

IL/TVM/FAC/SEZ/016/2023

14<sup>th</sup> Sep 2023

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 2022-2023 (April-22 to Mar-23) filed in fulfillment of the conditions laid down under THE ENVIRONMENT (PROTECTION) RULES 1986.
2. Request acknowledge receipt.

Thanking you.  
Yours faithfully,




Devi Padmanabhan Nair  
Senior Regional Manager - Facilities



Kerala State Pollution Control Board  
Pattom Junction, Pattom Palaca P.O  
Thiruvananthapuram - 695004

Received  
14/9/23

Received  
14/9/2023



**INFOSYS LIMITED**  
SEZ Unit  
Plot No. 1, Technopark Campus II  
Attipra Village  
Thiruvananthapuram 695 583, India  
T 91 471 398 2222  
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Corporate Office:  
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44, Infosys Avenue  
Electronics City, Hosur Road  
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**ANNEXURE**

**ENVIRONMENT STATEMENT FORM-V**

(See rule 14)

*Environmental Statement for the financial year ending with 31<sup>st</sup> March 2023*

**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 Development
- iv. Year of establishment : 2010
- v. Date of the last Environmental Statement submitted : 26-Sep-2022

**PART-B**

Water and Raw Material Consumption:

1) Water Consumption in KLD During the FY – 2022-23			
Process		NIL	
Cooling		3.04 KLD	
Domestic		22.80 KLD	
2) Raw Material Consumption			
Name of Raw Materials	Name of Products	During the FY – 2021 – 22	During the FY – 2022 – 23
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	BOD (kg/day)	0.1	No variation from the standards
	Oil & Grease (kg/day)	BDL	
	Suspended Solids (kg/day)	BDL	
(b) Air			No variation from the standards
	NOx (kg/day)	0.37	
	SOx (kg/day)	0.44	
	Particulate Matter (kg/day)	1.06	

**PART –D**

**HAZARDOUS WASTES**

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

Hazardous Wastes	Total Quantity (Kg)	
	During the FY 2021 – 22	During the FY 2022 – 23
1. From Process: Nil 2. From Pollution control Facilities.	NA Used Oil – 1.575KL Oil-soaked cotton waste -14kg DG filters – 83kg Paint cans /containers – 13kg	NA Used Oil – 1.486KL Oil-soaked cotton waste -13.3kg DG filters – 127.7kg Paint cans /containers – 274kg

**PART-E**

**SOLID WASTES**

Solid Wastes	Total Quantity (Kg)	
	During the FY - 2021 – 22	During the FY - 2022 – 23
a. From Process	1. Food Waste – 6515.86 kg 2. Paper / cardboard waste – 1880kg 3. Plastic waste – 750kg 4. Metal Waste – 35831kg 5. Kitchen Oil – 203 ltr 6. Others – 80393kg (furniture materials as part of agile conversion)	1. Food Waste – 25487.13 kg 2. Paper / cardboard waste – 1660kg 3. Plastic waste – 1100kg 4. Metal Waste – 25883kg 5. Used Kitchen Oil – 640 ltr 6. Others – 235kg (wood waste, umbrella scrap)
b. From Pollution control facility	STP Sludge – 57KL (sludge generated from biogas supernatant slurry)	STP Sludge – Nil
c. Quantity re-cycled or re-utilized within the unit	1. Food waste of – 4929.3 kg has been fed to Biogas Plant and the gas produced is used for cooking purpose.	1. Food waste of – 19742.75 kg has been fed to Biogas Plant and the gas produced is used for cooking purpose.

**PART-F**

*Please specify the characteristics (in terms of composition 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.
UPS/DG Batteries		Solid	Sent to the authorized vendor
Biomedical Waste		Solid	Disposed through IMAGE
Food Waste	Solid Waste	Solid	Composting via Biogas & Municipal Corporation approved vendor.
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:*

