

# **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-167/NIT-1355  
Dated 05.10.2023**



## **TENDER DOCUMENT**

**SUBJECT: Procurement of Isoperibol Bomb Calorimeter (Bench top).**

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# Bokaro Power Supply Co. (P) Ltd.

(A Joint Venture of SAIL & DVC)

Hall No: - M-01, Old Administrative Building,

Ispat Bhawan, Bokaro Steel City – 827001

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

CIN:U40300DL2001PTC112074

## NOTICE INVITING TENDER

NIT No.: BPSCL/MM/22-23/PUR-167/NIT-1355

Date: 05.10.2023

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	<b>Procurement of Isoperibol Bomb Calorimeter (Bench top).</b>
Earnest Money (in Indian Rs.)	<b>Rs. 15,000.00</b> (Rupees Fifteen Thousand) Only OR <b>Document for Exemption</b> as per clause (ii) of General Terms & conditions.
Last date & time for submission of tender	<b>07.11.2023 up to 12: 00 Hours</b>
Bid Opening date & time	<b>07.11.2023 at 12:15 PM</b>

### **Qualifying Requirements:**

The Bidder (*manufacturer or principal of authorised representative or Supplier – hereinafter referred simply as ‘The Bidder’*) should meet Qualifying Requirements (QR) stipulated hereunder:

- The bidder should have minimum average annual turnover (MAT) of **Rs. 5.30 Lakh** 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 31<sup>st</sup> March of the previous financial year duly certified by CA.
- The bidder should have requisite experience of manufacturing or supplying "**similar items**", in India to any PSU / Government / Semi Government Organization or Joint Venture thereof / Company registered under Companies Act.  
**Similar items means: “Isoperibol Bomb Calorimeter”**
- 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 a self declaration in enclosed format at **Annexure –I**.
- The bidder shall furnish latest **IT return** and **GSTIN**. The bidder shall also submit acceptance to Terms & Conditions of Reverse Auction in the format attached at **Annexure – II**.

### **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](http://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.*

TENDER NOTICE NO. BPSCL/MM/22-23/PUR-167/NIT-1355

Dated 05.10.2023

**Note:**

- a. If the EMD is submitted in the form of Bank Guarantee, then the same shall be issued by a Scheduled Bank / Nationalized Bank from its Local Branch at Bokaro Steel City as per format available on [www.bpscl.com](http://www.bpscl.com).
  - b. In case, the Bank Guarantee is issued from an outstation Branch, its confirmation must be given by its local operating branch.
  - c. There must be a clause in the BG stating “Claims, if any, will be lodged by BPSCL to the local representing Branch of the Bank at Bokaro Steel City”. The Local representing Branch shall be required to confirm accordingly and name of the confirming branch at Bokaro Steel City must be mentioned in Bank Guarantee itself.
- ii) Condition for claiming exemption from submission of EMD:
- a) If the Bidder is a Micro & Small Enterprises (MSEs) / PSU / Government Undertakings / Co-operative society, then they will be exempted from submission of Earnest Money as per government policy.
  - b) For MSEs, the exemption from submitting Earnest Money will be granted only on submission of valid copy of UDYAM Registration Certificate. However, UDYAM Registration Certificates having Services (Trading) as major activity will not be considered as a valid document for claiming exemption from submission of EMD.
  - c) 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](http://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](http://www.bpscl.com)** only.
2. Bidders are requested to visit above website regularly for any addendum / corrigendum / Extension till opening of the NIT. **Any such changes shall not be published through Press advt.**

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

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

**CONDITIONS & RULES TO BE OBSERVED IN SUBMITTING TENDERS**

**1.01 Manner of Submission of the Tender**

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

- a) **Part A:** This part shall comprise of 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) 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.

- v) 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.
- vi) The tender rates shall be written in English, both in words and figures. In case of any discrepancy between the words & figures of the rates quoted, the rates expressed in words shall be taken as correct. In case of discrepancy in the Unit Rate and Amount, Unit Rate will govern.
- vii) Price or any indication of price shall **NOT** be mentioned in the Techno-Commercial Bid.
- viii) The sealed tenders received will be opened on scheduled opening date and time in the office of Material Management, in presence of such bidders who might choose to witness the same
- ix) In case the date of tender opening happens to be holiday, the tender will be opened on the next working day at the same time.
- x) Communication regarding date of opening of Price-Bid to the techno-commercially eligible bidders will be sent only to their e-mail address given in tender documents.
- xi) 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.
- xii) BPSCL reserves the right either to reject any/all the tenders without assigning any reason thereof.



