



NATIONAL ALUMINIUM COMPANY LIMITED (NALCO)

INVITES

EXPRESSION OF INTEREST (EOI)

**FOR SELECTION OF CONSULTANT TO CARRY OUT THE PRE
COMMISSIONING AND COMMISSIONING ACTIVITIES OF 05th STREAM
EXPANSION AT ALUMINA REFINERY, DAMANJODI.**

**EOI Document No: NALCO/CORP/P&T/CONT/2026/006 Dated:
11.06.2026**

EOI Submission by Date: 25.06.2026

National Aluminium Company Ltd.

NALCO Bhavan, P/1 Nayapalli,
Bhubaneswar, Odisha -751013, India

1. Background

Nalco has commissioned new streams (3 & 4) in Alumina Refinery in the year 2001 and 2011 apart from initial two streams commissioned in the year 1987-1988. The commissioning guidance for stream-1 & 2 was obtained from the technology supplier M/s Aluminium Pechiney as NALCO Employees were not conversant with operation and commissioning of the system. For stream-3 & 4, the commissioning was done in house through experienced process Executives who took lead role along with other employees of NALCO.

However, at present all those executives have superannuated and separated from the company and there is no in-house expertise available to take up this activity. The scope of Technology supplier M/s RTAL is limited and they expressed to give online support only for the digestion unit being new technology area.

The Project of 5th stream Alumina Refinery has got delayed inordinately by about five years due to various reasons and the Ministry of Mines has been following up strongly to commission the stream at the earliest. Now, following difficulties are foreseen to execute the activities in house through the existing manpower.

- i. Due to mass retirement of experienced high-level process executives in last five years, shortage of technology acumen is felt in operation department which will take some time to get filled with adequate working knowledge.
- ii. Commissioning is a round the clock activity stretching up to six months which requires experts who are conversant with NALCO system of equipment and manpower for better coordination.
- iii. In view of the above reasons, it is essential to take up this activity by a group of experienced retired person with experience of Alumina Refinery (NALCO/HINDALCO), who took lead role in commissioning in earlier times.
- iv. It is learnt that, the retired executives having such expertise have formed consultancy organisations and willing to take up the assignment of commissioning consultant through their firms.

2. Requirement of Present Proposal.

Accordingly, it is proposed to go for an **EOI** and this EOI seeks technical & process expertise consultancy having experience in Alumina Refinery, those took lead role in commissioning in earlier times.

The **objective of this EOI** is to identify competent consultants with expertise in Aluminium Refinery Commissioning. The selected parties will subsequently be invited to participate in a detailed Notice Inviting Tender (NIT) process for finalizing the working mode.

3. Pre-Qualification Criteria for selection

Since the performance of the contract entirely depends on expertise and conversance of experts with the system and equipment of NALCO, the bidder has to comply all the following requirements strictly.

The total duration of the instant assignment shall be of Four to Six Months from the date of placement of LOA or 01.07.2026, whichever is earlier. Order shall be place initial 04 Months and shall be extended for next 02 Months.

For above 04-06-month period, the bidder has to deploy 05 persons at NALCO refinery site as given below. The upper age limit of all the persons posted should be 70 years as on 01.07.2026 (The start of execution date. The upper age limit is kept same as per retired employees kept as consultant).

- i. Lead Process Expert:** Must be Graduate Chemical Engineer with minimum 25 years of experience in Alumina Refinery of NALCO and possessing experience in commissioning of Bayer process of Alumina Refinery. He must have retired at the level of CGM or higher grade from Nalco.
- ii. 2nd Process Expert:** Must be Graduate Chemical Engineer with minimum 20 years of experience in Alumina Refinery with experience in commissioning of Bayer process of Alumina Refinery.
- iii. Mechanical experts (2nos):** Must be Graduate Mechanical Engineer with minimum 25 years of experience in Alumina Refinery. Both of them must have retired at the level of CGM or higher grade from Nalco or unit head of other Alumina Refineries with minimum unit capacity of 1.0 million tons of Alumina per annum.

- iv. **Electrical Expert (01 No):** Must be a Graduate Electrical Engineer with minimum 25years experience in Alumina Refinery. This expert must have retired at CGM or higher grade from Nalco or as Unit head of other Alumina Refineries with minimum unit capacity of 1.0 million tons of Alumina per annum.

