



**Jawaharlal Nehru Aluminium Research
Development & Design Centre**
Autonomous Body Under Ministry of Mines, Government of India



NABL
Accredited
Lab

Reference no 54/JNARDDC/S&P/2021-22/C-42 dated 09 Feb 2022

**Expression of Interest
(EOI)
For**

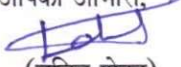
**Design, manufacture, Supply and installation of Anode current distribution
system for aluminium electrolysis cell**

FOR

**Jawaharlal Nehru Aluminium Research Development and Design Centre
Autonomous Body under Ministry of Mines Amravati Road, Wadi Nagpur-
440023**

**Tel No.:07104-220017
Tel No. : 07104-220942**

February 2022

आपका आभारी,

(ललित मोहन)

सचिव खरीद एवं भंडार

**Jawaharlal Nehru Aluminium Research Development and Design Centre
Autonomous Body, Under Ministry of Mines Government of India
Amravati Road Nagpur-440023**

INVITATION FOR EXPRESSION OF INTEREST

Jawaharlal Nehru Aluminium Research Development and Design Centre invites sealed Expression of Interest (EOI) from Indian agencies for the **Design, manufacture, Supply and installation of Anode current distribution system for aluminium electrolysis cell.**

The EOI Document containing the details of pre-qualification criteria, submission requirement, brief objective & scope of work and evaluation criteria etc. can be downloaded from the website www.jnarddc.gov.in OR e - m a i l purchasejnarddcnagpur@gmail.com

Further details, if any, may be obtained from Head (Admin), Jawaharlal Nehru Aluminium Research Development and Design Centre , Amravati Road, Wadi, Nagpur-440023 (India) during working hours (10: 00 am – 5:30 pm).

Last date for submission of EOI is **21 Feb 2022 up to 1500 hrs.** Sealed envelope marked to the captioned address, containing may be submitted mentioning “EOI for Design, manufacture, Supply and installation of Anode current distribution system for aluminium electrolysis cell” on the top cover:

“The Director”
JNARDDC Amravati Road, Wadi,
Nagpur-440023(India)”

Applicants meeting the pre-qualification criteria may be invited for presentation / proposal/pre-bid meeting on **25th Feb 2022 (1100Hrs)** before the selection committee. Subsequently after finalization of technical specifications **tender** documents will be released to the qualified firm. During 2nd stage of tender JNARDDC reserve the rights to accept the proposal who have not participated in EoI.

Head (Administration)
JNARDDC, Amravati Road,
Wadi, Nagpur-440023(India)”

Note: JNARDDC reserves the right to cancel this request for EOI or invite afresh with or without amendments, without liability or any obligation for such request for EOI and without assigning any reason. Information provided at this stage is indicative and JNARDDC reserves the right to amend/add further details in the EOI.

1. OBJECTIVE

Design, manufacture, Supply and installation of Anode current distribution system for aluminium electrolysis cell

2. VENUE & DEADLINE FOR SUBMISSION OF PROPOSAL

The proposal in its complete form in all respects as specified in the EOI, must be submitted in sealed envelope to JNARDDC, Nagpur on or before **21 Feb 2022 up to 1500 hrs** at the address specified herein earlier.

3. VALIDITY OF OFFER

The offer for EOI as per this document shall be valid for a period of **six (6) months** initially which may be extended further if required by JNARDDC.

4. TERMS OF REFERENCE

The basic design criteria enclosed in **Annexure-A**.

5. INSTRUCTIONS TO THE SUPPLIER

The Expression of Interest is to be submitted in the manner prescribed below:-

All information as detailed below is to be submitted, **in hard copy** in a sealed envelope

- Applicant's Expression of Interest as per Format-1.
- Organizational Contact Details as per Format-2.
- Experience of the organization as per Format-3.
- Financial strength of the company as per Format-4.

