Jubilant Infrastructure Ltd. - SEZ, Vilayat (Gujarat)

Six Monthly Compliance report from July 2018 to December 2018

For the Environmental Clearance vide letter no. 21-1087/2007-I A III dtd. 03.07.2008

As on 29.01.2019

<table>
<tr><th>Sr. No.</th><th>Stipulation requirement</th><th>Compliance status</th></tr>
<tr><td></td><td><u>Specific Conditions</u></td><td></td></tr>
<tr><td>1</td><td>Solvent recovery plant shall be installed to recover the solvents & recovery shall not be less than 95 percent. All the solvents shall be handled in closed conditions and chillers shall be provided for chilled brine circulation to condense the solvents generated from the vents and in the work zone environment shall be monitored periodically & reports submitted to the SPCB, CPCB and Ministry's Regional Office.</td><td>Complied as detailed below.

Solvent recovery system is installed as an integral part of the process to recover the solvents wherein >95% of the solvent is recovered and recycled back to process.

All the solvents are handled in closed conditions (in-process). For storage tank vents, vent chillers are provided to condense the solvent vapors generated.

In reaction vessels, chilled brine circulation is provided to condense the solvents generated during the reaction and could escape from the vents.

Work zone environment is monitored monthly at various locations in the plant operational areas & reports are submitted to the GPCB, CPCB, Vadodara and Ministry's Regional Office, Bhopal along with six monthly EC compliance report. The summary of results for last six months is as below:

VOC monitoring in work environment
<table><tr><td>Location</td><td>Min.</td><td>Max.</td><td>Average</td></tr><tr><td>Niacinamide Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>3CP Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Near 3CP Hot Oil Tank</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>3CP Tank Farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>FC Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>FC Second floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Petroleum Storage Tanks</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Unit-2 PB1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Unit-2 PB2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Unit-2 Scrubber1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Unit-2 Scrubber2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Unit-2 Intermediate Tank farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Unit-2 Raw material Tank farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr><tr><td>Incinerator</td><td>BDL</td><td>BDL</td><td>BDL</td></tr></table>BDL: Below Detectable Limit. Sensitivity of the monitoring instrument is 1 ppm</td></tr>
</table>

<table>
<tr><td></td><td></td><td>Vent chillers
 

  </td></tr>
<tr><td>2</td><td>Volatile Organic Compounds (VOCs) shall be assessed, controlled and monitored in solvent storage areas and reports submitted to the SPCB/ CPCB and Regional Office of the Ministry.</td><td>Complied as detailed below.

Volatile Organic Compounds (VOCs) are provided with vent collection system connected to vent chillers where they are condensed and recovered. The VOC in ambient air is regularly assessed by monitoring the same and the VOC levels are controlled by ensuring good operation of the vent chilling system. The monitored reports are submitted to the GPCB/ CPCB and Regional Office of the Ministry, Bhopal.
The summary of results for last six months is as below:
VOC monitoring in work environment
<table>
<tr><td>Location</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>3CP Tank Farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Petroleum Storage Tanks</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Intermediate Tank farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
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<tr><td colspan="4">BDL: Below Detectable Limit Sensitivity of the monitoring instrument is 1 ppm</td></tr>
</table></td></tr>
<tr><td>3</td><td>The scrubbers shall be provided to control fugitive emissions in the workplace environment, product and raw material</td><td>Complied as detailed below.

The scrubbers are provided to control fugitive emissions in the workplace environment, product and raw material storage areas.

Online ammonia, VOC and chlorine detectors are installed at strategic locations for continuous monitoring of fugitive emissions.</td></tr>
</table>

	storage areas and regularly monitored.	Fugitive emissions are also regularly monitored under monthly workplace environment monitoring. The summary of results for last six months is as below:

Chlorine concentration (ppm)	**Min.**	**Max.**	**Average**
Chlorine tonner near Cooling tower	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber-1	BDL	BDL	BDL
Unit-2 Scrubber-2	BDL	BDL	BDL
Unit-2 Intermediate Tank Farm area	BDL	BDL	BDL
Unit-2 RM Tank Farm area	BDL	BDL	BDL
Unit-2 Chlorine Shed	BDL	BDL	BDL
UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 0.5 ppm			

Ammonia Concentration (ppm)	**Min.**	**Max.**	**Average**
Ammonia Tank Farm	BDL	BDL	BDL
Fine Chemical Plant Pipe Rack	BDL	BDL	BDL
Utility area	BDL	BDL	BDL
3CP ground floor	BDL	BDL	BDL
UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 25 ppm			

VOC monitoring in work environment

Location	Min.	Max.	Average
Niacinamide Ground floor	BDL	BDL	BDL
3CP Ground floor	BDL	BDL	BDL
Near 3CP Hot Oil Tank	BDL	BDL	BDL
3CP Tank Farm	BDL	BDL	BDL
FC Ground floor	BDL	BDL	BDL
FC Second floor	BDL	BDL	BDL
Petroleum Storage Tanks	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber1	BDL	BDL	BDL
Unit-2 Scrubber2	BDL	BDL	BDL
Unit-2 Intermediate Tank farm	BDL	BDL	BDL
Unit-2 Raw material Tank farm	BDL	BDL	BDL
Incinerator	BDL	BDL	BDL
BDL: Below Detectable Limit Sensitivity of the monitoring instrument is 1 ppm			

		Scrubbers    Ammonia detectors 

		Chlorine detectors   VOC analyzer  

<table>
<tr><td></td><td></td><td>  </td></tr>
<tr><td>4</td><td>Arrangements shall be made to control and monitor the odorous chemicals.</td><td>Complied as detailed below;
Odorous chemicals are handled through closed drums, containers and tankers and preferably transferred by pumping through closed pipeline directly to the consumption point in the reactors.
Pumps are provided with mechanical seal to prevent any leaks during operation.
The storage areas for odorous chemicals handled in drums are adequately ventilated.
The odorous chemicals handled in storage tanks are provided with tank vents and chilling unit for vent gases.
The reactor tanks where the odorous chemicals are used are provided with Chiller condensers and the vents are connected to scrubbers to ensure condensing any fugitive emissions.
Further, few of the odorous streams of gaseous emissions which cannot be condensed and recovered are directly transferred through pipeline for destruction in a gaseous incinerator.
Fugitive emissions are regularly monitored under monthly workplace environment monitoring.

The summary of results for last six months is as below:

<table>
<tr><th>Chlorine Concentration (ppm)</th><th>Min.</th><th>Max.</th><th>Average</th></tr>
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<tr><td>Unit-2 Scrubber-2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Intermediate Tank Farm area</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 RM Tank Farm area</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Chlorine Shed</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td colspan="4">UOM is PPM, Detection limit is up to 0.1 PPM,
TLV is 0.5 ppm</td></tr>
</table>
</td></tr>
</table>

Ammonia Concentration (ppm)	Min.	Max.	Average
Ammonia Tank Farm	BDL	BDL	BDL
Fine Chemical Plant Pipe Rack	BDL	BDL	BDL
Utility area	BDL	BDL	BDL
3CP ground floor	BDL	BDL	BDL
UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 25 ppm			

VOC monitoring in work environment

Location	Min.	Max.	Average
Niacinamide Ground floor	BDL	BDL	BDL
3CP Ground floor	BDL	BDL	BDL
Near 3CP Hot Oil Tank	BDL	BDL	BDL
3CP Tank Farm	BDL	BDL	BDL
FC Ground floor	BDL	BDL	BDL
FC Second floor	BDL	BDL	BDL
Petroleum Storage Tanks	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber1	BDL	BDL	BDL
Unit-2 Scrubber2	BDL	BDL	BDL
Unit-2 Intermediate Tank farm	BDL	BDL	BDL
Unit-2 Raw material Tank farm	BDL	BDL	BDL
Incinerator	BDL	BDL	BDL
BDL: Below Detectable Limit Sensitivity of the monitoring instrument is 1 ppm			

Incinerator

		Vent chillers  
5	The gaseous emissions (SO2, NOx, CO, VOC and HC) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed.	The gaseous emissions (SO2, NOx, CO, VOC and HC) and Particulate matter along with RSPM are regularly monitored through approved 3rd party and are complying with the standards prescribed. The summary of results for last six months is as below: Complied.

Stack	PM mg/Nm3			NOx ppm			SO2 mg/Nm3		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
Incinerator	12	22	16.8	9.1 mg/Nm3	14.5 mg/Nm3	11.22 mg/Nm3	1.0 mg/Nm3	1.8 mg/Nm3	1.34 mg/Nm3
Steam Boiler (28 TPH / 35TPH)	10	16	13.5	20.4	25.5	22.47	10.2	18.3	14.83
Gas Turbine -1	Not in operation			Not in operation			Not in operation		
Gas Turbine -2	Not in operation			Not in operation			Not in operation		
Gas Turbine -3	Not in operation			Not in operation			Not in operation		
Niacinamide (Unit-1)	10	15	12	Not Applicable			Not Applicable		
Ammonia Scrubber for Autoclave Reactor System (Unit-1)	Not Applicable			Not Applicable			Not Applicable		
Unit-1 Hot Oil unit	0	0	0	8	13	11	0	0	0
Unit-2 Hot Oil unit	0	0	0	10.5	13.8	11.55	0	0	0
Scrubber-1 of Unit-2	Not Applicable			Not Applicable			Not Applicable		
Scrubber-2 of Unit-2	Not Applicable			Not Applicable			Not Applicable		

Stack	HC mg/Nm3			HCL mg/Nm3			CL2 mg/Nm3			NH3 mg/Nm3		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
Incinerator	2	3	2.6	Not Detectable			Not Applicable			Not Applicable		
Steam Boiler (28 TPH / 35TPH)	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Gas Turbine -1	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Gas Turbine -2	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Gas Turbine -3	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Niacinamide (Unit-1)	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Ammonia Scrubber for Autoclave Reactor System (Unit-1)	Not Applicable			Not Applicable			Not Applicable			1.2	2.5	1.96
Unit-1 Hot Oil unit	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Unit-2 Hot Oil unit	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Scrubber-1 of Unit-2	Not Applicable			Not in operation at the time of sampling			Not in operation at the time of sampling			Not Applicable		
Scrubber-2 of Unit-2	Not Applicable			0.8	1.4	1.116	0.2	0.8	0.466	Not Applicable		

Sr. No.	Stack attached to	Parameter	Permissible Limit
1	Boilers, Gas Turbines	Particulate matter SO2 NOx	100 mg/NM3 100 ppm 50 ppm
2	Hot oil units,	Particulate matter SO2 NOx	100 mg/NM3 100 ppm 50 ppm
3	Incinerator	Particulate matter SO2 NOx HCl HC	50 mg/NM3 200 mg/NM3 400 mg/NM3 20 mg/NM3 15 mg/NM3
4	Emergency 410 KVA DG Set	Particulate matter SO2 NOx	150 mg/NM3 100 ppm 50 ppm
5	Niacinamide Spray Dryer Vent	Particulate matter	150 mg/NM3
6	Ammonia Scrubber	Ammonia	175 mg/NM3

6	All the solid/hazardous waste including ETP sludge shall be sent to Treatment, Storage and Disposal Facility (TSDF). The toxic/ hazardous solid and liquid waste shall be incinerated in incinerator.	Complied as detailed below; All the solid/hazardous waste including ETP sludge are sent to Treatment, Storage and Disposal Facility (TSDF) of M/s Bharuch Enviro Infrastructure Ltd. at Dahej & M/s Saurashtra Enviro Projects Pvt. Ltd. at Kutch. The toxic Liquid wastes are incinerated in the common Hazardous Waste Incinerator installed and operated by the SEZ operator Jubilant Infrastructure Limited, within the SEZ complex at Vilayat GIDC. All incinerable toxic solid Hazardous wastes are sent to GPCB authorized common incinerator facility at M/s Bharuch Enviro Infrastructure Ltd. at Ankleshwar, M/s Saurashtra Enviro projects Pvt. Ltd. at Kutch. & M/s Geohybrid Solution Pvt. Ltd. at Surat.

		Incinerator  BHARUCH ENVIRO INFRASTRUCTURE LIMITED Date 25/04/2013 To, **Jubilant Infrastructure Ltd. (Sez)** Plot No.5, Vilayat GIDC, Tal: Vagra, Dist: Bharuch. **Sub : Membership Certificate for Common Solid Waste Disposal Facility.** Dear Sir, We hereby certify that you have become member for the common Solid/Hazardous waste disposal facility of Bharuch Enviro Infrastructure Ltd., at GIDC, Ankleshwar. You have booked solid waste quantity of **40 MT/year**. You have also paid your capacity commitment charges. Your Membership No. is **Oth/331.** Waste will be accepted after submitting valid authorization of GPCB. Thanking you, Yours faithfully, **For BHARUCH ENVIRO INFRASTRUCTURE LTD.** **AUTHORISED SIGNATORY**
7	Liquid effluent emanating from different units will be treated to conform to the prescribed standards before discharge to common conveyance channel.	Liquid effluent generated from individual units within SEZ after primary treatment is transferred through pipeline to a Common ETP for final treatment to conform to the prescribed standards. Final treated effluent is discharged to common conveyance channel of GIDC for deep sea disposal. Online monitoring facility for pH, Ammonical Nitrogen, COD, BOD and TSS is provided for the final treated effluent and also Monthly monitoring is carried out through approved third party.

The summary of results of treated effluent analysis for last six months is as below:

Parameters	Unit	Min.	Max.	Average
pH	---	7.15	8	7.59
Temperature	°C	27	32	28.33
Color	Pt.Co.	5	15	9.67
Suspended Solid	mg/L	8	15	11.83
Oil & Grease	mg/L	ND	ND	ND
Phenolic Compound	mg/L	ND	ND	ND
Ammonical Nitrogen	mg/L	8.5	30.2	17.46
BOD (3 days 27 °C)	mg/L	40	65	47.5
COD	mg/L	135	208	170.33
Sulphides	mg/L	0.04	0.08	0.05
Copper	mg/L	0.11	0.14	0.12
Lead	mg/L	NIL	NIL	NIL
Mercury	mg/L	NIL	NIL	NIL
Total Chromium	mg/L	0.13	0.16	0.14
Hexavelent Chromium	mg/L	0.070	0.09	0.08
Nickle	mg/L	0.04	0.07	0.06
Zinc	mg/L	ND	ND	ND
Cadmium	mg/L	ND	ND	ND
Cyanide	mg/L	NIL	NIL	NIL
Arsenic	mg/L	ND	ND	ND
Fluorides	mg/L	0.03	0.12	0.06
nsecticides / Pesticides	mg/L	NIL	NIL	NIL
Selenium	mg/L	NIL	NIL	NIL
Boron	mg/L	NIL	NIL	NIL
Bio Assey Test	%	95	95	95

CETP

8 | Adequate measures will be taken to control fugitive emissions from the industries in SEZ.

Various measures are taken to control fugitive emissions from the industries in SEZ. Scrubbers & vent chillers are provided to reduce VoC emissions from process reactors and storage tanks. Online monitoring instruments are installed at strategic locations for Ammonia, Chlorine and VoC. Work place monitoring is done at 22 different places in the plant area for ammonia, chlorine & VOC based on likely presence of pollutants. Further, Ambient monitoring is done periodically through third party agencies.

The summary of results for last six months is as below:

Chlorine (ppm)	Min.	Max.	Average
Chlorine tonner near Cooling tower	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber-1	BDL	BDL	BDL
Unit-2 Scrubber-2	BDL	BDL	BDL
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UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 0.5 ppm			

Ammonia (ppm)	Min.	Max.	Average
Ammonia Tank Farm	BDL	BDL	BDL
Fine Chemical Plant Pipe Rack	BDL	BDL	BDL
Utility area	BDL	BDL	BDL
3CP ground floor	BDL	BDL	BDL
UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 25 ppm.			

VOC monitoring in work environment

Location	Min.	Max.	Average
Niacinamide Ground floor	BDL	BDL	BDL
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3CP Tank Farm	BDL	BDL	BDL
FC Ground floor	BDL	BDL	BDL
FC Second floor	BDL	BDL	BDL
Petroleum Storage Tanks	BDL	BDL	BDL

Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber1	BDL	BDL	BDL
Unit-2 Scrubber2	BDL	BDL	BDL
Unit-2 Intermediate Tank farm	BDL	BDL	BDL
Unit-2 Raw material Tank farm	BDL	BDL	BDL
Incinerator	BDL	BDL	BDL
BDL: Below Detectable Limit			

Sensitivity of the monitoring instrument is 1 ppm

Ambient air quality monitoring reports

	AAQM Station-1			AAQM Station-2			AAQM Station-3		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
PM2.5	20.5	24.5	21.87	21.5	25.8	23.27	24.1	30.5	26.38
PM10	45.5	50.5	48.15	45.5	51.5	49.02	48.5	55.3	52.05
SO2	10.2	11.5	10.95	10.5	12.5	11.57	11.2	12.5	11.95
NO2	16.7	20.5	18.63	17.3	22.5	20.43	19.3	22.5	20.52
NH3	1.2	1.8	1.44	0.8	1.2	0.92	0.7	2.5	1.33
CO	70	105	90.83	70	115	103.00	100	125	116.67

Sr. No.	Pollutant	Time Weighted Average	Permissible limit
1.	Sulphur Dioxide (SO_2), µg/ m^3	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO_2), µg/ m^3	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) OR PM_{10} µg/ m^3	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) OR $PM_{2.5}$ µg/m^3	Annual 24 Hours	40 60
5.	Carbon Monoxide (CO) mg/m^3	8 Hours 1 Hour	02 04
6.	Ammonia (NH_3) µg/m^3	Annual 24 Hours	100 400

Complied.

