

Date: 15.07.2018

Expression of Interest

Vedanta Limited a subsidiary of Vedanta Resources plc, is one of the world's leading diversified natural resources company. With business operation in India, South Africa, Australia, Ireland, Namibia, Liberia and Sri Lanka; Vedanta is a leading producer of Oil & Gas, Zinc, Lead, Silver, Copper, Iron Ore, Aluminium and Commercial Power.

VEDANTA believes in sustainable development in harmony with nature and accordingly, is committed to the protecting its surrounding environment and making a contribution to the development of community. This commitment encompasses efficient use of natural resources, protection of assets and provision of a safe workplace with support systems for zero harm to the environment

Vedanta Aluminium & Power, a division of Vedanta Limited and leading producer of Alumina, Aluminium and Commercial Power in India.

Lanjigarh Alumina plant site location

Lanjigarh, in the district of Kalahandi, is the site for our Alumina Refinery. Lanjigarh is situated at the southern part of Orissa, 450 kms of Bhubaneswar the state capital and 300 kms from Vishakhapatnam.

Vedanta has a Greenfield 2.0 mtpa alumina refinery plant and an associated 90 MW captive power plant at Lanjigarh, Orissa. At Lanjigarh, plans have been made to enhance capacity of the alumina refinery from 2 MTPA to 6 MTPA. In addition to this, total captive power generation capacity is also expected to be increased to 300 MW in near future.

The details of the Projects at Lanjigarh are as follows.

1. 2 mtpa Alumina Refinery.
2. 3x30 MW coal fired cogeneration power plant.
3. Railway linkage of about 16 km length from the plant to Ambadola Railway Station.
4. Port infrastructure at Kakinada for export of all alumina and at Vizag for import of caustic soda.
5. 66 km long water pipe line from Tel River near Kesinga.
6. A state-of-the-art modern township and hospital.

Sample Analysis of Bauxite Residue generated

Sl.No.	Parameter	Specification (%)
1	Moisture	18 to 25
2	Loss On Ignition	8 to 11
3	Al ₂ O ₃	18 to 23
4	Fe ₂ O ₃	35 to 45
5	SiO ₂	6 to 10
6	TiO ₂	6 to 10
7	Na ₂ O	4 to 6
8	CaO	1 to 5

Purpose of Expression of Interest

- The objective of this project would be to extract value from bauxite Residue.
- Competent parties having technology which are commercially proven are invited to participate in the tender.
- Looking forward for technologies that can recover Titanium Carbide, Ferrous, Alumina etc from bauxite Residue.
- Business Partners with sound financial background & interested to put up plant & operate are preferred

Shortlisting of the participants would be done based on the following criteria and the parties would be contacted for subsequent RFPs and RFQs.

Technical Qualification criteria

The Technical Qualification would be a qualitative evaluation of the following dimensions

1. Processing cost.
2. Scalability, demonstrability, knowledge bank and Capex requirement for large scale production
3. Experience of commercial / pilot projects
4. Quality of the overall proposal and methodology
5. Financial strength of the party

A minimum 25% of overall rating on any of the dimensions would be needed. Applications with unacceptable levels of risks, lack of scale, or lack of clarity/details/ quality of information provided may be rejected.

Interested and Competent Parties can submit their expression of interest giving details of their Organization, offices, major clientele, performance certificates and other necessary data etc., within 2 weeks from the date of this advertisement by submitting the following documents through e-mail to m.tapan@vedanta.co.in and Anu.Abraham@vedanta.co.in

1. Registration, Legal Details of the Organization
2. Brief Description of Business, Organization's History Etc.
3. Experience in Implementing similar kind of projects