



**JUBILANT
LIFESCIENCES**

GPCB ID NO. 22119
September 03, 2020

Reference: JLSL / EHS/ GPCB/ 19-20/03

To,
The Director,
Ministry of Environment, Forests & Climate Change
Regional Office (Western Region)
Kendriya Paryavaran Bhavan,
Link Road No.3, E-5, Ravi Shankar Nagar,
Bhopal - 462 016 (M.P.)

Subject: Submission of Environmental Statement Form – 'V' for the year 2019 - 20

Dear Sir,

Please find enclosed herewith Environmental Statement (Form - V) of our unit for the year 2019 – 20 along with EC compliance.

All information provided/submitted herewith is commercial confidential data/information, trade secrets and/or intellectual property(s) etc. of the Company or its group Companies. The Company humbly requests you to treat the data/information submitted herewith as "Strictly Confidential", and not to provide/discard/share any data/information to any third person/party as the same is exempted from disclosure under Section 8 of the Right to Information Act, 2005 ("RTI Act"). In the event of any person makes any application to you seeking any information about the Company, the Company requests you to please issue a prior written notice to the Company along with reasonable opportunity of representation to the Company as envisaged under Section 11(1) of the RTI Act. No disclosure of any data/information can be made to any third person/party without Company's consent under the provisions of the RTI Act.

Thanking you,

Yours truly
For JUBILANT LIFE SCIENCES LIMITED

Authorized Signatory
Gurish Khosla
Unit Head
Encl:

1. Form 'V'
2. Annexure A, B & C
3. Analysis reports of treated effluent & stacks.
4. Annexure D Environment Day Celebration
5. Annexure E EC/CCA compliance report

CC: Regional Officer, Gujarat Pollution Control Board, Vadodara

DMS
5-9-2020
G. P. C. Board
GERI Compound
Race Course, Vadodara.

A Jubilant Bhartia Company
A Jubilant Bhartia Company
OUR VALUES
OUR VALUES



Jubilant Life Sciences Limited
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CIN No. : L24116UP1978PLC004624
CIN No. : L24116UP1978PLC004624

Corporate Office:
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Fax: +91 120 2516628-30

Regd Office:
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FORM - V
(See Rule 14) *

From:

JUBULANT LIFE SCIENCES LIMITED
BLOCK – 133, SAVLI – JAROD ROAD
VILLAGE – SAMLAYA, TALUKA – SAVLI
DISTRICT – VADODARA
GUJARAT

To,

Gujarat Pollution Control Board
"Paryavaran Bhavan"
Sector – 10 A
GANDHINAGAR – 382 010

Environment Statement for the financial year ending the 31st March 2020.

PART – A

- | | | | |
|---------|---|---|--|
| (i) | Name and address of the owner /
Occupier of the industry operation
Or process | : | Shri Anant Pandey
(Whole time Director)
1A, Sector 16A
Institutional area, Noida UP |
| (ii) | Industry Category
Primary – (STD Code)
Secondary – (STD Code) | : | 134 / SIA / IMO / 2012 |
| (iii) | Production capacity units | : | Pl. Refer Annexure "C" |
| (iv) | Year of establishment | : | February, 1997(Jubilant Organosys Ltd.)
October, 2010 (Jubilant Life Sciences Ltd) |
| (v) | Date of the last Environmental
Statement submitted | : | 25 th September, 2019
for Jubilant Life Sciences Ltd. |

Submission of Environmental statement is in accordance with the provision Rules – 14 of the Environment (Protection), amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide, notification dated 22-4-1993 GSR. 386 (E) in the Gazette of India – Extraordinary – Part II section – 3 subsection (I), no. 155 dated 28-4-1993 by the ministry of Environment and Forest, Government of India; read with the notification dated 13-3-1993 GSR 329(E), of the Gazette of India- Extraordinary Part –II Section – 3 subsection (I) No. 120 dated 13-3-1993.

