

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/23-24/PUR-145/NIT-1384
Dated 14.12.2023**



TENDER DOCUMENT

SUBJECT: Procurement of IR Thermo Vision Camera.

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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/23-24/PUR-145/NIT-1384

Date: 14.12.2023

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	Procurement of IR Thermo Vision Camera.
Earnest Money (in Indian Rs.)	Rs. 15,000.00 (Rupees Fifteen Thousand) Only OR Document for Exemption as per clause (ii) of General Terms & conditions.
Last date & time for submission of tender	12.01.2024 up to 12: 00 Hours
Bid Opening date & time	12.01.2024 at 12:15 PM

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. 4.61 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 shall have requisite experience of manufacturing or supplying of **IR Thermo Vision Camera** in India to any PSU / Government / Semi Government Organization or Joint Venture thereof / Company registered under Companies Act in India.
- 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 – II**.
- 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 – III**.

General Terms & Conditions:

- 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.

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.
 - 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) Conditions for claiming exemption from submission of EMD:
- a) If the Bidder is a Micro or Small Enterprise (MSE) / 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 unsuccessful 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:**
- a) BPSCL reserves the right to discover the L-1 bidder/ tenderer amongst the techno- commercially qualified bidders/ tenderers by opening the sealed price bids, pre-submitted (*on www.buyjunction.in* by such bidders along with the techno-commercial bids or by conducting RA by our service provider **M/s. mjunction**.
 - b) For Reverse Auction, **Start Bid Price (SBP)** will be the system driven **Lowest Online Sealed Price Bid** received on the e-procurement Portal on or before BOD. During RA, leading L-1 price bid will be visible to all the participating bidders.
 - c) In case, no bid is received during Reverse Auction, then the lowest price (L-1 price) received along with the techno-commercial bids on or before BOD shall be binding on the bidder(s)/ tenderer(s) and the case may be processed on the basis of the L-1 price and the relative ranking of the bidders/ tenderers therein.
 - d) Bidder(s)/ Tenderer(s) shall be required to submit detailed price break-up , as per RFQ, within the stipulated time. Non-Submission of detailed price break-up within stipulated time, wherever required, by the L-1 bidder/ Matched L-1 bidder, post RA, will be treated as backing out of the bidder and the bidder will be suspended for a period of 01 (one) year from the date of issue of suspension order.
 - e) Re-launching of RA will not be applicable. However, in situations where the Reverse Auction was not triggered due to any technical reasons affecting bidder participation, RA may be re-launched at same SBP.
 - f) The bidding in RA event will start with a decrement over the SBP and cannot be SBP itself.
 - g) Price Matching: **Not Applicable in this Tender**
 - i) If price matching is required to be done in case of multiple sources, the same will be done online after finalization of the L-1 price (i.e. after price negotiation, wherever applicable).

Where multiple items comprise a lot/ matching parts and price of the component items of the lot/ matching parts is available, then price of each item of the lot/ matching parts as quoted by L-1 bidder is also to be matched individually along with total lot L-1 price.

- ii) The price matching event shall be extended to all the techno-commercially acceptable bidders allowed to participate in the RA. For such price-matching, preference will be given to the bidders who submitted bids in the RA. That is, the relative ranking of bides (a) for vendors who have submitted bids in the RA shall be as per their ranking in RA and thereafter (b) for vendors who have not submitted bids in RA shall be considered as per their original ranking based on their pre-submitted price bids in the e-procurement portal.
- 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)
Contact No.: 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**), shall be submitted 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

Sl. No.	Contact Person	E-mail id	Mobile No.
1.	Ms Naaz Ansari	naaz.ansari@mjunction.in	9163348211
2.	Ms Debalina Maity	debalina.maity@mjunction.in	8336991451
3.	Ms Priyanka Mazumdar	priyanka.mazumdar2@mjunction.in	6292262054
4.	Mr. Mukesh Kumar Singh (Bokaro Office)	mukesh.singh@mjunction.in	8873002741

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, 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 The shortfall information / documents (if required) shall be sought only in case of historical documents which pre-existed at the time of the tender opening and which have not undergone change since then.

Explanation: For example, if the Permanent Account Number, registration with Sales Tax / VAT, GSTN number, etc. has / have been asked to be submitted and the bidder has not provided them, these documents shall be asked for.

2.03 So far as submission of documents is concerned with regard to qualification criteria, after submission of the tender, only related shortfall documents shall be asked for and considered.

Explanation: For example, if the bidder has submitted a supply order / contract without its completion / performance certificate, the certificate shall be asked for and considered. However, no new supply order / contract shall be asked for.

2.04 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

2.05 **Delivery:** Timely delivery is the essence of the contract & must be completed as per the dates specified therein.

2.06 **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.