The details of the experts, along with their experience, shall be provided in the following format:

Serial No	Name of Expert and his Proposed Designation in the instant proposal.	Name of Industry Where Expert has worked and Retired in which Grade	Nature of Plant/Operation	Duration

Towards documentary evidence, the bidder has to submit the self-certified copy of CV along other supportive documents countersigned by authorized representative of the bidder of all the above persons specifying the duration of experience in Alumina Refinery and commissioning experience if any mentioning retiring grade. For persons retiring from other than NALCO, documentary proof has to be submitted with respect to retiring grade and years of experience in Alumina Refinery.

The evaluation of bid shall be carried out as per above documents. Bid received with shortfall documents, is likely to be rejected. NALCO may verify the credentials of experts submitted by the bidders and may take appropriate action to accept or reject any bid. The decision of NALCO is final and binding on the bidders.

During course of execution of the contract, due to compelling circumstances it may become inevitable to make some change in the composition of the team as stated above. In such situation, maximum one replacement in the serial no-2,3 and 4 together shall be allowed by NALCO minimum after one month of onset of the contract. The replacing expert must satisfy the qualifying criteria of the exiting position. The Contractor has to get prior approval from NALCO to make such change.

4. Obligation of NALCO: -

Boarding, Lodging & Local Transport: - To be Borne by NALCO

5. Scope of Work:

Round the clock guidance to NALCO's Commissioning manpower comprising NALCO employees, contractual manpower and also the contract task force for commissioning for following activities.

The **scope of a Commissioning Consultant** generally includes the following activities:

a. Preparation of Commissioning Plan

- Develop comprehensive commissioning strategy and procedures.
- Preparation of:
 - Commissioning schedule
 - Inspection & test protocols
 - Functional performance test procedures
 - Reporting formats

b. Testing & Pre-Commissioning Activities

- Ensure completion of:
 - Equipment inspections
 - Pressure testing
 - Flushing and cleaning
 - Calibration
 - Insulation resistance tests
 - Loop checking
- Verify readiness for system start-up.

c. Supervision of following Commissioning Activities

- Checking of Process, Mechanical, Electrical and Instrumentation readiness.

- Live testing of all the equipments and instruments
- Flushing of all vessels, tanks, piping and process equipments
- Cold water runs of the system
- Hot water runs of the system
- Operation of Bayer circuit such as Bauxite reclaiming, crushing, grinding, pre-desilication, digestion, settling, washing, security filtration, hydrate filtration, precipitation, evaporation and calcination till filling of alumina silos.
Commissioning of utilities like air, cooling water, fuel oil, caustic soda system is also included in this scope.
- Safety Protocol of Commissioning

d. Documentation & Reporting

- Maintain commissioning records and logs.
- Review and certify:
 - Test reports
 - O&M manuals
 - As-built drawings
 - Warranty documents
 - Strat up and Shut Down Procedure.
- Preparation of:
 - Deficiency reports (Punch points) and Correction Measures.
 - Final commissioning report
 - SOP and SMP for Equipment wise and Unit wise.

e. Apart from above, commissioning consultant shall carry out

- Preparation of Daily and Weekly Report
- Interaction with NALCO team
- Expediting the commissioning activities and commencement of production.
- The contract team will stabilize the system up to 80% rated production capacity per day with desired Quality parameter.

Steam and Power Plant is excluded from this scope.

6. Submission Requirements & Format

The EOI submission must include the following: -

- Language: All submissions shall be in English
- Authorization: All pages of the submission must be signed and stamped by the authorized signatory of the applicant.
- Completeness: Submissions with incomplete information or without required documentary evidence are liable to be summarily rejected.
- Confidentiality: All information submitted will be treated as confidential and will be used solely for the purpose of the EOI.

7. Timeline for submission

All submissions must be received by date 25.06. 2026. Late submissions will not be considered.

8. Terms & Conditions

8.1 Confidentiality & NDA

NALCO reserves the right to sign a mutual Non-Disclosure Agreement (NDA) with shortlisted respondents prior to sharing site-specific data, DPR details or to facilitate site visits and deeper technical discussions.

8.2 Clarifications

Any clarifications may be requested in writing to Shri Bichhanda Charan Dash, Chief General Manager (Project) at the Email address: bichhanda.dash@nalcoindia.co.in and Mobile: +91- 9437160098 by **18.06.2026**. NALCO may issue clarifications that will be shared with all prospective respondents.

8.3 Disclaimer on no Commitment

This EOI is for information gathering only. It does not constitute a commitment by NALCO to issue an NIT. NALCO reserves the right to accept/reject any or all submissions without assigning reasons.

