

VEDANTA LIMITED

(A VEDANTA RESOURCE COMPANY)

INVITES EXPRESSION OF INTERESTS

FOR

WAGON TIPPLER FOR 9 x 135 MW CPP

- A. Vedanta Limited, a Vedanta Resources Company and leading producer of alumina, Aluminium and commercial power in India, has Aluminium smelter 1.8 MTPA (Currently operating at 1.6 MTPA) and TPP of 135MW*9 and 600MW*4 at Jharsuguda and 2 MTPA of Alumina Refinery at Lanjigarh along with matching capacities of Captive Power generation in India. Vedanta invites bid from reputed Bidders for **WAGON TIPPLER FOR 9 x 135 MW CPP.**
- B. **Objective:** Transfer for ~2000 TPH of Coal to Boiler bunkers (phase 1 & phase 2 of the CPP) with sustainable operation. Minimize coal transportation through road and maximize through rake (BOXN). Accordingly conceptualization, designing, installation, commissioning and Performance Guarantee (PG test) of Wagon Tippler & conveying system at CPP- 1215 MW, Jharsuguda for transportation and handling of coal on EPC/BOOT/BOO/BOOM basis.
- C. **Proposed scheme:**
- The scheme for the coal handling system through Wagon Tippler system using BOXN wagon is shown on the right side.
 - The Wagon tippler to handle ~4 rakes each of 58 wagons of present capacity 60 ton pay load in two shift operation. With new type of wagons of higher pay load (around 80T) being introduced by railway, only 2.5 rakes per day will be able to meet the coal requirement of 9x135 CPP in a day.
 - The existing coal handling plants are designed to handle 1000TPH of coal for Phase-I and 1000TPH of coal for Phase-II.
- D. **Scope of Work:**
- The system boundary will start from the unloading of coal by Wagon tippler and conveying the same (after crushing in new crusher houses) at outlet conveyors of existing Crusher Houses.
 - Coal of major size (-) 300mm with about 10 % lumps of much higher size up to 1000 mm size (or even more) will be received at VL Site by BOX / BOXN type wagons.
 - One wagon tippler, side arm charger, Apron feeder and two streams of conveyors (1W + 1S) with primary and secondary crusher house etc. has been envisaged to unload & convey the raw coal after crushing it to required size in two stages and merging the same at two inlet locations of existing conveyors.

Vedanta Limited (Formerly known as Sesa Sterlite Ltd.)

Aluminium & Power

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Registered Office: Vedanta Limited 1st Floor, 'C' wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai 400093, Maharashtra, India.

CIN: L13209GA1965PLC000044

- With the new WT system, either of Phase-1 or Phase-2 of 9x135 MW CPP (all are running) yard can receive crushed coal for stacking or direct feed to bunker as an alternate arrangement to the existing track hopper system.
- Relevant equipment, railway track laying (full length inhaul & outhaul) with all the approvals with bunching considered, new Electrical and Control & Instrumentation system, Utilities to be installed as per Vedanta's HSE & Sustainability guidelines, standards & notes.
- Total land to be procured to execute this project will be in VL's scope however Bidder can explore & suggest for alternative arrangement like 'shifters' to optimize the system layout.
- Dust suppression system at material transfer points (Required compressed air will be in bidder's scope), other utility requirement to be satisfied.
- Fire fighting system for conveyors and transfer towers with LHS & deluge valve system with sprinklers and FDA at required places.
- Machine guarding (360 deg) for all conveyors and rotating equipment.
- All civil, structural, mechanical and electrical related works.
- Obtaining necessary clearances from government/statutory bodies for construction and commissioning.
- Upon commissioning, carrying operation and maintenance of the facility
- The bidder shall be allowed to tie-up / form alliance with Design/ Construction/ Operating partners so as to take up the above works as a consortium.

E. Bids are invited on **EPC/BOOT/BOO/BOOM** model. Interested bidders may submit the expression of interest along with the following documents but not limited to

- Last 3 years P&L Statement/Balance Sheet/audited annual report.
- Number of executed projects of more than 300MW.
- Current orders in hand and the projects executed in last 3 years

Interested parties can submit their Expression of Interest basis within 15 days from the date of publication as per the EOI document at the e-mail addresses given below:

To: eoivljprojects@vedanta.co.in

Cc: Mr. Gaurav Bhandari (Dy Manager, Project) <Gaurav.Bhandari@vedanta.co.in>

Ms. Sonika Mishra (Asst. Manager, Project) <sonika.mishra@vedanta.co.in>

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