

IL/TVM/FAC/SEZ/035/2020

17th Sep 2020

The Member Secretary,
KSPCB,
Pattom
Thiruvananthapuram – 695004.

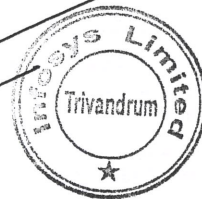
SUB: Filing of Form V-Environmental Statement.

Dear Sir,

1. Enclosed herewith please find the Form - V Environmental statement for the year 2019-20 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



Received
Office
17/9/2020
KERALA STATE POLLUTION CONTROL BOARD
Thiruvananthapuram
Pin: 695004
DISTRICT OFFICE

Received
KERALA STATE POLLUTION CONTROL BOARD
Thiruvananthapuram
17/9/20

INFOSYS LIMITED
SEZ Unit 1, Plot No. 1
Technopark Campus II
Attipra 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
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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,
Attipra 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 : 27-Sep-2019

PART-B

Water and Raw Material Consumption:

1) Water Consumption in KLD During the FY – 2019-20			
Process	NIL		
Cooling	20.11 KLD	Treated Pond water from STP is also used for cooling. Recycled water from STP is used for flushing and landscaping.	
Domestic	71.99 KLD		
2) Raw Material Consumption			
Name of Raw Materials	Name of Products	During the FY – 2018 – 19	During the FY – 2019 - 20
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>6.59</td> </tr> <tr> <td>BOD</td> <td>2.6</td> </tr> <tr> <td>Oil & Grease</td> <td>BDL</td> </tr> <tr> <td>Suspended Solids</td> <td>BDL</td> </tr> </table>	pH	6.59	BOD	2.6	Oil & Grease	BDL	Suspended Solids	BDL	No variation from the standards		
pH	6.59												
BOD	2.6												
Oil & Grease	BDL												
Suspended Solids	BDL												
(b) Air		<table border="1"> <tr> <td>NOx (kg/month)</td> <td>0.66</td> </tr> <tr> <td>SOx (kg/month)</td> <td>1.51</td> </tr> <tr> <td>Non methyl Hydrocarbon (mg/Nm3)</td> <td>7</td> </tr> <tr> <td>Carbon monoxide (mg/Nm3)</td> <td>29.25</td> </tr> <tr> <td>SPM (mg/Nm3)</td> <td>24.50</td> </tr> </table>	NOx (kg/month)	0.66	SOx (kg/month)	1.51	Non methyl Hydrocarbon (mg/Nm3)	7	Carbon monoxide (mg/Nm3)	29.25	SPM (mg/Nm3)	24.50	No variation from the standards
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PART –D

HAZARDOUS WASTES

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

Hazardous Wastes	Total Quantity (Kg)	
	During the FY 2018 - 19	During the FY 2019 – 20
1. From Process: Nil 2. From Pollution control Facilities	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	NA Used Oil - 1400 ltr UPS batteries - 1662 kg UPS-453 kg Dry Battery cells - 7 kg E-Waste -12678 kg Biomedical including sanitary waste – 1054.500 kg DG Filter – 112.5kg

PART-E

SOLID WASTES

Solid Wastes	Total Quantity (Kg)	
	During the FY - 2018 - 19	During the FY - 2019 – 20
a. From Process	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	1. Food Waste – 146457 kg 2. Paper / cardboard waste – 4033kg 3. Plastic waste – 887kg 4. Metal Waste – 10435kg 5. Kitchen Oil – 500 ltr 6. Others – 80222kg (75522kg of used furniture as part of agile conversion)
b. Quantity re-cycled or re-utilized within the unit	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.	1. Food waste of – 45296kg has been fed to Bio Gas Plant and the gas produced is used for cooking purpose and 1416kg 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.	<p>As a responsible corporate, the following steps are taken in Plastic Waste management.</p> <ul style="list-style-type: none">• Replacement of plastic garbage bag with bio-degradable bags & gunny bags.• PET drinking water bottles replaced with Glass bottles & steel water bottles.• Elimination of plastic cups, stirrers, spoons and plates at Food court.• Replacement of Single use plastic pens with Paper pens.• Replacement of PVC flux banners with Cloth banners.• Milk packets taken back by vendors at Food court.• Proper segregation of plastic wastes done at source.	Reduction in plastic waste generation
2.	<p>Avenue trees like Mimusops elengi, Ficus benamina and Ficus panda are planted in the service roads outside campus for public environmental welfare.</p> <p>Saplings comprising of native fruit species and shrubs has been planted inside campus.</p>	Increase in Biodiversity
3.	<p>New Precision AC unit installed at Data Centre Room</p>	Power Conservation
4.	<p>Sprout, the organic vegetable farming initiative is being adopted in approx. 20 cents of land. It's an employee driven initiative where employees actively participate, learn and work on the field to grow vegetables.</p>	Increase in Biodiversity
5.	<p>Grid connected Solar panels of 826kwp has been installed which caters to 15% of total campus power consumption.</p>	Increase in renewable energy
6.	<p>The STP is based on Membrane Bio Reactor (MBR) technology. Recycled water from Sewage treatment plant will be utilized for landscaping, flushing and cooling tower purpose.</p>	Water Conservation
7.	<p>Conversion of Lights from 55W CFL to 30 W LED at food court II.</p>	Energy Conservation
8.	<p>Food waste generated is fed to Biogas plant wherein the generated biogas is used for cooking purpose.</p>	In-house treatment of Food Waste

PART-H

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

Aiming at Sustainable Multiplication of Plants, have created a Mist chamber enabling propagation of plants in-house. 26189 plants Propagated FY 19-20.

PART-I

MISCELLANEOUS:

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

1. Floriculture week celebrated at Campus. The efforts also got published in Newspaper.
2. Rain water harvesting week was celebrated at Campus. Various events were conducted for understanding the importance of Rain water harvesting.
 - Rain water harvesting & water safety promotion desks/kiosks was put up by invited external members.
 - An expert talk was organized on understanding the ways to harvest water at home.
 - A pencil drawing competition was organized with the theme "Rain water harvesting".
 - Awareness mailers was sent across to employees on the same.
3. As part of World Environment Day 2019, awareness mailers were sent across to employees and a competition was conducted among employees floor wise on least power consumption.
4. As part of CSR drive newspaper collected through employees were donated to SCT college of Engineering for recycling and converting it as notebooks.
5. An interactive session conducted for all Green Enthusiasts of campus regarding the topic "Home Gardening ideas and Organic waste management" In tie-up with Vegetables and Fruits Promotion Council Kerala (VFPC).