Brief Note

Mangalam Cement Ltd., (MCL) is operating a cement plant with three manufacturing units at Morak Village,Ramganjmandi Tehsil, Kota District, Rajasthan.

Consented Clinker production capacity of MCL is 4.06 million tonnes per annum (MTPA). Present clinker production of MCL is 2.31 MTPA from two units i.e Unit – I and Unit - II. Unit – III clinkerisation unit of 1.75 MTPA is under construction. MCL proposes to increase clinker production capacity of Unit – I and Unit – II marginally. The total clinker production of MCL after expansion of Unit – I and Unit – II and operation of Unit – III will be 5.30 MTPA. The requirement of limestone for clinker production of 5.30 MTPA is 8.0 MTPA.

MCL is presently producing limestone of 4.5 MTPA from its captive limestone mine i.e **Morak Limestone Mine** spread over an area of 895.42 Ha. MCL now proposes to increase limestone production from 4.5 to 8.0 MTPA to meet the limestone requirement of MCL at clinker production of 5.30 MTPA.

Limestone proven reserves are about 112.50 Million Tonnes. At proposed production of 8.0 MTPA the mine will have life of 15years

The present proposal is for obtaining Environmental Clearance for Enhancement of production from 4.5 to 8.0 Million Tonnes

Mechanized method of mining is adopted. The limestone produced will be crushed in the mine and for transport to cement plant by conveyor.

Land use pattern in the area consist of 139 ha Forest land and 756.0 ha of other land including Govt. Land and Agriculturel land.

The overburden consist of soil and shale. Soil varies in thickness of 0.5 to 1.5 m. Under the soil the waste material is shale varying in the thickness upto 36m. Top soil and overburden of about 125 million tonnes and is expected to be generated during the life of the mine which will be utilized for backfilling of mined out pits, plantation and development of greenbelt. The shale exposed area is being drilled and blasted. The blasted material is being used for backfilling and land reclamation.

Water requirement of the mine will increase from 210 m^3/day to 500 m^3/day for dust suppression, plantation and domestic purposes. This requirement will be met from rain water surface runoff collected in mined out pits.

The capital Investment Cost is estimated as Rs. 50 crores. All the infrastructural facilities are existing.