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Date: 28th Sep 2023

CPCB/FORM-V/2022-2023/01

The Member Secretary
Chandigarh Pollution Control Committee
Paryavaran Bhavan, Madhya Marg,
Chandigarh- 160019

Dear Sir/Madam,

Subject: Submission of Environmental Statement (Form-V) for Infosys Limited, Chandigarh

With reference to above subject, we herewith submit the Environmental Statement as provided under rule- 14 of the EPA act 1986 for FY 2022-23 for Infosys Limited, Chandigarh.

Enclosed:

1. Form -V for FY 2022-23
2. Copy of stack monitoring report
3. Copy of ambient air quality report
4. Copy of STP outlet water testing report

Yours Sincerely,

For INFOSYS LIMITED


Puneet Randhawa

Senior Regional Head - Facilities

Date: 28th Sep 2023



INFOSYS LIMITED

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ANNEXURE

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

Environmental Statement for the financial year 2022-23 ending with 31st March 2023

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:* **September 2022**

PART-B

Water and Raw Material Consumption:

i. Water consumption in m3/d

- Process :* **N.A**
- Cooling :* **15 M3 (for use at cooling tower makeup)**
- Domestic :* **10 M3 /d (for use at Office buildings, ECC, drinking water etc..)**
- Food Courts:* **15 M3 /d (for use at food courts, kitchens etc.,)**
- Others:* **30 M3 /d (for use at laundry, Laundromat, swimming pool etc.,)**
- Gardening :* **28 M3 (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	Parameters	Quantity of pollutants discharged (mass/day)	Concentration of pollutants discharged (Average)	Percentage of variation from prescribed standards with reasons
(a) Water	BOD	0.027 kg/day	6.7 mg/l	Within limits
	COD	0.113 kg/day	28 mg/l	
	TSS	0.034 kg/day	8.5 mg/l	
	Oil & Grease	<0.016 kg/day	<4 mg/l	
	pH	-	7.4	
(b) Air	Particulate Matter	0.065 kg/day	27.56 mg/Nm ³	Within limits
	Sulphur Dioxide(SO ₂)	0.036 kg/day	7.65 mg/Nm ³	
	Oxides of Nitrogen(NO ₂)	0.56 kg/day	12.85 mg/Nm ³	
	Carbon Monoxide(as CO)	0.052 kg/day	1.8 mg/Nm ³	



PART-D

HAZARDOUS WASTES

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

Hazardous Wastes Total Quantity (Kg)	During the current financial year (2021-22)	During the current financial year (2022-23)
1. From Process	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 Bio medical waste-13.25 kgs	Used Oil- 1250 liters DG Filters- 106 kg Oil soaked cotton- 14 kg Discarded Cans= 1245 Kg's Bio medical waste-57.80kg
2.From Pollution Control Facilities	Not Applicable	Not Applicable



PART - E

SOLID WASTES:

Solid Wastes Total Quantity (Kg)	During the current financial year(2021-22)	During the current financial year(2022-23)
a. From process	<ul style="list-style-type: none"> • E waste-17330 kgs • Metal waste: 37650 Kgs • Mixed garbage: 3931 Kgs • Paper / cardboard waste: 2133 Kgs • Plastic waste: 5205 Kgs • Wood waste: 3225 Kgs • Garden Waste: 30290 Kg's • Glass Waste: 16335 Kg's 	<ul style="list-style-type: none"> • E waste-13616 kgs • Metal waste: 5485 Kgs • Mixed garbage: 11695 Kgs • Paper / cardboard waste: 2170 Kgs • Plastic waste: 2020 Kgs • Wood waste: 1185 Kgs • Garden Waste: 27440 Kg's • Glass Waste: 1550 Kg's
b. From Pollution Control Facility	Not Applicable	Not Applicable
c. Quantity recycled or re- utilized within the unit.	<p>Sludge-6820 kg (Used as manure for landscape)</p> <p>Food waste is treated inhouse through composter. All other solid wastes are disposed to the registered recyclers</p>	<ul style="list-style-type: none"> • Sludge- 5550 kg (Used as manure for landscape) <p>Food waste is treated inhouse through composter. All other solid wastes are disposed to the registered recyclers</p>



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.

HW	2022-23	Authorized Vendor	Disposal Method
Used oil	720 Liter	Golden Petro	Distillation with clay treatment is done which results into lube oil production
DG filters	106 kg's	Bharat Oil and Management	Incineration
Oil soaked cotton	14 kg's	Bharat Oil and Management	Incineration
Chemical Cans	1245 kg's	Bharat Oil and Management	TSDf

Non - Hazardous Wastes	Disposal
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 the last three years when we calculate on a 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 rooms for better employee interaction and a step towards saving the environment.
11. Installation of smart irrigation system throughout the campus for better utilization of recycled water in landscape areas as per the plant requirements.
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 is under AMC, this helps to keep them efficient thus decreasing the pollution
15. Installation of a de-composter for the processing of food waste and garden waste into manure for re-using in the 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.

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.

A handwritten signature, possibly "Phan", is enclosed within a hand-drawn circle. The signature is written in a cursive style.