Subject: Invitation of Online Quotation for “IR PYROMETER” for JNARDDC- in 2 (Two) bid

Dear Sir,

CORRIGENDUM NO 02

Following corrigendum is being issued for the procurement of “IR PYROMETER” in Two bid system through our tender no 85/JNARDDC/S&P/2019-20/P-26 Date: 19/03.2020

<table>
<thead>
<tr>
<th>Clause existing in tender</th>
<th>Clause amended (Read As)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. You are therefore requested to send your competitive offer for above on JNARDDC e-Tender portal. <a href="https://mines.euniwizarde.com">https://mines.euniwizarde.com</a> latest by 10.06.2020 (23:58 Hrs)</td>
<td>You are therefore requested to send your competitive offer for above on JNARDDC e-Tender portal. <a href="https://mines.euniwizarde.com">https://mines.euniwizarde.com</a> latest by 21.06.2020 (23:58 Hrs)</td>
</tr>
<tr>
<td>EMD : Rs.35,000/- (Thirty Five thousand only) should be paid in favour of JNARDDC by way of D.D. (Terms &amp; Conditions is given in Annexure ‘B’)</td>
<td>EMD Rs. 35,000 can be deposited online. Proof or remittance to be uploaded while submitting the tender: Details of banks is: IDBI Bank, Civil Lines, Main Branch, Nagpur-440001 A/C no. 041104000192392 A/c name : Jawaharlal Nehru Aluminium Research Development &amp; Design Centre, Nagpur (JNARDDC), Branch Code : 0041 MICR no. 440259002 IFSC Code IBKL0000041</td>
</tr>
<tr>
<td>Bid Opening Date : 11.06.2020 (12.00 Hrs)</td>
<td>Bid Opening Date : 22.06.2020 (12.00 Hrs)</td>
</tr>
<tr>
<td>Annexure ‘B’</td>
<td>The Refundable Earnest Money Deposit (EMD) Rs. 25,000/- (Twenty five thousand) should be paid by way of DD in favour of ‘JNARDDC’. DD should be deposited before due last date of tender by way of POST/By Hand.</td>
</tr>
<tr>
<td></td>
<td>Read as ; EMD 35,000/- (Thirty Five thousand only). Online can be remitted.</td>
</tr>
</tbody>
</table>

Web Site: www.jnarddc.gov.in and. https://mines.euniwizarde.com | Email: purchasejnarddcnagpur@gmail.com | - for complete details.

Thanking you

(Lalit Mohan)
Consultant Admin
Ref: 85/JNARDDC/S&P/2019-20/P-26

Date: 19/03.2020

Subject: Invitation of Online Quotation for “IR PYROMETER” for JNARDDC- in 2 (Two) bid system

Dear Sir,

The Centre is interested in procurement of “IR PYROMETER” in Two bid system. As per details technical specification is given in Annexure-A.

<table>
<thead>
<tr>
<th>Sr.</th>
<th>Description of Item</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>“IR PYROMETER”</td>
<td>One Nos.</td>
</tr>
<tr>
<td></td>
<td>As per technical specification (Annexure-A) and other tender standard terms and conditions are given in Annexure – B</td>
<td></td>
</tr>
</tbody>
</table>

You are therefore requested to send your competitive offer for above on JNARDDC e-Tender portal. https://mines.euniwizarde.com latest by 09.04.2020 (23:58 Hrs)

The offers, in the prescribed format, shall be submitted online at https://mines.euniwizarde.com/ as per the tender document. No tender will be accepted in hard copy, fax, e-mail or any other such means. The intending bidders must be registered with e-Procurement website https://mines.euniwizarde.com/ The tender document is also available on JNARDDC website: http://www.jnarddc.gov.in/ and CPP Portal https://eprocure.gov.in/cppp/

EMD : Rs.35,000/- (Thirty Five thousand only) should be paid in favour of JNARDDC by way of D.D. (Terms & Conditions is given in Annexure ‘B’)

Opening Date : 10.04.2020 (12.00 Hrs)

Bids should be submitted online through https://mines.euniwizarde.com/.

