

## Brief Summary of the Project

### 1. Introduction

M/s. Ambuja Cements Limited (ACL) is having an existing Integrated Cement Plant with Clinker production capacity of 4.42 MTPA (Line - I: 1.7 MTPA & Line - II: 2.72 MTPA), Cement - 3.5 MTPA, Captive Power Plant - 63 MW & DG Set - 14 MW at Village: Rawan, Tehsil: Balodabazar, District: Balodabazar-Bhatapara (Chhattisgarh).

Environmental Clearance for the existing capacities have been obtained from MoEF, New Delhi.

### 2. Project Proposal

M/s. Ambuja Cements Ltd. (Unit: Bhatapara) is now proposing an expansion in Clinker production capacity (2.72 to 3.1 MTPA) in existing Line - II by Process Optimization at Village: Rawan, Tehsil: Balodabazar, District: Balodabazar-Bhatapara (Chhattisgarh).

Units	Existing Capacity	Proposed Expansion Capacity (Line - II)	Total Capacity after Expansion
Clinker (MTPA)	4.42 (Line I - 1.7 & Line II - 2.72 )	0.38	4.8 (Line I - 1.70 & Line II - 3.1)
Cement (MTPA)	3.5	Nil	3.5
Captive Power Plant (MW)	63 (2 x 15 & 1 x 33)	Nil	63
D.G. Set (MW)	14	Nil	14

### 3. Screening Category

As per EIA Notification dated 14<sup>th</sup> September, 2006, as amended from time to time; the project falls under Category "A", Project or Activity '3(b)'.

### 4. Brief Description of Project

#### Location Details:

- ∞ Village : Rawan
- ∞ Tehsil : Balodabazar
- ∞ District : Balodabazar -Bhatapara
- ∞ State : Chhattisgarh

#### Area Details:

- ∞ *Total Plant Area:* 238.97 ha (including CPP); no additional land is required for the proposed expansion project, as the same will be done within the existing plant premises by process optimization.
- ∞ *Greenbelt / Plantation Area (ha):* 57.75 ha have already been developed under green belt/ plantation. Additional 21.32 ha will be further developed.

**No National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger / Elephant Reserve, Wildlife Corridor, Protected Forest etc. falls within 10 km radius of the plant site.**

Following Reserved Forests falls within 10 km radius study area of the plant site:

- Dhabadih RF (~4.0 km in South direction)
- Latwa & Sonbarsa RF (~6.0 km in NE direction)
- Mohtara RF (~9.0 km in NE direction)

### Cost Details:

- ∞ Total Cost of the Expansion Project: No additional cost is required for proposed expansion.
- ∞ Cost for Environment Management Plan:
  - ✓ Capital Cost - Nil (Present pollution control equipments are capable of handling the pollution load.
  - ✓ Recurring Cost - Rs. 1.05 Crores (same as existing).

### Basic Requirements for the Project

- ∞ **Water Requirement (KLD):** The existing water requirement is 1620 KLD (cement plant & colony). No additional water will be required for the proposed expansion.  
Source: Ground Water & Mine Pits.
- ∞ **Power Requirement (MW):** The existing power requirement is 70 MW. No additional power will be required for the proposed expansion.  
Source: Captive Power Plant, Chhattisgarh State Electricity Board (CSEB) & D.G. Set (for back-up).
- ∞ **Man Power Requirement:** The existing manpower requirement is 1437. No additional manpower will be required for the proposed expansion.  
Source: Unskilled / Semi-skilled - local area skilled - outside / local.
- ∞ **Raw Material Requirement:** Raw materials required for the proposed expansion of cement plant are Limestone which will be procured from Captive Mines; Chemical Gypsum which will be procured from Paradeep Phosphate, Koromandal International Limited; Sand stone & Iron ore will be purchased from local supplier.

### 5. Environment Management Plan

All major sources of air pollution are being provided with bag house, bag filters & ESP to maintain particulate matter emissions within permissible limit. No major water, noise & soil pollution is envisaged from the project activity. Various mitigation measures are being undertaken to take care of the environment in respect of air, water, noise, soil & the green cover of the plant site & nearby villages. Same practices will be followed for proposed expansion project.

No industrial waste water is being / will be generated from cement manufacturing process. Domestic waste water generated from Colony is being / will be treated in STP. Treated water is being / will be used for Green Belt Development. Rain water harvesting is being /will be done at plant area.

No solid waste is being / will be generated in cement manufacturing process. Dust collected from various pollution control equipments is being / will be recycled back to the process. STP Sludge is being / will be utilized as manure for green belt development within the plant premises. Used oil & grease generated from plant machinery/ gear boxes as hazardous waste are being / will be sold out to the SPCB authorized recycler.

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