Every Person carrying on an industry, operation or process requiring Consent under section – 25 of the Water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under Section – 21 of the Air (Prevention & Control of pollution) Act, 1981 or both or authorization under the Hazardous Waste (Management and Handling) Rules, 1989 published under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an Environmental Statement for the financial year ending the 31st March in Form V to the concerned State Pollution Control Board on or before the thirtieth day of September every year, beginning 1993.



PART – B

Water and Raw material consumption

(1) Water Consumption M3/day

Process - 32.0 M3 /day

Cooling- 66.0 M3 / day

Domestic- 18.0 M3 / day

Gardening- 62.0 M3 /day

TOTAL- 178 M3 / day

Name of Product	Process water consumption per unit of product output	
	During the Previous Financial year	During the current financial year
	(1)	(2)

(1)

(2)

Please Refer Annexure – “A”

(3)

(ii) Raw Material Consumption

* Name of raw material	Name of product	Consumption of raw material per unit of output	
		During the Previous Financial year	During the current financial year

Please Refer Annexure – “B”

- Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.



PART – C

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

Pollutants	Quantity of Pollutants Discharged (Mass/day)	Concentration of pollutants in discharged (Mass/volume)	Percentage of variation from prescribed standards with Reasons
(a)	Water	Analysis reports are attached herewith	
(b)	Air	Analysis reports are attached herewith	

PART – D

HAZARDOUS WASTES

(As specified under Hazardous Waste (Management and Handling) Rules, 2016)

Hazardous Waste	Total Quantity (Kgs.)	
	During the previous Financial year	during the current financial year
(a) From process	56.42 MT	55.14 MT
(b) From pollution control facility (ETP) (From sludge drying bed)	0 MT	0 MT
(c) (1) Quantity recycled or re-utilized Within the unit (Used Oil)	0	0.82 MT
Discarded Containers	0	7.04 MT
(2) Solid	0.0	0.0
(3) Disposed to RSPL/BEIL		Disposed to NECL/ RSPL/BEIL

The unit has been granted CCA i.e. Consolidated Consent and Authorization for hazardous waste disposal by GPCB on March 2016, in the name of Jubilant Life Sciences limited. The CCA is valid up to 30th March 2021.



PART – E
Solid Waste

		Total Quantity (Kg)	
		During the previous Financial year	during the current financial year
(a)	From process	NIL	Nil
(b)	From pollution control facility (ETP) (From sludge drying bed)	Nil	Nil
(c)	(1) Quantity recycled or re-utilized Within the unit		
	(2) Solid (TSDF)	Nil	4.0 MT

PART – F

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

Process waste generated from the plant is collected in drum as well as solid bags and then disposed to RSPL- Panoli/ BEIL- Ankleshwar for pre-processing to co-processing. Solid waste from ETP sludge drying beds is collected into bags and then sent to Nandesari Environment Control Facility (NECL) - GIDC Nandesari (Survey no. 519/P), district Vadodara. This solid waste is generated as a result of Primary Treatment of Effluent in ETP.

PART – G

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

1. Installation of 15 KLD Sewage treatment plant and recycle the treated water to gardening purpose.
2. Upgradation of Utility RO plant to recycle 20 KLD of RO reject in process and reduce 20 KLD water consumption in utility process
3. Installation of steam condensate recovery system for recycle condensate to boiler.
4. Recycling of Reactor Jacket Water in to Cooling tower.
5. Recycling of Condensate water in to cooling tower.
6. A total of 1000 no's of tree i.e. Coconut- 130 nos. Gulmohar - 200, Neem – 350, Saptapni-100, Saru – 15, Bogan Wale – 180, Palto farm – 15 Kali Haran – 10 no's tree have planted across the unit.
7. Utility R.O. reject water is used in the scrubber of Boiler – HAG.



PART – H

Additional measure / investment proposal for environmental protection including abatement of pollution prevention of pollution.