1. Technical Bid
2. Price Bid
3. EMD (By hand/post)

Web Site: www.jnarddc.gov.in and. https://mines.euniwizarde.com} Email: purchasejnardc nagpur@gmail.com - for complete details

मध्यप्रदेश,
आपका आभार,
(ललित मोहन)
सीख वरीदं एवं भंडार

RAGHUPATHY
SRINIVASAN

Digitally signed by
RAGHUPATHY SRINIVASAN
Date: 2020.03.19 14:43:24
IST
## Technical specifications for IR pyrometer

<table>
<thead>
<tr>
<th><strong>Instrument</strong></th>
<th>Online Multiwavelength IR pyrometer complete in all respect to measure the temperature of heated aluminium billets &amp; profiles during extrusion process</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sensor-Type</strong></td>
<td>Multi-wavelength pyrometer (dual wavelength is not acceptable)</td>
</tr>
<tr>
<td><strong>Temperature range</strong></td>
<td>200-600 °C</td>
</tr>
<tr>
<td><strong>Spectral Response</strong></td>
<td>nominal 2 micron range</td>
</tr>
<tr>
<td><strong>Optical Resolution</strong></td>
<td>D/17 or better</td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td>0.25% of Reading or 2°C with E-slope offset</td>
</tr>
<tr>
<td><strong>Repeatability</strong></td>
<td>Better than 1°C</td>
</tr>
<tr>
<td><strong>Emissivity output</strong></td>
<td>Yes (automatic emissivity output no adjustments needed), capable to tolerate change in texture, and different aluminum alloys</td>
</tr>
<tr>
<td><strong>Aluminum profile emissivity</strong></td>
<td>Sensor shall detect and read emissivity below 0.1, in a range of 0.04-0.08 for aluminum profiles.</td>
</tr>
<tr>
<td><strong>Suitability for different locations</strong></td>
<td>Suitable for aluminum extruded profile and billet temperature with special algorithm for Aluminum profile, Aluminum billet</td>
</tr>
<tr>
<td><strong>Response and Update Time</strong></td>
<td>50ms (initial response) with 25ms update time or better</td>
</tr>
<tr>
<td><strong>Object aiming</strong></td>
<td>Laser aiming for proper sensor alignment to target</td>
</tr>
<tr>
<td><strong>Laser</strong></td>
<td>Laser is emitted from the center of optical lens for accurate alignment</td>
</tr>
<tr>
<td><strong>Filters</strong></td>
<td>Suitable filters for eliminating interference from sources such as Reflections, flames, sparklers, and misalignment. Also, Not affected by light lamps at press exit</td>
</tr>
<tr>
<td><strong>Different shape profiles</strong></td>
<td>Sensor suitable for all shapes / types of profiles, multicavity, multiport, tubes etc.</td>
</tr>
<tr>
<td><strong>Digital Interface</strong></td>
<td>Bi-Directional RS485 and RS232 communications</td>
</tr>
<tr>
<td><strong>Human Interface</strong></td>
<td>Built-in Menu System with Access to Averaging, Peak/Valley Hold (Time or Temp Reset), Programmable Outputs and Alarms</td>
</tr>
<tr>
<td><strong>CE CERTIFICATION</strong></td>
<td>EMI / RFI for heavy industry; LVD (Low Voltage Directive)</td>
</tr>
<tr>
<td><strong>ANALOG INPUTS</strong></td>
<td>Sample and Hold, External Peak Hold Reset, Analog input for remote parameter adjustments</td>
</tr>
<tr>
<td><strong>Programmable Relay Alarms</strong></td>
<td>Select alarm parameter and set point</td>
</tr>
<tr>
<td><strong>Analog outputs</strong></td>
<td>Output 1: Display with respect to temperature</td>
</tr>
<tr>
<td></td>
<td>Output 2: Display with respect to real time emissivity.</td>
</tr>
<tr>
<td><strong>Ambient Temperature Limits</strong></td>
<td>Sensor: 0 to 140°F / -17 to 65°C, with Water Cooling limit is 350°F / 175°C (varies with water rate and temp)</td>
</tr>
<tr>
<td><strong>Alarm</strong></td>
<td>Ambient temperature alarm from remote display</td>
</tr>
<tr>
<td><strong>Enclosure Rating</strong></td>
<td>Corrosion Resistant, Aluminum Enclosure with NEMA 4X (IP65) Rating.</td>
</tr>
<tr>
<td><strong>Parameters required</strong></td>
<td>a. Unfiltered temperature of aluminum</td>
</tr>
<tr>
<td></td>
<td>b. Filtered temperature of aluminum</td>
</tr>
<tr>
<td></td>
<td>c. Emissivity of aluminum</td>
</tr>
<tr>
<td></td>
<td>d. Signal dilution</td>
</tr>
<tr>
<td></td>
<td>e. Ambient temperature of sensor</td>
</tr>
<tr>
<td></td>
<td>f. Single wavelength output for diagnostic purpose</td>
</tr>
<tr>
<td><strong>Input Power</strong></td>
<td>240± 20V ac or better</td>
</tr>
</tbody>
</table>
The service centre of OEM must be available in India for provide the repair services and availability of spares. Address of registered service centre should be provided by bidder.

