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**IL-SEZ/HYD/FAC/220921** **September 22, 2021**

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: Re-Submission of FORM V – Environmental Statement – Reg.**

With reference to the above subject, we are hereby re-submitting the Environmental Statement (FORM V) for the financial year 2020-21 of following campus:

**Infosys Limited**
**#210, Manikonda Village, Lingampally,**
**Ranga Reddy District, Hyderabad – 500 032**

Kindly acknowledge the receipt of the same.

Thanking you,

Yours sincerely,
**for Infosys Limited**

**Authorized Signatory**

Encl: a/a

T.S. Pollution Control Board * Regional Office-I, R.R. Dist. * No. Date 23/09/21

**CC: Telangana Pollution Control Board**
**A3, Industrial Estate, Sanathnagar,**
**Hyderabad - 500018**

T.S. POLLUTION CONTROL BOARD * Parivaarana Bhavan, A-3, IE Sanath Nagar, Hyd-18. * 22 SEP 2021

**INFOSYS LIMITED**
Survey No. 210
Manikonda Village, Lingampally
Rangareddy (Dist.)
Hyderabad 500 032, India
T 91 40 6642 0000
F 91 40 2300 5223

Corporate Office:
CIN: L85110KA1981PLC013115
44, Infosys Avenue
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Bengaluru 560 100, India
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**FORM-V**

**ENVIRONMENTAL STATEMENT**

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

***PART-A***

*i. Name and address of the owner/ occupier of the industry* — Infosys Limited
210, Manikonda Village
Rajendranagar Mandal, Gachibowli,
Lingampally, RR Dist, Hyderabad – 500 032

*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* — 2000

*v. Date of the last environmental statement submitted. June 2020*

***PART–B***

***W**ater and Raw Material Consumption: 191 M3 per day*

*i. Water consumption in m3/d*

*Process :* *N.A*

*Cooling :* *14 M3 (for use at cooling tower makeup)*

*Domestic :* *36 M3 /d (for use at Office buildings, ECC, drinking water etc..)*

*Food Courts:* *04 M3 /d (for use at food courts, kitchens etc.,)*

*Others:* *28 M3 /d (for use at laundry, Laundromat, swimming pool etc.,)*

*Gardening :* *40 M3 (only recycled water)*

| 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) | | | Concentration of Pollutants discharged (mass/volume) | | | Percentage of variation from prescribed standards with reasons. |
|---|---|---|---|---|---|---|---|
| (a) Water | pH : | - | 6.97 | pH : | | 6.97 | No Variation from Standard. |
| | BOD : | Kg/day | 0.75 | BOD : | mg/L | 4.50 | |
| | COD : | Kg/day | 3.87 | COD : | mg/L | 23.08 | |
| | Suspended Solids : | Kg/day | 0.92 | Suspended Solids : | mg/L | 5.50 | |
| | Residual Chlorine : | Kg/day | 0.15 | Residual Chlorine : | mg/L | 0.91 | |
| | Ammonical Nitrogen : | Kg/day | 0.42 | Ammonical Nitrogen : | mg/L | 2.49 | |
| (b) Air | NOx: | Kg/day | 0.42 | NOx: | mg/NM3 | 57.24 | No variation from Standard |
| | PM: | Kg/day | 0.52 | PM: | mg/NM3 | 70.50 | |
| | SOx: | Kg/day | 0.73 | SOx: | mg/NM3 | 99.50 | |

## *PART-D*

***HAZARDOUS WASTES***

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

| Hazardous Wastes | Total Quantity (Kg) | |
|---|---|---|
| | During the previous Financial year (2019-20) | During the current financial year (2020-21) |

| | | |
|---|---|---|
| 1. From Process | • 1820 liters of used oil from operation and maintenance of DG sets.<br>• 9500 liters of transformer used oil from operation and maintenance of transformer (oil generated first time after installation of transformer)<br>• Chemical cans-890 Kgs<br>• Cables-9940 kgs<br>• CFL/light bulbs-89 kgs | • 2.54 KL of used oil from operation and maintenance of DG sets.<br>• Chemical cans-229.78 Kgs<br>• Cables-3504.75 kgs<br>• CFL/light bulbs-NIL<br>• Catridges-245 kgs<br>• Oil-soaked cotton-20kgs<br>• UPS batteries-11606 kgs<br>• DG filters-120 kgs |
| 2.From Pollution Control Facilities | NA | NA |

