

## SUPPLY & SERVICES PARTNER(S) FOR SMELTER AND POWER OPERATIONS

### INVITING EXPRESSION OF INTEREST

Vedanta Limited, a subsidiary of Vedanta Resources Limited, is the world's leading Metals and Oil & Gas company with interests in aluminium, zinc, lead, silver, copper, iron, ore, steel, power and oil & gas. Vedanta Aluminium is India's largest aluminium producer, having an installed smelting capacity of 2.3 million tonnes per annum (MTPA). The company operates a state-of-the-art aluminium smelter having an installed capacity of 1.8 MTPA and an integrated 3615 MW thermal power generation facility, at Jharsuguda, in Odisha.

Vedanta invites Expression of Interest from competent Indian and international business partners for supply and services contract:

#### SUPPLY:

- Potline Re-lining Items, • Carbon Cathode Blocks, Cold Ramming Paste, • Silicon Carbide Nitride Blocks, • Collector Bar (Material Alloy Steel, Low Electrical Resistivity Grade), • High & Low Strength Insulation Bricks, • Dry Impervious Material, • Narrow Seam Paste, • Light Pouring Refractory, • Refractory Mortar, • Refractory Bricks, • Silicon Carbide (SiC) Paste, • Calcium Silicate Insulation Board, • Fire Clay Refractory Flue Wall Bricks, • All Castables and Mortar, • Dense Castable, • 60% Al<sub>2</sub>O<sub>3</sub>, • High Strength Insulating Castable, • Slide & Bottom Lining Castable Mix Refractory, • Fused Alumina, • Green Salla Bamboo, • Boiler & Turbine Spares, • Fabric & Steel Cord Conveyor Belt, • Filter Bags & Filtration Items, • Structural Steel & Other Steel Items, • Fabricated & Casting Items, • Grinding Assembly: Hyper & H-Cr, • Centrifugal & Slurry Pumps and Spares, • Gear Box & Spares, • Hi chrome Line & PU Lines, • Agitators & Clarifier, • Specialized Pipe In Pipe for Conveying Systems, • Hydraulic Motor & Bucket Wheel Assembly for Stacker Reclaimer, • IBR & Non IBR Globe Valves, • Check Valves and Knife Gate Valves, • ERW & Seamless Pipes, • Insulation & Ceramic Item, • Industrial & Lab Chemicals, • Water Treatment Chemicals, • Bulk Chemicals and Resins, • Colloidal Graphite Solution, • Activated Carbon, • Aluminium Sheet, • Plate & Pipes, Roof Sheet (Aluminium & GI), • Magnesium Ingot, • Silicon 553, • Silicon 2202, • Ferro Alloys, • Graphite Powder, • Holocote & Promag, • Titanium: Ti-80% & Strontium Ingot: • Sr-10%, Copper Hardener, • Chromium Tablets (80% Concentration), • Manganese Tablet (80% Concentration), • Iron Tablets (80% Concentration), • Boron Waffles & Tibal Rod, • PET Strap / Cord Strap, • Pine Wood / HDPE Runner, • Ceramic Foam Filters For Hot Aluminium Metal Filtering, • Jumbo Bags, • Propane 95% (Min) & Butane 5% (Max), • Steel Shots S460, • Round Bar Diameter 140 MM for Steel Stud, • Mild Steel, • Cables, • Air Preheater Baskets & Spares, • HT Motor & LT Motors, • IBR Certified Economiser Coil, • Aluminium Bus Bar, • LED Lights & Fixture, • Industrial Batteries, • Scraper Conveyor Spares, • Chain Links, • IBR Certified Boiler Tubes, • Lubrication Systems & Spares, • Sealing Products & Pipe Fittings, • Cooling Tower Spares & CT Fills, • Agitators & Clarifier, • Ash Handling Plant (AHP) & ESP Spares, • Industrial Tyres / Solid Tyres, • Safety PPE, • Aluminium Molten Splash Protection Clothes, • Process Instruments, • Transformers & Battery, • Sodium Silico Fluoride, • Various Type of Mould for Aluminium Products, • Billet, • Slab Cutting & Casting Machine Spares, • Online Ultrasonic Testing Machine, • Melting Furnace & Furnace Cylinders, Gear motors & spares, • Heaters and other furnace spares, • Material Handling & Dozer Spares, • Tippler Spares, • Railway Loco spares, Pig Iron, • Coating compounds, Oils & Lubricants, • Fabrication consumables (MOC-55, MS), • Pumps, • Ash Line Pipes, • Gratings, • Cast Basalt Pipes, • Safety Uniform for Vedanta Aluminium, Tyres (Pneumatic & Solid), • DRG pipes and PPGL Sheets, • bulk chemicals and analysis of water treatment, • Valve Parts, • Spare parts for Coal Mill, • Procurement of Girth Gear, • Medical equipment, • Central Kitchen equipment, • Solenoid valves & spares, • AC/refrigeration spares, • Compressor & Spares, • coupling & spares, • Hoses, • Paint, • Gases, • Filters, • IT spares, • Pot controller spares, • Weighbridge spares, • N & K type thermocouples, • Vehicle spares and PTM spares, • Food items, • Soluble glass, • Copper insert Collector Bar, • Vanadium-ALV10%, • Crane & Lift spares, • Supply of Railway Wagons for movement of raw materials, • Pig Iron(C 3.5-3.8%/Si 2.8-3.2%), • Steel Shots S460, • FERRO MANGANESE(MN 75-82%), • FERRO SI(Si 70% MIN), ASTM E 247, • Round steel bar- Material MS (EN3A), • Calcined Petroleum Coke (CPC), • Pre Baked Anode, • Coal Tar Pitch (CTP), • Refractory Alumina (AlF3), • Synthetic Graphite, • Soda Ash Brickettes, • Carrying out various works related to Cast House / Green Anode Plant / Rodding Shop / Bath Handling Plant / Pot-Room/ Power plant / Infrastructure/ Road/ Rail/ Material Handling Systems/ Water Reservoir/ Ash Pond/ Buildings/ Aluminium Park etc - on EPC / Turnkey Basis.

