

IL-SEZ/HYD/FAC/FORMV/050924

Sep 05, 2024

Environmental Engineer
Regional Office -1,
Telangana State Pollution Control Board
Ward No.91, 2nd Floor, H-No.6-3-1219, Block C, Backside of country club,
Kundanbagh, Umanagar, Begumpet,
Hyderabad

Dear Sir,

Sub: Submission of FORM V – Environmental Statement – Reg.

With reference to the above subject, we are hereby submitting the Environmental Statement (FORM V) for the financial year 2023-2024 of following campus:

**Infosys Limited
Special Economic Zone, Survey No. 50 (Part), 51, 54, 49, 44 & 45 (Part), 41
(Part), 36 (Part), Pocharam Village,
Singapore Township Post Office, Ghatkesar Mandal,
Medchal – Malkajgiri – District
500 088**

Kindly acknowledge the receipt of the same.

Thanking you,

Yours sincerely,
For Infosys Limited

Venkatesh Sangam

**(Venkatesh Sangam)
Regional Head - Facilities**



Encl: a/a

**CC: Telangana State Pollution Control Board
A-3, Paryavaran Bhavan, Sanath Nagar Rd, Sanath Nagar Industrial Estate,
Sanath Nagar, Hyderabad, Telangana 500018**



INFOSYS LIMITED
SEZ Survey No. 41 (pt) 50 (pt)
Pocharam Village
Singapore Township PO
Ghatkesar Mandal
Malkajgiri – Medchal District
Hyderabad 500 088, India
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Corporate Office:
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FORM-V

ENVIRONMENTAL STATEMENT

Environmental Statement for the financial year ending with 31st March 2024

PART-A

*i. Name and address of the owner/
occupier of the industry*

Infosys Limited
Survey Nos. 50, (part), 51, 54, 49, 44 & 45
(part), 41 (part), 36 (part), 58 (part) , 60
(part), Pocharam Village
Ghatkesar Mandal, Medchal – Malkajgiri –
District, – 500 088, Telangana
Board No: +91-40-40600000

operation or process.

:IT/ITES

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

iii. Production category. Units.

: Software Development

iv. Year of establishment

2010

v. Date of the last environmental statement submitted. 29-Sep-2023

PART-B

Water and Raw Material Consumption:

i. Water consumption in m³/d

Process: N.A

Cooling: 59 m³/d

Domestic: 810 m³/d

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) (2023-24)			Concentration of Pollutants discharged (mass/volume) (2023-24)			Percentage of variation from prescribed standards with reasons.
(a) Water	pH:	-	7.77	pH:		7.69	No variation from Standard
	BOD:	Kg/day	4.42	BOD:	mg/L	4.17	
	COD:	Kg/day	26.83	COD:	mg/L	22.67	
	Suspended Solids:	Kg/day	<5	Suspended Solids:	mg/L	<5	
	Residual Chlorine:	Kg/day	1.15	Residual Chlorine:	mg/L	1.15	
	Ammonical Nitrogen:	Kg/day	2.96	Ammonical Nitrogen:	mg/L	3.46	

(b) Air	NOx:	Mg/N	123.6	NOx:	mg/NM3	144.78	No variation from Standard
		M3	0		PM:	mg/NM3	
	PM:	Mg/N	12.99	SOx:	mg/NM3	0.00	
		M3					
	SOx:	Mg/N	0.00				
		M3					

PART-D

HAZARDOUS WASTES

(as specified under Hazardous Wastes (Management & Handling Rules, 2016).