***PART - E***

***SOLID WASTES:***

| Solid Wastes | Total Quantity (Kg) | |
|---|---|---|
| | During the previous Financial year 19-20 | During the current financial year 20-21 |
| a. From process | • E waste-34340 kgs<br>• Bio medical waste-3100.96 kgs<br>• Food waste: 302345.08 Kgs<br>• Garden waste: 484025 Kgs<br>• Glass: 7900 Kgs<br>• Metal waste: 39588 Kgs<br>• Mixed garbage: 6435.72 Kgs<br>• Paper / cardboard waste: 20050 Kgs<br>• Plastic waste: 6870 Kgs | • E waste-13535.55 kgs<br>• Bio medical waste-1992.94 kgs<br>• Food waste: 10148.01 Kgs<br>• Garden waste: 255267 Kgs<br>• Glass: 7620 Kgs<br>• Metal waste: 14440 Kgs<br>• Mixed garbage: 2774.90 Kgs<br>• Paper / cardboard waste: 14100 Kgs<br>• Plastic waste: 3670 |

| | | |
|---|---|---|
| | • Thermocol:2360 Kgs<br>• Wood waste: 42180 Kgs<br>• Sugar Cane Wastage: 20816.14 Kgs<br>• Coconut Wastage: 49481.05 Kgs<br>• Soaps-68.05 kgs | Kgs<br>• Wood waste: 9900 Kgs<br>• Thermocol-31.82 kgs<br>• Styrofoam-184.25 kgs |
| b. From Pollution Control Facility | Sludge-72515 Kgs (Used as manure for landscape) | Sludge- NIL |
| c. Quantity recycled or re-utilized within the unit. | • Food waste is treated inhouse through biogas<br>• All other solid wastes are disposed to the registered recyclers | • Food waste is treated inhouse through biogas<br>• 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.*

| Hazardous Wastes | Disposal |
|---|---|
| Used oil | Disposed to TSPCB registered vendor Indian Tarcol, Hyderabad |
| Oil filters & Oil-soaked cotton | Disposed to TSPCB registered vendor earth sense, Hyderabad. |
| Discarded containers | Disposed to TSPCB registered vendor earth sense, Hyderabad. |

| Non - Hazardous Wastes | Disposal |
|---|---|
| Paper, Plastic, Wood | disposed to registered recyclers / re processors. |
| Mixed waste | mixed waste generated from food court is sent to municipal corporation. |
| STP sludge | Used as manure for landscape |
| Garden waste | Disposed MSW vendor, Hyderabad |
| Food waste | Used for biogas production |

| Other Wastes | Disposal |
|---|---|
| E waste. | Disposed to TSPCB registered vendor earth sense, Hyderabad. |
| Bio medical waste | Disposed to TSPCB approved vendor Medicare, Hyderabad |

***PART-G***

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

- Infosys Hydstpi campus is having 600 KLD Sewage treatment plant (MBR) & 50 KLD LETP. STP Outlet samples are tested regularly, and monthly reports are submitted to TSPCB
- Five DG dets having capacity of 10,000 kVA is operational, stack emission and noise levels are tested and reported to TSPCB monthly.
- Installed Solar Plant capacity of Rooftop 983.8 kW
- Taken various measures in the campus to ensure optimum use of power and water
- Single use plastics are banned in the campus.
- To create environment related awareness among employees, various activities were conducted.
- Campus declared as non-smoking zone.
- Campus has 8 No's injection wells

***PART - H***

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

- 25% reduction in annual power consumption based on FY20-21
- 30% reduction in freshwater consumption based on FY20-21
- 25% reduction of categories of single-use plastic