Scrubbers

Vent chillers

Ammonia detectors

Chlorine detectors

		VOC analyzer   
9	The noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noise monitoring is done monthly at five locations on periphery & records are maintained. The noise levels are below the permissible levels to comply with the prevalent regulations. The summary of results for last six months is as below:

Noise	Day time			Night time		
dB	Min.	Max.	Average	Min.	Max.	Average
Location-1	67.1	68.2	67.57	62.1	64.8	63.27
Location-2	64.1	66.5	65.3	63.2	64.3	63.72
Location-3	63.5	64.8	64.3	54.4	56.2	55.23
Location-4	65.1	66.5	65.58	54.3	55.5	54.68
Location-5	63.2	65.1	64.32	52.7	53.8	53.28

<table>
<tr><td></td><td></td><td>The permissible concentration of Noise in ambient air within the premises of industrial unit:
Between 6A.M. and 10P.M.: 75dB (A)
Between 10P.M, and 6A.M.: 70dB (A)

Complied.</td></tr>
<tr><td>10</td><td>Noise should be controlled to ensure that it does not exceed the prescribed standards.</td><td>All care is taken while selecting the equipment to ensure that noise does not exceed the prescribed standards. Noise mufflers and enclosures are provided for noise attenuation at source, as applicable. Noise monitoring is done monthly at five locations on periphery & records are maintained. The noise levels are below the permissible levels to comply with the prevalent regulations.

The summary of results for last six months is as below:

<table>
<tr><td>Noise</td><td colspan="3">Day time</td><td colspan="3">Night time</td></tr>
<tr><td>dB</td><td>Min.</td><td>Max.</td><td>Average</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>Location-1</td><td>67.1</td><td>68.2</td><td>67.57</td><td>62.1</td><td>64.8</td><td>63.27</td></tr>
<tr><td>Location-2</td><td>64.1</td><td>66.5</td><td>65.3</td><td>63.2</td><td>64.3</td><td>63.72</td></tr>
<tr><td>Location-3</td><td>63.5</td><td>64.8</td><td>64.3</td><td>54.4</td><td>56.2</td><td>55.23</td></tr>
<tr><td>Location-4</td><td>65.1</td><td>66.5</td><td>65.58</td><td>54.3</td><td>55.5</td><td>54.68</td></tr>
<tr><td>Location-5</td><td>63.2</td><td>65.1</td><td>64.32</td><td>52.7</td><td>53.8</td><td>53.28</td></tr>
</table>
The permissible concentration of Noise in ambient air within the premises of industrial unit:
Between 6A.M. and 10P.M.: 75dB (A)
Between 10P.M, and 6A.M.: 70dB (A)

Complied.</td></tr>
<tr><td>11</td><td>The STP/ CETP shall be installed for the treatment of sewage and trade effluent generated to the prescribed standards including odour and treated effluent will be re-cycled to the maximum extent possible for horticulture.</td><td>Decentralized modular design STP’s have been installed for the treatment of sewage generated to meet the prescribed standards and treated Sewage is utilized for horticulture within the plant area.

Trade effluents generated from individual units within SEZ are Primary treated within individual units and thereafter transferred through pipeline to a Common ETP for final treatment to conform to the prescribed standards. Final treated effluent is discharged to common conveyance channel of GIDC for deep sea disposal.

Every unit undertakes measures for Reuse and Recycle trade effluents within their process before discharging the effluents for final treatment and disposal at CETP located within the SEZ.

The summary of results of treated sewage water analysis for last six months is as below:

<table>
<tr><td rowspan="2">STP</td><td colspan="3">Suspended Solids mg/L</td><td colspan="3">BOD (3 days 27 ^{0}C) mg/L</td><td colspan="3">Residual Chloride ppm</td></tr>
<tr><td>Min.</td><td>Max.</td><td>Average</td><td>Min.</td><td>Max.</td><td>Average</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>STP -1</td><td>14</td><td>16</td><td>14.67</td><td>10</td><td>12</td><td>11</td><td>0.5</td><td>0.7</td><td>0.58</td></tr>
</table></td></tr>
</table>

STP -2	11	17	14.5	9	15	12.5	0.6	0.7	0.65
STP -3	13	16	14.5	8	12	10.33	0.5	0.7	0.58

Limit: SS=20 mg/l, BOD=30 mg/l

The summary of results of treated effluent analysis for last six months is as below:

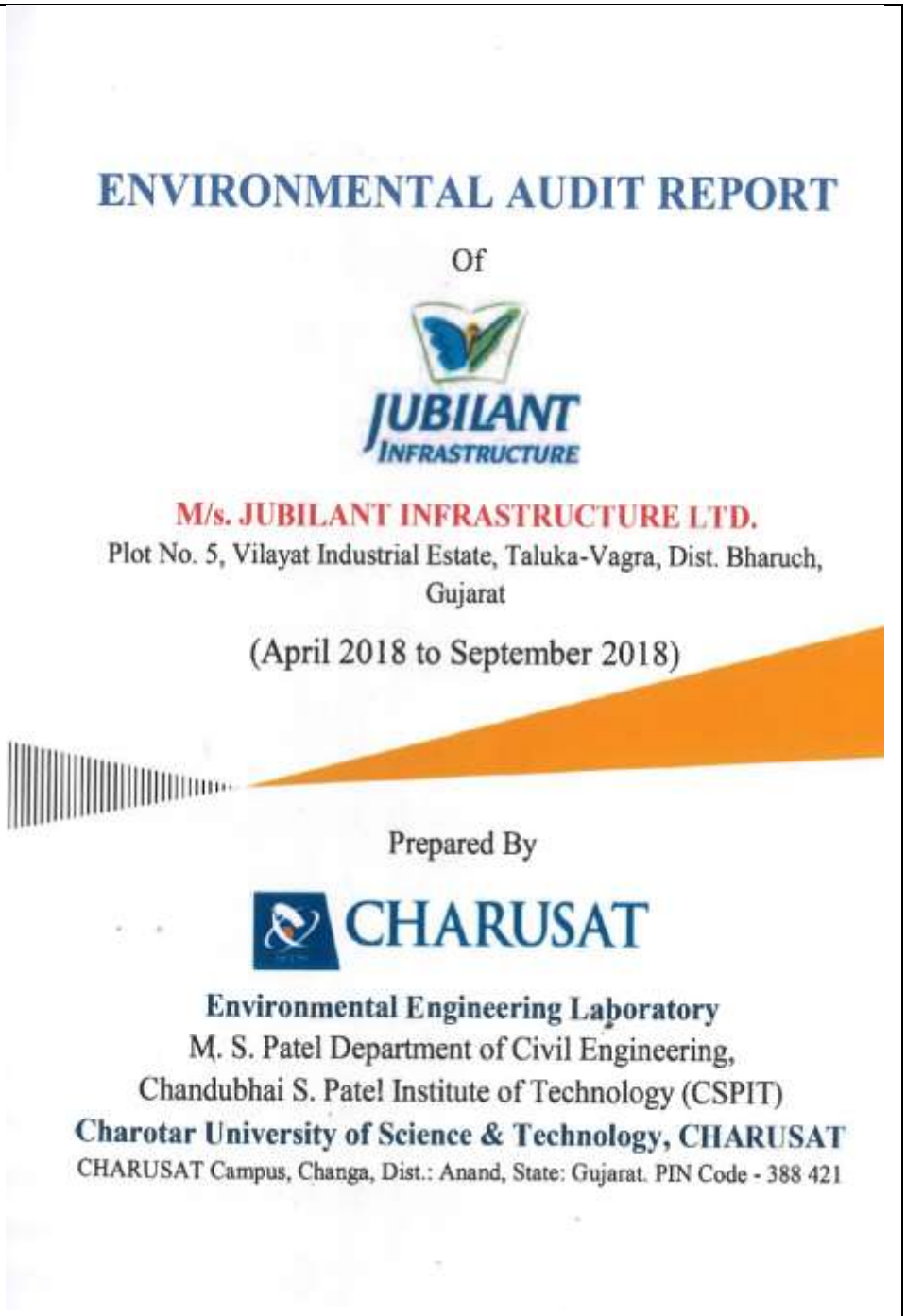
Parameters	Unit	Min.	Max.	Average
pH	---	7.15	8	7.59
Temperature	^{0}C	27	32	28.33
Color	Pt.Co.	5	15	9.67
Suspended Solid	mg/L	8	15	11.83
Oil & Grease	mg/L	ND	ND	ND
Phenolic Compound	mg/L	ND	ND	ND
Ammonical Nitrogen	mg/L	8.5	30.2	17.46
BOD (3 days 27 ^{o}C)	mg/L	40	65	47.5
COD	mg/L	135	208	170.33
Sulphides	mg/L	0.04	0.08	0.05
Copper	mg/L	0.11	0.14	0.12
Lead	mg/L	NIL	NIL	NIL
Mercury	mg/L	NIL	NIL	NIL
Total Chromium	mg/L	0.13	0.16	0.14
Hexavelent Chromium	mg/L	0.070	0.09	0.08
Nickle	mg/L	0.04	0.07	0.06
Zinc	mg/L	ND	ND	ND
Cadmium	mg/L	ND	ND	ND
Cyanide	mg/L	NIL	NIL	NIL
Arsenic	mg/L	ND	ND	ND
Fluorides	mg/L	0.03	0.12	0.06
Insecticides / Pesticides	mg/L	NIL	NIL	NIL
Selenium	mg/L	NIL	NIL	NIL
Boron	mg/L	NIL	NIL	NIL
Bio Assey Test	%	95	95	95

		Modular STP   **CETP**  

<table>
<tr><td>12</td><td>For disinfection of waste water ultra violet radiation shall be used in place of chlorination.</td><td>Chlorination is avoided and Hypo Chlorite solution is used for waste water treatment, as Ultra Violet radiation device for such small capacity of Modular STP are unviable. Further, the treated sewage is not discharged to any public sewerage and fully utilized within the premises for horticulture.</td></tr>
<tr><td>13</td><td>Rainwater harvesting and ground water recharging shall be practiced. Oil & Grease & Suspended matters shall be removed before its utilization for rainwater harvesting.</td><td>Rain water harvesting and ground water recharging is installed in non-process areas for rejuvenation of ground water. Further, rainwater harvested from the roof top of Utility building is directly used in cooling tower make up instead of recharging to ground, to prevent any industrial pollutants from recharging to ground. None of the roof top area of buildings in manufacturing plant is used for rainwater harvesting for ground water recharge, as they are likely to contain industrial pollutants settled from air emissions.
 
</td></tr>
<tr><td>14</td><td>The solid waste including biomedical and e-waste generated should be disposed off as per prevailing regulations.</td><td>Complied as detailed below.
• All e-waste generated are stored/disposed off as per prevailing regulations The Bio-medical waste generated is disposed off to authorized Biomedical waste management agency as per the BMW rules to M/s Globe Bio care. Records of Biomedical waste disposed is given below. All solid wastes that are contaminated with Hazardous chemicals are disposed to TSDF or Incinerator.
Bio Medical Waste disposal record - 2018
<table><tr><th>Month</th><th>Quantity in Yellow Bag (gram)</th><th>Quantity in Red Bag (gram)</th><th>Quantity in Puncture proof container (gram)</th><th>Total Quantity (gram)</th></tr><tr><td>Jan-18</td><td>1050</td><td>250</td><td>150</td><td>1450</td></tr><tr><td>Feb-18</td><td>800</td><td>100</td><td>200</td><td>1100</td></tr><tr><td>Mar-18</td><td>950</td><td>250</td><td>50</td><td>1250</td></tr><tr><td>Apr-18</td><td>950</td><td>100</td><td>150</td><td>1200</td></tr><tr><td>May-18</td><td>1150</td><td>300</td><td>200</td><td>1650</td></tr><tr><td>Jun-18</td><td>1400</td><td>150</td><td>200</td><td>1750</td></tr><tr><td>Jul-18</td><td>1050</td><td>100</td><td>50</td><td>1200</td></tr><tr><td>Aug-18</td><td>850</td><td>150</td><td>150</td><td>1150</td></tr><tr><td>Sep-18</td><td>800</td><td>100</td><td>150</td><td>1050</td></tr><tr><td>Oct-18</td><td>1000</td><td>150</td><td>100</td><td>1250</td></tr><tr><td>Nov-18</td><td>900</td><td>100</td><td>100</td><td>1100</td></tr><tr><td>Dec-18</td><td>850</td><td>200</td><td>50</td><td>1100</td></tr><tr><td>Total</td><td>11750</td><td>1950</td><td>1550</td><td>15250</td></tr></table></td></tr>
</table>

15	Adequate measures should be taken to prevent odour problem from solid waste processing plant as also from STP and incinerator.	Solid wastes are not processed in the facility and are instead disposed off to 3rd party approved TSDF / Incinerators'. Odors causing solid wastes are stored in drums in dedicated drum storage area and covered with lids to prevent release of VoC's causing odor. Voluminous inorganic hazardous wastes are stored in loose form in dedicated covered storage sheds and disposed off to TSDF. Package sewage treatment plants are installed at source of sewage generation and hence Odor issue is eliminated. All material handling at Incinerators are in closed containers and pipelines thereby prevents the release of odor causing vapors. Further, the incinerator operates at >99.9% destruction efficiency and is provided with sufficient stack height as per CPCB guidelines and thus prevents odor generation. **Drum storage shed:**  **Packaged STP** 

		
	General Conditions	**Compliance status**
1	The environmental safeguards contained in the EIA/EMP should be implemented in letter and spirit.	Environmental safeguards contained in EIA-EMP includes Scrubbers, ESP, bag filters, incinerator, ETP, STP, stack of adequate height, rain water harvesting, noise attenuators, Green Belt development, online monitoring. All the measures as detailed in the EIA –EMP report are implemented and are operating satisfactorily.
2	6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.	Complied. 6 monthly monitoring reports are regularly being sent to the Ministry and its Regional Office. The last report was sent on 24.07.2018.
3	Officials from the Regional Office of MOEF, Bhopal should be given full cooperation, facilities and documents data by the project proponents during their inspection.	Being complied and shall be continued as directed.
4	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.	The stipulations made by the SPCB are complied with. The compliance is regularly audited by the Schedule 1 auditor appointed by the GPCB. The last auditing by the Schedule 1 auditors was completed on September 2018 and report submitted to GPCB.

		
5	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry	In the case of any change(s) in the scope of the project, we will approach for a fresh appraisal by this Ministry. For change in scope JIL-SEZ has received EC amendment from MoEF&CC vide no. 21-1087/2077-IA.III dtd.31st March 2017 for including the manufacturing of Technical grade Pesticide and Pesticide Intermediates (Category 5b) with no increase in pollution load.
6	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB	Three Nos. of Ambient air quality monitoring locations has been finalized in consultation with the GPCB and the monitoring is carried out quarterly through 3rd party approved agencies for all criteria pollutants as given below. Ambient air quality monitoring reports

	AAQM Station-1			AAQM Station-2			AAQM Station-3		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
PM2.5	20.5	24.5	21.87	21.5	25.8	23.27	24.1	30.5	26.38
PM10	45.5	50.5	48.15	45.5	51.5	49.02	48.5	55.3	52.05
SO2	10.2	11.5	10.95	10.5	12.5	11.57	11.2	12.5	11.95
NO2	16.7	20.5	18.63	17.3	22.5	20.43	19.3	22.5	20.52
NH3	1.2	1.8	1.44	0.8	1.2	0.92	0.7	2.5	1.33
CO	70	105	90.83	70	115	103.00	100	125	116.67

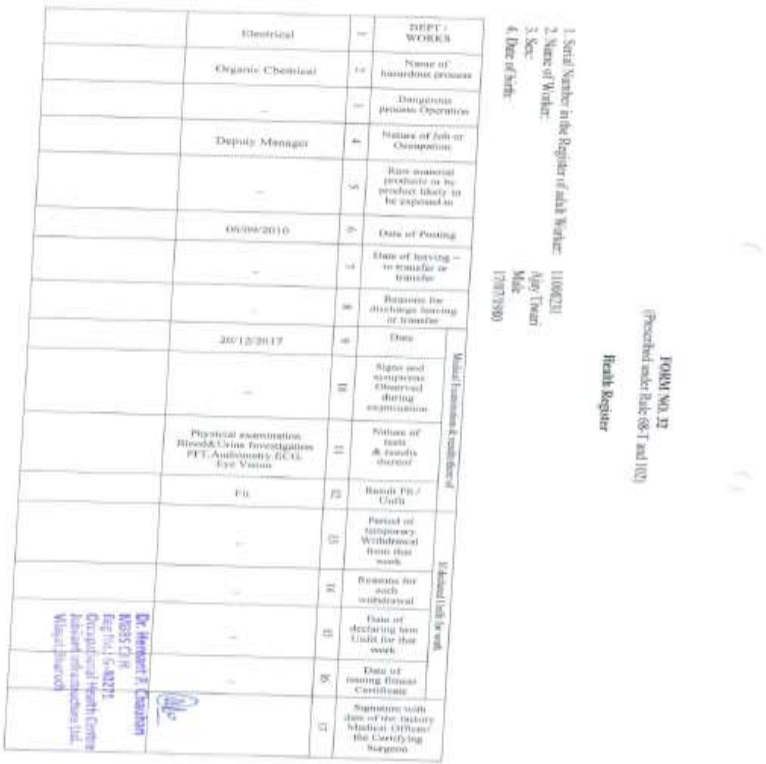
Sr. No.	Pollutant	Time Weighted Average	Permissible limit
1.	Sulphur Dioxide (SO_2), µg/ m^3	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO_2), µg/ m^3	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) OR PM_{10} µg/ m^3	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) OR $PM_{2.5}$ µg/m^3	Annual 24 Hours	40 60
5.	Carbon Monoxide (CO) mg/m^3	8 Hours 1 Hour	02 04
6.	Ammonia (NH_3) µg/m^3	Annual 24 Hours	100 400

7	Regular monitoring of ground water for all relevant parameters shall be periodically monitored and report shall be submitted to the concerned Regional Office of the Ministry, CPCB and SPCB.	Ground water quality is measured for major criteria parameters as given below. Report is submitted to the Regional Office of the Ministry, CPCB and SPCB along with our six monthly EC compliance report submission. Complied. The report of ground water analysis is as below.

