

HO/2024-25/ 116

Date: 28.09.2024

To
The Member Secretary
Haryana State Pollution Control Board
C, Haryana State Pollution Control Board, 11, Sector 6, Panchkula, Haryana 134109

Sub: Submission of Environment Statement Report (April 2023-March 2024) for M/s Haryana Organics (A Division of Globus Spirits Ltd.) village Chulkana, Tehsil Samalkha, District Panipat, Haryana

Ref.: EC Identification No.: EC23A022HR195384, F. NO. J-11011/714/2009 – IA II (I) Dated: 03/04/2023

Dear Sir,

With reference to the aforesaid subject and above cited reference matter, we are hereby submitting the Environment Statement Report (April 2023- March 2024).

This is for your kind consideration and records.

Thanking you and with regards,

Yours Faithfully,
M/s Haryana Organics
(A Division of Globus Spirits Ltd.)



(Authorized Signatory)

Enclosed: Environment Statement Report (April 2023- March 2024) in soft copy

Globus Spirits Limited

(Corporate Identity Number: L74899DL1993PLC052177)

Registered & Corporate Office:

F-0, Ground Floor, The Mira Corporate Suites, Plot No. 1 & 2, Ishwar Nagar, Mathura Road, New Delhi 110065 Tel.: +011-66424400

Works(1): Village: Shyampur, Tehsil: Behror 301701 Distt.: Alwar (Rajasthan) Tel.: +91-08003592097

Works(2): Haryana Organics (A Unit of Globus Spirits Limited) 4 KM., Chulkana Road, Samalkha 132101 Distt.: Panipat (Haryana) Telefax: +91-180-2570122

Works(3): Associated Distilleries (A Unit of Globus Spirits Limited) Hisar Bye-Pass, National Highway, Hisar 125044 (Haryana) Tel.: +91-09896398187

Works(4): Village: Dhandua, Tehsil: Jandaha, Hajipur 844505 Distt.: Vaishali (Bihar) Tel.: +91-9917437425

ENVIRONMENT STATEMENT REPORT

FINANCIAL YEAR:2023-2024

For:

M/s Haryana Organics

(A Division of Globus Spirits Ltd.)

**Distillery (Molasses/ Grain/ Yeast-based) Plant at
Village Chulkana, Tehsil Samalkha, District Panipat,
Haryana**

Submitted by:



M/s Haryana Organics

(A Division of Globus Spirits Ltd.)

Village Chulkana, Tehsil Samalkha, District Panipat, Haryana

ENVIRONMENTAL STATEMENT REPORT**FORM-V**
(See Rule 14)Environmental Statement for the financial year ending the 31st March 2024**PART-A**

(i)	Name and address of the owner/occupier of the industry operation or process.	Mr. Mahendra Pratap Singh M/s Haryana Organics (A Unit of Globus Spirits Ltd.) #4KM Chulkana Road Samalkha Panipat 132101	
(ii)	Industry category Primary	Red Category	
(iii)	Production capacity	As per Consent no.- 313106518PITCTO5459174 Dated:23/08/2018	As per Consent no.- 313106523PITCTO39884947 Dated:20/09/2023
		Grain Based Distillery-100 KLD IMFL- 10000 Cases/Day CL- 12000 Cases /Day	Grain Based Distillery-140 KLD IMFL- 10000 Cases/Day CL- 12000 Cases /Day
(iv)	Year of establishment	1993	
(v)	Date of the last environmental statement submitted	29/09/2023	

PART-B**Water and Raw Material Consumption****(i) Water consumption m³/day**

Process	538 m ³ /day
Cooling	9 m ³ /day
Domestic	5 m ³ /day

Name of Products	Process Water Consumption per Unit of product Output	
	During the previous financial year (2022-2023)	During the current financial year (2023-24)
RS/ENA/Ethanol	42264 m ³	0.00435 m ³ /l
IMFL/CL	7416 m ³	0.00067 m ³ /l

(2) Raw Material Consumption

Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the Previous financial year (2022-2023)	During the current financial year (2023-2024)
Discarded Grains/Nakku/Bazra	ENA/RS	20340 MT	2.01 kg/l

