

USE OF MINERAL

Laterite will be sold to cement plants, exported to Foreign countries. Cement factories require laterite having + 30 % Fe₂O₃ and mesh size of about 10 to 40. Laterite from this area matches the above requirement.

Following are the expected consuming industries and their requirements

(a) Cement Plants in Hyderabad,

Fe₂O₃ + 46 %

Size 70AFS

(b) Exports to foreign Countries

Fe₂O₃ + 46 %

Size 70AFS

Haulage and Transport

It is a small mine, Transportation and haulage of laterite will be carried out by 3t tractor trolleys within quarry and onwards dispatches will be done by tippers.

No. of tipper required

Total tons to be hauled/day = 666 tons

Distance from pit to unloading point = 200 - 300

No. of trips / hr = 3

Tonnage hauled / day (10t trucks) = 10 X 3 X 8 = 240 TPD

No. of trucks required = 666 / 240 = say 3

Summary of the machineries used for mining

Sr. No.	Type of machinery	Capacity	Nos.
1)	Excavator/JCB	0.90 cu.mts	3
2)	Tractor Trolleys	3 tonnes	3
3)	Trucks/ Dumpers	10 tonnes	3