		Ground Water Quality

Parameters	Unit	Post Monsoon October 2018					
		Peizowell-1	Peizowell-2	Peizowell-3	Peizowell-4	Peizowell-6	Vilayat Village
Taste	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Color	pt.co.	4	5	5	8	8	6
Odor	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
pH	---	8.31	7.94	8.14	7.28	7.34	7.84
Turbidity	NTU	1	2	2	3	3	2
Total Dissolved Solids	mg/L	615.5	598	946	2993	1905	855
Suspended Solids	mg/L	12	10	14	13	11	10
Conductivity	ms/cm	1515	1108.3	1654.6	577.6	3595.2	1354
Calcium (as Ca)	mg/L	156.5	148.2	171.1	395	260	185
Chloride (as Cl)	mg/L	235.5	117.7	187.5	1726.6	204.9	385
Copper (as Cu)	mg/L	0.78	0.22	0.08	0.06	0.22	0.12
Fluorides (as F)	mg/L	0.57	0.62	1.02	0.38	0.4	0.06
Free residual chlorine	mg/L	Nil	Nil	Nil	Nil	Nil	Nil
Iron (as Fe)	mg/L	0.077	0.051	0.022	0.098	0.065	0.055
Mineral Oil	mg/L	Nil	Nil	Nil	Nil	Nil	Nil
Magnesium (as Mg)	mg/L	16.8	12.1	78.4	90.8	22.1	28.7
Manganese (as Mn)	mg/L	0.01	N.D.	0.03	0.04	N.D.	N.D.
Nitrate (as NO3)	mg/L	25.5	15.3	17.3	65.5	17.2	18.3
Phenolic compounds (as C6H5OH	mg/L	0.02	N.D.	0.03	0.04	N.D.	N.D.
Sulphate (as SO4)	mg/L	22	15	164	180	212	24
Total alkalinity (as CaCO3)	mg/L	260	420	450	400	400	380
Total hardness (as CaCO3)	mg/L	460	420	750	1360	740	580
Sodium (as Na)	mg/L	321.4	276.5	141.4	560.3	348.6	365
Potassium (as K)	mg/L	3.5	3.5	3.6	4.6	4.1	2.8
Lead (as Pb)	mg/L	0.07	0.04	0.03	0.61	0.06	0.05
Cadmium	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium	mg/L	0.04	0.041	0.044	0.505	0.049	0.032
Zinc (as Zn)	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dissolve Oxygen	mg/L	5.1	5..8	5.5	5.3	5.5	6.1
Biochemical Oxygen Demand	mg/L	6.5	NIL	3.5	3	3.5	NIL
Chemical Oxygen Demand	mg/L	22	NIL	10	10	15	NIL
Total Coliforms	Counts /100ml	Absent	Absent	Absent	Absent	Absent	Absent
Fecal Coliforms	Counts /100ml	Absent	Absent	Absent	Absent	Absent	Absent

8	The project authorities shall strictly comply with guidelines of MSIHC rules, 1989 & its amendments. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.	Guidelines of MSIHC rules, 1989 & its amendments are strictly complied. The following Hazardous chemicals are stored in the SEZ for which the storage license has been obtained from PESO as per the MSIHC rules 1989 and its amendments. a) Ammonia – 271.92 M3 b) Petroleum (Methanol, Benzene, Xylene, MEK, Toluene, Acetone, n-Hexane) – 199.5 KL c) Chlorine – 134 nos. tonner d) Hydrogen – 270 nos. cylinders Further, no hazardous chemicals covered under MSIHC rules are manufactured or Imported by the JIL-SEZ. Authorization from the SPCB is obtained for collection, treatment, storage, and disposal of hazardous wastes. Authorization no. AWH 78814 is valid up to 05.05.2022.

9	The Ministry reserves the right to modify additional environmental safeguards subsequently, if found necessary. Environment Clearance granted will be revoked if it is found that false information has been given for approval of the project.	Noted.
10	Necessary permission shall be obtained from the State Fire Department for providing fire safety measures, If any forest land is involved in the proposed site, clearance under the Forest Conservation Act, 1980 from the Competent Authority shall be taken.	Plans are approved from office of Directorate of Industrial Safety & Health (DISH). All fire safety measures are taken as per approved plan. The SEZ of 107 Hac. is within the GIDC land, no forest land is involved. Hence, The Forest Conservation Act, 1980 does not apply.
11	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Occupational health surveillance of the workers is done on a regular basis at every six month and records maintained as per the Factories Act. A sample copy of the Occupational health surveillance parameters is given as below. 

12	The Company shall harvest rainwater from surface as well as from the rooftops of the buildings & storm water drains to recharge the ground water & use it for the various activities of the project to conserve fresh water.	Rain water harvesting and ground water recharging is installed in non-process areas for rejuvenation of ground water. Further, rainwater harvested from the roof top of Utility building is directly used in cooling tower make up instead of recharging to ground, to prevent any industrial pollutants from recharging to ground. None of the roof top area of buildings in manufacturing plant is used for rainwater harvesting for ground water recharge, as they are likely to contain industrial pollutants settled from air emissions. 
13	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.	Environmental safeguards contained in EIA-EMP includes Scrubbers, ESP, bag filters, incinerator, ETP, STP, stack of adequate height, rain water harvesting, noise attenuators, Green Belt development, online monitoring. All the measures as detailed in the EIA –EMP report are implemented and are operating satisfactorily.
14	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Under the company's CSR activities, various Eco development measures are undertaken in the neighboring community. Some of the activities includes green belt development, Community tree plantation programs, Environmental education to school children, Community awareness program on water conservation, waste segregation and organic waste composting. Further, Community Welfare measures are undertaken in the neighboring villages including medical camps, Drinking water facility, vocational trainings, children education & health awareness programs and camps, Infrastructure development, on a regular basis. A gist of such programs are as listed below,

CSR activity cost expenditure during July to Dec 2018 (Rs.)

Month	Health Care	Education	Livelihood	Trust Building Activities	Administrative Expenses	Total
July'2018	183460	87833	7500	0	7500	**286293**
August'18	183960	87833	0	10000	3500	**285293**
September'18	186960	139833	15000	29000	38500	**269460**
October'18	182960	97833	0	10000	3500	**294293**
November'18	182960	87933	0	0	7500	**278393**
December'18	199260	87933	0	30000	28500	**345693**
Total						**1759425**

Sr. No	Education	Health	Lively Hood	Rural development OR Trust building	Employees Engagements
1	Monthly meeting with CRC	OPD Mobile health services established and running effectively In 13 Villages covering with 15000 community people and 2500 Muskaan students	Computer Training program at four Muskaan school HP World On Wheel project.	Interface Meet ,Panchayat meeting ,Parents meeting ,CRC meeting NGO & Community Meetings at Thirteen villages smoothly going on for rural development	Swachhata Hi Seva , Plantation Programme on world Environment Day accomplished by the Unit Head , HOD's and all employees
2	Parents Teachers Meeting	Arranging yearly Blood Donation camp for our employees	Agriculture demonstration on wormi compost Farmer's field preparation for organic & cash crops.	Cement Benches for five villages	Unit Head Participated In annual Day celebration & HR head and PRO participated in Muskaan activities
3	Birth day Celebration & Muskaan children's Bank	Health service for Malnourishment & organizing counselling meeting on Mamta divas (Immunization day)is going on .	Discussion held with AVP CSR for Training on Tailoring .and support for garment making to the needy SHG	Community Park maintained & R.O filter Plant maintenance and support for water distribution at Vilayat	Contributions for Birth day Books and Planning Has been made for participation in Muskaan activities
4	Muskaan Regular Monthly Activities Sports ,Science exhibition ,	AID's Day celebrated in1st Dec'18	Training on computer for all village youth of two villages Kolauna & Vorasamni , 53 trained in Kolauna village	Planning held for Caram & Cricket tournament at Vilayat & Tracksuit distribution for Muskaan KHOKHO & Yoga team	Yearly Blood donation Camp planned for February 2019.





SHOT ON REDMI NOTE 5 PRO
AI DUAL CAMERA

SHOT ON REDMI NOTE 5 PRO
AI DUAL CAMERA

World on Wheels


	   	
15	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied. The Environment Management cell presently comprises 2 Nos. of Environment Engineers (B. E), 1 No. of MSc Chemistry graduates and 4 Nos. of staff and Labour force with a full-fledged environmental laboratory to carry out the Environmental Management and Monitoring Functions. Further, an Environment Specialist at the Company's Corporate office in Noida, Uttar Pradesh supports the environment management and improvement programs.
16	The open spaces inside the SEZ should be preferably landscaped and covered with vegetation of indigenous variety. Green belt of adequate width and density will be provided all around the periphery of the SEZ with local species.	The open spaces inside the SEZ is landscaped and covered with vegetation of indigenous variety. 26 acres of area along the periphery of the SEZ is developed into green belt. Till date, 11094 nos. of plants on the periphery & inside area are planted giving priority to local plant species such as Shirish, Neem, Gulmohar, Amaltash, Jamun, Saptaparni, Jacaranda, Peltoforum, Palash, Teak etc. Further, large areas of landscaping with lawns and exotic species are planted creating green islands in and around the manufacturing plant, administration building, Utility areas, Canteen and Fire stations, Customs control office, along the road sides, plant offices, etc,. An area of >15 acres of landscaping with green lawn and plantation are created till date in addition to the green belt development with large tree species. Details are as below:

Greenbelt plants details	
Plants	**Qty. (No.)**
Gulmohar (Delonix Regia/ Poinciana Regia)	2380
Bauhinia black (Orchid tree)	300
Azardirachtaindica (Neem)	1640
Amaltash (Cassia Fistula)	570
Jamun	525
Alstoniascholaris (Saptaparni)	730
Rain Tree (Shirish)	730
Blue Jacaranda	165
Fern tree	75
Peltoforum	1350
Palash	660
Teak	450
Palm tree	180
Champa (Plumeria)	150
Saru (Casuarina)	285
Bengali Baval (Babul)	290
Thespasiapopulea (Paras Pipal)	180
Fycus	50
Polyalthia pendula (Pendula asopalv - Ashoka)	160
Badam	100
Coconut tree (Cocos nucifera)	50
Borsali	24
Conocarpus	50
TOTAL	**11094**

Landscaping

Green belt on periphery

		 
17	The project authorities shall earmark adequate funds to implement the conditions stipulated by the MOEF as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	During the project phase, all the investment that were required for complying with the conditions stipulated in the Environmental clearance are made. Further to the same, presently during the operation phase, every year financial budget is allocated for operating the environmental facilities and also for improving the environmental performance. Such funds allocated are not diverted for any other activity/purpose. The annual environment budget for the SEZ to operate and maintain the environmental facilities is about Rs.1.1 Crore. Capital investment made for environment management over the past 3 years is about Rs.1.4 Crores.
18	The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/ SPCB/ CPCB. A six monthly compliance status report shall be	A six monthly compliance status report is regularly submitted to monitoring agencies like Regional Office of the Ministry/ SPCB/ CPCB and is also posted on the website of the Company. The last compliance report submitted was on 24.07.2018.

	submitted to monitoring agencies and shall be posted on the website of the Company.	
19	These stipulations would be enforced among others under the provisions of the Water Act, 1974, the Air act 1981, the Environment Protection Act, 1986 and Public Liability Insurance Act 1991.	The GPCB has granted Consent to Establish and Consent to Operate under the provisions of the Water Act, 1974, the Air act 1981 and the conditions stipulated therein are complied with. Further, JIL-SEZ has undertaken an insurance policy under the provisions of the Public Liability Insurance Act 1991. The compliance to the various consents issued by the GPCB are periodically audited and verified by Schedule 1 auditors nominated by the GPCB. The last such audit was completed on September 2018.
20	The project proponent shall enter in to MOU with all buyers of the plot to ensure operation and maintenance of the ETP/STP/CETP/TSDF etc.	Presently there are two manufacturing facilities installed in the SEZ that are operational since 2011 and 2013 respectively. The JIL-SEZ has entered in to MOU with these buyers of the plot to ensure operation and maintenance of the common facility Viz., CETP, Liquid Incinerator, Toxic gas incineration, Hazardous Waste storage facility, Facility for Effluent discharge to GIDC pipelines, Fire services, Canteen, Truck parking, Occupational Health Centre, etc. Similar MoU shall be entered into all buyers of land in the SEZ.
21	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers.	Complied. The advertisement for the Environmental Clearance issued was published in The Times of India and Gujarat Samachar dated 11.07.2008. A copy of Environmental Clearance was also submitted to GPCB. n AMC CC in the semifi- **ket Academy beat GCI** ır-based Base Cricket A- efeated GCI by three wick- SGVP Trophy on Thurs- after batting first, put on vers with Raj Gohel pick- . Base Academy secured a they made 107 in the 29th three wickets still in tact. rihar was the star of the his 64-ball 42.  storm into the women's doubles quarterfinals at the China Open Super Series Premier in Shanghai on Thursday. Jwala and Ashwini defeated Iris Wang and Rena Wang of America 21-9, 21-12. Earlier, Jwala and Valiyaveetil Diju suffered a 14-21, 14-21 loss against third seeds Joachim Fischer Nielsen and Christinna Pedersen of Denmark in the mixed doubles second round. In the quarters, Jwala-Ashwini face third seeds Mizuki Fujii and Reika Kakiiwa of Japan. TNN **Jubliant Infrastructure Limited-SEZ** Plot 5, GIDC, Vilayat, District- Bharuch, Gujarat. **PUBLIC NOTICE** This is to inform to the public that M/s Jubliant Infrastructure Limited-SEZ, Plot 5, GIDC, Vilayat, Dist. Bharuch has been accorded an amendment to their existing Environmental Clearance vide MOEF letter no. 21-1087/2007-IA.III dated 03.11.2011. The copy of the letter is available with Gujarat Pollution Control Board and on the website of the Ministry of Environment & Forest at http://envfor.nic.in. Place : Vilayat Date : 23.11.2011 RAVINDRA TIWARI SENIOR VICE PRESIDENT - SEZ

		
22	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act, 97.	Noted.

Compliance Report

For the EC amendment received vide letter No. 21-1087/2007-IA.III dtd. 03.11.2011

As on 29.01.2019

<table>
<tr><td>PART A</td><td>SPECIFIC CONDITIONS</td><td></td></tr>
<tr><td>I.</td><td>Construction Phase</td><td></td></tr>
<tr><td>(i)</td><td>Solvent recovery plant shall be installed to recover the solvents and recovery shall not be less than 95 percent. All the solvents shall be handled in closed conditions and chillers shall be provided for chilled brine circulation to condensate the solvent vapours and reduce solvent losses. The solvents generated from the vents and in the work zone the GPCB, CPCB and Ministry’s Regional Office at Bhopal.</td><td>Solvent recovery system is installed to recover the solvents.

It is a part of in-process recovery whereby above 95% is recovered & recycled into the process.

All the solvents are handled in closed conditions (in-process) and vent chillers are provided on the vent of solvent storage tanks & reaction vessels for chilled brine circulation to condensate the solvents generated from the vents.