<b>Sl No.</b>	<b>Description</b>	<b>Objective</b>
1.	<p>As a responsible corporate, the following steps are taken in Plastic Waste management.</p> <ul style="list-style-type: none"><li>• Replaced Single Used Plastics materials like Cake Cutting Knives, Cling films, Flex Banners, Ice cream packs and straws, PET drinking bottles, plastic cups, stirrers, spoons, plates, and Pens.</li><li>• Replacement of plastic garbage bag with bio-degradable &amp; gunny bags.</li><li>• Awareness mailer shared to employees on the impact of Single use plastic for environment &amp; health</li><li>• Onboarded Saahas Zero Waste management Company for providing end-to-end waste management services based on Life Cycle Assessment &amp; circular economy.</li></ul>	Reduction in plastic waste generation
2.	<ul style="list-style-type: none"><li>• Unique initiative towards safeguarding Rare Endangered and Threatened (RET) species of native plants / trees and medicinal plants is taken up. A dedicated area of approx. 1.5 acres is planted with RET species and medicinal plants. The zone accommodates 37 species of trees and 31 species of medicinal plants.</li><li>• A dedicated area has been created with flowering plants- Crotagaria, White angel, Asystasia, Jatropha, Wild Jasmine, Night Jasmine, Yellow Cosmos, Cranberry Hibiscus and Hedychium for attracting and maintain habitat for butterflies.</li><li>• Avenue trees like Raintree, Gulmohar, Spathodia, Elanji, Ficus, Japanese Fern, Kadamba, Ezhilampala, Bauhunia, Cardia, Terminalia, Golden shower &amp; Bird's cherry are grown along the roads and pathways for shade inside the campus.</li><li>• Trees- Elanji &amp; Ficus and shrubs- Nerium, Caesalpinia, Teccoma, Nikodia, Ixora and Bougainvilla etc are planted in the service roads and median outside campus for public environmental welfare.</li></ul>	Increase in Biodiversity

	<ul style="list-style-type: none"> <li>Saplings comprising of native fruit species like Mangosteen, Ramaphal, Seethaphal, Malasyian Jamba, Water apple, Jaathi, Anjali, Badam, Bird's cherry, Coconut tree, Fig, Kodam puli, Banana, Agasthya, Tamarind, Carambola, Pulinchikka, Jamun, Mosambi, Mangoes, Pomegranete, Amla, Sapotta, Guava, Jack fruit, Soursop &amp; Ramboottan, various shrubs and ground covers has been planted inside the campus to increase the biodiversity.</li> </ul>	
3.	<ul style="list-style-type: none"> <li>Automation Initiative - Automated Terrace lighting by using Sensor based controls linked with Terrace doors to reduce power consumption. – Savings 16 units per day</li> <li>Optimizing- Analyzed the lux level requirements and converted Double arm Street lights to single arm lights there by reduced the power consumption and a Savings of 18 units per day.</li> <li>Retrofitted obsolete T5 tube lights in MLPL first floor with Sensor based LED lights thereby reduced the wattage from 3640 watts to 2340 watts.</li> <li>Earth Hour observed on March 23 at Campus</li> </ul>	Power Conservation
4.	<ul style="list-style-type: none"> <li>Grid connected Solar panels of 826kwp has been catered to 23% of total campus power consumption during FY 22-23.</li> <li>Total Solar power generated is 1209055 kWh.</li> </ul>	Increase in renewable energy
5.	<ul style="list-style-type: none"> <li>Two number of 10KL Sintex tanks were re-used for rainwater Harvesting. Water collected is used for landscaping purpose</li> <li>1917 KL of Roof Rainwater collected in our UGR. Rainwater collected in UGR is treated and used for domestic purpose.</li> <li>Awareness session on the importance of Water Conservation by proactive measures.</li> <li>New 2 no's of high jet fountains installed at Pond-1 to improve the aeration and water quality.</li> <li>Sewage generated inside campus is treated through Sewage Treatment Plant (STP) of capacity 500KLD which is based on Membrane Bio Reactor Technology (MBR). Recycled water from Sewage treatment plant will be utilized for Irrigation, flushing &amp; cooling purposes.</li> </ul>	Water Conservation

6.	<ul style="list-style-type: none"> <li>• Food waste generated is fed to Biogas plant wherein the generated biogas is used for cooking purpose.</li> <li>• For Enhancing the operations on Bio-Gas plant, retrofitted the crusher unit machine.</li> </ul>	In-house treatment of Food Waste
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#### **PART-H**

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

- Infosys is ISO 14001 & ISO 45001 certified.
- Continuing the Sustainable Multiplication of Plants through a Mist chamber enabling propagation of plants in-house. 15348 shrubs and 39 trees propagated FY 22-23.

#### **PART-I**

#### **MISCELLANEOUS:**

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

1. Conducting environmental quality monitoring for emissions and effluents as per the PCB standards through MOEF authorized vendor.
2. As part of World Environment Day (5th June), World Forest Day (21<sup>st</sup> March), World Water Day (22<sup>nd</sup> March), awareness mailers were sent across to employees and the same was displayed at building entries.
3. Shredder cum pulverizer had been installed in campus for shredding leaves & dry branches. The same is being used to increase soil composition and for mulching
4. Waste segregation done at source. Color coding bins are used.
5. Hazardous waste segregated and stored in designated areas and disposed of through authorized vendors.
6. Usage of green sealed chemicals for housekeeping purpose.