1. Replacement work of highly corroded HCl Scrubber has been completed.
2. Installation of bag filter in dry plant to control dust nuisance in plant area.
3. The unit has installed **REVERSE OSMOSIS PLANT** (capacity 50.0 M3/Day) at the effluent treatment plant of Jubilant Life sciences Limited. The RO Plant is installed for further treatment of ETP Outlet. The permeate of R.O. plant is utilized in cooling tower for makeup purpose.
4. Every year on the occasion of “**World Environment Day**” i.e. on 5th June, Celebration is organized at our unit. Various environmental protection related activities such as tree Plantation etc. are carried out. Details of such activities are available in Annexure – D.
5. As a part to improve the green belt of the unit, the unit personnel planted the trees near Administration Department, at the boundary of Company, Security gate, Boiler – HAG Plant, Corn cob plant, ET Plant etc... A total of 1000 no's of trees were planted.
6. The treated effluent of the unit is sent to a Common Effluent Treatment facility known as Enviro Infrastructure Company Limited (EICL) situated at Umraya – Padra, District Vadodara through road tankers of an authorized transporter. The treated effluent conforms the stipulated discharge norms of Gujarat Pollution Control Board.
7. As a part of Company's “**CLIMATE CHANGE MITIGATION POLICY**” special awareness sessions were conducted on tree plantation for carbon sequestration, energy and water conservation at the unit as well as nearby villages.

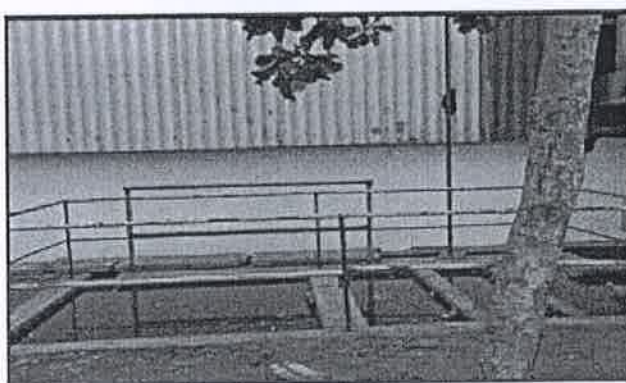


8. Some new improvement initiatives were taken in the year. The details of those initiatives is as mentioned below :

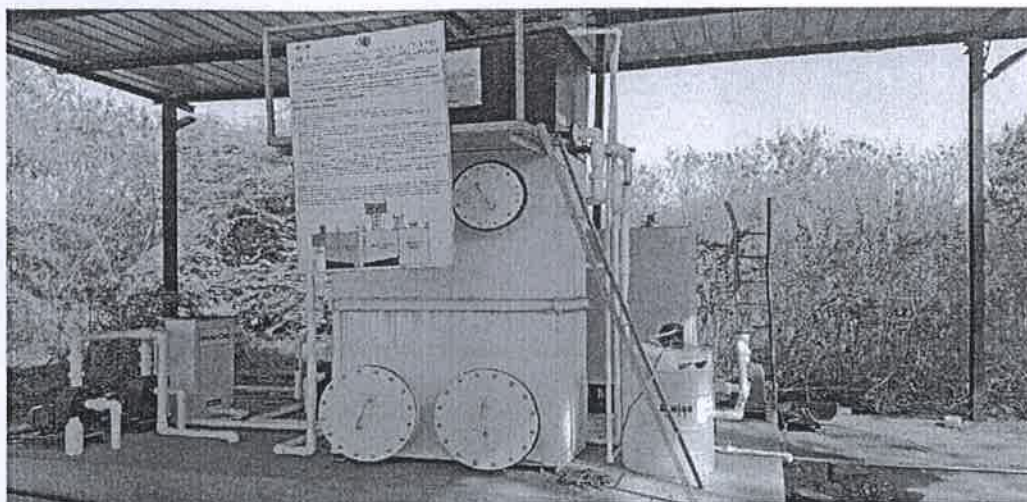
1. Installation of Piezo well with DWLR system for regular monitoring of ground water level :



