fabricated.
3. The above declaration in respect of genuineness of the documents/ information has been made having full
knowledge of provisions of bidding conditions which entitle the Owner/BPSCL to initiate action in the event of
such declaration turning out to be a false.
4. I undertake to produce all documents in original for verification as and when asked for the same by BPSCL.

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

Designation:.....

(To be submitted on Supplier's Letter Head)

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

We _____ (Supplier Name)

with PAN _____ having registered office at _____

_____ (Address)

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

NIT No. _____

dated _____

for procurement of _____ (item) through Reverse Auction.

We confirm that we are in a position to supply material as per the specification given in NIT. 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 LI bidder after 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 :