

## **Brief Summary of the Project**

### **1. Introduction**

M/s Carya Chemicals & Fertilizers Pvt.Ltd. is a Company promoted by Mr. Navjeet Singh Sobti, Mr. Vikas Gupta & Mr. Varun Gupta. The promoters of Carya have diversified interests in liquor, edible oils, real estate, financial services etc. The promoters along with their relatives and business associates have a combined turnover of more than Rs. 1500 Crores and a combined networth of more than Rs. 400 Crores. The promoters have the financial and managerial capability to set up and manage large industrial projects.

### **2. Project Proposal**

M/s Carya Chemicals & Fertilizers Pvt. Ltd. is proposing 125 KLPD Grain Based Distillery along with 3.5 MW Co-generation Power Plant at RIICO Industrial Area, Village Guwadi & Majhari, Tehsil Shahabad, District Baran (Rajasthan).

### **3. Screening Category**

As per EIA Notification dated 14<sup>th</sup> Sep., 2006 and as amended from time to time; the project falls in Category 'A', Project or Activity - 5(g)(ii) [Non-molasses based distilleries >60 KLD].

### **4. Brief Description of Project**

#### **Location Details:**

- ❖ Location : RIICO Industrial Area
- ❖ Village : Guwadi & Majhari
- ❖ Tehsil : Shahabad
- ❖ District: Baran
- ❖ State : Rajasthan

#### **Area Details:**

- ❖ Total project area: 20 Acres (8.09 ha)
- ❖ Greenbelt / Plantation Area: 6.4 Acres (2.6 ha i.e., ~33 % of the total project area)

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

- **One Reserved Forest** (Bhoyal RF, ~2.0 km in North) and 6 Protected Forests {(Sahroi PF, ~7.5 km in NW), (Jhimiya PF, ~8.0 km in West), (Dabar PF, ~5.5 km in ESE), (Somera Bhoyal PF, ~2.0 km in NE), (Nonera PF, ~3.5 km in SW) and (Bichi PF, ~7.5 km in SSW)} exit within 10 km radius study area.

#### **Cost Details:**

- ❖ Total Cost of the Proposed Project Rs. 160 Crores
- ❖ Cost for Environment Management Plan

- Capital Cost - Rs. 20 Crores.
- Recurring Cost - Rs. 2 Crores / annum.

#### Basic Requirements for the project

❖ **Water Requirement (KLD):** The total water requirement for proposed project will be 1161 m<sup>3</sup>/day.

Source: Ground Water & Recycled water

❖ **Power Requirement (MW):** The total power requirement for proposed project will be 2.8 MW.

Source: Proposed 3.5 MW of Co-Generation Power Plant & 1x1000 KVA & 1x500 KVA of D.G. set (for power back-up)

❖ **Man Power Requirement:** The man power required for proposed project will be 100 persons.

Source: Unskilled/ Semi-skilled-local area; skilled- nearby areas & outside areas also.

**Raw Material Requirement:** The main raw material required for the proposed project is Grains such as Bajra, Broken Rice, Maize & Sorghum. Other chemicals required for the Distillation process includes Nutrient, Yeast Culture, Antifoam (Silicone based) and Sodium Hydroxide..

**Fuel Requirement:** The fuel requirement for the proposed project will be Indian Coal (192 TPD) or Rice Husk (227 TPD) which will be sourced from nearby areas/open market.

**Steam Requirement:** The steam requirement for the proposed project will be 22.2 TPH

**Boiler Details:** Proposed Boiler of 36 TPH capacity with ESP as APCE is proposed to be installed.

#### 5. Environment Management Plan

All major sources of air pollution will be provided with 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 will be undertaken to take care of the environment in respect of air, water, noise, soil & the green cover of the plant site & nearby villages.

The project is/will be based on Zero Effluent Discharge. Fly ash from the Boiler will be utilized in nearby brick manufacturing units. Process condensate from MEE will be recycled back to the process for Grain dilution and cooling tower make up. Spent lees generation from distillation column will be recycled partly to the columns for dilution and balance will be used for cooling tower make up. Effluent Treatment Plant will be installed and treated water from ETP will be recycled back to the process and remaining will be used for green belt development. Rainwater would be utilised to recharge the underground resource through scientifically designed rainwater harvesting system.