9. General Conditions

- i. No EMD is required to be submitted by the Party.
- ii. NALCO shall not be liable for any mistake or error by the Party in respect of the submissions.
- iii. NALCO will not be responsible for any related loss to the parties due to delay/cancellation etc. of this EOI process.
- iv. The Party shall bear all costs associated with the preparation or delivery of its

EOI.

- v. NALCO reserves its right to call for original of the supporting documents for verification if so deemed fit and also cross-check for any details as furnished by the Party from their previous clients etc. The Party shall have no objection in this regard.
- vi. NALCO will examine the EOIs for its completeness, whether the documents have been signed, complete in all respect and the details furnished are generally in order. NALCO if desires may seek feedback from other customer to authenticate the submissions and performance feedback.
- vii. The parties may note that mere submission of EOI shall not entitle automatic qualification.
- viii. NALCO reserves the right to accept or reject any EOI and to annul the invitation of EOI process and reject all EOIs at any time without thereby incurring any liability to the affected Party/Parties(s) or any obligation to inform the affected Party/Parties(s) of the grounds for the NALCO's action.
- ix. This EOI is not a commercial offer and is issued with no commitment. NALCO reserves the right to withdraw the EOI in the best interest of the organization and change or vary any part thereof at any stage. NALCO also reserves the right to disqualify any bidder, should it be so necessary at any stage.
- x. Timing and sequence of events resulting from this EOI shall ultimately be determined by NALCO
- xi. No oral conversations or agreements with any official, or employee of NALCO shall affect or modify any terms of this EOI and any alleged oral agreement or arrangement made by a bidder with any department, official or employee of NALCO shall be superseded by the definitive agreement that results from this EOI process. Oral communications by NALCO to bidders shall not be considered binding on NALCO, nor shall any written materials provided by any person other than authorized person from NALCO.
- xii. Neither the bidder nor any of the bidder's representatives shall have any claims whatsoever against NALCO or any of their respective officials or employees arising out of, or relating to this EOI or these procedures (other than those arising under a definitive service agreement with the bidder in accordance with the terms thereof).
- xiii. Bidders may seek any clarification from NALCO before submitting their proposal

in writing/ through email only, from the authorized person.

- xiv. By submitting a proposal, each bidder shall be deemed to acknowledge that it has fully understood the requirements of NALCO and informed itself as to all existing conditions and limitations.

10. Instruction to bidders

- i. Bidders are expected to examine carefully the contents of all the documents provided. Failure to comply with the requirements of EOI will be at the Bidder's own risk.
- ii. It would be deemed that prior to the submission of the proposal, the bidders:
 - Made a complete and careful examination of requirements and other information set forth in this EOI request document.
 - Received all such relevant information as it has requested from NALCO.
- iii. NALCO shall not be liable for any mistake or error by the applicant in respect of the above.
- iv. The bidder shall not disclose confidential information to any third party without prior written approval of NALCO.
- v. The applicant shall submit an undertaking that there is no pending court cases or otherwise on them by the Govt. or Govt. Depts. / Statutory authorities' which might infringe upon their rights to participate in such empanelment with a CPSE.
- vi. NALCO reserves the rights to make use of available data for evaluation of the application that have been submitted against this request.
- vii. The applicants may note that mere submission of application shall not entitle automatic qualification of the EOI application.
- viii. Telefax/ E-mail/ CD may not be accepted unless accompanied by formal signed documents. NALCO takes no responsibility for delay, loss or non-receipt of document sent by Post/Courier.
- ix. NALCO reserves the right to accept or reject any application and to annul the EOI process and reject all applications at any time without thereby incurring any liability to the affected bidder(s) or any obligation to inform the affected bidder(s) of the grounds for the NALCO's action.
- x. The application for EOI complete in all respect should be sent to the office of the Contact Person: Shri Nihar Ranjan Mohanty, GM(Design),T&C
NALCO Bhavan, P/1, Nayapalli,
Bhubaneswar, Odisha -751013, India
Email: nihar3.mohanty@nalcoindia.co.in
Mobile: +91- 9437567920

On or before 25.06.2026, 5:00 PM IST.

- xi. Any bidder requiring any clarification on the terms and conditions for this EOI request document may notify NALCO in writing or e-mail. The applicants must send their queries at least 7 days prior to the last date for submission of application only in the address mentioned at clause (x). Correspondence sent to any other person/address may not be accepted.

11. Fee for the Assignment: This shall be a LUMP SUM Price Contract