

**Date: 29<sup>th</sup> September 2022**

To,

The Member Secretary  
Chandigarh Pollution Control Committee  
Paryavaran Bhavan  
Madhya Marg  
Sector-19 B  
Chandigarh- 160019

Sub: Submission of Environmental Statement from 1st April 2021 to 31st March 2022.

Sir,

We hereby submit the Environmental Statement as provided under rule 14 of the EPA Act 1986 for the FY 2021-22 ending 31st March 2022.

Thanking You,

Sincerely  
For Infosys Limited,



Puneet Randhawa  
Sr. Regional Head- Facilities



**INFOSYS LIMITED**

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**ANNEXURE**

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

*Environmental Statement for the financial year 2021-22 ending with 31st March 2022*

***PART-A***

*i. Name and address of the owner/  
occupier of the industry:* **Infosys Technologies Limited  
Plot No.1, Rajiv Gandhi Technology  
Park. Kishangarh, Chandigarh.**

*Operation or process:* **Software Development**

*ii. Industry category Primary-(STC Code) Secondary- (STC Code)* **N.A**

*iii. Production category. Units:* **Software Development**

*iv. Year of establishment:* **2006**

*v. Date of the last environmental statement submitted:* **June 2021**

***PART-B***

**Water and Raw Material Consumption:**

*i. Water consumption in m<sup>3</sup>/d*

*Process :* **N.A**

*Cooling :* **15 M<sup>3</sup> (for use at cooling tower makeup)**

*Domestic :* **10 M<sup>3</sup> /d (for use at Office buildings, ECC, drinking water etc..)**

*Food Courts:* **15 M<sup>3</sup> /d (for use at food courts, kitchens etc.,)**

*Others:* **30 M<sup>3</sup> /d (for use at laundry, Laundromat, swimming pool etc.,)**

*Gardening :* **28 M<sup>3</sup> (only recycled water)**

**Enclosures:**

- 1) Copy of Test Report for Treated Sewage
- 2) Copy of Test report for D.G set emissions

- 3) Form 10 for the Used oil, DG filters, oil soaked cotton disposed, Chemicals cans disposed
- 4) Form 2 for the E waste disposed

Name of Products	Process water consumption per unit of products output	
	During the previous financial year	During the current financial year
1.	N. A	
2.		
3.		
4.		
5.		
6.		

*ii. Raw material consumption*

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year

*\* 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)

**Software Industry**

Pollutants	Quantity of Pollutants discharged (mass/day)			Concentration of Pollutants discharged (mass/volume)			Percentage of variation from prescribed Standards with reasons.
(a) Water	<b>General Parameters</b>	<b>Units</b>	<b>Result</b>	<b>General Parameters</b>	<b>Units</b>	<b>Result</b>	No Deviation observed
	pH :	<i>Mg/L</i>	<i>7.94</i>	pH :	<i>Mg/L</i>	<i>7.94</i>	
	BOD :	<i>Mg/L</i>	<i>5</i>	BOD :	<i>Mg/L</i>	<i>5</i>	
	COD :	<i>Mg/L</i>	<i>17</i>	COD :	<i>Mg/L</i>	<i>17</i>	
	Suspended Solids :	<i>Mg/L</i>	<i>&lt;1.0</i>	Suspended Solids :	<i>Mg/L</i>	<i>&lt;1.0</i>	
	Residual Chlorine :	<i>Mg/L</i>	<i>NA</i>	Residual Chlorine :	<i>Mg/L</i>	<i>NA</i>	
	Ammonical Nitrogen :	<i>Mg/L</i>	<i>NA</i>	Ammonical Nitrogen :	<i>Mg/L</i>	<i>NA</i>	
(b) Air	<b>General Parameters</b>	<b>Units</b>	<b>Result</b>	<b>General Parameters</b>	<b>Units</b>	<b>Result</b>	No Deviation observed
	Particulate matter	<i>Mg/Nm3</i>	<i>33.52</i>	Particulate matter	<i>Mg/Nm3</i>	<i>33.52</i>	
	Carbon Monoxide	<i>Mg/Nm3</i>	<i>86</i>	Carbon Monoxide	<i>Mg/Nm3</i>	<i>86</i>	
	Nitrogen oxide	<i>Mg/Nm3</i>	<i>665.47</i>	Nitrogen oxide	<i>Mg/Nm3</i>	<i>665.47</i>	
	Sulphur Dioxide	<i>Mg/Nm3</i>	<i>14.54</i>	Sulphur Dioxide	<i>Mg/Nm3</i>	<i>14.54</i>	