Work zone environment is monitored monthly & reports are submitted to the GPCB. CPCB, Vadodara and Ministry’s Regional Office, Bhopal along with six monthly EC compliance report. The summary of results for last six months is as below:

<table>
<tr><th colspan="4">VOC monitoring in work environment</th></tr>
<tr><td>Location</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>Niacinamide Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>3CP Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Near 3CP Hot Oil Tank</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>3CP Tank Farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>FC Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>FC Second floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Petroleum Storage Tanks</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 PB1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 PB2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Scrubber1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Scrubber2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Intermediate Tank farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Raw material Tank farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Incinerator</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td colspan="4">BDL: Below Detectable Limit
Sensitivity of the monitoring instrument is 1 ppm</td></tr>
</table>

Complied.</td></tr>
</table>

<table>
<tr><td></td><td></td><td>Vent chillers
 
  </td></tr>
<tr><td>(ii)</td><td>Volatile Organic Compounds (VOCs) shall be assessed, controlled and monitored in solvent storage areas along-with other parameters and reports be submitted to the SPCB/CPCB and Regional Office of the Ministry</td><td>Volatile Organic Compounds (VOCs) is assessed, controlled and monitored in solvent storage areas and reports are submitted to the GPCB/ CPCB and Regional Office of the Ministry, Bhopal.
The summary of results for last six months is as below:
<table>
<tr><th colspan="4">VOC monitoring in work environment</th></tr>
<tr><td>Location</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>Niacinamide Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>3CP Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Near 3CP Hot Oil Tank</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>3CP Tank Farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>FC Ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>FC Second floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Petroleum Storage Tanks</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 PB1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 PB2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Scrubber1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Scrubber2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Intermediate Tank farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Raw material Tank farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
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<tr><td colspan="4">BDL: Below Detectable Limit
Sensitivity of the monitoring instrument is 1 ppm</td></tr>
</table>
Complied.</td></tr>
</table>

(iii) The scrubber shall be provided to control fugitive emissions in the workplace environment, product, raw material storage areas and regularly monitored.

The scrubbers are provided to control fugitive emissions in the workplace environment, product and raw material storage areas.

Fugitive emission is regularly monitored under monthly workplace environment monitoring.

The summary of results for last six months is as below:

Chlorine (ppm)	Min.	Max.	Average
Chlorine tonner near Cooling tower	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber-1	BDL	BDL	BDL
Unit-2 Scrubber-2	BDL	BDL	BDL
Unit-2 Intermediate Tank Farm area	BDL	BDL	BDL
Unit-2 RM Tank Farm area	BDL	BDL	BDL
Unit-2 Chlorine Shed	BDL	BDL	BDL
UOM is PPM, Detection limit is up to 0.1 PPM TLV is 0.5 ppm.			

Ammonia (ppm)	Min.	Max.	Average
Ammonia Tank Farm	BDL	BDL	BDL
Fine Chemical Plant Pipe Rack	BDL	BDL	BDL
Utility area	BDL	BDL	BDL
3CP ground floor	BDL	BDL	BDL
UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 25 ppm			

VOC monitoring in work environment

Location	Min.	Max.	Average
Niacinamide Ground floor	BDL	BDL	BDL
3CP Ground floor	BDL	BDL	BDL
Near 3CP Hot Oil Tank	BDL	BDL	BDL
3CP Tank Farm	BDL	BDL	BDL
FC Ground floor	BDL	BDL	BDL
FC Second floor	BDL	BDL	BDL
Petroleum Storage Tanks	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber1	BDL	BDL	BDL

Unit-2 Scrubber2	BDL	BDL	BDL
Unit-2 Intermediate Tank farm	BDL	BDL	BDL
Unit-2 Raw material Tank farm	BDL	BDL	BDL
Incinerator	BDL	BDL	BDL
BDL: Below Detectable Limit Sensitivity of the monitoring instrument is 1 ppm			

Online ammonia, VOC and chlorine detectors are installed.

Complied.

Scrubbers

		Ammonia detectors  Chlorine detectors   VOC analyzer 

<table>
<tr><td></td><td></td><td> 

 </td></tr>
<tr><td>(iv)</td><td>Arrangements shall be made to control and monitor the odorous chemicals.</td><td>Arrangements are made to control and monitor the odorous chemicals. Vent chillers are provided on the vent of storage tanks & reaction vessels. Odorous gaseous stream is taken to incinerator for incineration. Fugitive emission is regularly monitored under monthly workplace environment monitoring.

The summary of results for last six months is as below:

<table>
<tr><th>Chlorine (ppm)</th><th>Min.</th><th>Max.</th><th>Average</th></tr>
<tr><td>Chlorine tonner near Cooling tower</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
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<tr><td colspan="4">UOM is PPM, Detection limit is up to 0.1 PPM
TLV is 0.5 ppm</td></tr>
</table></td></tr>
</table>

Ammonia (ppm)	Min.	Max.	Average
Ammonia Tank Farm	BDL	BDL	BDL
Fine Chemical Plant Pipe Rack	BDL	BDL	BDL
Utility area	BDL	BDL	BDL
3CP ground floor	BDL	BDL	BDL
UOM is PPM, Detection limit is up to 0.1 PPMLV is 25 ppm			

VOC monitoring in work environment			
Location	Min.	Max.	Average
Niacinamide Ground floor	BDL	BDL	BDL
3CP Ground floor	BDL	BDL	BDL
Near 3CP Hot Oil Tank	BDL	BDL	BDL
3CP Tank Farm	BDL	BDL	BDL
FC Ground floor	BDL	BDL	BDL
FC Second floor	BDL	BDL	BDL
Petroleum Storage Tanks	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber1	BDL	BDL	BDL
Unit-2 Scrubber2	BDL	BDL	BDL
Unit-2 Intermediate Tank farm	BDL	BDL	BDL
Unit-2 Raw material Tank farm	BDL	BDL	BDL
Incinerator	BDL	BDL	BDL
BDL: Below Detectable Limit Sensitivity of the monitoring instrument is 1 ppm			

Complied.

Vent chillers

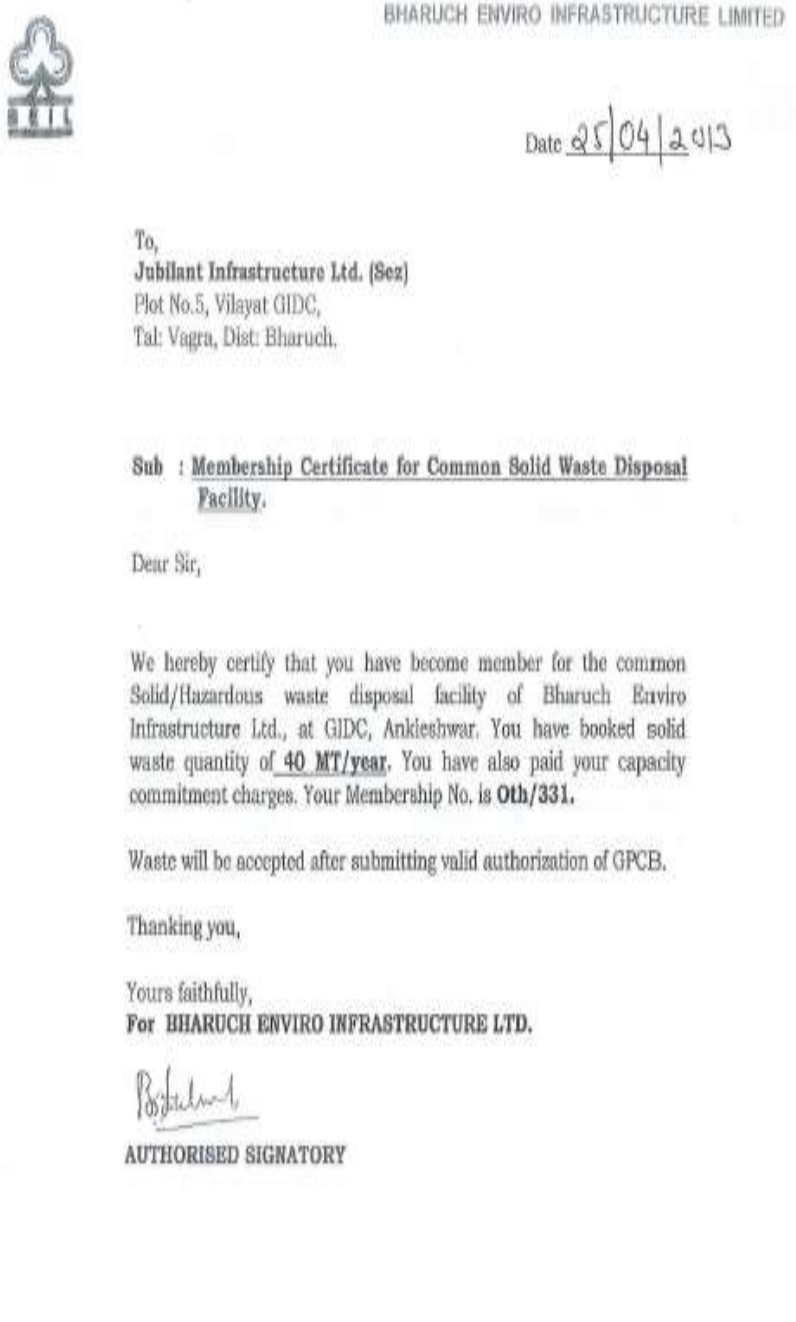
		 **Incinerator** 
(v)	The gaseous emissions (SO2, NOx, CO, VOC and HC) and particulate matter along with the RSPM levels from various process units shall confirm to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control systems(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	The gaseous emissions (SO2, NOx, CO, VOC and HC) and Particulate matter along with RSPM levels from various process units conform to the standards prescribed. Monthly stack monitoring through approved third party is carried out. In the event of failure of pollution control systems(s) adopted by the unit, the respective unit is not restarted until the control measures are rectified to achieve the desired efficiency. The summary of results for last six months is as below: Complied.

Stack	PM mg/Nm3			NOx ppm			SO2 mg/Nm3		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
Incinerator	12	22	16.8	9.1 mg/Nm3	14.5 mg/Nm3	11.22 mg/Nm3	1.0 mg/Nm3	1.8 mg/Nm3	1.34 mg/Nm3
Steam Boiler (28 TPH / 35TPH)	10	16	13.5	20.4	25.5	22.47	10.2	18.3	14.83
Gas Turbine -1	Not in operation			Not in operation			Not in operation		
Gas Turbine -2	Not in operation			Not in operation			Not in operation		
Gas Turbine -3	Not in operation			Not in operation			Not in operation		
Niacinamide (Unit-1)	10	15	12	Not Applicable			Not Applicable		
Ammonia Scrubber for Autoclave Reactor System (Unit-1)	Not Applicable			Not Applicable			Not Applicable		
Unit-1 Hot Oil unit	0	0	0	8	13	11	0	0	0
Unit-2 Hot Oil unit	0	0	0	10.5	13.8	11.55	0	0	0
Scrubber-1 of Unit-2	Not Applicable			Not Applicable			Not Applicable		
Scrubber-2 of Unit-2	Not Applicable			Not Applicable			Not Applicable		

Stack	HC mg/Nm3			HCL mg/Nm3			CL2 mg/Nm3			NH3 mg/Nm3		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
Incinerator	2	3	2.6	Not Detectable			Not Applicable			Not Applicable		
Steam Boiler (28 TPH / 35TPH)	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Gas Turbine -1	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Gas Turbine -2	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Gas Turbine -3	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Niacinamide (Unit-1)	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Ammonia Scrubber for Autoclave Reactor System (Unit-1)	Not Applicable			Not Applicable			Not Applicable			1.2	2.5	1.96
Unit-1 Hot Oil unit	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Unit-2 Hot Oil unit	Not Applicable			Not Applicable			Not Applicable			Not Applicable		
Scrubber-1 of Unit-2	Not Applicable			Not in operation at the time of sampling			Not in operation at the time of sampling			Not Applicable		
Scrubber-2 of Unit-2	Not Applicable			0.8	1.4	1.116	0.2	0.8	0.466	Not Applicable		

Sr. No.	Stack attached to	Parameter	Permissible Limit
1	Boilers, Gas Turbines	Particulate matter SO_2 NO_x	100 mg/NM^3 100 ppm 50 ppm
2	Hot oil units,	Particulate matter SO_2 NO_x	100 mg/NM^3 100 ppm 50 ppm
3	Incinerator	Particulate matter SO_2 NO_x HCl HC	50 mg/NM^3 200 mg/NM^3 400 mg/NM^3 20 mg/NM^3 15 mg/NM^3
4	Emergency 410 KVA DG Set	Particulate matter SO_2 NO_x	150 mg/NM^3 100 ppm 50 ppm
5	Niacinamide Spray Dryer Vent	Particulate matter	150 mg/NM3
6	Ammonia Scrubber	Ammonia	175 mg/NM3

(vi)	All the solid/hazardous waste including ETP sludge shall be sent to treatment, storage and disposal facility (TSDF). The toxic/hazardous solid and liquid waste shall be incinerated in incinerator.	All the solid/hazardous waste including ETP sludge are sent to Treatment, Storage and Disposal Facility (TSDF) of M/s Bharuch Enviro Infrastructure Ltd. at Dahej & M/s Saurashtra Enviro Projects Pvt. Ltd. at Kutch. The toxic/ hazardous solid and liquid waste are incinerated in incinerator. Non-biodegradable liquid wastes are incinerated in the Incinerator installed and operated by the JIL-SEZ operator. All other Solid and liquid Hazardous wastes are sent to GPCB authorized common disposal facility for disposal of M/s Bharuch Enviro Infrastructure Ltd. at Ankleshwar & M/s Saurashtra Enviro Projects Pvt. Ltd. at Kutch. Complied. **Incinerator** 

		 BHARUCH ENVIRO INFRASTRUCTURE LIMITED Date 25/04/2013 To, **Jubilant Infrastructure Ltd. (Sez)** Plot No.5, Vilayat GIDC, Tal: Vagra, Dist: Bharuch. **Sub : Membership Certificate for Common Solid Waste Disposal Facility.** Dear Sir, We hereby certify that you have become member for the common Solid/Hazardous waste disposal facility of Bharuch Enviro Infrastructure Ltd., at GIDC, Ankleshwar. You have booked solid waste quantity of **40 MT/year**. You have also paid your capacity commitment charges. Your Membership No. is **Oth/331.** Waste will be accepted after submitting valid authorization of GPCB. Thanking you, Yours faithfully, **For BHARUCH ENVIRO INFRASTRUCTURE LTD.** **AUTHORISED SIGNATORY**
(vii)	Liquid effluent emanating from different units will be treated to confirm to the prescribed standards before discharging to common conveyance channel which will be connected to the ETP.	Liquid effluent emanating from different units within SEZ is treated in Common ETP to conform to the prescribed standards and discharged to common conveyance channel of GIDC. Monthly monitoring through approved third party is carried out. The summary of results of treated effluent analysis for last six months is as below:

Parameters	Unit	Min.	Max.	Average
pH	---	7.15	8	7.59
Temperature	^{0}C	27	32	28.33
Color	Pt.Co.	5	15	9.67
Suspended Solid	mg/L	8	15	11.83
Oil & Grease	mg/L	ND	ND	ND
Phenolic Compound	mg/L	ND	ND	ND
Ammonical Nitrogen	mg/L	8.5	30.2	17.46
BOD (3 days 27 ^{o}C)	mg/L	40	65	47.5
COD	mg/L	135	208	170.33
Sulphides	mg/L	0.04	0.08	0.05
Copper	mg/L	0.11	0.14	0.12
Lead	mg/L	NIL	NIL	NIL
Mercury	mg/L	NIL	NIL	NIL
Total Chromium	mg/L	0.13	0.16	0.14
Hexavelent Chromium	mg/L	0.070	0.09	0.08
Nickle	mg/L	0.04	0.07	0.06
Zinc	mg/L	ND	ND	ND
Cadmium	mg/L	ND	ND	ND
Cyanide	mg/L	NIL	NIL	NIL
Arsenic	mg/L	ND	ND	ND
Fluorides	mg/L	0.03	0.12	0.06
Insecticides / Pesticides	mg/L	NIL	NIL	NIL
Selenium	mg/L	NIL	NIL	NIL
Boron	mg/L	NIL	NIL	NIL
Bio Assey Test	%	95	95	95

Online monitoring of pH, Ammonical Nitrogen, COD, BOD and TSS are done before discharge to common conveyance channel.

Complied.

CETP

<table>
<tr><td></td><td></td><td>  </td></tr>
<tr><td>(viii)</td><td>Adequate measures will be taken to control fugitive emissions from the industries in SEZ.</td><td>Adequate measures are taken to control fugitive emissions from the industries in SEZ. Scrubbers & vent chillers are provided. Work place monitoring is done at 22 places in the plant area for ammonia, chlorine & VOC based on likely presence of pollutants & through online monitors for ammonia, chlorine & VOC. Ambient monitoring is done through third party.