**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, 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:** In the event of supply not being effected within the contractual delivery schedule given in the order, excluding the time taken by BPSCL in approval of the drawings submitted by you, if any, liquidated damages @ ½ % of the value of delayed materials for each week of delay and part thereof, subject to a maximum of 05% of the total order value shall be recovered from you. The deduction of such damages shall not relieve you from the contractual obligations to complete the supply as stipulated in the Contract.
- 2.05 **Risk Purchase:** If you fail to deliver the material either in full or in part, within the prescribed delivery period, BPSCL shall be entitled at its option to take alternate procurement action, at your risk & cost for the unsupplied portion of the goods / items for which delivery period has expired.
- 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](http://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. 20 Lakh	10% of Purchase order value.
ii.	Over Rs. 20 Lakh up to 100 Lakhs	05% of Purchase order value subject to a minimum of Rs.2,50,000.00.

The Security Deposit shall be in the form of **Bank draft / Bankers Cheque / Bank Guarantee** (as per BPSCL format available at [bpscl.com](http://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.*

**Note:**

- If the Security Deposit is submitted in the form of Bank Guarantee, then the same shall be issued by a Scheduled Bank / Nationalized Bank from its Local Branch at Bokaro Steel City as per format available on [www.bpscl.com](http://www.bpscl.com).
- In case, the Bank Guarantee is issued from an outstation Branch, its confirmation must be given by its local operating branch.
- There must be a clause in the BG stating “Claims, if any, will be lodged by BPSCL to the local representing Branch of the Bank at Bokaro Steel City”. The Local representing Branch shall be required to confirm accordingly and name of the confirming branch at Bokaro Steel City must be mentioned in Bank Guarantee itself.

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

<b>Sl. No.</b>	<b>ITEM DESCRIPTION</b>	<b>QUANTITY</b>
1.	<b>Cat. No.08822501200</b> <b>Isoperibol Bomb Calorimeter (Bench top)</b> including all required accessories & installation. Make: LECO / PARR / IKA / CKIC Detailed specification as given below.	01 No.

**3.2 Detailed Specification:**

- i) Microprocessor based control and measurement system
- ii) The bomb calorimeter shall work wholly under the principal of Isoperibol mode for determination of GCV of mainly solid fuels such as coal as per Indian/ International Standards like BIS and ASTM.
- iii) Capacity to measure upto 8000 Kcal/Kg for 1gm sample
- iv) Units of GCV should be Kcal/Kg, Cal/g, BTU/lb or MJ/Kg.
- v) Sample size- 0.2 g-1.4 g
- vi) Precision  $\leq$  0.1% RSD or less
- vii) Resolution- 0.1 Kcal/kg, 1 BTU/lb, 0.1 Cal/g OR 0.001 MJ/kg
- viii) Analysis time: When combustion bomb has been prepared and ready to be immersed in bucket the total time required including the time taken for feeding the parameters into machine the time taken to measure and report the calorific value shall be within 15 minutes.
- ix) The combustion bomb shall be capable of withstanding oxygen gas pressure of min 30 atm.
- x) Oxygen filling shall be carried out by specially designed valve so that after attaining 30 atm. pressure gas filling shall be automatically cut-off.
- xi) For monitoring oxygen gas filling to the required pressure, a regulator with pressure gauge shall be supplied.
- xii) 01 No. of Oxygen Bomb shall be supplied with the instrument with measuring capacity as per technical specifications. All parts of the Bomb are to be constructed of materials which are not affected by the combustion process or products. There must be no gas leakage during test. The material of construction of the bomb shall be declared.
- xiii) The calorimeter should be of removable Bomb & removable Bucket type. The material of construction of the Bucket shall be declared.
- xiv) The calorimeter should be working on the Isoperibol method where outer jacket temperature is controlled, recorded and maintained at constant temperature (Isoperibol).
- xv) The calorimeter shall be supplied with provisions for imparting thermo chemical corrections for nitrogen, Sulphur, ash, moisture and thermal radiation. This has to be demonstrate during commissioning.
- xvi) Temperature resolution- 0.0001 °C
- xvii) Continuous monitoring of both calorimeter vessel (bucket) temperature and jacket temperature
- xviii) Operating temperature- up to 30 °C
- xix) The system software should automatically keep track of the number of times bomb has been fired. (Necessary pressure certificate should be supplied along with the bomb)
- xx) Instrument control: The bomb calorimeter shall be equipped with a user friendly software based interface for feeding the test parameters and carrying out auto ignition of sample, auto measurement of various parameters up to the end of analysis of calorific value. In this regard it can have a separate input system such as a PC or it can have onboard control system with colour LCD display with input peripherals. The calorimeter should have options for getting the data such as temperature increase vs time, energy release vs time. This feature should be demonstrated during commissioning.
- xxi) Power- 230  $\pm$  10 V AC, 50 Hz.
- xxii) A compatible PC shall be supplied, if necessary for operating the instrument.
- xxiii) 10 Nos. of sample crucible shall be supplied along with the instrument.