PART-C

Pollution discharged to environment/unit of output

(Parameters specified in the consent issued)

Pollution		Quantity of pollutant discharged (mass/day)	Concentration of pollutant in discharged (mass/volume)	Percentage of variation from prescribed standards with reason
(a) Air				
Stack Name	Pollutant			
Boiler 10 TPH	PM, mg/Nm³	0.3857 TPD	148.095	No Variation
	Mercury,mg/Nm³	BDL (DL 0.02)	BDL (DL 0.02)	No Variation
	Oxides of Nitrogen, mg/Nm³	0.2309 TPD	88.665	No Variation
	Sulphur Dioxide, mg/Nm³	0.4558 TPD	175.02	No Variation
Boiler 25 TPH	PM, mg/Nm³	0.2278 TPD	77.59	No Variation
	Mercury,mg/Nm³	BDL (DL 0.02)	BDL (DL 0.02)	No Variation
	Oxides of Nitrogen, mg/Nm³	0.3937 TPD	134.09	No Variation
	Sulphur Dioxide, mg/Nm³	0.6755 TPD	230.07	No Variation
DG Set 380 KVA	PM, g/kW-hr	0.0000168 TPH	0.12	No Variation
	Oxides of Nitrogen, g/kW-hr	0.0000832 TPH	0.57	No Variation
	Sulphur Dioxide, g/kW-hr	0.0000365 TPH	0.25	No Variation
	Carbon Mono Oxide CO,g/kW-hr	0.0000671 TPH	0.46	No Variation
Near Main Gate	PM 2.5, µg/m3	45.30		No Variation
	PM 10,µg/m3	82.05		No Variation
	Nitrogen Dioxides,µg/m3	24.83		No Variation
	Sulphur Dioxide, µg/m3	10.93		No Variation
	Ozone,µg/m3	29.20		No Variation
	Lead, µg/m3	BDL (DL 0.02)		No Variation
	Carbon	0.72		No Variation

	Monoxide,mg/m ³		
	Ammonia,µg/m ³	25.40	No Variation
	Benzene,µg/m ³	BDL (DL 1.0)	No Variation
	Benzo (a) pyrene,µg/m ³	BDL (DL 0.5)	No Variation
	Arsenic,µg/m ³	BDL (DL 0.5)	No Variation
	Nickel,µg/m ³	2.19	No Variation
Near IMFL Bottling	PM 2.5, µg/m ³	39.57	No Variation
	PM 10,µg/m ³	79.96	No Variation
	Nitrogen Dioxides,µg/m ³	22.50	No Variation
	Sulphur Dioxide, µg/m ³	10.21	No Variation
	Ozone,µg/m ³	25.04	No Variation
	Lead, µg/m ³	BDL (DL 0.02)	No Variation
	Carbon Monoxide,mg/m ³	0.68	No Variation
	Ammonia,µg/m ³	30.07	No Variation
	Benzene,µg/m ³	BDL (DL 1.0)	No Variation
	Benzo (a) pyrene,µg/m ³	BDL (DL 0.5)	No Variation
	Arsenic,µg/m ³	BDL (DL 0.5)	No Variation
	Nickel,µg/m ³	BDL (DL 1.0)	No Variation
Nr. Admin Building	PM 2.5, µg/m ³	36.85	No Variation
	PM 10,µg/m ³	76.24	No Variation
	Nitrogen Dioxides,µg/m ³	20.74	No Variation
	Sulphur Dioxide, µg/m ³	10.20	No Variation
	Ozone,µg/m ³	23.88	No Variation
	Lead, µg/m ³	BDL (DL 0.02)	No Variation
	Carbon Monoxide,mg/m ³	0.68	No Variation
	Ammonia,µg/m ³	27.09	No Variation
	Benzene,µg/m ³	BDL (DL 1.0)	No Variation
	Benzo (a) pyrene,µg/m ³	BDL (DL 0.5)	No Variation
	Arsenic,µg/m ³	BDL (DL 0.5)	No Variation
	Nickel,µg/m ³	BDL (DL 1.0)	No Variation
Plant Area	PM 2.5, µg/m ³	46.54	No Variation
	PM 10,µg/m ³	81.54	No Variation
	Nitrogen Dioxides,µg/m ³	29.59	No Variation
	Sulphur Dioxide, µg/m ³	12.11	No Variation