The summary of results for last six months is as below:

<table>
<tr><th>Chlorine (ppm)</th><th>Min.</th><th>Max.</th><th>Average</th></tr>
<tr><td>Chlorine tonner near Cooling tower</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 PB1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 PB2</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Scrubber-1</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
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<tr><td>Unit-2 Intermediate Tank Farm area</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 RM Tank Farm area</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Unit-2 Chlorine Shed</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td colspan="4">UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 0.5 ppm</td></tr>
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<table>
<tr><th>Ammonia (ppm)</th><th>Min.</th><th>Max.</th><th>Average</th></tr>
<tr><td>Ammonia Tank Farm</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Fine Chemical Plant Pipe Rack</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>Utility area</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td>3CP ground floor</td><td>BDL</td><td>BDL</td><td>BDL</td></tr>
<tr><td colspan="4">UOM is PPM, Detection limit is up to 0.1 PPM, TLV is 25 ppm</td></tr>
</table>
</td></tr>
</table>

VOC monitoring in work environment			
Location	Min.	Max.	Average
Niacinamide Ground floor	BDL	BDL	BDL
3CP Ground floor	BDL	BDL	BDL
Near 3CP Hot Oil Tank	BDL	BDL	BDL
3CP Tank Farm	BDL	BDL	BDL
FC Ground floor	BDL	BDL	BDL
FC Second floor	BDL	BDL	BDL
Petroleum Storage Tanks	BDL	BDL	BDL
Unit-2 PB1	BDL	BDL	BDL
Unit-2 PB2	BDL	BDL	BDL
Unit-2 Scrubber1	BDL	BDL	BDL
Unit-2 Scrubber2	BDL	BDL	BDL
Unit-2 Intermediate Tank farm	BDL	BDL	BDL
Unit-2 Raw material Tank farm	BDL	BDL	BDL
Incinerator	BDL	BDL	BDL
BDL: Below Detectable Limit Sensitivity of the monitoring instrument is 1 ppm			

Ambient air quality monitoring reports

	AAQM Station-1			AAQM Station-2			AAQM Station-3		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
PM2.5	20.5	24.5	21.87	21.5	25.8	23.27	24.1	30.5	26.38
PM10	45.5	50.5	48.15	45.5	51.5	49.02	48.5	55.3	52.05
SO2	10.2	11.5	10.95	10.5	12.5	11.57	11.2	12.5	11.95
NO2	16.7	20.5	18.63	17.3	22.5	20.43	19.3	22.5	20.52
NH3	1.2	1.8	1.44	0.8	1.2	0.92	0.7	2.5	1.33
CO	70	105	90.83	70	115	103.00	100	125	116.67

Sr. No.	Pollutant	Time Weighted Average	Permissible limit
1.	Sulphur Dioxide (SO_2), µg/ m^3	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO_2), µg/ m^3	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) OR PM_{10} µg/ m^3	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) OR $PM_{2.5}$ µg/m^3	Annual 24 Hours	40 60
5.	Carbon Monoxide (CO) mg/m^3	8 Hours 1 Hour	02 04
6.	Ammonia (NH_3) µg/m^3	Annual 24 Hours	100 400

Complied.

		Scrubbers    **Vent chillers** 

Ammonia detectors

Chlorine detectors

		VOC analyzer   
(ix)	Internal road widths within the SEZ be minimum 24 m ROW.	Internal road widths within the SEZ are as per approved layout plan of SEZ by competent authorities of Govt. of Gujarat. 

		 
(x)	Common facilities such as repair shops, rest rooms for drivers and attendants.	Rest room & convenience for drivers & attendants is provided. 

		
(xi)	2% of the project shall be earmarked for CSR activities.	2% of the capital budget of the JIL-SEZ project is earmarked for the CSR activity and the same has been appropriately invested in various CSR activities that are ongoing in the neighboring villages. Under the company's CSR activities, various Eco development measures are undertaken in the neighboring community. Some of the activities includes green belt development, Community tree plantation programs, Environmental education to school children, Community awareness program on water conservation, waste segregation and organic waste composting. Further, Community Welfare measures are undertaken in the neighboring villages including medical camps, Drinking water facility, vocational trainings, children education & health awareness programs and camps, Infrastructure development, on a regular basis. A gist of such programs are as listed below,

CSR activity cost expenditure during July to Dec 2018 (Rs.)

Month	Health Care	Education	Livelihood	Trust Building Activities	Administrative Expenses	Total
July'2018	183460	87833	7500	0	7500	**286293**
August'18	183960	87833	0	10000	3500	**285293**
September'18	186960	139833	15000	29000	38500	**269460**
October'18	182960	97833	0	10000	3500	**294293**
November'18	182960	87933	0	0	7500	**278393**
December'18	199260	87933	0	30000	28500	**345693**
Total						**1759425**

Sr. No	Education	Health	Lively Hood	Rural development OR Trust building	Employees Engagements
1	Monthly meeting with CRC	OPD Mobile health services established and running effectively In 13 Villages covering with 15000 community people and 2500 Muskaan students	Computer Training program at four Muskaan school HP World On Wheel project.	Interface Meet ,Panchayat meeting ,Parents meeting ,CRC meeting NGO & Community Meetings at Thirteen villages smoothly going on for rural development	Swachhata Hi Seva , Plantation Programme on world Environment Day accomplished by the Unit Head , HOD's and all employees
2	Parents Teachers Meeting	Arranging yearly Blood Donation camp for our employees	Agriculture demonstration on wormi compost Farmer's field preparation for organic & cash crops.	Cement Benches for five villages	Unit Head Participated In annual Day celebration & HR head and PRO participated in Muskaan activities
3	Birth day Celebration & Muskaan children's Bank	Health service for Malnourishment & organizing counselling meeting on Mamta divas (Immunization day)is going on .	Discussion held with AVP CSR for Training on Tailoring .and support for garment making to the needy SHG	Community Park maintained & R.O filter Plant maintenance and support for water distribution at Vilayat	Contributions for Birth day Books and Planning Has been made for participation in Muskaan activities
4	Muskaan Regular Monthly Activities Sports ,Science exhibition ,	AID's Day celebrated in1st Dec'18	Training on computer for all village youth of two villages Kolauna & Vorasamni , 53 trained in Kolauna village	Planning held for Caram & Cricket tournament at Vilayat & Tracksuit distribution for Muskaan KHOKHO & Yoga team	Yearly Blood donation Camp planned for February 2019.





SHOT ON REDMI NOTE 5 PRO
AI DUAL CAMERA

SHOT ON REDMI NOTE 5 PRO
AI DUAL CAMERA

World on Wheels

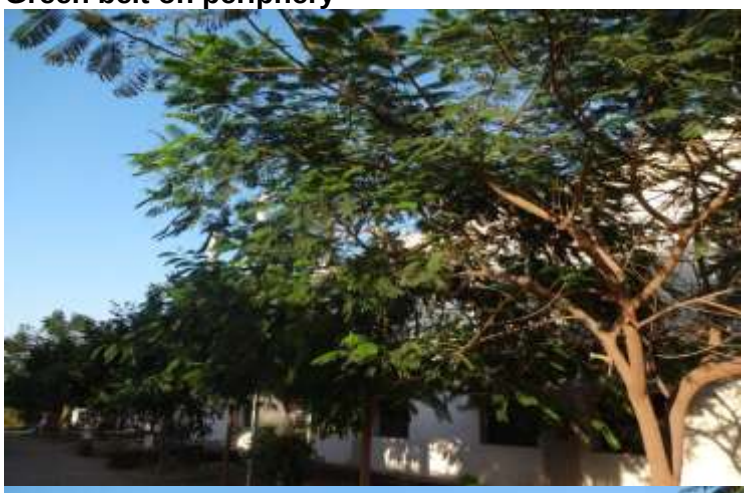

	   	
(xii)	MOU duly covering environmental legal framework for disposal of effluents with GIDC shall entered and the copy shall be submitted to MOEF and State PCB.	Environmental legal framework for disposal of effluents has been signed with GIDC and the copy has been submitted to MOEF and State PCB. A copy of the same is given below. **GIDC Drainage Regulations 1990** **Gujarat Industrial Development Corporation** **NOTIFICATION** GUJARAT INDUSTRIAL DEVELOPMENT ACT, 1962 No. GIDC/ENG/(PH)/LAW/AMD 17 :- In exercise of the powers conferred by subsection (1) of Section 54 of the Gujarat Industrial Development Act, 1962 (Guj. XXIII of 1962) and with the previous approval of the State Government the Gujarat Industrial Development Corporation hereby makes the following Regulations (1990) namely. 1 **Short Title** : These Regulations may be called the Gujarat Industrial Development Corporation Drainage Regulations, 1990. 2 **Application** : They shall apply to all the industrial estates of the Corporation and units located in the said estates in respect of all matters concerning the drainage system and effluent discharge system of the said units. 3 **Definitions** : In these Regulations, unless the context specifically indicates otherwise the meaning of the terms used shall be as under : (a) "The Corporation" means the Gujarat Industrial Development Corporation. (b) "Industrial Estate" means the Industrial Estate of the Corporation. (c) "Persons" means any individual, firm, Company, Association, Society, Corporation or a group (d) "Sewer" means a pipe or conduit or other construction provided for carrying sewage. (e) "Building Sewer" means the sewer under the control of the property owner and extending from the building to the first inspection chamber of manhole in Corporations land. (f) "Public Sewer" means sewer in which all owners of abutting properties may discharge and which is controlled by the Corporation. (g) "Sanitary Sewers" means a sewer which carries sewage and to which storm, surface, and ground waters are not initially admitted. (h) "Storm Sewer" means sewer which carries storm and surface waters and drainage but excludes sewage and industrial wastes. (i) "Combined Sewer" means a sewer receiving both sewage and surface runoff. (j) "Sewage" means a combination of the water carried wastes from residences, Business buildings, institutions and industrial establishments together with such ground surface and storm waters as may be present. (k) "Industrial Wastes" (Effluent) means the liquid wastes for industrial manufacturing process, trade, business or from any development, recovery or processing operation, as distinct from sanitary sewage. This shall not include solid wastes whatsoever. Dy. Ex. Engineer Drainage Sub Division G.I.D.C., Bharuch.

<table>
<tr><td>(xiii)</td><td>Proper meters with recording facility shall be provided to monitor the effluent sent from the member industries to CETP and from CETP to the final effluent pipeline of GIDC on daily basis.</td><td>Complied. Proper meters with recording facility has been provided to monitor the effluent sent from the member industries to CETP and from CETP to the final effluent pipeline of GIDC on daily basis. The total quantity of effluents discharged to the GIDC pipeline is within the approved limit of 1000 KLD and the quality of the treated effluents comply with the stipulated standards.</td></tr>
<tr><td>(xiv)</td><td>Member industries shall treat the effluent to meet the CETP inlet norms stipulated under EP Act provisions.</td><td>Effluents from various units within SEZ is treated in common ETP and discharged to common conveyance channel of GIDC after meeting the norms specified by GPCB. Monthly monitoring through approved third party is carried out.
The summary of results of treated effluent analysis for last six months is as below:
<table>
<tr><th>Parameters</th><th>Unit</th><th>Min.</th><th>Max.</th><th>Average</th></tr>
<tr><td>pH</td><td>---</td><td>7.15</td><td>8</td><td>7.59</td></tr>
<tr><td>Temperature</td><td>°C</td><td>27</td><td>32</td><td>28.33</td></tr>
<tr><td>Color</td><td>Pt.Co.</td><td>5</td><td>15</td><td>9.67</td></tr>
<tr><td>Suspended Solid</td><td>mg/L</td><td>8</td><td>15</td><td>11.83</td></tr>
<tr><td>Oil & Grease</td><td>mg/L</td><td>ND</td><td>ND</td><td>ND</td></tr>
<tr><td>Phenolic Compound</td><td>mg/L</td><td>ND</td><td>ND</td><td>ND</td></tr>
<tr><td>Ammonical Nitrogen</td><td>mg/L</td><td>8.5</td><td>30.2</td><td>17.46</td></tr>
<tr><td>BOD (3 days 27 °C)</td><td>mg/L</td><td>40</td><td>65</td><td>47.5</td></tr>
<tr><td>COD</td><td>mg/L</td><td>135</td><td>208</td><td>170.33</td></tr>
<tr><td>Sulphides</td><td>mg/L</td><td>0.04</td><td>0.08</td><td>0.05</td></tr>
<tr><td>Copper</td><td>mg/L</td><td>0.11</td><td>0.14</td><td>0.12</td></tr>
<tr><td>Lead</td><td>mg/L</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
<tr><td>Mercury</td><td>mg/L</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
<tr><td>Total Chromium</td><td>mg/L</td><td>0.13</td><td>0.16</td><td>0.14</td></tr>
<tr><td>Hexavelent Chromium</td><td>mg/L</td><td>0.070</td><td>0.09</td><td>0.08</td></tr>
<tr><td>Nickle</td><td>mg/L</td><td>0.04</td><td>0.07</td><td>0.06</td></tr>
<tr><td>Zinc</td><td>mg/L</td><td>ND</td><td>ND</td><td>ND</td></tr>
<tr><td>Cadmium</td><td>mg/L</td><td>ND</td><td>ND</td><td>ND</td></tr>
<tr><td>Cyanide</td><td>mg/L</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
<tr><td>Arsenic</td><td>mg/L</td><td>ND</td><td>ND</td><td>ND</td></tr>
<tr><td>Fluorides</td><td>mg/L</td><td>0.03</td><td>0.12</td><td>0.06</td></tr>
<tr><td>Insecticides / Pesticides</td><td>mg/L</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
<tr><td>Selenium</td><td>mg/L</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
<tr><td>Boron</td><td>mg/L</td><td>NIL</td><td>NIL</td><td>NIL</td></tr>
<tr><td>Bio Assey Test</td><td>%</td><td>95</td><td>95</td><td>95</td></tr>
</table>
Complied.
CETP
  </td></tr>
</table>

		
(xv)	Provisions shall be made to reuse MEE condensate as committed by PP. Suitable metering for measurement of the quantity of reuse shall be provided	MEE condensate is being utilized in the manufacturing process & is reused to the maximum extent. Metering for measurement of the quantity of reuse is provided and monitored daily.
(xvi)	A greenbelt of minimum width of 20 m shall be developed all around the project.	The open spaces inside the SEZ is landscaped and covered with vegetation of indigenous variety. 26 acres of area along the periphery of the SEZ is developed into green belt. Till date, 11094 nos. of plants on the periphery & inside area are planted giving priority to local plant species such as Shirish, Neem, Gulmohar, Amaltash, Jamun, Saptaparni, Jacaranda, Peltoforum, Palash, Teak etc. Further, large areas of landscaping with lawns and exotic species are planted creating green islands in and around the manufacturing plant, administration building, Utility areas, Canteen and Fire stations, Customs control office, along the road sides, plant offices, etc. An area of >15 acres of landscaping with green lawn and plantation are created till date in addition to the green belt development with large tree species. Details are as below:

Greenbelt plants details	
Plants	**Qty. (No.)**
Gulmohar (Delonix Regia/ Poinciana Regia)	2380
Bauhinia black (Orchid tree)	300
Azardirachtaindica (Neem)	1640
Amaltash (Cassia Fistula)	570
Jamun	525
Alstoniascholaris (Saptaparni)	730
Rain Tree (Shirish)	730
Blue Jacaranda	165
Fern tree	75
Peltoforum	1350
Palash	660
Teak	450
Palm tree	180
Champa (Plumeria)	150
Saru (Casuarina)	285
Bengali Baval (Babul)	290
Thespasiapopulea (Paras Pipal)	180
Fycus	50
Polyalthia pendula (Pendula asopalv - Ashoka)	160
Badam	100
Coconut tree (Cocos nucifera)	50
Borsali	24
Conocarpus	50
TOTAL	**11094**

Green belt on periphery



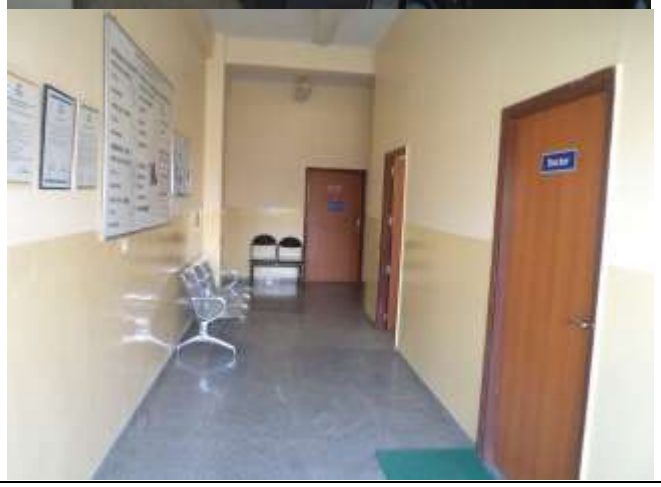
		  

		  
(xvii)	Solar lighting in the non-process area shall be provided.	Installed solar lighting of 10 KW capacity in non-process area and further 50 KW capacity installation scheme is ready & under approval.
(xviii)	Parking space to accommodate 300 trucks, 150 cars, 200 two wheelers and 400 bicycles shall be provided	Adequate parking space to accommodate 300 trucks, 150 cars, 200 two wheelers and 400 bicycles is provided in the SEZ at main gate to prevent use of public space.

	as presented by the project proponent	**Parking area**  
(xix)	Online monitoring system shall be provided at the outlet of ETP for critical parameters in consultation with SPCB.	Online monitoring systems for COD, BOD, TSS, Ammonical Nitrogen, flow & pH are provided at the outlet of ETP for critical parameters meeting requirements of SPCB. Complied. **Online COD, BOD, pH, SS & Ammonical Nitrogen** 

		Online Flow meter  **Online pH meter**  **Data Recorder** 
(xx)	Continuous VOC monitors at SEZ periphery at three locations shall be provided in consultation with SPCB:	Continuous VOC monitors are provided at SEZ periphery at three locations 

		 
(xxi)	"Consent for Establishment" shall be obtained from Gujarat State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.	"Consent for Establishment" was obtained from Gujarat State Pollution Control Board under Air and Water Act before start of project work at the site. On completion of the construction, GPCB has granted Consent to Operate to the facility.
(xxii)	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Necessary infrastructure facilities are provided in the housing of construction labors at the time of construction phase. The housing was in the form of temporary structures & had been removed after the completion of the project. Presently, there are no labors residing within the SEZ complex.
(xxiii)	A First Aid Room will be provided in the project both during construction and operation of the project.	Occupational health Centre has been established in the SEZ with FMO, round the clock male nurse & ambulance. Complied.

