

# **ENVIRONMENTAL STATEMENT**

OF

**BIHAR DISTILLERS & BOTTLERS PRIVATE LIMITED  
VILLAGE: DEVADI, BLOCK: GARHANI  
ANUMANDAL: ARA, DISTRICT: BHOJPUR, BIHAR  
PIN CODE: 802203**

FOR

**FINANCIAL YEAR 2022-2023**

## [FORM – V]

(See rule 14)

**Environmental Statement for the financial year ending the 31<sup>st</sup> MARCH 2023****PART – A**

(i)	Name & Address of the Owner/Occupier of the Industry operation or process:	Mr. Ashok Kumar Dubey, M/s Bihar Distillers & Bottlers Pvt. Ltd. Village: Devadi, Block: Garhani, Anumandal: Ara, District: Bhojpur, Bihar Pin Code : 802203
(ii)	<u>Industry Category;</u> Primary(STC Code) Secondary (SIC Code)	Primary
(iii)	Production Capacity (Units)	850 KLPD (ETHANOL- 600KLPD&ENA-250KLPD)
(iv)	Year of Establishment	2016
(v)	Date of the last environmental statement submitted.	22/09/2022

**PART – B****Water and Raw Material Consumption****(i) Water Consumption (m<sup>3</sup>/day)**

- 1685.97 m<sup>3</sup>/day

Name of Products	Process Water Consumption per unit of product output
	During the financial year 2022-23
RS/ENA/IA/Ethanol	4.51m <sup>3</sup> / KL of alcohol

1. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

## ii) Raw Material Consumption

Name of Raw Material	Name of Products	Consumption of Raw Material per unit of output*
		During the financial year 2022-23
Grain	ENA/IS	46.87

\*Specific Consumptions are reported BL of alcohol per quintal of Raw Material

**PART - C**

**Pollution discharged to environment/unit of output**  
(Parameter as specified in the consent issued)

(1)	Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants in discharged (mass/volumes)			Percentage of variation from prescribed standards with reasons
			Parameters in mg/lit.	Average Results (monthly)	Max. permissible Norms of SPC Board	
	1	2	3	4	5	6
(a)	Water (Treated Effluent & Domestic)	ZLD Scheme adopted.				
(b)	Air					
	Boiler Stack		PM (mg/Nm <sup>3</sup> )	30.2	50	
	Ambient Air		SO <sub>2</sub> (µg/m <sup>3</sup> )	12.2	80.0	All values are within the prescribed norms
			NO <sub>x</sub> (µg/m <sup>3</sup> )	34.0	80.0	
			PM <sub>10</sub> (µg/m <sup>3</sup> )	68.5	100.0	
			PM <sub>2.5</sub> (µg/m <sup>3</sup> )	40.5	60.0	

**PART – D****Hazardous Wastes**

(As specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste		Total Quantity (Kg.)
		During the financial year 2022-23
1	Used or Spent Oil (Hazardous Waste Category No. 5.1)	380 KG

**PART – E****Solid Wastes**

Solid Wastes		Total Quantity
		During the financial year 2022-23
(a) From Process		
i. DWGS		NIL
ii. DDGS		54367 MT
(b) From Pollution Control Facility		
i. Fly Ash (From ESP)		26371.05 MT
(c) Quantity recycled or re utilized		
i. Sold (DDGS)		53767.36 MT
ii. Disposed		

**PART – F**

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

**SOLID WASTE**

S. No.	Name of the Waste	Quantity	Method of Disposal
1	DWGS	NIL MT	
2	DDGS	53767.36 MT	Sold as Cattle Feed / animal Supplement Feed.
3	Fly Ash	26371.05 MT	Agreement signed with M/s Maa Durga Enterprises to take off fly ash. The "Maa Durga Enterprises" is giving fly ash to brick manufacturers/ paver tiles in nearby villages such as Barap, Baliganw, Isadhi, Kahren, Dulhinganj and Kaup in covered vehicles.

**HAZARDOUS WASTE**

S. No.	Name of the Waste	Quantity	Method of Disposal
1	Used / Spent Oil	380 Kg	Stored for the temporary period in MS drums for the purpose of its reuse in plant machineries or sale to authorized recyclers.

**PART – G**

**Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.**

**Major pollution abatement measures were;**

- NEW RCC road constructed in plant premises to minimize the fugitive emission.
- Fixed and Movable water sprinkler provided within the premises for suppression of dust particle.
- Storage of Rice husk has been covered with durable mesh to prevent it from getting air borne.
- Adequate green belt has been developed (14,134 trees) in the plant area to reduce the particulate matter in the air.
- Regular use of disinfectants in the drain to avoid generation of putrefying micro-organism to mitigate odour within premises.

**Existing greenbelt in the plant premises**

S. No.	Common Name	No. of Trees
1	Conocarpus Sp.	6156
2	Lemon	1730
3	Canna (keli)	1385
4	Arjuna	1743
5	Ashoka	1510
6	Jamun	200
7	Shisham	200
8	Teak(Sagwan)	100
9	Foxtail Palm Tree	400
10	Guvava Tree	300
11	Mango Tree	100
	<b>Total</b>	<b>14,134</b>

**Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.**

- RCC road made in front of ware house office to minimize dust emission.
- Plantation has been done along to outside boundary of industry.

**PART – I****Any other particulars for improving the quality of the environment.**

Bihar Distillers &amp; Bottlers Pvt. Ltd.

  
 Director

**Mr. Ashok Kumar Dubey**  
**(Director)**

Bihar Distillers &amp; Bottlers Pvt. Ltd.

