



जवाहर लाल नेहरू एल्युमिनियम अनुसंधान विकास एवं अभीकल्प केन्द्र
Jawaharlal Nehru Aluminium Research Development & Design Centre
Amravati Road, Wadi, Nagpur - 440 023, India
website: www.jnarddc.gov.in

Ref : 66 /JNARDDC/S&P/2017/G-13

Date: 09.01.2017

Invitation for Quotations
(ONLY THROUGH ELECTRONIC TENDERING SYSTEM)

1. **Jawaharlal Nehru Aluminium Research Development & Design Centre** is inviting E-Tender for procurement of “Digital Flue Gas Analyser” for JNARDDC.
2. Bidders satisfying the technical and commercial conditions specified in the bid and ready to supply the mentioned products in conformity with the Scope of Supply and Technical specification provided in NIT and terms and conditions stipulated herein may submit their commercial quotes through online as provided in the e-Tendering portal www.tenderwizard.com/eproc. **The quote should be submitted electronically only on the JNARDDC e-Tendering Portal www.tenderwizard.com/eproc within the tender submission closing time.**
3. Tenders are invited in two parts (Techno-commercial & Financial) from eligible and qualified Tenderers for supply of following Goods:

Sl. No.	Description	Qty.
1.	Supply of “Digital Flue Gas Analyser” for JNARDDC. As per detail specification given in Annexure – A & details Terms and Conditions given in Annexure –B	One

Tender Number:	Ref. 66/JNARDDC/S&P/2017/G-13
Type of Tender:	TWO BID
Tender Processing fee (Non Refundable)	Rs. 575/- (inclusive of 15% service tax)
Refundable EMD:	Rs. 15,000/- only to be paid in online mode only using www.tenderwizard.com/eproc .
Tender Authorization Date:	12th Jan 2017 at 17:00 P.M

Bid Submission Closing date and time along with supporting documents through e-tendering portal.	09th Feb 2017 at 15:00 HRS.
Technical Open Date and Time:	10th Feb 2017 15:30 HRS.
Cost Open Date and Time:	Will be intimated to those bidders whose technical bids are considered responsive.

4. Interested bidders may obtain further information about this requirement from the above office. They may also visit e-Tendering website www.tenderwizard.com/eproc for downloading NIT.
5. The NIT Form with standard tender documents will be accessible in the e-Tendering website (viz, www.tenderwizard.com/eproc).
6. Aspiring Bidders/Contractors who have not registered in e-tendering portal should register themselves using "Register Me" link provided in the e-Tendering website (www.tenderwizard.com/eproc). Bidders will be provided user id & password for participating in the Online Tenders. **The Annual registration charges of Rs. 2300/- (inclusive of 15% service tax) needs to be paid through electronic mode only using debit card, credit card or net banking. Annual Registration fees is valid for one year from the date of registration.**
7. Class III Digital Signature Certificate (DSC) is mandatory to participate in e-Tenders. Participating bidders/Contractors have to make sure that they have the valid DSC. If not, they can procure from any of the RAs approved by CCA.
8. For Any clarification on Electronic Tendering or Request for Electronic Tendering Training, registration and e-payment, please visit e-tendering website www.tenderwizard.com/eproc or contact e-tendering Helpdesk at 080-49352000.
9. Bidders/Contractors should upload and attach all the Scanned copies of technical documents / certificates in e-tendering website www.tenderwizard.com/eproc pertaining to their eligibility criteria mentioned in the NIT, failing which, the bid will not be considered.
10. For those tenderers whose technical bids do not satisfy the eligibility criteria, their financial Bids will not be opened. Tenderers shall ensure that their tenders are complete in all respects as per instructions mentioned in the Tender Documents, uploaded in e-tendering portal (www.tenderwizard.com/eproc) only & submitted through the e-tender portal successfully.
11. The tender documents are not transferable.

आर श्रीनिवासन
(सचिव एवं प्रशासनिक अधिकारी)

ANNEXURE – A

जवाहरलाल नेहरू एल्युमीनियम अनुसंधान विकास एवं अभिकल्प केन्द्र

स्वायत्त संस्थान, खान मंत्रालय, वाडी नागपुर

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

TECHNICAL SPECIFICATION OF DIGITAL FLUE GAS ANALYSER

Portable Digital Flue gas analyser with following Technical features :

Instrument should measure :

Oxygen and Carbon Monoxide, Inlet Temperature, Flue Gas Temperature, Differential pressure and should be able to provide necessary calculations given below.

