

Brief Summary of
ACC LIMITED – SINDRI CEMENT WORKS
Capacity Expansion of Cement from 2.5 MTPA to 4.5 MTPA
At
Sindri, Dhanbad District, Jharkhand

ACC Limited is operating Sindri Cement Works (SCW) located at Sindri, Dhanbad, District of Jharkhand. SCW Limited has obtained Environmental Clearance (EC) from Ministry of Environment, Forests (MoEF) vide MoEF letter no.F.No.J.-11011/623/2009-IA-I (I) dated 13th May 2011 for 2.5 MTPA Cement of different products mix of PPC,PSC,OPC& GGBFS (at any ratio) as per requirement of market scenario and CTO from jharkhand state Pollution control Board.

Sindri Cement works proposes for Expansion of Sindri Cement Works Cement production capacity from 2.5 MTPA to 4.5 MTPA and accordingly applying for obtaining Environmental clearance From MoEF&CC as per EIA notification 2006.

The proposed expansion will be developed in two phases:

- 1) Phase - I : 2.5 to 3.0 MTPA (In existing line with optimization.)
- 2) Phase - II : 3.0 to 4.5 MTPA)

The present Water requirement of the plant is 250 KLD. After expansion this will become 285 KLD. Sindri Cement Works has an agreement with FCI for supply of 1137.5 KLD of water.

Since this is dry process, no water is required during the manufacturing of cement. The only source of water consumption is cooling of plant machinery during grinding. Thus no process waste water is generated.

Domestic sewage from plant and colony is being treated in the following STPs.

- a) Inside plant area 20 KLD & 10 KLD total 2 nos - of Sewage treatment plant has been installed.
- b) In staff colony 200 KLD Sewage treatment plant has been installed

The treated sewage is used for water sprinkling, irrigation / plantation development. No wastewater is discharged outside plant premises.

Plant was designed to achieve zero liquid discharge-

The dust collected in the air pollution control equipment in the cement plant will be recycled back to the process. Hence no solid waste which requires disposal is generated from the plant

The Interstate boundary West Bengal is 2.5 km from the project site.

There are no wild life sanctuaries, national parks, elephant/tiger reserves within 10km radius of the study area.

The site is well connected by Rail, road. Sindri Cement Works (SCW) is located at Sindri, at a distance of 27 kms from Dhanbad Railway Station on Western side, in Dhanbad, District of Jharkhand.

Greenbelt will be developed in about 23.6 Acres.

The additional power requirement would be about approx 10 mw for both phase-I & II for the expansion plant.

Existing manpower is sufficient to cater the First phase requirement. Local people will be employed for construction activities.

During the construction phase, 200 people on daily average will be employed for a period of 18 months.

The estimated capital cost, for the plant and equipment to be installed, works out to about Rs. 255.0 crores .