***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 used:

1. For Landscaping
2. For Washing of internal roads
3. As manure in the campus (dry sludge)
4. Established a vermin-culture where the raw materials are STP sludge and canteen waste for making the vermin compost which is finally for gardening and landscaping. The outside discharge is nil.
5. Established Biogas plant (1 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

vitro labs

AN ISO 9001-2015 and OHSAS CERTIFIED COMPANY

2-2-647/A/3, 3rd Floor, Shivam Road, Hyderabad-500 013.
Phone : 040-27421389, Fax: 040-27423532, E-mail: labsvitro@yahoo.com, vitrolabs@gmail.com
Web : www.vitrolabs.net, www.vitrolabsindia.com
(Recognized by the Ministry of Environment & Forest, GOI)

# TEST CERTIFICATE

M/s. Infosys Limited,
Survey No 210, Manikonda Village,
Lingampally, Ranga Reddy Dist,
Hyderabad-500019

Ref : VLITL/SM/ MAR/12/2021

Date : 24.03.2021

| Sample Details | Noise level monitoring - spot noise level |
|---|---|
| Date of Monitoring | 03.03.2021 |
| Units | dB(A) |

TEST CERTIFICATE

| Sl | Name of Location | Values in dB(A) DAY Time | Values in dB(A) NIGHT Time |
|---|---|---|---|
| 1. | Near DG Room – Phase - 1 On condition | 65.5 | 62.4 |
| 2. | Near DG Room – Phase - 1 Off condition | 54.3 | 51.3 |
| 3. | Near DG Room – Phase - 2 On condition | 64.1 | 61.0 |
| 4. | Near DG Room – Phase - 2 Off condition | 56.6 | 52.2 |
| 5. | STP Inside | 64.8 | 60.6 |
| 6. | STP Outside | 62.7 | 59.0 |
| 7. | UGR – 1 INSIDE | 64.4 | 61.3 |
| 8. | UGR – 2 INSIDE | 65.0 | 62.0 |
| 9. | UGR – 1 OUTSIDE | 64.8 | 60.5 |
| 10. | UGR – 2 OUTSIDE | 60.1 | 54.7 |
| 11. | PHASE – 1 CHILLERS AREA | 62.5 | 60.8 |
| 12. | PHASE – 2 CHILLERS AREA | 63.0 | 61.1 |

Noise Exposure Limit(CPCB)

| Area | Limits dB(A) Leq | |
|---|---|---|
| | Day Time | Night Time |
| Industrial Area | 75 | 70 |
| Commercial Area | 65 | 55 |
| Residential Area | 55 | 45 |
| Silence Area | 50 | 40 |

| Equipment Name | Digital Sound Level Meter |
|---|---|
| Make | LUTRON |
| Model & Serial / ID No | SL4033SD Q626625 |
| Calibration Date | 08.02.2021 |
| Calibration Due Date | 07.02.2022 |

Authorised Signatory

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AN ISO 9001-2015 and OHSAS CERTIFIED COMPANY

2-2-647/A/3, 3rd Floor, Shivam Road, Hyderabad-500 013.
Phone : 040-27421389, Fax: 040-27423532, E-mail: labsvitro@yahoo.com, vitrolabs@gmail.com
Web : www.vitrolabs.net, www.vitrolabsindia.com
(Recognized by the Ministry of Environment & Forest, GOI)


## TEST CERTIFICATE

| | |
|---|---|
| M/s. Infosys Limited,<br>Survey No 210, Manikonda Village,<br>Lingampally, Ranga Reddy Dist,<br>Hyderabad-500019 | Ref : VL/ITL/SM/ MAR/11/2021<br>Date : 24.03.2021 |

### TEST CERTIFICATE

| | |
|---|---|
| Sample Details | AMBIENT AIR QUALITY |
| Location Details | NEAR STP AREA |
| Date of Monitoring | 03.03.2021- 04.03.2021 |
| Duration | 10.25 A.M – 10.25 A.M |