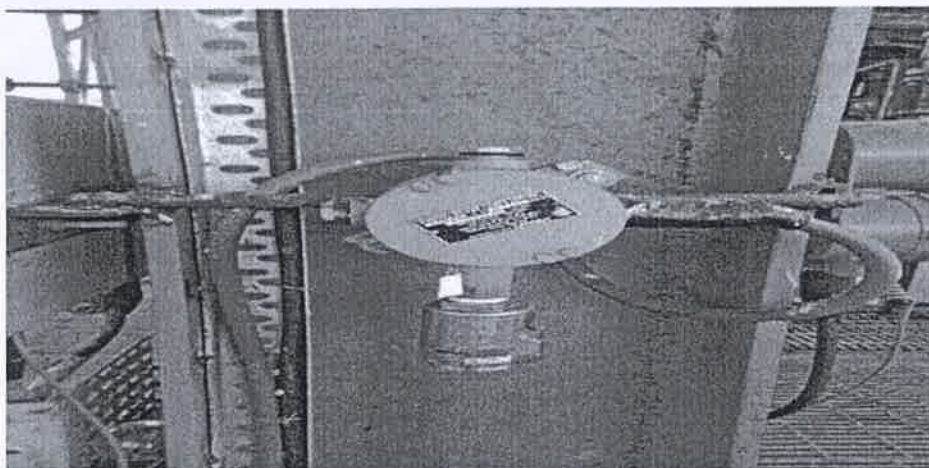
2. Installation scrubber pit at Boiler & HAG scrubber for the settlement of ash and due that reduction of water contaminant :



3. Installation of 15 KLD sewage treatment plant:



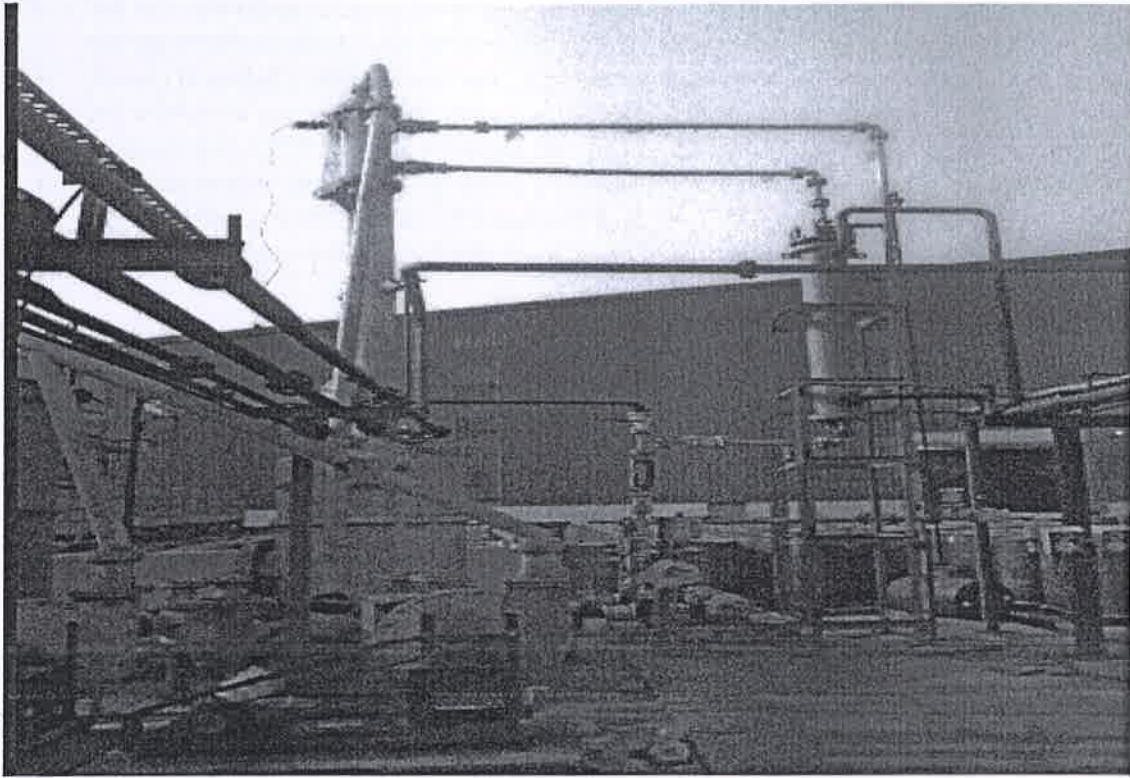
4. Online gas detection system for storage area and process area : 10 nos of HC detectors, EO detectors are installed in Storage and plant area.