	Hazardous Waste	Limits as per CFO	Total Quantity	
			During the previous Financial year (2022-23)	During the current financial year (2023-24)
1. From Process	Chemical cans /containers	800No's/A	-	-
	DG filters:	175No's/A	94	-
	Air Filters	20 No's/A	13	-
	Oil-Soaked Cotton waste:	25Kgs/A	6	-
	Paint cans/ containers:	300No's/A	-	-
	Used oil from DG set	4.5kL/A	2.130	3.63
2.From Pollution Control Facilities			NA	NA

PART - E

SOLID WASTES:

	Type of Solid Wastes	Units	Total Quantity	
			During the previous Financial year 22-23	During the current financial year 23-24
a. From process	Food waste:	Kgs	67215.74	152754
	Garden waste:	Kgs	549735.77	647700
	Glass:	Kgs	880	3740
	Kitchen Used Oil:	KL	125.550	510.610
	Metal waste:	Kgs	15820	6520
	Mixed garbage:	Kgs	9087.60	19796
	Paper	Kgs	-	22445
	cardboard waste:	Kgs	5800	11490
	Shredded Paper:	Kgs	1800	2215
	Plastic waste:	Kgs	-	18850
	Thermocol:	Kgs	530	515
	Wood waste	Kgs	5480	1500
Coffee and Tea Wastage:	Kgs	766	1942	
b. From Pollution Control Facility	STP Sludge:	Kgs	35,000	122482

c. Quantity recycled or re-utilized within the unit.			<ul style="list-style-type: none"> • Food waste is treated inhouse through biogas and OWC • STP sludge is treated through solar sludge drying bed • Garden waste is utilized for mulching. • All other solid wastes are disposed to the registered recyclers. 	<ul style="list-style-type: none"> • Food waste is treated inhouse through biogas and OWC • STP sludge is treated through solar sludge drying bed • Garden waste is disposed to the registered vendor for recycling and utilized for inhouse mulching. • All other solid wastes are disposed to the registered recyclers.
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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.

Waste is segregated at source. The segregated waste is routed to waste yard and disposal to authorized recyclers. Also, the color for bins has been devised and implemented for different types of waste.

The color codes are as follows:

- Green for bio-degradable waste
- Red for toxic waste
- Blue for dry recyclable waste
- Grey for e-waste

A focused approach to solid waste management has resulted in better disposal systems. Solid waste included all the Non-hazardous waste viz..., paper/cardboard waste, plastic waste, metal waste, wood waste and garden waste. We have dedicated staff to manage the Effluents, Emissions, Hazardous/Bio-medical/Solid waste and all contractual are trained on waste management.

Bio-Medical Waste: Bio-medical waste and sanitary waste related tissue papers, masks & gloves are sent to registered TSPCB authorized incinerator. Also, ensure appropriate BMW segregation, we conduct trainings to the identified BMW handles on regular intervals.

Waste Category	Units	Total Quantity	
		During the previous Financial year (2022-23)	During the current financial year (2023-24)
Biomedical including sanitary waste	Kgs	8524.59	5027.37

Hazardous waste: All the hazardous waste generated are segregated the disposed through authorized recyclers for recycling.

Soil contamination and pollution prevention measures: All waste are stored at dedicated storage areas, provided with secondary containment which are leachate proof.

On/off-site management procedure: Waste generated is segregated at sources and disposal through authorized recyclers. Bio-medical waste, Oiled filters, cotton waste & paint waste are sent to TSPCB authorized recycler for incineration with control mechanisms in place. The process of waste segregation at the sources is in place. The Segregated waste is routed to waste yard and disposed to authorized recyclers. Following are the type of waste and disposal methodology.

Non-Hazardous waste: Waste like papers, plastic, metal, wood, Thermocol and glass are segregated disposed to registered recyclers/ re-processors for further process.

E-waste: E-waste is disposal only through TSPCB/CPCB authorized vendors. To collect the e-waste generated, bins with grey color code is placed at prominent locations, the employees and contractual staff can put the e-waste into this bin, which prevents e-waste mixing with general waste.

Waste Category	Units	Total Quantity	
		During the previous Financial year (2022-23)	During the current financial year (2023-24)
E waste sent to recycler:	Kgs	18230	8615

Batteries: The generated batteries are stored in designated place for disposal. These batteries are disposal to authorized recycler. Further the batteries are dismantled by vendor partner to separate spent sulphuric acid, plastic/metal plates, and secondary lead alloys. Lead alloy is smelted and made as fresh lead ingots.