EOI documents have been hosted on the website www.jnarddc.gov.in may be downloaded from there OR [can be obtained through e-mail purchasejnarddcnagpur@gmail.com](mailto:purchasejnarddcnagpur@gmail.com)

The bidders are expected to examine all instructions, forms, terms and other details in the EOI document carefully. Failure to furnish complete information as mentioned in the EOI document or submission of a proposal not substantially responsive to the EOI Documents in every respect will be at the Bidder's risk and may be summarily rejected.

6. PRE – QUALIFICATION CRITERIA

Following pre - qualifying criteria is suggested to be considered whilst selecting the firm.

- i. Bidder should have track record of manufacture/supply of similar type of system
- ii. At least **10 Years** of existence in the market/Research.
- iii. **Size and Financial solvency:** Bidder should have an average annual turnover of Rs. 50 lakhs in last 5 financial years.
- iv. **Experience: Bidders** should have completed at least 05 number of same nature of works (Design & Research oriented).
- v. **Key personnel: Bidder** should have experts in this on its payroll. (Self declaration from head of bidding entity).
- vi. **Acceptance criteria:** Successful demonstration/presentation of relevant research oriented work
- vii. Branch in Nagpur with required facilities for development of the system. If any bidder did not have branch /office while submitting the EoI have to establish after awarding the work order.
- viii. **Bidder should be able to provide after sale services/AMC**

The EOI shall be evaluated strictly as per the pre - qualifying criteria attached. The shortlisted agency meeting the above eligibility criteria would be **called for a pre-bid meeting/presentation on 25th Feb 2022 (1100Hrs)** before the selection committee. After finalization of technical specifications, **tender** will be released and also published on Govt portal.

7. RESPONSE

Bidders must ensure that their Bid response is submitted as per the formats attached with this document along with the supporting documents. Special comments on the objectives and scope of the service projected in the enquiry may also be submitted along with the offer.

8. CONDITION UNDER WHICH EOI IS ISSUED

(i) The EOI is not an offer and is issued with no commitment. JNARDDC reserves the right to withdraw EOI and or vary any part thereof at any stage. JNARDDC further reserves the right to disqualify any bidder, should it be so necessary at any stage.

(ii) JNARDDC, NAGPUR shall not be responsible for any expense incurred by the applicants in connection with the preparation and delivery of their applications or any other expenses incurred as regards the subject EoI.

(iii) Mere submission of the proposal/ application does not entitle automatic qualification.

(iv) This EoI issued by JNARDDC, Nagpur is intended to finalize the bid documents along with terms & conditions and for shortlisting potential firms interested in above said work . Director, JNARDDC's decision with regard to the short-listing through this EoI shall be final and binding. JNARDDC, NAGPUR reserves the right to reject any or all the proposals without any liability.

(v) JNARDDC, Nagpur reserves the right to withdraw this EoI without any liability for such action if it determines that such action is in the best interest of the organization.

(vi) The details given above are for enabling the proposer(s) to submit their response against the EoI. Timing and sequence of events resulting from this EoI shall ultimately be determined by JNARDDC, NAGPUR.

(vii) Neither the proposer(s) nor any representative shall have any claim whatsoever against JNARDDC, NAGPUR or any of their respective officials, arising out of or relating to this EoI or the procedures thereof.

(viii) JNARDDC, NAGPUR may, in exceptional circumstances and at its discretion, extend the deadline for submission of EoI proposals by issuing an addendum to be made available on JNARDDC, NAGPUR's website, in which case all rights and obligations of JNARDDC, NAGPUR and the bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

(ix) JNARDDC, NAGPUR reserves the right to complete the evaluation based on the details furnished in the bid without seeking any additional information/ documents.

9. Submission of EoI proposal/ Presentation/

(i) Interested parties are to submit send their proposal with all documents in sealed envelope in JNARDDC. The envelopes should be super-scribed with the reference number and title of EoI, due date. All pages should be duly rubber stamped and signed by the authorized person of the the firm.