2.07 **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.

2.08 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.

- 2.09 **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.
- 2.10 **Paying authority – In-charge (F&A), BPSCL.** Bill in triplicate duly receipted on the revenue stamp with cancelled cheque/ bank mandate are to be submitted to In-Charge (F&A), Bokaro Power Supply Company (P) Limited for processing of the same.
- 2.11 **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.
- 2.12 **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.
- 2.13 **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.
- 2.14 **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) 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.
- 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:

Sl. No.	ITEM DESCRIPTION	QUANTITY
1.	Cat. No. – 16700700200 IR Thermo Vision Camera Temperature Measurement Range: -20°C to 1000°C or more Temperature Measuring Accuracy of Reading: ± 2% or ± 2°C (or better) Infrared Resolution: 640 x 480 pixels with minimum 180° Tilttable lens or better Resolution: Not less than 5 MP with LED Light with Flash LCD Display: Min. 4 Inch or more, Colour LCD (Detailed Technical Specification as given in Tender)	01 Number

3.2 Special Terms and Conditions:

- Test Certificate & Guarantee Certificate shall be supplied along with the material.
- The infrared thermal imaging & measurement system should be based on latest technology and should be capable of displaying thermal images.
- The system should be light-weight, handheld, & on-board battery operable.
- The IR thermal system should provide colour image display built in on a LCD panel.
- Customer defined colour scale utilization should be possible & a minimum of 4 colour scale should be available.
- The unit should have latest / standard port for image transfer
- The offered system should give provision of lens interchangeability option such as narrow angle lens / wide angle lens/ close up lens / telescopic lens etc.

3.3 The Commercial Bid should Confirm/indicate the following:

1.	Price	The Price Quoted shall be firm till the completion of delivery and on F.O.R. Destination Site basis Bidder has to quote the unit basic price inclusive of P&F, Freight, Insurance Charges and any other charges on LCNS basis.
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	100% against GRN
9.	Delivery Period	Material shall be delivered within four (04) months from the issue of purchase order.
10.	Guarantee Clause	A guarantee for a period of forty eight (48) months from the date of successful demonstration at BPSCL shall be given by the supplier. In case of any manufacturing defects discovered within the guarantee period of normal operation, the same are to be rectified or replaced by supplier 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:

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 LCNS 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 LCNS basis.**

Price Break Up		
Sl. No.	Price Component	Rate per no. (Rs.)
1.	Basic Price	
2.	Packing & Forwarding	Inclusive
3.	Freight	Inclusive
4.	Transit Insurance	Inclusive
5.	Any other tax or charges	Inclusive
A.	LANDED COST (LC) (1+2+3+4+5)	
B.	GST @%	
C.	Input Tax Credit on GST @ 87.01 %	
D.	Landed Cost Net of ITC Set Off (LCNS): A+B-C	

Technical Specification		
Sl. No.	Specifications	
1	Temperature measurement range	-20°C to 1000°C or more
2	Infrared resolution	640 x 480 pixels with minimum 180° Tilt able Lens or better
3	Tilt able optical lens	Minimum 180° Tilt able Lens or better, Lens should be tilt able after mounting camera on tripod.
4	Detector Type	Uncooled Focal plane array
5	NETD	50mk @ 30 deg C or better
6	Field of view with Tilt able lens	24°x18° or 34°x24° with minimum 180° tiltable lens or better
7	Minimum Focus distance	0.15 m (0.49 ft.) or better
8	Spatial resolution (IFOV) with standard lens	0.93 mRad / pixel or better
9	IFOV with telephoto lens (spatial resolution)	0.46 mRad or better
10	FOV with Telephoto lens	FOV 14° x 10° Telephoto Lens or better
11	Image frequency	9 Hz or more
12	Focus	Auto Focus and manual focus
13	Digital zoom	8X Digital or better without distortion of image
14	Focal plane array	Uncooled microbolometer
15	Infrared spectral range	7.5-14 µm
16	Resolution	640 x 480 pixels or better with full colour IR as well as Visual
17	Screen size	4 in. or more
18	Touchscreen	IPS/LCD or better
19	Image adjustment	Automatic and Manual
20	Infrared image	Yes
21	Visual image	Yes
22	Super Resolution/ Ultramax	Yes in Software
23	Picture in Picture	Resizable and movable
24	Temperature measuring accuracy of reading	± 2% or ± 2°C (or better)
25	Spotmeter	3 in live mode (Hot and Cold Spot markers)
26	Area	3 in live mode
27	Automatic hot/ cold detection	Auto-maximum/minimum markers within area
28	Measurement presets	• Center spot, • Hot spot, •Cold spot •User preset 1• User preset 2

