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IL-SEZ/HYD/FAC/FORMV/270922 **Sep 27, 2022**

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 2021-2022 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)
Regional Head - Facilities

Encl: a/a

T.S. Pollution Control Board ★ Regional Office-I, R.R. District. ★ No. Date. 28/9/22

T.S. POLLUTION CONTROL BORD ★ 28 SEP 2022 ★ Paryavarana Bhuavan, A-3, IE Sanathnagar, Hyd-18

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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Bengaluru 560 100, India
T 91 80 2852 0261
F 91 80 2852 0362
askus@infosys.com
www.infosys.com

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 ***Software*** Industry
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day) 20-21			Concentration of Pollutants discharged (mass/volume) 21-22			Percentage of variation from prescribed standards with reasons.
(a) Water	pH :	-	7.37	pH :		7.63	No variation from Standard
	BOD :	Kg/day	1.03	BOD :	mg/L	2.83	
	COD :	Kg/day	5.19	COD :	mg/L	16.17	
	Suspended Solids :	Kg/day	0.98	Suspended Solids :	mg/L	1.80	
	Residual Chlorine :	Kg/day	0.26	Residual Chlorine :	mg/L	1.00	
	Ammonical Nitrogen :	Kg/day	0.31	Ammonical Nitrogen :	mg/L	2.53	
(b) Air	NOx:	Kg/day	2.9498	NOx:	mg/NM3	137.96	No variation from Standard
	PM:	Kg/day	4.0279	PM:	mg/NM3	31.31	
	SOx:	Kg/day	8.1616	SOx:	mg/NM3	49.21	

PART-D

HAZARDOUS WASTES

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

	Hazardous Waste		Total Quantity	
		Limits as per CFO	During the previous Financial year (2020-21)	During the current financial year (2021-22)
1. From Process	Chemical cans /containers	800No's/A	-	32
	DG filters:	175No's/A	-	142
	Oil-Soaked Cotton waste:	25Kgs/A	-	10
	Paint cans/ containers:	300No's/A	-	454 Kgs
	Used oil from DG set	4.5kL/A	2.76	1.137
2.From Pollution Control Facilities			NA	NA

PART - E

SOLID WASTES:

	Type of Solid Wastes	Units	Total Quantity	
			During the previous Financial year *20-21*	During the current financial year 21-22
a. From process	Food waste:	Kgs	28120.00	14700.00
	Garden waste:	Kgs	846828.89	657183.30
	Glass:	Kgs	3955.00	-
	Kitchen Used Oil:	KL	0.097	0.021
	Metal waste:	Kgs	15553	21880
	Mixed garbage:	Kgs	14764.55	8439.35
	Paper	Kgs	530.00	-
	cardboard waste:	Kgs	3395	6370
	Shredded Paper:	Kgs	430.00	1510.00
	Plastic waste:	Kgs	5895	3650
	Thermocol:	Kgs	135	350
	Wood waste	Kgs	10440	10300
	Coffee and Tea Wastage:	Kgs	1003.70	995.70
b. From Pollution Control Facility	STP Sludge:	Kgs	1,01,600.00	2,000.00
c. Quantity recycled or re-utilized within the unit.		•	• Food waste is treated inhouse through biogas and OWC • STP sludge is treated through solar sludge drying bed • Garden waste is utilized for	• 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.	mulching • 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.

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, sanitary waste and Covid-19 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 (2020-21)	During the current financial year (2021-22)
Biomedical including sanitary waste	Kgs	2245.40	4513.81

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 KSPCB 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 (2020-21)	During the current financial year (2021-22)
E waste sent to recycler:	Kgs	-	70,006.26

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 2tons capacity wherein about 40 kgs/day of Food waste is fed 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 TES-AMM, 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 monthly reports are submitted to TSPCB
- Six DG dets having capacity of 14,000 kVA is operational, stack emission and noise levels are tested and reported to TSPCB on a monthly basis.
- Installed Solar Plant capacity of Rooftop 1124 kW & 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 9 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

Infosys committed to reduce 5% of absolute electricity consumption of FY2021 by March 31, 2022
Infosys committed to reduce 5% of absolute water consumption of FY2021 by March 31, 2022
Infosys committed to phase out R22 gas by March 23
Infosys planning for plantation of 5,000 saplings for the FY 2022-23.

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 (2 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