		 
(xxiv)	All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site.	All the topsoil excavated during construction activities was stored & used in horticulture/landscape development within the project site.
(xxv)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Complied. The Project was a green field project and Hence, no such construction muck was generated. However, adequate care is taken during any construction activity.to dispose the muck inside the premises for leveling low lying area without creating any adverse effect on the neighboring communities. Suitable precautions are taken for general safety and health aspects of people.

(xxvi)	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Periodically the Soil and ground water samples are tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. Complied. Analysis report is as below:

Soil Quality		
Parameters	Unit	Result
Electric Conductivity (EC)	ms	9.8
pH	---	8.12
Nitrogen	%	0.56
Phosporus	%	1.81
Potassium	%	0.06
Sulphate	%	3.8
Chloride	%	2.3
Sodium Adsorption Ratio (SAR)	---	2.7
Bulk Density	w/v	0.52
Water holding capacity	ml/mg	1.2
Texture	---	Clay
Sand Content of Soil	%	3.05
Silt Content of Soil	%	12.8
Clay Content of Soil	%	50.3

Ground Water Quality							
Parameters	Unit	Post Monsoon October 2018					
		Peizowell-1	Peizowell-2	Peizowell-3	Peizowell-4	Peizowell-6	Vilayat Village
Taste	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Color	pt.co.	4	5	5	8	8	6
Odor	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
pH	---	8.31	7.94	8.14	7.28	7.34	7.84
Turbidity	NTU	1	2	2	3	3	2
Total Dissolved Solids	mg/L	615.5	598	946	2993	1905	855
Suspended Solids	mg/L	12	10	14	13	11	10
Conductivity	ms/cm	1515	1108.3	1654.6	577.6	3595.2	1354
Calcium (as Ca)	mg/L	156.5	148.2	171.1	395	260	185
Chloride (as Cl)	mg/L	235.5	117.7	187.5	1726.6	204.9	385
Copper (as Cu)	mg/L	0.78	0.22	0.08	0.06	0.22	0.12
Fluorides (as F)	mg/L	0.57	0.62	1.02	0.38	0.4	0.06
Free residual chlorine	mg/L	Nil	Nil	Nil	Nil	Nil	Nil
Iron (as Fe)	mg/L	0.077	0.051	0.022	0.098	0.065	0.055
Mineral Oil	mg/L	Nil	Nil	Nil	Nil	Nil	Nil
Magnesium (as Mg)	mg/L	16.8	12.1	78.4	90.8	22.1	28.7
Manganese (as Mn)	mg/L	0.01	N.D.	0.03	0.04	N.D.	N.D.
Nitrate (as NO3)	mg/L	25.5	15.3	17.3	65.5	17.2	18.3
Phenolic compounds (as C6H5OH	mg/L	0.02	N.D.	0.03	0.04	N.D.	N.D.
Sulphate (as SO4)	mg/L	22	15	164	180	212	24
Total alkalinity (as CaCO3)	mg/L	260	420	450	400	400	380
Total hardness (as CaCO3)	mg/L	460	420	750	1360	740	580
Sodium (as Na)	mg/L	321.4	276.5	141.4	560.3	348.6	365
Potassium (as K)	mg/L	3.5	3.5	3.6	4.6	4.1	2.8
Lead (as Pb)	mg/L	0.07	0.04	0.03	0.61	0.06	0.05
Cadmium	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium	mg/L	0.04	0.041	0.044	0.505	0.049	0.032
Zinc (as Zn)	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dissolve Oxygen	mg/L	5.1	5..8	5.5	5.3	5.5	6.1
Biochemical Oxygen Demand	mg/L	6.5	NIL	3.5	3	3.5	NIL
Chemical Oxygen Demand	mg/L	22	NIL	10	10	15	NIL
Total Coliforms	Counts /100ml	Absent	Absent	Absent	Absent	Absent	Absent
Fecal Coliforms	Counts /100ml	Absent	Absent	Absent	Absent	Absent	Absent

<table>
<tr><td>(xxvii)</td><td>Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.</td><td>Construction spoils, including bituminous material and other hazardous materials, were stored & handled properly & not allowed to contaminate watercourses so that they do not leach into the ground water. During the operation phase, all such hazardous wastes are safely stored in designated places and disposed off to authorized 3rd party TSDF as per the HWM rules.</td></tr>
<tr><td>(xxviii)</td><td>Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Gujarat State Pollution Control Board.</td><td>No hazardous wastes are generated during construction phase. Membership of authorized disposal agency is taken for disposal of hazardous wastes, if any will be generated during construction work in future and operation phase.</td></tr>
<tr><td>(xxix)</td><td>The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.</td><td>Complied during the construction phase and dismantled thereafter.</td></tr>
<tr><td>(xxx)</td><td>The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.</td><td>The diesel stored for DG sets are below the threshold quantity for seeking approval from CCOE (PESO) and hence not applicable. Due to small quantity of usage, no underground storage constructed.</td></tr>
<tr><td>(xxxi)</td><td>Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.</td><td>We have a checklist for vehicle entering the site to ensure that they are of good condition & have PUC certificate to conform to applicable air and noise emission standards.</td></tr>
<tr><td>(xxxii)</td><td>Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ GSPCB.</td><td>Ambient noise levels conform to residential standards both during day and night. There was no increase in pollution loads on the ambient air. Noise quality is closely monitored. Though major project construction work is over, adequate measures are taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ GPCB.

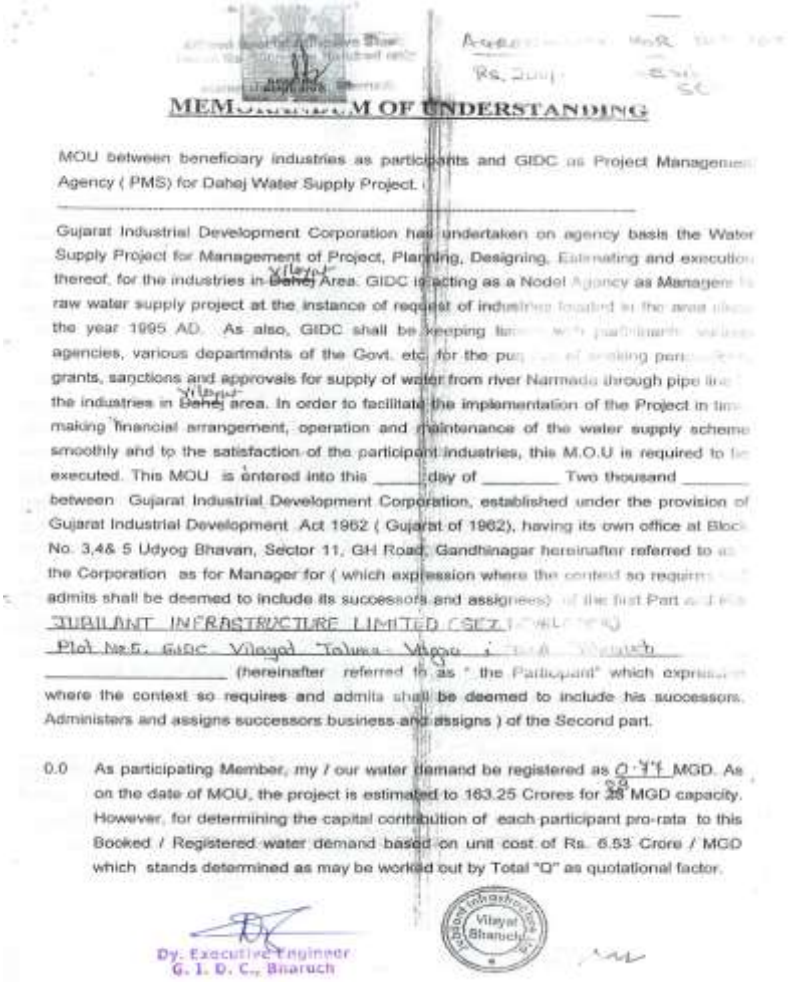
Complied.

Summary of reports is as below:
<table>
<tr><td>Noise</td><td colspan="3">Day time</td><td colspan="3">Night time</td></tr>
<tr><td>dB</td><td>Min.</td><td>Max.</td><td>Average</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>Location-1</td><td>67.1</td><td>68.2</td><td>67.57</td><td>62.1</td><td>64.8</td><td>63.27</td></tr>
<tr><td>Location-2</td><td>64.1</td><td>66.5</td><td>65.3</td><td>63.2</td><td>64.3</td><td>63.72</td></tr>
<tr><td>Location-3</td><td>63.5</td><td>64.8</td><td>64.3</td><td>54.4</td><td>56.2</td><td>55.23</td></tr>
<tr><td>Location-4</td><td>65.1</td><td>66.5</td><td>65.58</td><td>54.3</td><td>55.5</td><td>54.68</td></tr>
<tr><td>Location-5</td><td>63.2</td><td>65.1</td><td>64.32</td><td>52.7</td><td>53.8</td><td>53.28</td></tr>
</table></td></tr>
</table>

<table>
<tr><td></td><td></td><td>The permissible concentration of Noise in ambient air within the premises of industrial unit:
Between 6A.M. and 10P.M.: 75dB (A)
Between 10P.M, and 6A.M.: 70dB (A)

Ambient air quality monitoring reports

<table>
<tr><td></td><td colspan="3">AAQM Station-1</td><td colspan="3">AAQM Station-2</td><td colspan="3">AAQM Station-3</td></tr>
<tr><td></td><td>Min.</td><td>Max.</td><td>Average</td><td>Min.</td><td>Max.</td><td>Average</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>PM2.5</td><td>20.5</td><td>24.5</td><td>21.87</td><td>21.5</td><td>25.8</td><td>23.27</td><td>24.1</td><td>30.5</td><td>26.38</td></tr>
<tr><td>PM10</td><td>45.5</td><td>50.5</td><td>48.15</td><td>45.5</td><td>51.5</td><td>49.02</td><td>48.5</td><td>55.3</td><td>52.05</td></tr>
<tr><td>SO2</td><td>10.2</td><td>11.5</td><td>10.95</td><td>10.5</td><td>12.5</td><td>11.57</td><td>11.2</td><td>12.5</td><td>11.95</td></tr>
<tr><td>NO2</td><td>16.7</td><td>20.5</td><td>18.63</td><td>17.3</td><td>22.5</td><td>20.43</td><td>19.3</td><td>22.5</td><td>20.52</td></tr>
<tr><td>NH3</td><td>1.2</td><td>1.8</td><td>1.44</td><td>0.8</td><td>1.2</td><td>0.92</td><td>0.7</td><td>2.5</td><td>1.33</td></tr>
<tr><td>CO</td><td>70</td><td>105</td><td>90.83</td><td>70</td><td>115</td><td>103.00</td><td>100</td><td>125</td><td>116.67</td></tr>
</table>
<table>
<tr><td>Sr. No.</td><td>Pollutant</td><td>Time Weighted Average</td><td>Permissible limit</td></tr>
<tr><td>1.</td><td>Sulphur Dioxide (SO_2), µg/ m^3</td><td>Annual
24 Hours</td><td>50
80</td></tr>
<tr><td>2.</td><td>Nitrogen Dioxide (NO_2), µg/ m^3</td><td>Annual
24 Hours</td><td>40
80</td></tr>
<tr><td>3.</td><td>Particulate Matter (Size less than 10 µm) OR PM_{10} µg/ m^3</td><td>Annual
24 Hours</td><td>60
100</td></tr>
<tr><td>4.</td><td>Particulate Matter (Size less than 2.5 µm) OR $PM_{2.5}$ µg/m^3</td><td>Annual
24 Hours</td><td>40
60</td></tr>
<tr><td>5.</td><td>Carbon Monoxide (CO) mg/m^3</td><td>8 Hours
1 Hour</td><td>02
04</td></tr>
<tr><td>6.</td><td>Ammonia (NH_3) µg/m^3</td><td>Annual
24 Hours</td><td>100
400</td></tr>
</table>
</td></tr>
<tr><td>(xxxiii)</td><td>Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).</td><td>There is no coal based thermal power plant. The ash generated from boiler is used for filling low lying area inside the premises and selling to bricks manufacturer.</td></tr>
<tr><td>(xxxiv)</td><td>Ready mixed concrete must be used in building construction.</td><td>Ready mixed concrete is used in building construction of our Unit-4 projects. Complied.</td></tr>
<tr><td>(xxxv)</td><td>Storm water control and its re-use as per CGWB and BIS standards for various applications.</td><td>Adequately designed storm water drains are constructed to ensure uninterrupted flow of storm water. Its reuse in plant area is not envisaged yet.</td></tr>
</table>

(xxxvi)	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	Best prevailing civil engineering practices are adopted for construction activities includes use of pre-mixed & ready-mixed concrete. Complied.
(xxxvii)	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	Not Applicable, as no ground water is used. Source of water is from GIDC and agreement with GIDC for the same is in place. Copy is as below. 
(xxxviii)	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Considering industrial establishment separation of grey and black water is not done but recycling of water has been adopted for utilization of treated sewage for horticulture and green belt development.
(xxxix)	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Fixtures for showers, toilet flushing and drinking are of low flow inside the plant area. In offices, sensor based control are also provided. Complied.
(xl)	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	The construction done is mainly industrial plant. For office area use of glass is bare minimum to reduce the electricity consumption and load on air conditioning.

MEMORANDUM OF UNDERSTANDING

MOU between beneficiary industries as participants and GIDC as Project Management Agency (PMS) for Dahej Water Supply Project.

Gujarat Industrial Development Corporation has undertaken on agency basis the Water Supply Project for Management of Project, Planning, Designing, Estimating and execution thereof, for the industries in Dahej Area. GIDC is acting as a Nodel Agency as Managers to raw water supply project at the instance of request of industries located in the area since the year 1995 AD. As also, GIDC shall be keeping liaison with participants various agencies, various departments of the Govt. etc. for the purpose of seeking permissions grants, sanctions and approvals for supply of water from river Narmada through pipe line to the industries in Dahej area. In order to facilitate the implementation of the Project in time making financial arrangement, operation and maintenance of the water supply scheme smoothly and to the satisfaction of the participant industries, this M.O.U is required to be executed. This MOU is entered into this _____ day of _____ Two thousand _____ between Gujarat Industrial Development Corporation, established under the provision of Gujarat Industrial Development Act 1962 (Gujarat of 1962), having its own office at Block No. 3,4& 5 Udyog Bhavan, Sector 11, GH Road, Gandhinagar hereinafter referred to as the Corporation as for Manager for (which expression where the context so requires admits shall be deemed to include its successors and assignees) of the first Part and M/s JUBILANT INFRASTRUCTURE LIMITED (SEZ) Plot No.5, GIDC Vilayat Taluka Vagra Dist Bharuch _____ (hereinafter referred to as " the Participant" which expression where the context so requires and admits shall be deemed to include his successors, Administers and assigns successors business and assigns) of the Second part.

0.0 As participating Member, my / our water demand be registered as 0.44 MGD. As on the date of MOU, the project is estimated to 163.25 Crores for 28 MGD capacity. However, for determining the capital contribution of each participant pro-rata to this Booked / Registered water demand based on unit cost of Rs. 6.53 Crore / MGD which stands determined as may be worked out by Total "Q" as quotational factor.

