

Transport Mechanism of the mineral

(a) Haulage within the Mining lease area:-

Nine nos. of 100 T off- highway, Rear dump type, high capacity, Heavy duty dumpers will be deployed for ore/waste excavation as a matching combination to the excavators with the following specifications.

Sl. No.	Type	Nos.	Size/ Capacity	Make	Motive Power	H.P/KVA/ KW
1.	Rear Dumping	9	100 T	Indigenous/ Imported	Diesel	1348 H.P/ 1005 KW

(b) Transport from Mine-Head to Screening plant of Donimalai and thereof:

The size of material emerging from crushing plant will of -100 mm size. The same is to be transported to screening plant by single flight belt conveyor of a capacity of 7 MTPA including the minerals to be produced from other part of this NMDC mine.

The above material after reaching screening plant will be processed and the generated/processed, lump and fines will be transported by belt conveyors and stacked in loading plant stockpiles at Ranjitpura siding by movable stackers. The existing setup available at Donimalai loading plant will be used as it is and the additional fourth line required in screening plant is already installed. The ore from these stockpiles will be reclaimed by movable reclaimer and loaded into rakes for transport to customer destination.