(ii) The parties are requested to give a brief presentation on **25 Feb 2022 at 1100Hrs** in JNARDDC.

(iii) Subsequent to the presentation on above dates by interested parties, JNARDDC shall reframe the final bidding document with suitable modifications (if any) and the same shall be floated through tender who are found qualified in EoI. During 2nd stages of tender process JNARDDC reserve to rights to **float open tender** and accept or rejects the bids of those firm who have not participated in EoI.

(iv) In open tender techno-commercial bids will be invited. Final Work order will be awarded to technically qualified bidder with L-1 commercial offer.

Contact Person details

Mr Lalit Mohan

Sr Purchase Cum Store Asst

JNARDDC,

Opp Wadi Police Station, Wadi

Nagpur - 440023

E-mail: purchasejnarddcnagpur@gmail.com : 07104-220387

10. LAST DATE OF SUBMISSION OF EOI

The last date of submission of EOI is **21 Feb 2022 up to 1500 hrs**

EOI Opening Date & Time is **22 Feb 2022 (1500 hrs)**

FORMATS FOR SUBMISSION:

FORMAT – 1

APPLICANT'S EXPRESSION OF INTEREST

To,

The Director,
JNARDDC
Amravati Road, Wadi,
Nagpur-440023

Sub: Submission of Expression of Interest for **Design, manufacture, Supply and installation of Anode current distribution system for aluminium electrolysis cell**

Dear

In response to the Invitation for Expressions of Interest (EOI) published in newspapers on dated 10 Feb 2022 for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we attach set of the following documents.

1. Organizational Details (Format-2)
2. Experience in related fields (Format-3)
3. Financial strength of the organization (Format-4)

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp.....

Date:

Encl.: As above.

Note: This is to be furnished on the letter head of the organization.

FORMAT – 2

S. No	Organizational Contact Details	
1.	Name of Organization	
2.	Main areas of business	
3.	Type of Organization Firm/ Company/ partnership	
4.	Address of registered office with telephone no. & fax	
6.	Contact Person with telephone no. & e-mail ID	
7.	Address of any Branch in Nagpur with required facilities for development of the system	

Signature of the applicant

Full name of the applicant

Stamp & Date

FORMAT – 3

Experience in Related Fields				
Overview of the past experience of the Organization in all aspects				
S. No	Items	Number of Assignments during last 10 years	Order Value of each assignment (Enclose copy of each order)	Mention the name of Client/Organization
1	Experience of assignments of similar nature			

Signature of the applicant

Full name of applicant

Stamp & Date

FORMAT – 4

Financial Strength of the Organization		
S. No.	Financial Year	Overall annual turnover
1	2016-17	
2	2017-18	
3	2018-19	
4	2019-20	
5	2020-21	

Note: Please enclose auditor's certificate in support of your claim.

Signature of the applicant
Full name of applicant
Stamp & Date

Specifications for Anode Data Acquisition Unit

1. No of channels: 1
2. Communication Interface: Short Range Radio
3. Power source: Rechargeable Battery operable up to 75 Degree Celcius
4. Energy Harvesting Source: Field Generated by Anode Current.
The Energy harvested to be used to charge the above battery
5. Operating Temperature: 0 – 70 Degree Celsius
6. Ambient Temperature Sensing: Required
7. Presence of magnetic field: 0.25 Tesla
8. Measurement parameter: Anode Current
9. Measurement range: 20 Kilo Amperes DC
10. Resolution required: 10 Amps

Specifications for Master DAQ

1. Communication Interface: Short Range Radio for communication with Anode DAQ unit
WiFi and Ethernet for network connectivity.
2. Power Source: Rechargeable battery
3. Operating Temperature: 0 – 55 Degree Celcius
4. Presence of Magnetic Field: 0.25 Tesla
5. User Interface: LCD Display & Keypad
6. Memory: 16MB
7. Real Time Clock: Required
8. Ambient Temperature sensing: Required

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