**ANNEXURE – B**

**IR PYROMETER**

जवाहरलाल नेहरू एल्यूमीनियम अनुसंधान विकास एवं अभिकल्प केंद्र

स्वायत्त संस्थान, खान मंज़िल, बादी नागपुर

www.jnarddc.gov.in (07104-297014)

**Standard Terms & Conditions of the Tender- 2019-20**

1. Technical bid, Price bid should be submitted online. EMD Rs. 25000/- and tender-fees Rs. NIL should be paid by way of DD in favour of ‘JNARDDC’. DD should be deposited before due last date of tender by way of POST/BY Hand. Without EMD online bid will be rejected. All pages of bids should be duly rubber stamped and signed of the authorized person of the firm.

2. Bidder has to mentioned only one model. If any bidder mentioned multiple model/brands, the bid will be rejected.

3. If the bidder is not a registered vendor of JNARDDC, then the bidder should have following documents while submitting the offer which is compulsory for vendor registration with JNARDDC. (1) Shop & Establishment / Registration of company certificate / MSME-2006 (issuing certificate of registration for Micro / Macro / Small Scale Industries Certificates) / Certificate of Registration (2) PAN & GST No. (3) I/T Returns (4) Account No. of Firm.

4. Basic Price should be quoted in one currency only (i.e either in foreign currency or in Indian Rupees). Price bid containing the basic price in multiple currencies will be rejected. Currency conversion rate on the date of opening of price bid will be considered for determining the L-1 party.

5. The Refundable Earnest Money Deposit (EMD) Rs. 25,000/- (Twenty five thousand) should be paid by way of DD in favour of ‘JNARDDC’. DD should be deposited before due last date of tender by way of POST/BY Hand. Without EMD online bid will be rejected. However, EMD is exempted for firms registered with Central Purchase Organization or with Ministry of Mines or Micro and Small Enterprises (MSEs). But the registration certificate should clearly include the name of the item/services they are offering which are manufactured by them and not for selling products manufactured by other firms. Foreign suppliers directly quoting and participating in the tender will also be exempted from EMD and Tender Fee. To avail EMD exemption, the bidder has to quote Udyog Aadhar Memorandum (UAM) registration no. issued by MSME. However, Indian agents/representative quoting on behalf of principals shall pay EMD & Tender Fee. One EMD will be accepted against one bid Ref. page-1 for EMD.

6. The Bid Security / EMD (as applicable) without interest will be returned to the unsuccessful bidder within 30 days of the award of the Contract / Job. The bid security/EMD of successful bidder will be treated as Performance security. The "Performance Security Deposit" will be released without interest after a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations and subject to certification of Indenter / Authorized representative of the Centre.
7. If any firm is exempted for depositing the EMD as per the provisions mentioned in para 4, and emerged L-1 firm, they had to deposit the amount equivalent to EMD or any amount decided by JNARDDC through cheque/DD or bank guarantee as performance security deposit and will be released as per clause mentioned in para 5 above. OR amount equivalent to EMD will be deducted from their payment against invoice and will be released as mentioned in para 5 above.

8. Payment shall be released within **45 days after** receipt of items in complete and good condition and complete installation & commissioning and certification of bill by Indenter / Authorized representative of our Centre for domestic supply. **For foreign import**, **70% payment** will be made by irrecoverable letter of credit and balance 30% will be paid after complete supply, installation and commissioning and completion of all contractual obligations by the supplier including warranty obligates etc, if any. For JNARDDC presently excise duty is NIL and custom duty is concessional – 5.15% as applicable. For JNARDDC Excise duty was NIL. GST / Govt taxes as applicable shall be paid as notified by Govt. of India.

9. Deviation table should be enclosed to outline the deviation (if any) from the tendered technical specification in comparison to the bid quoted. Simply enclosing our spec sheet without providing any details may lead to rejection of the bid.

