JUBILANT AGRO SCIENCES LIMITED

ENVIRONMENTAL STATEMENT

Date: 16.09.2024

FORM-V

Environmental statement for the Financial Year ending 31st March, 2024

PART-A

I Name and address of the owner/occupier of the industry, operation or process

Mr. Chandan Singh
1-A, Sector 16-A,
Noida - 201 301
Uttar Pradesh

: Location of industry :
Jubilant Agro Sciences Limited
P1-L11,L18, L20 at plot No. 5,
Vilayat GIDC Estate
Ta : Vagra - 392 012.Dist : Bharuch (Gujarat)

II Industry Category : Major

III Production capacity :

Sr. No.	Product	TPM
1	Mepiquat Chloride, Chlormequat Chloride, Chlorpyrifos & its derivatives, Imidacloprid, Acetamiprid, Thiamethoxam, Thiacloprid, Chlorfluazuron, Chlorantraniliprole, Cyantraniliprole, Triclopyr, Triclopyr butoxy ethyl ester, Fluroxypyr-methyl, Clodinafop Propargyl, Diquat dibromide, Haloxyfop-P-methyl, Fluazifop-P-butyl, Diflufenican, Nicosulfuron, Picoloram, Clopyralid, Paraquat & its derivatives, Trifloxystrobin, Imazethapyr, Pyroxsulam, Picoxystrobin, Boscalid, Azoxystrobin, Intermediates of any of the above (#1 to #28), 2-Chloro-6-(trichloromethyl) pyridine.	2
2	Pymetrozine	250
3	Azamethiphos	100
4	Pyriproxyfen	750
5	Picoxystrobin	
6	Chlorantraniliprole	
7	Prothioconazole	

IV Year of establishment : 2021

V Date of last environmental audit statement submitted : 26/06/23

PART-B

Water and Raw Material Consumption

I Water consumption M3/day (average)

Process	0.32
Boiler & Cooling	11.99
Domestic	0.23
Others	0.00

Name of Product	Process Water consumption (including boiler, cooling, domestic water etc.) Per MT of product output during	
	Previous financial year	Current financial year
Azamethiphos	NA	41.00

II Raw Material consumption:

Name of Raw Material	Raw Material consumption per MT of Product output during	
	Previous financial year	Current financial year
6-c-3-cm-3H-o[4,5-b]p-2-one	NA	2.61
S-O,O'-dmp	NA	2.61
N,N'-DF	NA	6.14
10% SC soln.	NA	2.41
Sodium Bicarbonate	NA	0.06
Hyflow	NA	0.04
Caustic Soda Lye	NA	0.00
EA	NA	8.78
Activated Charcoal	NA	0.06

PART-C

Pollution generated

Sr. No.	Pollutants	Quantity Of pollution (mass per day avg.)	Quality Of pollution	Percentage variation from prescribed standard with reasons
(a)	Water			
1	Flow	0.72 M3/day	NA	Within limit
2	pH	7.0 - 8.5	7.0 - 8.5	Within range
3	S.S.	0.01 kg/day	17.00 mg/l	Within limit
4	Oil & Grease	0.00 kg/day	0.00 mg/l	Within limit
5	BOD	0.02 kg/day	27.41 mg/l	Within limit

6	COD	0.06 kg/day	78.75 mg/l	Within limit
7	Amm. Nitrogen	0.00 kg/day	2.75 mg/l	Within limit
(b)	Air stack attached to			
(1)	Pilot Plant			Within limit
	- VOC	-- kg/day	1.00 mg/Nm3	Within limit
	- SO2	-- kg/day	1.50 mg/Nm3	Within limit
	- BR2	-- kg/day	0.52 mg/Nm3	Within limit
	- HBr	-- kg/day	1.97 mg/Nm3	Within limit
	- CL2	-- kg/day	0.61 mg/Nm3	Within limit
	- HCl	-- kg/day	1.00 mg/Nm3	Within limit
	- NH3	-- kg/day	1.49 mg/Nm3	Within limit

PART-D

Hazardous Waste

(As specified under Hazardous Waste Management & Handling Rules)

Sr. No.	Hazardous Waste	Total Qty. (MT) during	
		Previous financial year	Current financial year
a	From Process		
1	Process Residue	0.00 MT	139.94 MT
2	Effluent sludge	0.00 MT	0.00 MT
4	Spent Solvents	0.00 MT	0.00 MT
3	Empty barrels/ carbuoys	0.00 MT	0.00 MT
b	From pollution control facilities		
	NIL	NIL	NIL

PART-E

Solid Waste

Sr. No.	Solid Wastes	Total Qty. (MT) during	
		Previous financial year	Current financial year
a	From Process		
	NIL	NIL	NIL
b	From pollution control facilities		
	NIL	NIL	NIL

PART-F

Please specify the characteristics (in terms of composition & quantum) of solid as well as hazardous waste and indicate disposal practice adopted for these categories of waste