**PART-D**

**HAZARDOUS WASTES**

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

Hazardous Wastes Total Quantity (Kg)	<b>During the current financial year (2020-21)</b>	<b>During the current financial year (2021-22)</b>
1. From Process	Used Oil- 830 liters DG Filters- 68 no's Oil soaked cotton- 22 kg Discarded Paint barrels= 4 no's Discarded Cans= 300 Kg's Resin (WTP Media- Non-hazardous)= 2270 kg's	Used Oil- 1280 liters (Disposed 683 liters in FY 21-22). DG Filters- 92 no's Oil soaked cotton- 25 kg Discarded Paint barrels= 152 Kg Discarded Cans= 1800 Kg's Silica Gel (WTP Media- Non-hazardous)= 10 kg's Expired Chemical Non-Hazardous= 1185 Kg Expired Fire Extinguisher Material- Non hazardous= 530 Kg's Battery waste= 862.45 Kg's (152 numbers)
2.From Pollution Control Facilities	Not Applicable	Not Applicable

**PART - E**

**SOLID WASTES:**

Solid Wastes Total Quantity (Kg)	During the current financial year(2020-21)	During the current financial year(2021-22)
a. From process	<ul style="list-style-type: none"><li>• E waste-9961 kgs</li><li>• Bio medical waste-83.85 kgs</li><li>• Metal waste: 4095 Kgs</li><li>• Mixed garbage: 5744 Kgs</li><li>• Paper / cardboard waste: 1558 Kgs</li><li>• Plastic waste: 613 Kgs</li><li>• Wood waste: 1063 Kgs</li></ul>	<ul style="list-style-type: none"><li>• E waste-17330 kgs</li><li>• Bio medical waste-13.25 kgs</li><li>• Metal waste: 37650 Kgs</li><li>• Mixed garbage: 3931 Kgs</li><li>• Paper / cardboard waste: 2133 Kgs</li><li>• Plastic waste: 5205 Kgs</li><li>• Wood waste: 3225 Kgs</li><li>• Garden Waste: 30290 Kg's</li><li>• Glass Waste: 16335 Kg's</li></ul>
b. From Pollution Control Facility	<ul style="list-style-type: none"><li>• Sludge- 7810 kg</li><li>• (Used as manure for landscape)</li></ul>	<ul style="list-style-type: none"><li>• Sludge- 6820 kg (Used as manure for landscape)</li></ul>
c. Quantity recycled or re- utilized within the unit.	Food waste is treated inhouse through composter All other solid wastes are disposed to the registered recyclers	Food waste is treated inhouse through composter All other solid wastes are disposed to the registered recyclers

**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.**

<b>HW</b>	<b>2020-21</b>	<b>Authorized Vendor</b>	<b>Disposal Method</b>
Used oil	683 Liter	Golden Petro	Distillation with clay treatment is done which results into lube oil production
DG filters	92no's	Bharat Oil and Management	Incineration
Oil soaked cotton	25 kg's	Bharat Oil and Management	Incineration
Discarded Barrels	152 Kg's	Bharat Oil and Management	TSDf
Chemical Cans	1800 kg's	Bharat Oil and Management	TSDf
Battery Waste	152 no's	Gravita India Ltd	Recycling

<b>Non - Hazardous Wastes</b>	<b>Disposal</b>
Paper, Wood	Disposed to registered recyclers / re processors.
Plastic Waste	Disposed to PCB approved recyclers.
Mixed waste	Mixed waste generated from food court is sent to municipal corporation.
STP sludge	Used as manure for landscape
Other Wastes	Disposal
E waste.	Disposed to CPCB registered vendor
Bio medical waste	Disposed to CPCC approved vendor
Glass Waste	Disposed to authorized vendor for further processing
Expired chemical and fire extinguisher waste, Silica Gel- Non hazardous waste	Disposed to authorized vendor for further processing

## ***PART-G***

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

1. All the waste generated in the campus is collected in the scrap yard and sold to recyclers
2. Paper waste is shredded and sold to recyclers. One side blank pages are used as rough pads
3. Hazardous waste like Used Oil, E waste, DG filters etc. is sold to authorized recyclers
4. Yearly targets are set to reduce the consumption of natural resources (Water, Electricity and paper)
5. Training sessions are provided to employees and the contract staff on optimal use of the natural resources
6. LED and sensor lights are used in the campus
7. In the last year, approx. 2000 KL of rooftop rain water is being used in the process, thus reducing the freshwater consumption. 15 numbers of injection wells constructed inside the campus to recharge the underground water by harvesting the rain water.
8. All the waste water generated in the campus is recycled in the campus through Sewage Treatment Plant and treated water is used for landscaping and flushing in buildings.
9. Our natural resource consumption has come down in last three years when we calculate on per person basis. Converted 100% of external lights within the campus into LED lights, thus saving 0.75% of power consumption annually in the campus, along with 100% workstation lights inside the buildings
10. Various meeting rooms converted to VC room for better employee interaction and a step towards saving environment.
11. Installation of smart irrigation system throughout the campus for better utilization of recycled water in landscape area as per the plant requirement.
12. Regular review meetings are conducted to keep a check on the progress of the EMS
13. Monthly internal audits are conducted by certified lead auditors on EMS
14. All the critical equipment are under AMC, this helps to keep them efficient thus decreasing the pollution
15. Installation of de-composter for the processing of food waste and garden waste into manure for re-using in Plantation area.