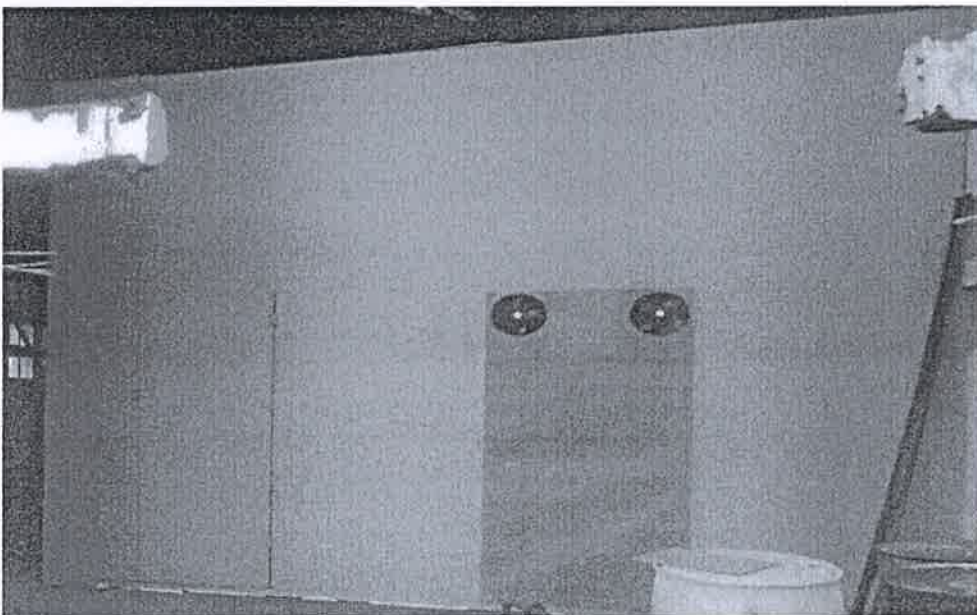
5. RO upgradation in Utility plant to reduce 20 KLD RO rejects and 20 KL water consumption.



8. Two stage scrubber installation for process vent in liquid Plant.



9. Acoustic Enclosure installed to DG System.



Following energy saving initiatives were also taken during the year. The details of the initiatives is as mentioned below:

- All the fans of the canteen have been provided with timers. This ensures the running of fans only during tea and dinning. This has resulted into the saving of 5 units of power/ day.
- Timers provided in all air condition for power saving.
- Installation of energy efficient motor in reactor and pump area.
- Upgradation of RO plant for reducing the effluent generation
- Installation of Magnetic Flowmeter to monitor the ground water consumption through Bore well.
- Fly ash Management System implementation.
- Bag Filter replacement in Corn cob Plant.



PART – I

Other particulars for improving the quality of the environment.

1. The unit has Atomic Absorption Spectrophotometer (Cost Rs. 20.67 Lacs), which is a useful device for analyzing heavy metals such as Lead, Chromium, Cyanide and Arsenic etc. in waste water.
2. Online COD, BOD, pH & TSS meter at final discharge at ETP.
3. Unit has developed Ammonical nitrogen test for Wastewater in QC lab.
4. The unit has a well-designed Rain Water Harvesting system located near the bore well. The catchment area of RWHS is 8245 Sq. M which covers the terrace of 2 buildings. The RWHS helps in improving ground water table after every monsoon.



(Signature of a person carrying out an Industry, operation or process)

Date:

Name

: Gurish Khosla

Designation

: Unit Head

Address

: Jubilant Life Sciences LTD.

Block 133, Savli- Jarod Road

Village – Samlaya Taluka – Savli

Dist. – VADODARA