Food Waste: OWC-Organic Waste Converter (OWC) of 2tons per day capacity is installed and is used to convert organic waste into homogenized odor-free output through Bio Mechanical process and is converted into COMPOST within two weeks which can used as manure for landscape. Also, our Garden waste has been mixed along with food waste and fed into OWC.

We have our own Biogas plant for 1.75 tons capacity wherein about 400 kgs/day of Food waste is feed into digester. The technology used here is "Dry digestion" where there is minimal/no used of water compared to any conventional system. The produced gas is used daily for the cooking needs in the kitchen. Also, we have taken an initiative to enhance the process for proper segregation & disposal of Food waste.

Hazardous waste	
Used Oil	Sent to TSPCB registered vendor Supreme Lubricants, Hyderabad.
Oil filters & Oil soaked cotton	Sent to TSPCB registered vendor TES-AMM, Hyderabad
E-Waste	Sent to TSPCB approved vendor ELIMA, Hyderabad
Bio-medical waste	Sent to TSPCB approved vendor GJ Multiclave, Hyderabad
Discarded containers	Sent to TSPCB approved vendor TES-AMM, Hyderabad
Non- Hazardous waste	
Paper, plastic, wood etc.	Segregated at source and disposed to registered recyclers / re processors
Mixed waste	Segregated at source and disposed to registered recycler / re processor
STP sludge	Used as manure for trees and plants inside the campus
Garden waste	Used for mulching and composting
Food waste	Used for biogas production & composting.

PART-G

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

- Infosys Hydsez campus is having 1680 KLD Sewage treatment plant (MBR-1100 KLD & Conventional treatment system – 400 KLD Sequential Batch Reactor-SBR-180 KLD) & 50 KLD LETP. STP Outlet samples are tested regularly, and reports are submitted to TSPCB on quarterly basis.
- 6 DG sets having capacity of 14,000 kVA is installed, stack emission and noise levels are tested and reported to TSPCB.
- Installed Solar Plant capacity of Rooftop 1.12 MW & Ground mount 6.63 MW. 54% of power used in our campus is from renewable sources.
- Taken various measures in the campus to ensure optimum use of power and water.
- Single use plastics are banned in the campus.
- Eighteen Electrical vehicles procured and used for employee movement. Battery operated Golf carts, goods carts, Electric bikes and Electric auto trolley are used in the campus.
- To create environment related awareness among employees, various activities were conducted.
- Campus declared as non-smoking zone.
- Campus has 8 lakes which can store up to 10 crore liters of rainwater.
- Campus has 9 No.s injection wells
- Planted 1.67 lakh saplings in campus so far.

PART - H

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

- Reduction in electricity consumption: 5% per capita (Based on consumption for FY2024) by March 31st 2025**
- Reduction in freshwater consumption: 5% per capita (Based on consumption for FY2024) by March 31st 2025**
- Reduction in freshwater consumption: Implementation of roof RWH in phased manner by March 31st, 2025.
- Reduction in freshwater consumption: Implementation of dual plumbing for buildings to utilize the STP treated water for flushing by March 31st, 2025.
- Waste Management - Zero Waste to Landfill by FY2030: Zero landfill certifications by March 31, 2025.
- Reduction in freshwater consumption in ECC: Maintain per capita consumption at NBC level of 135 liters per day.
- Reduction in freshwater consumption in ECC: Explore feasibility and installation of dual plumbing to reduce freshwater consumption by March 31st, 2025.
- Enhance competency of contractual workforce: Training / certification through recognized institution for identified critical resources by September 30th, 2024

PART-I

MISCELLANEOUS:

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

1. Water is used in Buildings, kitchens, toilets and the domestic sewage generated is recycled through Sewage Treatment Plant (Membrane Bio Reactor) and used for landscaping and HVAC chiller
2. STP sludge will be treated inhouse in solar sludge dry bed and used as manure in the campus
3. Established organic waste converter to treat canteen waste for making the compost which will be used for gardening and landscaping.
4. Established Biogas plant (1.75 ton/day) for converting canteen (food) waste to LPG equivalent gas.

Enclosures:

1. Copy of Test Report for Treated Sewage
2. Copy of Test report for Air Quality & Noise