

IL/TVM/FAC/SEZ/051/2019

27th Sep 2019

The Member Secretary,
KSPCB,
Pattom
Thiruvananthapuram – 695004.

SUB: Filing of Form V-Environmental Statement.

Dear Sir,

1. Enclosed herewith please find the Form - V Environmental statement for the year 2018-19 filed in fulfillment of the conditions laid down under environmental protection rules 1986.
2. Request acknowledge receipt.

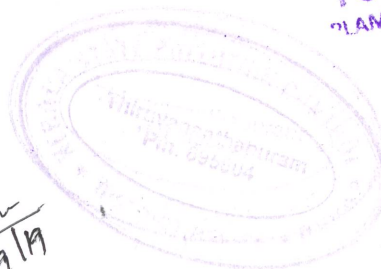
Thanking you.
Yours faithfully,



Devi Padmanabhan Nair
Regional Manager - Facilities

KERALA STATE
POLLUTION CONTROL BOARD
PILAMOODU JUNCTION, PATTOM PALACE P.O.
THIRUVANANTHAPURAM

Received
Shon
27/9/19



Received
by
C. S. V.
27/9/19

INFOSYS LIMITED
SEZ Unit 1, Plot No.1
Technopark Campus II
Attipara Village
Thiruvananthapuram 695 583, India
T 91 471 398 2222
F 91 471 241 6177

Corporate Office:
CIN:L85110KA1981PLC013115
44, Infosys Avenue
Electronics City, Hosur Road
Bengaluru 560 100, India
T 91 80 2852 0261
F 91 80 2852 0362
askus@infosys.com
www.infosys.com

ANNEXURE

**ENVIRONMENT STATEMENT FORM-V
(See rule 14)**

Environmental Statement for the financial year ending with 31st March

PART-A

- i. Name and address of the owner/
Occupier of the industry
Operation or process. INFOSYS LIMITED
Plot No. 1, Technopark Campus II, SEZ,
Attippra Village,
Thiruvananthapuram -695583.
- ii. Industry category primary-(STC Code) Secondary (STC code): NA
- iii. Production category –Units : Software
- iv. Year of establishment : 2010
- v. Date of the last Environmental Statement submitted : 22-Sep-2018

PART-B

Water and Raw Material Consumption:

1) Water Consumption in KLD During the FY – 2018-19			
Process	NIL		
Cooling	25.04 KLD	Treated Water from STP is used for Cooling, Flushing and Gardening purpose	
Domestic	66.28 KLD		
2) Raw Material Consumption			
Name of Raw Materials	Name of Products	During the FY – 2017 – 18	During the FY – 2018 - 19
NA			

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

PART –C

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

Pollutants	Quantity of Pollutants Discharged (Mass/day)	Concentration of Pollutants Discharged (Mass/Volume)	Percentage of Variation from Prescribed Standards with Reasons										
(a) Water	NA	<table border="1"> <tr> <td>pH</td> <td>7.33</td> </tr> <tr> <td>BOD</td> <td>2.1</td> </tr> <tr> <td>Oil & Grease</td> <td>14.7</td> </tr> <tr> <td>Suspended Solids</td> <td>BDL</td> </tr> </table>	pH	7.33	BOD	2.1	Oil & Grease	14.7	Suspended Solids	BDL	No variation from the standards		
pH	7.33												
BOD	2.1												
Oil & Grease	14.7												
Suspended Solids	BDL												
(b) Air		<table border="1"> <tr> <td>NOx (kg/month)</td> <td>1.28</td> </tr> <tr> <td>SOx (kg/month)</td> <td>3.67</td> </tr> <tr> <td>Non methyl Hydrocarbon (mg/Nm3)</td> <td>5.8</td> </tr> <tr> <td>Carbon monoxide (mg/Nm3)</td> <td>31.5</td> </tr> <tr> <td>SPM (mg/Nm3)</td> <td>22</td> </tr> </table>	NOx (kg/month)	1.28	SOx (kg/month)	3.67	Non methyl Hydrocarbon (mg/Nm3)	5.8	Carbon monoxide (mg/Nm3)	31.5	SPM (mg/Nm3)	22	No variation from the standards
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Carbon monoxide (mg/Nm3)	31.5												
SPM (mg/Nm3)	22												

PART –D

HAZARDOUS WASTES

(As specified under Hazardous Wastes (Management & handling Rules, 1989).