- xxiv) Accessories to be supplied along with the instrument as standard scope of supply:
- Pre calibrated Analytical Balance with precision up to  $\leq 0.0001$  g.
  - Test certificate for the oxygen gas regulator as per applicable international guidelines or codes.
  - Calibration certificate for combustion bomb from OEM for ascertaining the applicability in measurement of calorific value as per international guidelines or codes.
  - 100 numbers of pellets of Benzoic Acid (1.0 gram each) shall be supplied along with the instrument with test certificates for calorific value.
  - Fuse wire of min 1.5 m length shall be supplied along with the instrument.
  - The instrument should have provision for connecting a printer for printing the results.
  - Necessary connecting cables and peripherals shall be supplied along with the instrument.

### 3.3 Special Terms and Conditions:

- The Supplier will have to submit Manufacturer's Test Certificates and Guarantee Certificate along with the material.
- Installation and PG test are in the scope of the supplier and shall be carried out under supplier's supervision. Charges for complete installation and testing at site (including travelling charges, boarding & lodging) should be borne by the supplier. Price quoted should be inclusive of complete installation in all respects at our site.
- Operation and maintenance manual in hard copy (01 set) and soft copy in pen drive (01 no.) shall be provided along with the equipment.
- All the necessary spares, consumables and accessories required for successful installation and commissioning should be provided as standard scope of supply by the supplier and availability of such items shall be ensured by supplier at site during installation and commissioning activity.
- The supplier has to demonstrate the methodology of operation and calibration & corrections of equipment and impart adequate training to laboratory staff for this purpose.
- Bidder shall have to confirm to provide spares support for the instrument for at least 10 years.

### 3.4 The Commercial Bid should confirm / indicate the following:

1.	Price	Firm price for the duration of the Contract.
2.	Delivery Term	FOR BPSCL Stores, B. S. City.
3.	Packing & Forwarding Charges	Inclusive
4.	Freight Charges	Inclusive
5.	Transit Insurance	To be arranged and borne by Supplier
6.	GST Registration	To indicate GST Registration Number
7.	GST	Extra- <i>Applicable rate to be mentioned</i> HSN/ SAC- <i>to be mentioned</i>
8.	Payment Term	1. 90% against GRN. 2. Balance 10% after successful Installation.
9.	Delivery Period	a. Material shall be delivered within 03 (three) months after placement of P.O. b. Instrument needs to be installed at our site within 15 days of receipt of item at our site.
10.	Guarantee Clause	The guarantee period should be at least twelve (12) months from the date of commissioning. For any defects discovered during guarantee period, the defective item shall be repaired / replaced at no extra 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	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**) 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. per No. on Landed Cost (LC) basis excluding GST.**

<b>Price Break Up</b>		
<b>Sl. No.</b>	<b>Component of Price</b>	<b>Rate per No. (Rs.)</b>
1.	Basic Price	
2.	Packing & Forwarding	
3.	Freight	
4.	Transit Insurance	
5.	Any other tax or charges	
<b>LANDED COST (1+2+3+4+5)</b>		

**Note: GST Extra**

**Self Declaration**

I.....son/daughter of Shri ..... Aged..... years  
resident of .....PS.....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  
1<sup>st</sup> Floor, Tata Centre  
43, Jawaharlal Nehru Road  
Kolkata – 700 071

**Fax: 033 – 2288 3279**

**Ref: Reverse Auction for .....for 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 ..... for .....for Bokaro Power Supply Co. (P) Ltd., Bokaro Steel City.

<b>Market No.</b>	<b>Last Quoted Price</b>

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 :