29	Difference temperature	Yes
30	Reference temperature	Yes
31	Emissivity correction	Yes: variable from 0.01 to 1.0 or selected from material list
32	Measurement corrections	Yes
33	Color alarm	High temperature, low temperature and isotherms (within range) or more
34	Temperature points	Multiple measuring spots shall be available (hottest spot & coldest spot on camera shall be automatically marked and also able to detect air ingress in duct or condenser
35	Measurement function alarm	Audible/visual alarms (above/below) on any selected measurement function
36	Color palettes	Minimum 7 standard palettes and 7 Ultra Contrast Palettes
37	Setup commands	Local adaptation of units, English language (India), date and time formats
38	Camera software update	Using USB cable or SD card
39	Storage media	Removable memory; SD card minimum (4GB) or more
40	Remote control operation	Using USB cable or Wi-Fi
41	Image file format	File image to be exported either in any of the format bmp, avi, jpg, csv, jpeg etc
42	Annotation	Voice and Text shall be possible
43	Laser distance meter information (Built in)	Should be built in and display the distance on screen during thermography
44	Resolution	Not less than 5 MP with LED light with Flash
45	Laser alignment	Position is automatically displayed on the infrared image
46	Laser distance meter	Activated by a dedicated button
		The instrument must be able to calculate the distance to the target for precisely focused images and display the corresponding value on the screen
47	Other correction features	On-screen Emissivity Correction, Atmospheric transmission correction(based on distance, temperature and humidity) and reflected temperature correction(preferably automatic based on input) shall be possible
48	Interfaces	USB/Wi-Fi/HDMI/Bluetooth/RJ45 any two or more shall be available
49	Video Recording	Standard and Radiometric IR video Recording
50	Battery type	Rechargeable Li-ion battery
51	Battery operating time	> 2 hours at 25°C (68°F) and typical use
52	Power Supply	230 Volts ± 10%, 50Hz ± 5%
53	Power management	Automatic shutdown and sleep mode
54	Operating temperature range	- 10 to + 50°C or better
55	Storage temperature range	- 20 to + 50°C or better

56	Relative humidity	10% to 95% non-condensing & better
57	Vibration	Camera shall have a vibration resistant body (2.0 g or more as per IEC 60068-2-6) or Equivalent
58	Shock	Camera shall have a shock proof body (20 g or more as per IEC 68-2-27) or Equivalent
59	safety	As per IEC
60	Ingress Protection	Camera shall be rated IP-54 or better
61	Environment	The test kit shall be compatible for EMI/EMC/safety environment requirement as per IEC
62	Weight (including battery)	Total weight of instrument (with battery) must be less than 1.75 kg for easy portability and easy of carrying out.
63	Free Analyzing Software	Download image, Analyzing and reporting with desired comments via supplied software. The software should be suitable for optimizing thermal images, perform analytics, generate quick, customizable, robust reports, and export images to any format (BMP, GIF, JPEG) on windows based platform. Online Radiometric video recording to analyzer latter and software license for unlimited PC and life time license
64	Calibration	Unit shall be duly calibrated before supply and the date of calibration shall not be earlier than one month from the date of supply of instrument
65	Accessories to be supplied along with instrument	1) One complete set of both types of lenses (Standard and Telephoto) with caps
		2) Removable Memory Card (Min. capacity of 4 GB) with 02 nos. adapters
		3) Windows base software for image & video viewing and reporting
		4) Two Sets of Batteries with two charging adapters
		5) All the required accessories (like communication cables, power cable with Indian plug, HDMI cable etc) tools for the complete functioning of kit.
		6) Operating Manual (Hard as well as Soft) and provide Calibration Certificate, Test Reports certificate and country of origin
		7) One suitable tripod for holding camera
		8) IP-66 or Better rated Hard carrying case (which should be robust/ rugged enough) for ensuring proper safety of the kit during transportation.
66	Documents to be submitted along with Supply	<ol style="list-style-type: none"> 1. Manufactures Test Certificate. 2. Guarantee Certificate. 3. Calibration Test Certificate. 4. Performances Guarantee Certificate
67	Service support	Supplier must be available at BPSCL site within 15 days from the service call from BPSCL during guarantee period. In case equipment/ accessory cannot be rectified at site, supplier must arrange an alternative of similar make and year on returnable basis within 20 days from service call till the equipment rectified/replaced with new one free of cost.
68	Training and Acceptance	Supplier has to demonstrate the functionalities of the Instrument within one month after supply of item. During demonstration technical acceptance of the offered test kit will be decided as per mentioned specifications. Charges on account of demonstration shall be in supplier's scope. Training has to be given to BPSCL engineers regarding complete functionality at BPSCL, B.S.City to their overall satisfaction. Failure to demonstrate any of the Technical Specifications shall lead to rejection of the instrument

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

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 :