

## **Press Release**



### **Vedanta & NIT-Rourkela sign MoU for waste utilization**

- MoU signed between Vedanta Aluminium Limited and NIT, Rourkela for Technology Development to recover iron oxide from waste generated in Alumina Industry
- Research outcome will facilitate Vedanta's vision of achieving Zero Waste in its refinery.

Vedanta Aluminium Limited, Lanjigarh in its efforts to make Alumina Refinery as Zero waste plant, signed a Memorandum of Understanding with National Institute of Technology, Rourkela (NITR) to develop technologies for recovering iron oxide from waste generated in Alumina Industry. The MoU was signed by Dr. Mukesh Kumar, Chief Operating Officer of Vedanta Aluminium Limited and Prof. Sunil Kumar Sarangi, Director, National Institute of Technology, on August 12, 2010 at Rourkela.

“The development of technology for separation of Iron oxide from Red mud will bring revolution in alumina industry as utilization of this may not require any big red mud ponds and thus help in minimizing or avoiding environmental risks” said Dr Mukesh Kumar. The MoU also includes exchange of expertise between two organizations for skill upgradation as well as future research through M.Tech/PhD program. This will provide an opportunity for bridging the gap between institution and industry and may be a model case for others, besides linking research directly with industry.

Speaking on the occasion, Prof. Sunil Kumar Sarangi, Director said that NIT Rourkela has already made breakthrough achievement by conducting successful laboratory scale testing and signing of this MoU will help in scaling up and commercial utilization of the Indigenous technology. On successful implementation, such technologies can be made available for other alumina refineries across the globe.

Vedanta Aluminium Limited will provide financial and technical support towards conducting the R&D projects and has presented a Cheque of Rs. 21.2 lakhs as an initial deposit for undertaking research. Vedanta Aluminium has been continuously working for environmental development at plant sites , such activities are always remain the top priority of the company to become most environment friendly organization in the country . It is noted that VAL refinery at Lajigarh has recently conferred *with Green Business Leadership Award"* in Mining and Metal Industry in the environment segment by *The Financial Express – Emergent Venture India*.

In any mineral based industry, disposal of waste is always an area of concern. They incur huge cost of processing, generate no revenue and result in unsold material which becomes a concern for the environment and community. At present, Vedanta Refinery at Lanjigarh has already implemented state of art technology viz high concentration slurry disposal system which requires almost one third of land than the conventional system.

**About the Company:**

Vedanta Aluminium Limited (VAL) has set up a Greenfield Alumina Refinery in Orissa with a capacity of 1 Million tons per annum. It is also setting up a 0.5 MTPA Aluminum Smelter, 1215 MW Captive Power Plant. The Group Company Sterlite Energy Limited is also setting up a 2400 MW Independent Power Plants at Jharsuguda. VAL is one of the world's premier alumina refining complex in terms of its technology, human resources and high quality infrastructure. VAL has built a high caliber team who are passionately contributing to the growth and efficiency of the organization.

For Further Query Contact  
Mr Bibek Chattopadhyay  
Bibek.c@vedanta.co.in

Please visit our website at  
[www.vedantaaluminium.com](http://www.vedantaaluminium.com)