Sr. No.	Waste	Characteris t	Schedule	Facility
1	Process wastes or residues	Solid/Liquid	29.1	Collection, handling, storage within factory premises and transportation for final disposal at authorised Common Incinerator or Common Incinerator of SEZ or co-processing at cement plant or pre-processing for co-processing.
2	Contaminated Organic or aqueous phase (Discarded Reaction mass / Failed reaction mass etc.)	Solid	C12	Collection, handling, storage within factory premises and transportation for final disposal at authorised Common MEE or Common Incinerator or Common Incinerator of SEZ or co-processing at cement plant or pre-processing for co-processing.
3	Effluent sludge (Scrubber sludge, MEE salt etc.)	Solid-Inorganic	35.3	Collection, handling, storage within factory premises and transportation for final disposal at authorised Common TSDF or co-processing at cement plant or pre-processing for co-processing.
4	Used/ Spent Acid	Liquid	29.5	Collection, handling, storage within factory premises and transportation for sale to authorised party or final disposal at Common Incinerator or Common Incinerator of SEZ or co-processing at cement plant or pre-processing for co-processing.
5	Used/ Spent Solvent	Solid	C2	Collection, handling, storage within factory premises and transportation for sale to Rule 9 authorised end user or final disposal at authorised Common Incinerator or Common Incinerator of SEZ or co-processing at cement plant or pre-processing for co-processing.
6	Spent Catalyst	Liquid	29.5	Collection, handling, storage within factory premises and transportation for sale to Rule 9 authorised end user or final disposal at authorised Common TSDF or co-processing at cement plant or pre-processing for co-processing.
7	Spent Carbon or filter medium	solid	36.2	Collection, Storage, Transportation. & send for end users having rule-9 permission under HOWR-2016, valid CCA after making MoU OR Pre-Processing/ Co-Processing to cement industry registered with XGN or send to common TSDF site.

8	Empty barrels/ container/liners contaminated with hazardous chemical/waste	solid	33.1	Collection, Storage, Decontamination/ detoxification, reuse, transportation and/or send to authorized decontamination facility.
9	Used or Spent Oil	Liquid	5.1	Collection, Storage, reuse within premises or Transportation, send to registers, re-refiners
10	Waste containing Oil, PPEs clothes etc.	Solid	5.2	Collection, Storage, reuse within premises or Transportation, send to registers\, re-refiners or CHWIF for incineration
11	Waste insulation materials	solid	X02	Collection, Storage, Transportation, send to common TSDF
12	Date expired and off-specification pesticides	29.3	29.3	Collection, Storage, Transportation. & send for Pre-Processing/ Co-processing to cement industry registered with XGN or CHWIF for incinerator.Collection, Storage, Transportation. & send for Pre-Processing/ Co-processing to cement industry registered with XGN or CHWIF for incinerator.

PART-G

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

- 150 KLD dedicated ETP plant having primary, secondary & tertiary treatment with online pH meter, Flow meter, Dissolved Oxygen meter facility.
- 300 KLD RO plant facilitry for recycle and reuse of ETP treated effluent and cooling tower blowdown effluent
- 1000 KLD CETP plant having primary, secondary & tertiary treatment with online pH meter, Flow meter, Data recorder, Dissolved Oxygen, Ammonical Nitrogen & COD/BOD/TSS analyzer facility.
- Effluent disposal in to dep sea off Dahej through GIDC effluent conveyance network & Vilayat - Dahej pipeline.
- Full fledged Laboratory facility for analysis of water, waste water, air & solid samples.
- Full fledged Occupational Health Centre & Ambulance.
- Incinerator for liquid effluent & process vent incineration with Waste Heat Recovery Boiler for steam generation in JIL SEZ. Incinerator is PLC based auto plant having scrubber & pack bad column for pollution control. Online Stack monitoring for emission measurement.
- ESP for pollution control in Boiler. Online Stack monitoring for emission measurement.
- Packaged STP for domestic effluent treatment & reuse in greenbelt / garden development.
- 20 Mtr. Width greenbelt on periphery with local and specific plants.
- Fire Hydrant System & Fire Tender for Emergency control.
- Rain water harvesting system in non process area.
- Hazardous Waste Storage shed with leachate collection facility.
- Regular stack, effluent, noise, work environment and ambient air monitoring.
- Annual Environmental Audit of Plant & CETP.
- Hazardous waste storage shed.
- Online Chlorine monitoring system.
- Online VOC monitoring system.
- Online pH control system with 3-way valve facility for diverting of treated effluent for retreatment in CETP.
- Facility for drums storage (drum yard).
- Hazardous waste storage shed expansion for storage of waste during monsoon season.
- Installation of centralise online data recording & monitoring system.
- Facility for storage of Insulation waste.
- Facility for storage of used PPEs waste.
- Facility available for drum decontamination.
- 1000 KL RCC buffer storage facility developed at CETP for storage of treated effluent incase of emergency.
- Flowmeter installtion in all effluent incoming lines and final outlet return line at CETP.
- Installation of online environmental parameters LED board at main gate.
- Installation of UV disinfection system in treated sewage outlet.
- Coprocessing of Hazardous waste
- Plantation of 4500 trees.
- Fly ash utilisation for bricks manufacturing/ construction use/ cement industry use etc.
- Above ground fire hydrant network to prevent water loss due to leakages.
- Plantation of 7500 trees.

PART-H

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

- Plantation of 6000 trees.
- Maximize Cement Co-processing of Hazardous wastes.
- Hazardous Waste storage facility will be developed in Unit-1 premises
- Upgradation of ETP Sludge drying & storage facility.
- ZLD facility development like MEE, RO plant for recycle of treated effluent.

PART-I

Any other particulars for improving the quality of environment

- Plantation of 6000 trees.
- Maximize Cement Co-processing of Hazardous wastes.
- Hazardous Waste storage facility will be developed in Unit-1 premises
- Upgradation of ETP Sludge drying & storage facility.
- ZLD facility development like MEE, RO plant for recycle of treated effluent.

Atul Sharma
Vice **President & Site Head - Bharuch**