Hazardous Wastes	Total Quantity (Kg)	
	During the FY 2017 -18	During the FY 2018 - 19
1. From Process: Nil 2. From Pollution control Facilities	NA Used Oil- 1035ltr UPS batteries – 786kg DG batteries – 901kg E-Waste-4462kg Biomedical including sanitary waste – 1009 kg	NA Used Oil - 2285.00 ltr UPS batteries - 561.90 kg Dry Battery cells - 15.90 kg E-Waste -5565.40 kg Biomedical including sanitary waste - 847.80 kg CFL / light bulbs - 86.4 kg DG Filter – 90.9kg

PART-E

SOLID WASTES

Solid Wastes	Total Quantity (Kg)	
	During the FY - 2017 - 18	During the FY - 2018 - 19
a. From Process	1. Food Waste – 117471 kg 2. Paper/Rubber/Cardboard Waste – 3038 kg 3. Plastic Waste – 1085 kg 4. Metal Waste – 12189kg 5. Kitchen Oil- 1069 ltr 6. Others – 19525kg	1. Food Waste – 129581 kg 2. Paper / cardboard waste – 3487kg 3. Plastic waste – 723kg 4. Metal Waste – 2493kg 5. Kitchen Oil – 2105 ltr 6. Others – 71kg
b. Quantity re-cycled or re-utilized within the unit	1. Food waste of – 49724kg has been fed to Bio Gas Plant and the gas produced is used for cooking purpose.	1. Food waste of – 42500kg has been fed to Bio Gas Plant and the gas produced is used for cooking purpose and 657kg has been fed to Organic Waste Converter.

PART-F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

Description of Waste	Classification	Characteristic of Waste	Disposal Practice
E-Waste	Hazardous Waste	Solid	Sent to the authorized vendor for recycling.
Used Oil		Liquid	Sent to the authorized vendor for recycling.
UPS/DG Batteries		Solid	Sent to the authorized vendor
Biomedical Waste		Solid	Disposed through IMAGE
Food Waste	Solid Waste	Solid	Composting via Biogas, OWC & Piggery
Metal, Plastic, Rubber, Paper and Cardboard Waste		Solid	Sent to the authorized vendor for recycling.

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production:

Sl No.	Description	Objective
1.	Commissioning of Greenhouse structure with German Commissioning of Greenhouse structure with German technology which is used for drying the sludge.	In House manure production
2.	Shade trees has been provided along the NH service road and median.	Increase in Biodiversity
3.	An exclusive Butterfly garden created.	Increase in Biodiversity
4.	Towards protecting the ponds from wild weed growth, introduced fresh water fish like catla, rohu & karimeen in the ponds.	Increase in Biodiversity
5.	Installation and Commissioning of Smart Metering in Phase 2 campus.	Water Conservation
6.	Replacement of old pumping system at STP 1 with new energy efficient pumps.	Power Conservation
7.	Installation of 699.84 KWp Solar system.	Increase in renewable energy
8.	Continuous monitoring of the electrical system through daily, periodical checklists, BMS and manual interventions by electricians towards reducing Power consumption.	Energy Conservation
9.	Increase in number of Medicinal plants and Rare endangered trees	Increase in Biodiversity
10.	New UV Plant has been installed so as to eliminate the use of chlorine in treatment.	Enhancement of Water Treatment
11.	Effective usage of treated water for landscaping purpose for both Phase I & Phase II Campus.	Water Conservation
12.	Utilizing treated water from Ponds for flushing and irrigation tower instead of treated water in Phase 1 campus.	Water Conservation

PART-H

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

- Retrofit work done on Organic Waste Convertor as part of revival of the same and for ensuring 100% citric waste is treated.
- As part of conservation of natural resource and to enhance the biodiversity, 1633 Trees planted

PART-I

MISCELLANEOUS:

Any other particulars in respect of environmental protection and abatement of pollution.

- As part of Organic farming initiative *SPROUT*, vegetable grown inside campus was distributed to the employees.
- As part of *World Environment Day* (5th June), tree plantation was organized and vegetable seeds distributed among employees.
- As part of Green Initiative a new app *QUICK RIDE* was implemented and shared to all the employees which encourages for Car Pooling.
- As part of *World Water Day* (22nd March), awareness mailers was sent across to all the employees.
- Environmental Parameters with respect to Air, Water and Sound are monitored on a monthly basis.
- Recycled water is used for landscaping, flushing and cooling tower purposed thereby reducing the water consumption.
- As part of CSR Activity, trees and ground covers has been planted by employees in the nearby school.
- *VANASREE*, a sale and display of natural products from Department of Forest was put up inside campus.
- As a support for *EARTH HOUR*, lights were switched off from 08:30pm to 09:30pm in solidarity with global effort to secure Nature and our Home.