**PART - H**

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

- Infosys has been certified compliant to ISO 14001 & ISO 45000 (OHSAS)
- Energy conservation practices implemented
- Efforts have been taken to minimize the use of single use plastics/ Thermocol within the campus
- Sustainability has been at the core of our business philosophy. Infosys Sustainability Report is published annually. Our sustainability report provides an update on the responsible business practices across social, environmental and economic parameters in accordance with the GRI 4.0 framework for the year 2016-17. It delineates our sustainability agenda across three areas — social contract, resource intensity, and green innovation.

Objective	Target	Results
<b>Reduction in absolute power consumption</b>	<ul style="list-style-type: none"> <li>• Target: 25% of absolute electricity consumption of FY2021 by March 31, 2022.</li> </ul>	Reduction of -20% as compared to FY 2020-21
<b>Reduction in absolute water consumption</b>	<ul style="list-style-type: none"> <li>• Target: 25% of absolute freshwater consumption of FY2021 by March 31, 2022.</li> </ul>	Reduction of -20% as compared to FY 2020-21
<b>Zero Waste to landfill</b>	<ul style="list-style-type: none"> <li>• Replacement of disposables</li> <li>• In-house composting and generation of manure for landscape purpose</li> <li>• Vendor audit and evaluation of recycling efficiency</li> </ul>	200 kg per day capacity of Composter plant is in operation Vendors are audited as per Infosys standard requirements
<b>Rain water harvesting</b>	<ul style="list-style-type: none"> <li>• Creation of injection wells at suitable location</li> <li>• Routing of surface runoff water to injection wells through storm water drains</li> <li>• 15 injection wells are created along with 100 kl capacity system of rain water harvesting system</li> <li>• Usage of recycled water for flushing in the buildings thus reducing the overall consumption of fresh water in the campus</li> </ul>	In the last year, approx..2000 KL of rain water is being used in the process, thus reducing the freshwater consumption
<b>Forums within Infosys to create awareness and drive the environment initiative</b>	<ul style="list-style-type: none"> <li>• Drive the initiative through and by the employees with management support.</li> </ul>	
	<ul style="list-style-type: none"> <li>• ARPAN for all sustainability related activities.</li> <li>• VOY ( Voice of Youth) driving thru various</li> </ul>	

	campaigns <ul style="list-style-type: none"> <li>• Eco club Team which works with consultants to implement to the latest technologies available.</li> <li>• HALE (Health Assessment and Life Enrichment)</li> <li>• E waste drive and pollution check drive conducted by the Eco-club</li> </ul>	
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## ***PART-I***

### **MISCELLANEOUS:**

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

Water is used in kitchens, toilets and the domestic sewage generated is recycled through Sewage Treatment Plant and recycled water is used for Landscaping, flushing and cleaning of paths. Dry sludge is used as manure in the campus

LED lights in place of halogen lights and CFL's is being used in the campus.

We have made conscious effort to switch over to refrigerants with a zero ODP and this has resulted in the use of R410A, R407C and R134A.

Food waste generated form the food court is being treated in the Composter along with garden waste for manure production and in turn being used in landscaping.

The waste bins are identified with colour codes, awareness trainings are in place to ensure proper segregation at the source.

The disposal paper cups, bowls, plates etc. are replaced with reusable containers, which has drastically reduced our waste generation.

### **Reduction in the generation of:**

#### **I. Effluents**

Following are few of the clean technologies implemented to minimize generation of waste water:

- Flow restrictors for water taps, showers and health faucet
- Water less urinals are used as a pilot project.

#### **II. Emissions**

- Low sulphur diesel is used for DG sets.

- Diesel boiler is replaced with Steam boiler.

### **III. Hazardous / solid waste**

- The food waste generated is routed to in-house 200 kg per day capacity composter plant. The manure generated is being used in landscape area.
- The disposables paper cups and plates are replaced with reusable cups and plates. This has helped us in eliminating all the waste and in turn reduction in paper waste generation.
- Placed awareness signage near the dishwasher and food waste collection area to aware the employees for generating less food waste.

#### **Steps for reuse / recycle of waste:**

Waste is segregated at source by colour coded bins. The waste is routed to scrap yard and segregated waste is kept in designated locations for disposal. Waste generated is disposed through authorized vendors. For hazardous waste the vendors with necessary approvals from CPCC only entertained.