

## **Sijimali Bauxite Mines**

### **Plan for transportation of minerals proposed to be raised from the Mining Lease**

Sijimali mining project is slated to produce 6 MTPA of ROM bauxite, which will eventually feed a 3 MTPA alumina refinery proposed to be set up by L&T near Kushmshila village, about 13 Km from the boundary of the Sijimali deposit under reference.

Handling such a massive volume of ore is quite challenging and to this effect the project proponent M/s L&T Limited has planned a comprehensive and robust material handling system comprising a crushing station, overland conventional conveyor within the mining lease boundary and a long distance downhill conveyor of about 13 KM using state of the art engineering and technology.

While the detailed engineering shall be further optimised prior to mining, the transportation system shall begin with carriage of ROM bauxite by dumpers/haul trucks from the mine pit upto crushing station which is located within the lease boundary. Subsequent to crushing, the crushed bauxite shall be transported through a conventional conveyor of 1500 TPH capacity running within the lease boundary. The bauxite shall subsequently be transferred through a transfer tower to a long distance downhill conveyor of same capacity. Using latest material handling practices and technology, utmost care shall be taken to minimise the number of towers and environmental foot prints.

In an unlikely event of the long downhill conveyor not getting ready by the time the alumina refinery is completed, bauxite is proposed to be transported using existing road and / or rail network.



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