Technical Specification :

Parameter	Resolution	Accuracy	Range
Temperature Measurement			
Flue gas Temperature with Probe	0.1°C/F	+/- 2°C +/- 0.3 % reading	0-1200°C
Inlet Temperature	0.1°C/F	+/- 1°C +/- 0.3 % reading	0-50°C
Pressure	0.1 mbar	+/- 5% of full scale	150 mbar
Gas Measurement			
Oxygen (O ₂)	0.1 %	+/- 0.2 %	0-25 %
Carbon Monoxide (CO)	1 ppm	± 20 ppm < 400 ppm ± 5% < 5000 ppm ± 10% > 5000 ppm	0-10,000 ppm
Calculations			
Carbon Dioxide (CO ₂)	0.1 %	± 0.3% reading	0-99.9%
Losses	0.1%	±1.0% reading	0-99.9%
Efficiency	0.1%	±1.0% reading	0-99.9%
Excess Air	0.1%	±0.2%	0-2885.0%
Temp (Nett)	1.0°C/F	±2°C ±0.3% reading	0-1200°C
CO/CO ₂ Ratio	0.0001	±0.0001	0-0.9999
Poison Index	0.01%	±0.01	0-99.99

The Instrument should have pre-programmed fuels :- Natural Gas, Town Gas, Gascon, Light Oil, Heavy Oil, Propane, Butane, Anthracite, Coke, Coal,

The Instrument may be supplied with a flue gas probe, protective rubber sleeve, battery charger, operators manual and carry case. The battery charger should work on 220 V AC mains with a battery life of minimum 6 hours. The instrument should have sufficient memory to store up to 100 readings and can transfer data to a printer or PC.

The supplier should submit the list of parties which has purchased digital flue gas analyser **as well as calibration certificate.**

ANNEXURE – B

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स्वायत्त संस्थान, खान मंत्रालय, वाडी नागपुर

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Standard Terms & Conditions of the Tender- 2017

1. **Technical bid and Price bid should be submitted through electronically using JNARDDC's e-Tendering Portal www.tenderwizard.com/JNARDDC.** Manual submission is not allowed.
2. **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 No. (3) I/T Returns (4) Account No. of Firm.
3. Basic Price of the tendered item **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. However, the exchange rate at the time of opening Letter of credit / TT will be applicable for final procurement in case of foreign supply.
4. The **Refundable Earnest Money Deposit (EMD)** and **non-refundable Tender processing fees** should be submitted through E-payment, i.e., Debit Card/Credit Card/Net Banking or NEFT/RTGS mode only. Bids without EMD and tender processing fees will be summarily rejected. Tender processing fees to be paid at the time of requesting the tender document only. However, EMD is exempted for firms registered with Central Purchase Organization, National Small Industries Corporation (NSIC) or with Ministry of Mines. But the registration certificate should clearly include the name of the item 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. However, Indian agents / representative quoting on behalf of principals shall pay. ***One EMD will be accepted against one equipment only, i.e. only one model will be considered against one EMD. (Each model has to be quoted in separate envelope with separate EMD). Ref. page-1 for EMD / Tender Fees.***
5. 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 **sixty days** from the actual date of final commissioning of the equipment i.e. after receipt of the goods in good condition and satisfactory installation and commissioning at purchaser's site and certification of Indenter / Authorized representative of the Centre and completion of all contractual obligations of the supplier including warranty obligations, if any.
6. Parties submitting bids should have proper **authorization letter** from the Original Equipment Manufacturer (OEM) and the same should be attached alongwith the bid **failing which bid will be rejected and EMD fortified.**
7. Payment shall be released within 30 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, 80% payment will be made by irrecoverable Letter of Credit and balance 20% will be paid after complete supply, installation and commissioning and completion of all contractual obligations by the supplier including warranty obligations etc, if any. **For JNARDDC presently Excise duty is NIL & Custom duty is concessional ~ 5.15% as applicable.**
8. Deviation table should be enclosed to outline the deviation (if any) from the tendered technical specification in comparison to the quoted instrument / item. **Simply enclosing our spec sheet without providing any details may lead to rejection of the bid.**

9. **Testimonials – Minimum five (for the tendered equipment / materials / goods) / References.**
10. **Validity of the Tender should be minimum upto to three months. Bid should include quote for supply of spares / services for one additional year after warranty.**
11. Warranty terms and delivery period should be clearly mentioned. Item should be **delivered upto JNARDDC, Nagpur. LD clause is @ 0.5% of PO value for each week of delay in supply.**
12. **Product leaflet of the item should be enclosed.** Cost should be **CIP upto JNARDDC, Nagpur.**
13. 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 AAO, JNARDDC.**



आर श्रीनिवासन
(सचिव एवं प्रशासनिक अधिकारी)