Dy. Executive Engineer
G. I. D. C., Bharuch

Vilayat Bharuch

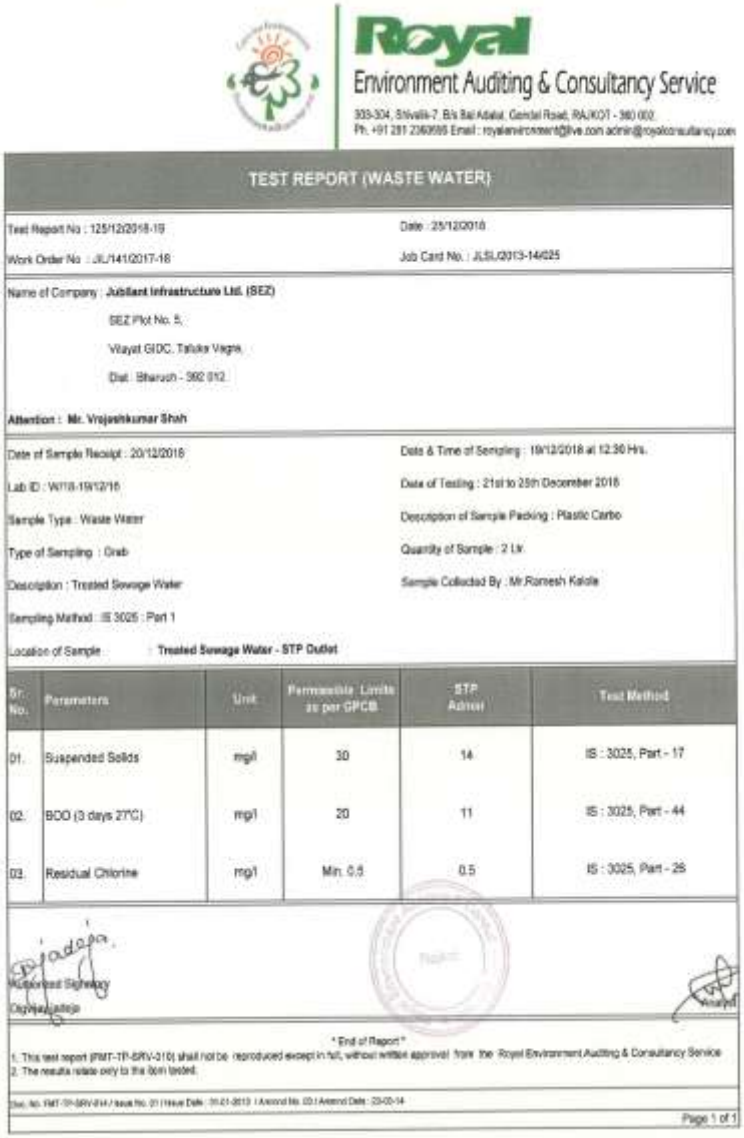
(xli)	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.	National Building Codes guidelines have been adopted to ensure optimum thermal loading for energy conservation.
(xlii)	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspiration for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	National Building Codes guidelines have been adopted to ensure optimum thermal loading for energy conservation.
(xliii)	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipment, etc. as per National Building Code including protection measures from lightening etc.	The approval of the competent authority such as Factory Inspectorate, are obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipment, etc. Due care for structural safety is taken since design stage. National Building Codes guidelines have been adopted at all stages of construction.
(xiiv)	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	There is dedicated EHS team & project team for Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.
(xlv)	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Construction of the project was started after obtaining environmental clearance.
II.	**Operation Phase**	
i)	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated affluent emanating from STP shall be recycled/	Packaged Sewage Treatment Plant (STP) (decentralized treatment) have been installed with proven technology & treated sewage meeting with GPCB norms is used for horticulture and green belt development to the maximum extent possible. Discharge of unused treated effluent conforms to the norms and standards of the Gujarat State Pollution Control Board. Necessary measures are made to mitigate the odor problem from STP.

	reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Gujarat State Pollution Control Board. Necessary measures should be made to mitigate the odor problem from STP.	The summary of analysis report of the treated Sewage Treatment Plant (STP) for last six months by an independent expert is as below:

STP	Suspended Solids mg/L			BOD (3 days 27 ^{0}C) mg/L			Residual Chloride ppm		
	Min.	Max.	Average	Min.	Max.	Average	Min.	Max.	Average
STP -1	14	16	14.67	10	12	11	0.5	0.7	0.58
STP -2	11	17	14.5	9	15	12.5	0.6	0.7	0.65
STP -3	13	16	14.5	8	12	10.33	0.5	0.7	0.58

Limit: SS=20 mg/l, BOD=30 mg/l & Residual Chloride min. 0.5

Monthly STP sample monitoring done through GPCB recognized Environmental Consultant M/s Royal Environment Auditing & Consultancy Service, Rajkot & their Laboratory is NABL certified.



Royal
Environment Auditing & Consultancy Service

TEST REPORT (WASTE WATER)

Test Report No : 125/12/2018-19 Date : 25/12/2018
Work Order No : JIL/141/2017-18 Job Card No. : JLSL/2013-14/025

Name of Company : **Jubilant Infrastructure Ltd. (SEZ)**
SEZ Plot No. 5,
Vilayat GIDC, Taluka Vagra,
Dist. Bharuch - 392 012.

Attention : Mr. Vrajeshkumar Shah

Date of Sample Receipt : 20/12/2018 Date & Time of Sampling : 19/12/2018 at 12:30 Hrs.
Lab ID : W/18-19/12/16 Date of Testing : 21st to 25th December 2018
Sample Type : Waste Water Description of Sample Packing : Plastic Carbo
Type of Sampling : Grab Quantity of Sample : 2 Ltr
Description : Treated Sewage Water Sample Collected By : Mr.Ramesh Kalola
Sampling Method : IS 3025 : Part 1
Location of Sample : **Treated Sewage Water - STP Outlet**

Sr. No.	Parameters	Unit	Permissible Limits as per GPCB	STP Admin	Test Method
01.	Suspended Solids	mg/l	30	14	IS : 3025, Part - 17
02.	BOD (3 days 27°C)	mg/l	20	11	IS : 3025, Part - 44
03.	Residual Chlorine	mg/l	Min. 0.5	0.5	IS : 3025, Part - 26

Authorised Signatory

* End of Report *

1. This test report (RMT-TP-SRV-310) shall not be reproduced except in full, without written approval from the Royal Environment Auditing & Consultancy Service
2. The results relate only to the item tested.

Page 1 of 1

STP sample monitoring done through GPCB appointed Schedule-1 Environmental Auditor M/s CHARUSAT University.

ENVIRONMENTAL AUDIT REPORT

Of

M/s. JUBILANT INFRASTRUCTURE LTD.

Plot No. 5, Vilayat Industrial Estate, Taluka-Vagra, Dist. Bharuch, Gujarat

(April 2018 to September 2018)

Prepared By

CHARUSAT

Environmental Engineering Laboratory

M. S. Patel Department of Civil Engineering,

Chandubhai S. Patel Institute of Technology (CSPIT)

Charotar University of Science & Technology, CHARUSAT

CHARUSAT Campus, Changa, Dist.: Anand, State: Gujarat. PIN Code - 388 421

Environmental Engineering Laboratory

Schedule-I Environment Auditor (GPCB Recognized)

M. S. Patel Department of Civil Engineering, CSPIT, CHARUSAT

TEST REPORT: EFFLUENT ANALYSIS

Test Report No: CH/EA/WW/(18/09 Analysis Service Request No: EA/18/09

Name and address of Customer: M/s Jubilant Infrastructure Ltd. Vilayat GIDC, Bharuch	
Sampling Date: 05/07/2018	Appearance of Sample: Slightly Yellow
Sampled By: EEL	Purpose: Purpose: Environment Audit
Sample Description: ETP Outlet	Sample Received Date: 05/07/2018
Packed/Sealed: Sealed	Test Started Date: 06/07/2018
Lab Sample ID: EA/WW/18/09	Test Completion Date: 18/07/2018
Sample Quantity: 500 mL	Date of Report: 21/07/2018
Sample Condition: OK	Environment Condition: Temp:28.1 °C Humidity: 42%

Sr. No.	Parameters	Units	Test Method	Permissible Limits	Results
1	pH	--	APHA 22nd Ed., 2012, 4500-H+ B	--	8.83
2	Temperature	°C	APHA 22nd Ed., 2012, 2550 B	--	29
3	TS	mg/L	APHA 22nd Ed., 2012, 2540 B	--	1366
4	TDS	mg/L	APHA 22nd Ed., 2012, 2540 C	--	1153
5	TSS	mg/L	APHA 22nd Ed., 2012, 2540 D	Less than 30 mg/L	13
6	EC	µS/cm	APHA 22nd Ed., 2012, 2510 A	--	1797
7	Turbidity	NTU	APHA 22nd Ed., 2012, 2130 B	--	15
10	Residual Chlorine	mg/L	APHA 22nd Ed., 2012, 4500 Cl- B	Minimum 0.5 ppm	0.51
11	BOD (3 Days)	mg/L	APHA 22nd Ed.,2012, 5210 B	Less than 30	10

NOTE:

- BLQ = Below Limit of Quantification, QL = Quantification Limit, ND = Not Detected
- This report refers only to the samples submitted/brought for testing in the laboratory.
- This report may not be reproduced in Part or full, without the permission of the CHARUSAT.
- Any correction invalidates this report.
- This report is valid at the time of & under the conditions specified herein.
- In case of any query, the EEL has to be notified within 30 days of issuance of the test report.
- E.& .OE

For Environmental Engineering Laboratory

QM (EIC) TM (VS) HOD (VRF)

(Authorized Signatory)

H-613, M. S. Patel Department of Civil Engineering, CSPIT, Off Nadiad-Petlad Road,
CHARUSAT Campus, Changa, Anand District - 388 421.
Ph-02697 265082, E-mail: eel.ew@charusat.ac.in

Page 1 of 1

<table>
<tr><td>ii)</td><td>The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.</td><td>The solid waste generated is properly collected and segregated. Wet waste is dried in filter press & sludge drying beds and dry / inert solid waste is disposed off to the approved sites for land filling.</td></tr>
<tr><td>iii)</td><td>Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low Sulphur diesel. The location of the DG sets may be decided with in consultation with Gujarat State Pollution Control Board.</td><td>Diesel power generating sets installed as source of backup emergency power supply for elevators and common area illumination during operation phase are of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets is as per the statutory requirement. Use low Sulphur diesel is ensured. We have taken consent of Gujarat Pollution Control Board for DG set.</td></tr>
<tr><td>iv)</td><td>Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured, at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.</td><td>Noise is controlled at source through engineering controls to ensure that it does not exceed the prescribed standards. During night time the noise levels measured, at the boundary of the building is restricted to the permissible levels to comply with the prevalent regulations.

Noise monitoring is done monthly at five locations on periphery & records are maintained. The noise levels are below the permissible levels to comply with the prevalent regulations.

The summary of results for last six months is as below:
<table>
<tr><td>Noise</td><td colspan="3">Day time</td><td colspan="3">Night time</td></tr>
<tr><td>dB</td><td>Min.</td><td>Max.</td><td>Average</td><td>Min.</td><td>Max.</td><td>Average</td></tr>
<tr><td>Location-1</td><td>67.1</td><td>68.2</td><td>67.57</td><td>62.1</td><td>64.8</td><td>63.27</td></tr>
<tr><td>Location-2</td><td>64.1</td><td>66.5</td><td>65.3</td><td>63.2</td><td>64.3</td><td>63.72</td></tr>
<tr><td>Location-3</td><td>63.5</td><td>64.8</td><td>64.3</td><td>54.4</td><td>56.2</td><td>55.23</td></tr>
<tr><td>Location-4</td><td>65.1</td><td>66.5</td><td>65.58</td><td>54.3</td><td>55.5</td><td>54.68</td></tr>
<tr><td>Location-5</td><td>63.2</td><td>65.1</td><td>64.32</td><td>52.7</td><td>53.8</td><td>53.28</td></tr>
</table>
The permissible concentration of Noise in ambient air within the premises of industrial unit:
Between 6A.M. and 10P.M.: 75dB (A)
Between 10P.M, and 6A.M.: 70dB (A)

Complied.</td></tr>
</table>

v)	The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	The green belt of the adequate width and density preferably with local species along the periphery of the plot is raised so as to provide protection against particulates and noise. Till date, 11094 nos. of plants on the periphery & inside area are planted giving priority to local plant species such as Shirish, Neem, Gulmohar, Amaltash, Jamun, Saptaparni, Jacaranda, Peltoforum, Palash, Teak etc. Details are as below: **Greenbelt plants details** **Green belt on periphery** 

Greenbelt plants details	
Plants	**Qty. (No.)**
Gulmohar (Delonix Regia/ Poinciana Regia)	2380
Bauhinia black (Orchid tree)	300
Azardirachtaindica (Neem)	1640
Amaltash (Cassia Fistula)	570
Jamun	525
Alstoniascholaris (Saptaparni)	730
Rain Tree (Shirish)	730
Blue Jacaranda	165
Fern tree	75
Peltoforum	1350
Palash	660
Teak	450
Palm tree	180
Champa (Plumeria)	150
Saru (Casuarina)	285
Bengali Baval (Babul)	290
Thespasiapopulea (Paras Pipal)	180
Fycus	50
Polyalthia pendula (Pendula asopalv - Ashoka)	160
Badam	100
Coconut tree (Cocos nucifera)	50
Borsali	24
Conocarpus	50
TOTAL	**11094**

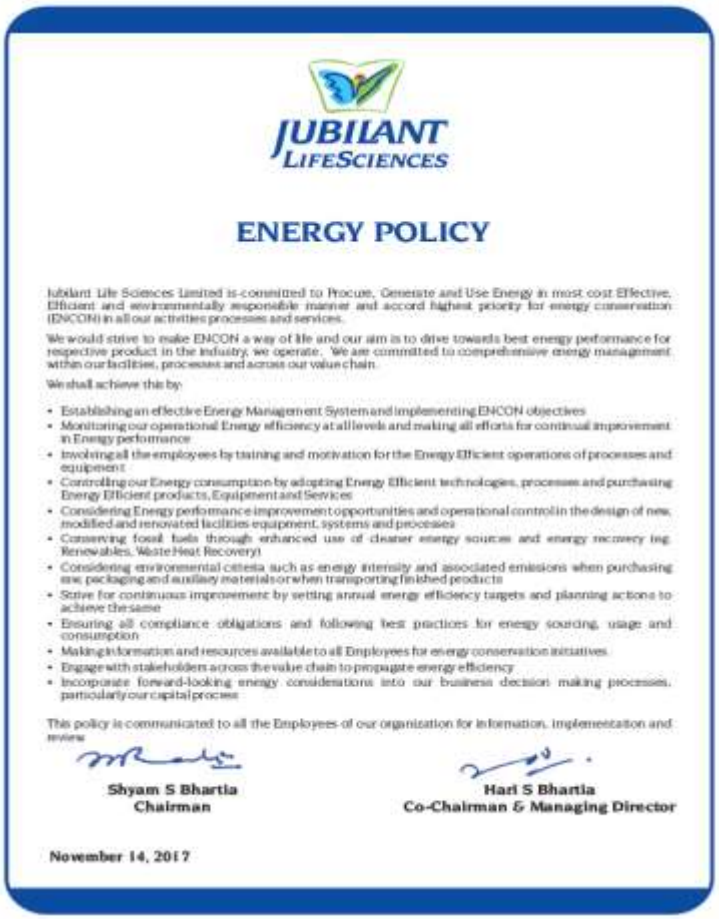
		  

		
vi)	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	Weep holes in the compound walls are provided to ensure natural drainage of rain water in the catchment area during the monsoon period. Complied.
vii)	Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.	Rain water harvesting and ground water recharging is installed in non-process areas for rejuvenation of ground water. Further, rainwater harvested from the roof top of Utility building is directly used in cooling tower make up instead of recharging to ground, to prevent any industrial pollutants from recharging to ground. None of the roof top area of buildings in manufacturing plant is used for rainwater harvesting for ground water recharge, as they are likely to contain industrial pollutants settled from air emissions.  Additional rain water harvesting is being planned for new hazardous waste storage roof.
viii)	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	No ground water is used. Source of water is GIDC. Ground water quality is monitored regularly. The report of ground water analysis is as below.

Ground Water Quality

Parameters	Unit	Post Monsoon October 2018					
		Peizowell-1	Peizowell-2	Peizowell-3	Peizowell-4	Peizowell-6	Vilayat Village
Taste	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
Color	pt.co.	4	5	5	8	8	6
Odor	---	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
pH	---	8.31	7.94	8.14	7.28	7.34	7.84
Turbidity	NTU	1	2	2	3	3	2
Total Dissolved Solids	mg/L	615.5	598	946	2993	1905	855
Suspended Solids	mg/L	12	10	14	13	11	10
Conductivity	ms/cm	1515	1108.3	1654.6	577.6	3595.2	1354
Calcium (as Ca)	mg/L	156.5	148.2	171.1	395	260	185
Chloride (as Cl)	mg/L	235.5	117.7	187.5	1726.6	204.9	385
Copper (as Cu)	mg/L	0.78	0.22	0.08	0.06	0.22	0.12
Fluorides (as F)	mg/L	0.57	0.62	1.02	0.38	0.4	0.06
Free residual chlorine	mg/L	Nil	Nil	Nil	Nil	Nil	Nil
Iron (as Fe)	mg/L	0.077	0.051	0.022	0.098	0.065	0.055
Mineral Oil	mg/L	Nil	Nil	Nil	Nil	Nil	Nil
Magnesium (as Mg)	mg/L	16.8	12.1	78.4	90.8	22.1	28.7
Manganese (as Mn)	mg/L	0.01	N.D.	0.03	0.04	N.D.	N.D.
Nitrate (as NO3)	mg/L	25.5	15.3	17.3	65.5	17.2	18.3
Phenolic compounds (as C6H5OH	mg/L	0.02	N.D.	0.03	0.04	N.D.	N.D.
Sulphate (as SO4)	mg/L	22	15	164	180	212	24
Total alkalinity (as CaCO3)	mg/L	260	420	450	400	400	380
Total hardness (as CaCO3)	mg/L	460	420	750	1360	740	580
Sodium (as Na)	mg/L	321.4	276.5	141.4	560.3	348.6	365
Potassium (as K)	mg/L	3.5	3.5	3.6	4.6	4.1	2.8
Lead (as Pb)	mg/L	0.07	0.04	0.03	0.61	0.06	0.05
Cadmium	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium	mg/L	0.04	0.041	0.044	0.505	0.049	0.032
Zinc (as Zn)	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dissolve Oxygen	mg/L	5.1	5..8	5.5	5.3	5.5	6.1
Biochemical Oxygen Demand	mg/L	6.5	NIL	3.5	3	3.5	NIL
Chemical Oxygen Demand	mg/L	22	NIL	10	10	15	NIL
Total Coliforms	Counts /100ml	Absent	Absent	Absent	Absent	Absent	Absent
Fecal Coliforms	Counts /100ml	Absent	Absent	Absent	Absent	Absent	Absent

ix)	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	Jubilant SEZ is in well planned GIDC Industrial Area. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site is avoided. Parking is fully internalized and no public space should be utilized. **Parking area** 

		
x)	A Report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc. and submit to the Ministry in three months' time.	Not Applicable as it is related to Building & construction projects. However, due considerations have been taken for energy efficiency. Our SEZ facility has an energy policy & is certified for Energy Management System ISO 50001. 