#### SERVICES:

- Operation & maintenance (O&M) services for smelters, power plants & port facilities, integrated plant maintenance of aluminium smelter & power plant. • Operations & maintenance of ash pond, ash transportation to low lying area, cement unit, brick unit, any new avenues within pan India, ash dyke raising, buttressing, repairing and engagement of consultants for ash dyke related work. • Design, engineering, system study and consultancy services for smelter & power plant. • Aluminium port services including port startup and port relining. • General civil, electrical, mechanical works and maintenance for aluminium smelters & power plants. • Civil, structural planning, fabrication, erection, roof sheet related works, water proofing jobs, black topping and bitumen works on road. • Inspection, sampling and analysis of coal, Alumina, CP Coke, CT Pitch and other raw materials. • Inspection & overhauling of boiler, turbine and generator. • Agency for CHA, port clearing, forwarding, stevedoring for bulk and containerized import and export through Kolkata, Vizag, Haldia, Gangavaram, Paradip, Kakinada seaport, Kolkata airport and Vedanta Ltd., Jharsuguda, SEZ plant. • Material handling service, technology vehicle & equipment hiring at plant and ports. • Inbound & outbound pan India transportation by road and rake. • Import & export shipping line service for major base ports. • Break bulk shipment of alumina & CP coke from Australia and China to India. • Fuel alumina transportation by road tanker. • Security sealing of tankers for HFO/LDO/Alumina transportation/Jumbo bag supply & management SAP consultancy services, IT FMS support & AMC. • Implementation partnership to prioritize, design, develop, & implement advanced technologies, innovative ideas, digital transformation, automation etc. • Technology vehicle supply & maintenance. • Boiler tube coating. • O&M of coal handling plant and unloading service. • Consultancy services for smelter & power plant. • Finished goods packaging, lashing chocking material supply and service. • Maintenance of auto-strapping machine. • AMC of elevator and fire-fighting service. • Quality assurance contract. • Relay co-ordination contract. • 400 KV DA tower strengthening. • Integrated warehouse management & supply of spares. • Onsite inspection service. • Maintenance & restoration of transmission line. • AMC of electrical maintenance contract including rectifier & switchyard. • • Dress processing & bagging contract. • Bus & LMV service both inside and outside plant. • Travel assistance (rail & flight ticket booking and visa facilitation). • Arresting leakage of water reservoir & water tanks / clarifiers. • Drain / water reservoir / river cleaning & dredging mechanically. • FDA system supply & installation. • Installation of Energy Management System in plant. • Cooling tower revamp. • Supply, installation and commissioning of laser based fugitive fluoride monitoring system. • Hiring local depot. • Sale process of aluminium dross and other scrap materials. • Advance life support ambulance service. • Agency for various activities. • Industrial catering, housekeeping, horticulture and security services. • Digitization & automation of the system. • Servicing of IR compressors. • Carrying out various works related to Cast House, Green Anode Plant, Rodding Shop, Bath Handling Plant and Pot-Room on EPC / turnkey basis. • Carrying out various works related to Infrastructure (Road, Rail, Material Handling Systems, etc.) on EPC / turnkey basis. • Supply, installation & commissioning of electrical systems (DC Swing System / Interconnecting Transformers). • Supply, installation & commissioning of various items such as laboratory equipment, ladle cleaning machine, LPG bullet, water treatment plant, etc. • Procurement, installation & commissioning of ETP/STP, RO plant, Pumps, Motors, Turbine, Generator, LPF mounded Bullets, Preheater screw, technological vehicles, Conveyor Guarding, conveyor erection, Various security systems including water towers, CCTV, • Refractory maintenance, • FG container transport / Multimodal transport, • Railway O&M, • FG, Alumina, CPC and other material road / bulkier transport contract, • Container sourcing Freight Forwarder, • Bulk vessel shipping liner, • Plant and Port material handling. • Finish Goods packaging / container lashing contract, • Survey / Sampling / Inspection agency contract.

Expression of Interest to be submitted by: 3<sup>rd</sup> November 2023 to: Chief Commercial Officer, PMO Building, Vedanta Limited, Jharsuguda, Odisha - 768201, India

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For further information, bidders can login to: <http://vedantaaluminium.com/vedanta-aluminium-tender.htm>