

## **Brief Summary of the Project**

### **1. Introduction**

PernodRicard India (P) Ltd. has existing 7500 KL per annum grain based distillery and 72 KL/Day IMFL Bottling Plant (8000 cases per day) at Village Karoda, Tehsil Behror, District Alwar, Rajasthan. Environmental Clearance for the same was obtained by Alwar Breweries & Distilleries Limited from MoEFCC, New Delhi vide Letter No. J-11012/24/96- IA II (I) dated 28<sup>th</sup> June, 1996. The company took over Allied Domecq Spirits & Wine (India) Pvt. Limited (*formerly known as Alwar Breweries & Distilleries Limited*) in the year 2007.

Presently, the unit is running its IMFL bottling plant within the existing plant premises. The distillery plant is non-operational since 2014.

### **2. Project Proposal**

The company is now proposing modernization of existing 7500 KL per annum grain based distillery and installation of 0.85 MW Co-generation Power Plant within existing plant premises.

### **3. Screening Category**

As per EIA Notification dated 14<sup>th</sup> September, 2006 and its subsequent amendments, the project falls under Category "B", Project or Activity 5(g).

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

#### **Location Details:**

- ✓ Village : Karoda
- ✓ Tehsil : Behror
- ✓ District : Alwar
- ✓ State : Rajasthan

#### **Area Details:**

- ✓ **Total plant area:** The existing plant area is 18.5 acres (7.5 hectares). No additional land is required for modernization and expansion, as the same will be done within the existing plant premises.
- ✓ **Greenbelt & Plantation Area:** 6.1 acres (2.5 ha) i.e. 33% of the total plant area has already been developed as greenbelt & plantation.

No National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger / Elephant Reserve, Wildlife Corridor, Protected Forest, etc. falls within 10 km radius of the plant site. Only one Baraud Reserve Forest lies in 6.5 km in WNW direction.

**Water Body (within 10 km radius):** - Sahibi or Sabi Nadi (Adjacent in South direction), Karnali Nadi (~1.5 km in South direction), Sota Nadi (~4.5 km in South direction), Banganga Nadi (~5.1 km in ESE direction) are present in 10 km radius.

#### **Cost Details:**

- ✓ **Total Cost of the Project:** Rs. 48.8 Crores
- ✓ **Cost for Environment Management Plan**
  - Capital Cost - Rs. 11.50 Crores

- Recurring Cost - Rs. 1.64Crores / annum

#### **Basic Requirements for the project**

- ✓ **Water Requirement (KLD):**After modernizationfresh water requirement will 386 KLD.  
**Source:**Ground Water
- ✓ **Power Requirement (MW):**The power requirement after modernization will be 1.0 MW.  
**Source:**0.85 MW Co-generation power plant, Rajasthan State Electricity Board (RSEB)& DG Sets for emergency back-up.
- ✓ **Man Power Requirement:**The existing manpower is 100 persons, which is sufficient after proposed modernizationalso.  
**Source:**Unskilled/ Semi-skilled-local area; skilled- nearby areas & outside Rajasthan.

**Raw Material Requirement:**The main raw material required for the project is Grain.Other chemicals required for the distillation process includes enzymes, nutrient, yeast, antifoam agent and sodium hydroxide.

**Fuel Requirement:**The fuel requirement for the boiler will be Biomass/Rice husk or Coalwhich will be sourced from nearby areas/open market.

**Boiler Details:** Capacity ofexisting boiler –10 TPH. The company will replace the existing low pressure boiler of 10 TPH with new high pressure boiler of same capacity.

#### **Environment Management Plan**

Various mitigation measures will beundertaken to take care of the environment in respect of air, water, noise, soil & the green cover of the plant site & nearby villages.

Bag filter/ ESP will be installed with the proposed 10 TPH boiler to keep the emissions below permissible level after modernization.CO<sub>2</sub> generated during the fermentation process will be collected.

The distillery will be based on Zero Effluent Discharge. Grain Slops (Spent Wash) will be taken through Centrifuge Decanters for separation of Suspended Solids separated as Wet Cake & will then be treated in Multi Effect Evaporator followed by dryer.Solid waste from the Grain based operations generally comprises of fibres and proteins in the form of DDGS, which will be ideally used as Cattle Feed/ Poultry Feed/ Fisheries etc.The process condensate will be cooled and sent to CPU. After treatment this process condensate will be recycled into process use.

Ash from the boiler will be given to nearby brick manufacturers& cement manufacturers.

