

CHAPTER – I

INTRODUCTION

1.0 PURPOSE OF THE REPORT

To keep the Environment congenial for better standard of living, the provisions have been made in the constitution of India and many enactments have taken place, so that, industrialization may not have adverse impact on the environment. The few to mention are as follows:

1. Environment Protection Act, 1986
2. Environment (Protection) Rules, 1986
3. Water (Prevention & Control of Pollution) Act, 1974
4. Air (Prevention & Control of Pollution) Act, 1981
5. Environment Impact Assessment Notification, dated 27th January 1994
6. Environment Impact Assessment Notification, dated 14th September 2006

So, as per the recent EIA notification dated 14th September 2006, it is mandatory to have the Environmental Clearance from Ministry of Environment & Forests, Government of India, New Delhi for the industries/activities mentioned in the Appendix.

As a process, Environment Impact Assessment study is to be conducted and impact due to this project during construction as well as during operation phase is to be assessed and adequate mitigation measures are to be suggested for implementation, so that adverse impacts if any are kept under control and within the permissible limits.

Rapid industrialization leads to waste generation resulting in impact on the surrounding environment. The environment has a finite capacity to assimilate pollutants, beyond which the development is considered to be unsustainable.

M/s. NV Distilleries & Breweries (North East) Pvt. Ltd. is planning to establish a 200 KLPD Grain based Distillery, 15 KLPD Malt Spirit, Bottling

of IMFL, Country Liquor & Co-Generation Power Plant of 10 MW in Village Bartezpur, P.O. Vijayanagar, District Kamrup, State Assam and as per the EIA notification, 2006, this project falls under Category 'A' and Project or Activity 5(g) hence require Environmental Clearance.

1.1 IDENTIFICATION OF THE PROJECT AND PROJECT PROPONENT

1.1.1 Project Proponent

NV, A name that connotes quality, is a 10 years old company. It has slowly emerged as a company adopting stringent quality control measures, adoption of internationally proven technology and manufacturers of superior distilled spirits. It is in fact one of the very few companies who have the infrastructure to manufacture RTD's in India.

NV Group is having manufacturing facilities in the State of Punjab, Haryana, Maharashtra and Goa.

The company has a strong marketing base of its own, strategically located all over India for marketing of its own products. The Company has its Head Quarters in New Delhi. It also earns valuable foreign exchange from their exports.

M/s. NV Distilleries & Breweries (North East) Pvt. Ltd. is one of the subsidiaries of this group.

1.1.2 Project

Looking at the market demand, **M/s. NV Distilleries & Breweries (North East) Pvt. Ltd.** is planning to establish a 200 KLPD Grain based Distillery, 15 KLPD Malt Spirit, Bottling of IMFL, Country Liquor & Co-Generation Power Plant of 10 MW in Village Bartezpur, P.O. Vijayanagar, District Kamrup, State Assam and as per the EIA notification, 2006, this project falls under Category 'A' and Project or Activity 5(g).

1.2 BRIEF DESCRIPTION OF THE NATURE OF SITE, LOCATION OF THE PROJECT

The project site has been selected keeping the various factors in vision viz. raw material availability and the availability of other infrastructural facilities e.g. land, power, water, transport and communication etc., approach road & access distances from the nearest highway, railway station and is far away from any ecologically sensitive area etc.

TABLE: 1.1
BRIEF DESCRIPTION ABOUT THE PROJECT

S. No.	Particulars	Details
1.	Name of the project	Proposed 200 KLPD Grain based Distillery, 15 KLPD Malt Spirit, Bottling of IMFL, Country Liquor & Co-Generation Power Plant of 10 MW
2.	Total Plot Area for Distillery	25 Acres (10 ha.)
3.	Greenbelt Area	8 Acres (33% of the total plot area)
4.	Locations	
	A. Village	Bartezpur
	B. P.O.	Vijayanagar
	B. District	Kamrup
	C. State	Assam
5.	Nearest Railway Station	Guwahati (32 km E)
6.	National Highway	NH – 37 (1 km N)
7.	Nearest Airport	Guwahati (16 km E)
8.	Nearest Town /city	Guwahati
9.	Nearest River	Brahmaputra river (6 km in NNE)
10.	Reserve forest/Protected forest/ Wildlife Sanctuary/ Biosphere reserve	Kulsi Reserve Forest (9 km in SSW) Kawasingh Reserve Forest (9 km in SE)
11.	Seismic Zone	Zone V
12.	Total project cost	Rs. 243 Crores
13.	Cost for EMP	Rs. 25 Crores
14.	Type of Fuel	Rice husk/Coal/Pet coke/PNG
15.	Total Power Requirement	4.5 MW
16.	Source of Power	Captive Power Plant, State Electricity Board & D. G. sets for power backup
17.	Number of working days	330 days
Micrometeorology (Summer Season – March to May, 2009)		
18.	Temperature	Max : 33.4 ⁰ C

S. No.	Particulars	Details
		Min : 17.3 ⁰ C
19.	Relative Humidity	At 08.30 Hrs. : 57% to 93% At 17.30 Hrs. : 41% to 75%
20.	Dominant Wind Direction	From NE

1.3 SCOPE OF THE STUDY

Terms of Reference (ToR) presentation for the 200 KLPD Grain based Distillery, 15 KLPD Malt Spirit, Bottling of IMFL, Country Liquor & Co-Generation Power Plant of 10 MW project was held on 12th April 2009. The committee has suggested that the ToR awarded during the 89th meeting of the Expert Appraisal Committee (Industry) held during 22-23rd December 2008 will remain same as issued vide File no. J-11011/839/2008-IA II (I) dated 15th January 2009. Following are the additional TOR for preparation of the Environmental Impact Assessment (EIA) Report and Environmental Management Plan (EMP).

- i. Form I & Pre-feasibility for revised proposal of grain based distillery only.
- ii. Executive summary of the project.
- iii. Present land use based on satellite imagery. Details of the land acquired with Khasra nos. alongwith land possession documents (if any).
- iv. Details of site and information related to environmental setting within 10 Km radius of the project site.
- v. Source of raw material
- vi. Information regarding eco-sensitive area such as national park/wildlife sanctuary /biosphere reserves within 10 Km radius of project area
- vii. Ambient air quality monitoring for three months except monsoon
- viii. Mathematical modeling for calculating the dispersion of air pollutants and ground level concentration along with emissions from bagasse/coal fired boiler.

- ix. Details of traffic density vis –a-vis impact on the ambient air.
- x. Details of the use of steam from the boiler
- xi. Ground water quality around the unit
- xii. Detailed water balance indicating the input and output of waste water.
- xiii. Noise levels monitoring at five locations within the study area.
- xiv. List of flora and fauna in the study area.
- xv. Number of working days of the distillery unit.
- xvi. Details of the spent wash treatment.
- xvii. Proposed effluent treatment system and scheme for achieving zero discharge.
- xviii. Water drawl permission from the Irrigation Department/State Ground Water Board.
- xix. Details of solid waste management including management of boiler ash.
- xx. Green belt development as per CPCB guidelines
- xxi. Environment Management Plan
- xxii. Post project environment monitoring.
- xxiii. Plan for prevention of odour nuisance.
- xxiv. Action plan in the tabular form to the issues/suggestions made during the public hearing along with the implementation plan. (this point will be covered after the public hearing).

All the above ToRs have been incorporated in the Draft EIA/EMP Report.