10. A List of recent **5 (FIVE)** satisfied customer to whom subject item has been supplied in India with full address should be provided. Copy of purchase orders to be enclosed.

11. The **service centre of quoted item** must be available in India for provide the repair services and availability of spares. Address of registered service centre should be provided by bidder.

12. Validity of the Tender should be minimum upto **three months**.

13. Delivery period should be clearly mentioned. For delay **liquidated damage** is @ 0.5% of PO value for each week of delay in execution of work as per Work Order will be applied while releasing the payment.

14. Item should be delivered upto JNARDDC, Nagpur.

15. Product leaflet of the item should be enclosed.

16. Cost should be on Door delivery basis upto JNARDDC, Nagpur/ or CIP upto JNARDDC Nagpur.

17. In case of after issuing the purchase order, **L-1** firm not accepting the order his EMD will be forfeited and **L-2 firm will be given opportunity** to supply the item after negotiation with same price and term and conditions with L-1 firm.

18. Disputes and Jurisdiction:- Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Nagpur. Decision of Director will be final in all tenders. For any further clarification the contract personnel shall be the In charge (Purchase & Stores), JNARDDC - purchasejnarddcnagpur@gmail.com.

19. Bidders submitting bids, should have proper authorization letter from the original equipment manufacturer (OEM)/distributor and the same should be attached along with the bid falling which bid will be rejected and EMD fortified.

20. **GUARANTEE/WARRANTY** should be clearly mentioned.
21. **SOFTWARE:** If item is supplied with software then necessary details regarding validity of software, updates additional cost should be clearly mentioned.

22. **MANUALS:**

All the operational manual, application manual as well as service manual along with schematic diagram in English are to be provided. Test Reports for all the modes of operation to be provided.

23. **TRAINING:**

a) On-SITE training at JNARDDC by the Supplier to be provided by the representative of JNARDDC.

24. **INSTALLATION:**

The Instrument should be installed and tested (free of cost) at our site ie., JNARDDC, Amravati Road, Wadi, Nagpur to the satisfaction of user.

25. **GENERAL:**

a) The Supplier shall at its own expense will arrange all mandatory tests required for certifying the serviceability/inspections of the goods.

b) The vendor has to provide clear compliance statement with respect to the specifications given in the Tender document and fully supported by the manufacture’s original literature/brochure.

c) All pre-installation requirements specific should be intimated to purchaser.

**Instructions for Online Bid Submission:**

The bidders are required to submit soft copies of their bids electronically on the e-tender Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e-Procurement Portal, prepare their bids in accordance with the requirements and submitting their bids online on the e-Procurement Portal.

More information useful for submitting online bids on the e-tender Portal may be obtained at: https://mines.euniwizarde.com.

**REGISTRATION**

1. Bidders are required to enroll on the e-Procurement Portal (URL: https://mines.euniwizarde.com) with clicking on the link “Online bidder Registration” on the e-Procurement Portal by paying the Registration fee of Rs. 2360/- year charge.

2. As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder.

4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.

5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.

6. Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.

7. For any Query contact to our helpdesk Number 011-49606060, Email: helpdeskeuniwizade@gmail.com, Mr. Mahesh–7030104133.

8. The scanned copies of all original documents should be uploaded on portal.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the e-Procurement Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Item/work id, Title, Date, etc.

2. Once the bidders have selected the tenders they are interested in, the bidder can pay the processing fee of Rs.590/- (NOT REFUNDABLE) by net-banking / Debit / Credit card and then download the required documents / tender schedules, Bid documents etc. Once both tender fees are paid, it will be moved to the respective “requested” Tab. This would enable the e-tender Portal to intimate the bidders through e-mail in case there is any corrigendum issued to the tender document.

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.

2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.

3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF /JPEG formats. Bid Original documents may be scanned with 100 dpi with Colored option which helps in reducing size of the scanned document.

4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Documents” available to them to upload such documents.
5. These documents may be directly submitted from the “My Documents” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.

3. Bidder has to select the payment option as “DD” to pay the EMD as applicable and enter details of the instrument.

4. Bidder should prepare the EMD as per the instructions specified in the tender document & submit EMD fee manually at department end. The original bid should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.

5. *Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

6. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9. Upon the successful and timely submission of bid click “Complete” (i.e. after Clicking “Submit” in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.

10. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.