JUBILANT LIFESCIENCES

ENERGY POLICY

Jubilant Life Sciences Limited is committed to Procure, Generate and Use Energy in most cost Effective, Efficient and environmentally responsible manner and accord highest priority for energy conservation (ENCON) in all our activities processes and services.

We would strive to make ENCON a way of life and our aim is to drive towards best energy performance for respective product in the industry we operate. We are committed to comprehensive energy management within our facilities, processes and across our value chain.

We shall achieve this by:

- Establishing an effective Energy Management System and implementing ENCON objectives
- Monitoring our operational Energy efficiency at all levels and making all efforts for continual improvement in Energy performance
- Involving all the employees by training and motivation for the Energy Efficient operations of processes and equipment
- Controlling our Energy consumption by adopting Energy Efficient technologies, processes and purchasing Energy Efficient products, Equipment and Services
- Considering Energy performance improvement opportunities and operational control in the design of new, modified and renovated facilities equipment, systems and processes
- Conserving fossil fuels through enhanced use of cleaner energy sources and energy recovery (eg. Renewables, Waste Heat Recovery)
- Considering environmental criteria such as energy intensity and associated emissions when purchasing raw, packaging and auxiliary materials or when transporting finished products
- Strive for continuous improvement by setting annual energy efficiency targets and planning actions to achieve the same
- Ensuring all compliance obligations and following best practices for energy sourcing, usage and consumption
- Making information and resources available to all Employees for energy conservation initiatives.
- Engage with stakeholders across the value chain to propagate energy efficiency
- Incorporate forward-looking energy considerations into our business decision making processes, particularly our capital process

This policy is communicated to all the Employees of our organization for information, implementation and review

Shyam S Bhartia
Chairman

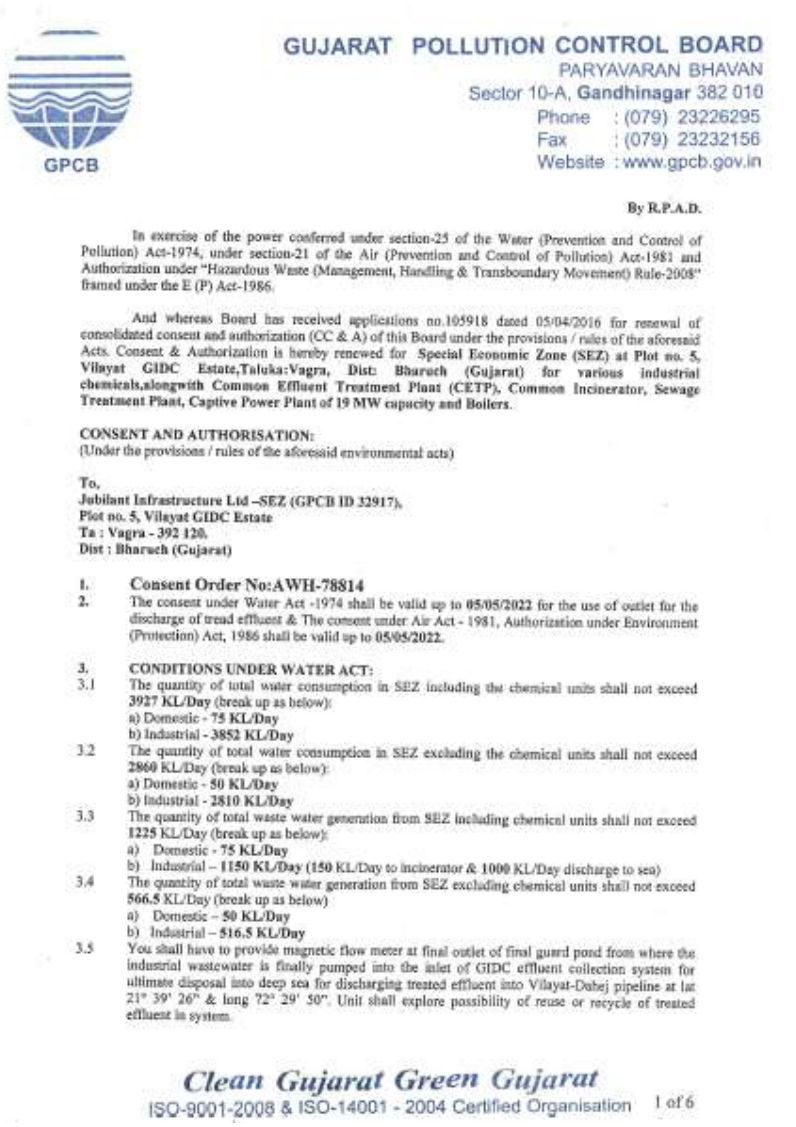
Hari S Bhartia
Co-Chairman & Managing Director

November 14, 2017

		
xi)	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building is initiated. Approx. 150 nos. of street lights & 750 lights of other plants area are changed from MH lamp to LED. LED lights are given preference for new buildings making it an integral part of the project design and should be in place before project commissioning. Used CFLs, TFLs and other bulbs are properly collected and stored/disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Installed solar lighting of 10 KW capacity in non-process area and further 50 KW capacity installation scheme is ready & under approval.
xii)	Adequate measures should be taken to prevent odor problem from solid waste processing plant and STP.	Solid wastes are not processed in the facility and disposed off to TSDF. Odors causing solid wastes are stored in drums and voluminous inorganic wastes in loose form are stored in dedicated sheds at an isolated location to prevent odor related issues and disposed off to TSDF. Organic wastes & odorous vent gases are disposed off through incineration and hence odor issues are largely reduced.

		Package sewage treatment plants are installed at source of sewage generation and hence Odor issue is eliminated. Incinerator is run efficiently to prevent odor problem. **Drum storage shed:**  **Packaged STP**  
xiii)	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Care is taken since design stage to keep adequate distance between buildings to allow movement of fresh air and passage of natural light, air and ventilation. Complied.
PART - B	**GENERAL CONDITIONS**	
i)	The environmental safeguards contained in the EIA/EMP Report should be implemented in letter and spirit. All the recommendations made in respect of environmental	Environmental safeguards contained in EIA-EMP are implemented. Scrubbers, ESP, bag filters, incinerator, ETP, STP, stack of adequate height, rain water harvesting are installed.

	management and risk mitigation measures relating to the project shall be implemented	All the recommendations made in respect of environmental management and risk mitigation measures relating to the project are implemented.
ii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	We are submitting six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. With this report, we will send the same through e mail also. Last compliance report was submitted on 24.07.2018. Complied.
4.	Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bhopal,	Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards will be given full cooperation, facilities and documents/data by the project proponents during their inspection. Documents submitted to MoEF are already forwarded to Regional office of MOEF, Bhopal. Complied.
5.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Project is in operation phase. In the case of any change(s) in the scope of the project, we will approach for a fresh appraisal by this Ministry.
6.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
7.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and	The diesel stored for DG sets are below the threshold quantity for seeking approval from CCOE and hence not applicable. Due to small quantity of usage, no underground storage constructed.

	Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	
8.	The project authorities shall strictly comply with the rules and guidelines under manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January, 2000 and hazardous Waste (Management and Handling) Rules, 1989 as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of wastes. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.	We comply with the rules and guidelines under manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January, 2000 and hazardous Waste (Management and Handling) Rules, 1989 as amended from time to time. Authorization no. AWH 78814 valid up to 05.05.2022 from the SPCB is obtained for collection, treatment, storage and disposal of wastes. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989. Complied. 

GPCB

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
Sector 10-A, Gandhinagar 382 010
Phone : (079) 23226295
Fax : (079) 23232156
Website : www.gpcb.gov.in

By R.P.A.D.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under "Hazardous Waste (Management, Handling & Transboundary Movement) Rule-2008" framed under the E (P) Act-1986.

And whereas Board has received applications no.105918 dated 05/04/2016 for renewal of consolidated consent and authorization (CC & A) of this Board under the provisions / rules of the aforesaid Acts. Consent & Authorization is hereby renewed for **Special Economic Zone (SEZ) at Plot no. 5, Vilayat GIDC Estate,Taluka:Vagra, Dist: Bharuch (Gujarat) for various industrial chemicals,alongwith Common Effluent Treatment Plant (CETP), Common Incinerator, Sewage Treatment Plant, Captive Power Plant of 19 MW capacity and Boilers.**

CONSENT AND AUTHORISATION:
(Under the provisions / rules of the aforesaid environmental acts)

To,
Jubilant Infrastructure Ltd –SEZ (GPCB ID 32917),
Plot no. 5, Vilayat GIDC Estate
Ta : Vagra - 392 120,
Dist : Bharuch (Gujarat)

1. **Consent Order No:AWH-78814**
2. The consent under Water Act -1974 shall be valid up to **05/05/2022** for the use of outlet for the discharge of tread effluent & The consent under Air Act - 1981, Authorization under Environment (Protection) Act, 1986 shall be valid up to **05/05/2022.**

3. **CONDITIONS UNDER WATER ACT:**
3.1 The quantity of total water consumption in SEZ including the chemical units shall not exceed **3927 KL/Day** (break up as below):
a) Domestic - **75 KL/Day**
b) Industrial - **3852 KL/Day**
3.2 The quantity of total water consumption in SEZ excluding the chemical units shall not exceed **2860** KL/Day (break up as below):
a) Domestic - **50 KL/Day**
b) Industrial - **2810 KL/Day**
3.3 The quantity of total waste water generation from SEZ including chemical units shall not exceed **1225** KL/Day (break up as below):
a) Domestic - **75 KL/Day**
b) Industrial – **1150 KL/Day (150** KL/Day to incinerator & **1000** KL/Day discharge to sea)
3.4 The quantity of total waste water generation from SEZ excluding chemical units shall not exceed **566.5** KL/Day (break up as below)
a) Domestic – **50 KL/Day**
b) Industrial – **516.5 KL/Day**
3.5 You shall have to provide magnetic flow meter at final outlet of final guard pond from where the industrial wastewater is finally pumped into the inlet of GIDC effluent collection system for ultimate disposal into deep sea for discharging treated effluent into Vilayat-Dahej pipeline at lat 21° 39' 26" & long 72° 29' 50". Unit shall explore possibility of reuse or recycle of treated effluent in system.

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9.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Noted
10.	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Kerala Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore.	Complied. The advertisement for the Environmental Clearance issued was published in The Times of India and Gujarat Samachar dated 25.11.2011. A copy of Environmental Clearance was also submitted to GPCB. Copies of advertisement are already submitted.  n AMC CC in the semifi- **ket Academy beat GCI** ır-based Base Cricket A- efeated GCI by three wick- SGVP Trophy on Thurs- after batting first, put on vers with Raj Gohel pick- Base Academy secured a they made 107 in the 29th three wickets still in tact. rihar was the star of the his 64-ball 42. storm into the women's doubles quarterfinals at the China Open Super Series Premier in Shanghai on Thursday. Jwala and Ashwini defeated Iris Wang and Rena Wang of America 21-9, 21-12. Earlier, Jwala and Valiyaveetil Diju suffered a 14-21, 14-21 loss against third seeds Joachim Fischer Nielsen and Christinna Pedersen of Denmark in the mixed doubles second round. In the quarters, Jwala-Ashwini face third seeds Mizuki Fujii and Reika Kakiiwa of Japan. TNN **Jubliant Infrastructure Limited-SEZ** Plot 5, GIDC, Vilayat, District- Bharuch, Gujarat. **PUBLIC NOTICE** This is to inform to the public that M/s Jubliant Infrastructure Limited-SEZ, Plot 5, GIDC, Vilayat, Dist. Bharuch has been accorded an amendment to their existing Environmental Clearance vide MOEF letter no. 21-1087/2007-IA.III dated 03.11.2011. The copy of the letter is available with Gujarat Pollution Control Board and on the website of the Ministry of Environment & Forest at http://envfor.nic.in. Place : Vilayat Date : 23.11.2011 RAVINDRA TIWARI SENIOR VICE PRESIDENT - SEZ  he public ied third Ltd in an nder and s in order iwari Gas mplating and the sibility of eware of જ્યુબિલન્ટ ઈન્ફ્રાસ્ટ્રકચર લિમિટેડ, (સેઝ) પ્લોટ ૫, જી.આઈ.ડી.સી, વિલાયત, ગુજરાત જાહેર સૂચના આ સાથે જાહેર જનતાને જણાવવામાં આવે છે કે, મે. જ્યુબિલન્ટ ઈન્ફ્રાસ્ટ્રકચર લિમિટેડ, (સેઝ), પ્લોટ ૫, જી.આઈ.ડી.સી, વિલાયત, જિ. ભરુચ ને પત્ર ક્રમાંક નં. ૨૧-૧૦૮૭/૨૦૦૭-IA/III તારીખ ૦૩.૧૧.૨૦૧૧ દ્વારા પર્યાવરણ મંજૂરીનું સુધારાપત્ર મળેલ છે. તેની નકલ ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ પાસે તથા વન અને પર્યાવરણ મંત્રાલયની વેબસાઈટ http://envfor.nic.in પર ઉપલબ્ધ છે. સ્થળ : વિલાયત તારીખ : ૨૩.૧૧.૨૦૧૧ રવિન્દ્ર તિવારી સિનિયર વાઈસ પ્રેસિડન્ટ-સેઝ ભારતીય સ્ટેટ બૅન્ક (સ્ટેટ બૅન્ક ઑફ ઈન્ડિયા એક્ટ, 1955 હેઠળ સ્થાપિત) કૉર્પોરેટ એન્ડટ, સ્ટેટ બૅન્ક ભવન, મેડમ કામા રોડ, નરિમાન પૉઇન્ટ, મુંબઈ – 400 021. અને આઈડીબીઆઈ ટ્રસ્ટીશિપ સર્વિસીસ લિ. However, please change Kerala Pollution Control Board to Gujarat Pollution Control Board. Regional office of this Ministry at Bangalore should be changed as Bhopal.
11.	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa	Not applicable, as this condition is for other matter.

	Foundation V/s Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	
12.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied.
13.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We upload the status of compliance of the stipulated EC conditions, including results of monitored data on our website and update the same periodically. It is simultaneously sent to the Regional Office of MoEF, the respective Zonal Office of CPCB at Baroda and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project are monitored and displayed at a convenient location near the main gate of the company in the public domain. Complied.
14.	The environmental statement for each financial year ending 31st March in Form V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	The environmental statement for each financial year ending 31st March in Form V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, Form V is submitted to SPCB & put up on web site of the company. The status of compliance of EC conditions is also put on the website of the company. Along with Form V, it will also be sent to the respective Regional Offices of MoEF by e-mail.

Compliance Report

For the EC amendment received vide letter No. 21-1087/2007-IA.III (Pt) dt.31.03.2017

As on 29.01.2019

Sr. No.	Stipulation requirement	Compliance status
1	This has reference to your letter No. JIL/EHS/EC/2016/0306 dated 14th March, 2016, submitting the proposal to this Ministry for amendment in the Environmental Clearance dated 3rd November, 2011 granted to the above mentioned project in favor of M/s Jubilant Infrastructure Limited, in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.	Noted.
2	The proposal **'SEZ for chemicals' at Vilayat GIDC in Taluka Vagra, District Bharuch (Gujarat)** was earlier accorded Environmental Clearance by the Ministry of Environment and Forest (MoEF) vide letter No.21-1087/2007-IA-III dated 3rd July, 2008 and subsequently amended on dated 3rd November, 2011.	Noted.
3	The proposal for amendment in the Environmental Clearance was considered by the Expert Appraisal Committee (EAC) in the Ministry for Infrastructure Development, Coastal Regulation Zone, Building/Construction and Miscellaneous projects, in its 158th meeting held on 27-28 April, 2016. The details of the proposal, as per the documents submitted by the project proponent and also as informed during the above said EAC meeting, are reported to be as under:-	Noted.
(i)	The project was earlier granted Environmental Clearance vide the Ministry's letter dated 3rd July, 2008 amended on 3rd November, 2011, for setting up SEZ for export manufacturing products namely, fine chemicals, specially chemicals, bulk organic chemicals, packing units etc. covered under item 5(f) 'Synthetic Organic Chemicals' of the schedule to the EIA Notification, 2006.	Noted.
(ii)	Due to chemical manufacturing units not upcoming in the desired numbers, the project proponent now proposes manufacturing of Technical Grade Pesticide and Pesticide Specific Intermediates, covered under item 5(b), also in their SEZ to make it multi sectoral chemical SEZ. Due to proposed change in the product mix, the project proponent have requested for amendment in the Environmental Clearance dated 3rd November, 2011 accordingly.	Noted.
4	The EAC, after deliberation in its 158th meeting held on 27-28 April, 2016, recommended the proposal for amendment in the Environmental Clearance. Based on the recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby conveys amendment in the Environmental Clearance dated 3rd July, 2008, amended on dated 3rd November, 2011, in respect of change in product mix, under the provisions of the EIA Notification, 2006 and amendments thereto and circulars issued thereon.	Noted.
5	All other conditions stipulated in the Environmental Clearance vide letter No.21-1087/2007-IA-III dated 3rd November, 2011, shall remain unchanged.	Noted & being complied.