	Ozone, µg/m ³	28.75	No Variation
	Lead, µg/m ³	BDL (DL 0.02)	No Variation
	Carbon Monoxide, mg/m ³	0.79	No Variation
	Ammonia, µg/m ³	31.70	No Variation
	Benzene, µg/m ³	BDL (DL 1.0)	No Variation
	Benzo (a) pyrene, µg/m ³	BDL (DL 0.5)	No Variation
	Arsenic, µg/m ³	BDL (DL 0.5)	No Variation
	Nickel, µg/m ³	BDL (DL 1.0)	No Variation
Fugitive emission	Plant Location		Concentration in (µg/m³)
	Main Gate		163.2
	Plant Area		180.4
	Near IMF Botling		139.2
(b) Water	Plant Location		Concentration in (mg/l)
	pH (at 25°C)		7.78
	Chemical Oxygen Demand		28.00
	Biochemical Oxygen Demand		7.50
	Total Suspended Solids		3.00
	Oil & Grease		BDL (DL 1.0)

PART-D HAZARDOUS WASTES

(As specified under Hazardous Wastes / Management and Handling Rules, 1989 and amended in 2002)

Hazardous Waste	Total Quantity (Kg.)	
	During the Previous financial year (2022-2023)	During the current financial year (2023-2024)
Used oil/Lubricant	0 LTR	90
(a) From the process	-	-
(b) From Pollution Control facilities	-	-

**PART-E
SOLID WASTE**

		Total Quantity	
		During the previous financial year (2022-2023)	During the current financial year (2023-2024)
(a)	From Process	Nil	Nil
(b)	From pollution control facility	Nil	Nil
(c)	(1) Quantity recycled or re-utilized within the unit	Nil	Nil
	(2) Sold	Nil	Nil
	(3) Disposed	Nil	Nil

PART-F

Please specify the characterization (in terms of composition and quantum) of hazardous material as well as solid wastes and indicate disposal practices adopted for both categories of waste.

Hazardous waste

- No hazardous waste is generated from the distillery plant except used oil from plant machinery / gear boxes and D.G. Sets which is sold out to the CPCB authorized recyclers.
- A separate designated storage area has been provided with sign boards/labels for storage of hazardous waste.

Solid waste

- Yeast Sludge is sent to sludge drying beds or mixed with wet cake.
- ETP sludge is used as manure
- Fly ash from the Boiler is given to brick manufacturers.
- Wet cake coming out of Decanter centrifuge is immediately processed in dryer to form DDGS (Distillers Dried Grains with Soluble).
- Concentrated spent wash is being/will be used for the recovery of DWGS followed by DDGS to be cattle feed.

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

At present, we are investing significantly in pollution control measures and intend to explore the following possibilities:

- Recovery of energy from waste processes.
- Identifying methods to reduce fuel consumption in our operations.
- Exploring technologies for capturing and reusing carbon dioxide emissions.
- Treating MEE condensate and other wastewater through a centralized treatment facility (CPU).
- Utilizing advanced enzymes and yeast to achieve approximately a 15% reduction in water consumption.
- Operating an Electrostatic Precipitator (ESP) to ensure that suspended particulate matter (SPM) remains within permissible limits.

PART-H**Additional measures/ investment proposal for environment protection including abatement of pollution/ prevention of pollution**

Investment done for Environment protection –

- Investment in air pollution control devices, including an Electrostatic Precipitator (ESP) and bag filter.
- Implementation of an online stack monitoring system with an SPM analyser.
- The CPU recycles steam condensate, reducing fresh water use, wastewater discharge, and chemical consumption. It improves energy efficiency and prevents equipment corrosion, lowering the overall environmental impact.
- Development of a Sewage treatment plant.
- Establishment of an environmental monitoring laboratory.

PART-I**Any other particular for improving the quality of the environment**

- A green belt has already been developed for environmental protection.
- Rainwater harvesting systems have been implemented for rooftop structures.
- A piezometer has been installed to measure groundwater levels.