| S.No | Parameters | Units | Method | Result | Limits |
|---|---|---|---|---|---|
| 1. | Particulate Matter – $PM_{10}$ | $\mu g/m^3$ | USEPA (Gravimetric) | 24 | 100 |
| 2. | Particulate Matter – $PM_{2.5}$ | $\mu g/m^3$ | USEPA (Gravimetric) | 12 | 60 |
| 3. | Sulphur Dioxide Conc. | $\mu g/m^3$ | IS 5182 (Part II) | 11 | 80 |
| 4. | Oxides of Nitrogen | $\mu g/m^3$ | IS 5182 (Part VI) | 13 | 80 |
| 5. | Carbon Monoxide Conc. | $\mu g/m^3$ | IS 5182 (Part X) | 700 | 2000 |
| 6. | Ozone (O3) | $\mu g/m^3$ | APHA | 08 | 100 |
| 7. | Lead Conc (Pb) | $\mu g/m^3$ | APHA | 0.07 | 1.0 |
| 8. | Ammonia Conc (NH3) | $\mu g/m^3$ | APHA | 08 | 400 |
| 9. | Benzene (C6H8) | $\mu g/m^3$ | IS 5182 (Part-XI) | <0.05 | 05 |
| 10 | Benzo(a) Pyrene | $ng/m^3$ | APHA | <0.01 | 01 |
| 11 | Arsenic (As) Conc | $ng/m^3$ | APHA | <0.01 | 06 |
| 12 | Nickel(Ni) | $ng/m^3$ | APHA | <0.01 | 20 |

Note : The above parameters are carried out as per IS : 5182/ APHA methods, and the results are within PCB limits and National AAQ Standards.

**APHA : AMERICAN PUBLIC HELATH ASSOSCIATION**

**INSTRUMENT DETAILS**

| | | |
|---|---|---|
| 1 | Instrument | Fine Particulate Sampler |
| 2 | Instrument Make | Envirotech Instruments Pvt Ltd |
| 3 | Model & Sl.No | APM 460 (Sl.No. 474) |
| 4 | Date of Calibration | 02.12.2020 |
| 5 | Next Calibration Due Date | 01.12.2021 |

Authorised Signatory

# vitro labs

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2-2-647/A/3, 3rd Floor, Shivam Road, Hyderabad-500 013.
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Web : www.vitrolabs.net, www.vitrolabsindia.com
(Recognized by the Ministry of Environment & Forest, GOI)


## TEST CERTIFICATE

EFFLUENT ANALYSIS REPORT

| | | |
|---|---|---|
| Our Ref: | 108/ENV | Issued To: |
| Reporting Date: | 17.03.2021 | M/s. Infosys Ltd, |
| Collected On: | 03.03.2021 | Survey No 276, Manmaram (vill), |
| Sample Particulars: | STP - OUTLET WATER | Lingampally, Ranga Reddy Dist, Hyderabad-500019 |

### TEST RESULTS

| Sl.No. | Parameters | Units | Result | Standards |
|---|---|---|---|---|
| 01 | pH | — | 7.14 | 6.0-9.0 |
| 02 | Oil & Grease | (mg/l) | 1.10 | 10 mg/l |
| 03 | Bio Chemical Oxygen Demand(BOD) | (mg/l) | 08 | <10 mg/l |
| 04 | Chemical Oxygen Demand(COD) | (mg/l) | 35 | 250 mg/l |
| 05 | Ammonical Nitrogen | (mg/l) | 2.6 | 50 mg/l |
| 06 | Arsenic | (mg/l) | BDL | 0.2 mg/l |
| 07 | Mercury | (mg/l) | BDL | 0.01 mg/l |
| 08 | Lead | (mg/l) | 0.01 | 1.0 mg/l |
| 09 | Cadmium | (mg/l) | 0.01 | 1.0 mg/l |
| 10 | Hexavalent Chromium | mg/l | BDL | 2.0 mg/l |
| 11 | Total Chromium | (mg/l) | 0.01 | 2.0 mg/l |
| 12 | Zinc | (mg/l) | 0.29 | 15 mg/l |
| 13 | Copper | (mg/l) | 0.01 | 3.0 mg/l |
| 14 | Turbidity NTU | NTU | 2.9 | ≤2.0 NTU |
| 15 | Ecoli(MPN count/100ml) | (cfu/100ml) | Absent | None |
| 16 | Faecal Coliform | (cfu/100ml) | 13 | <100 |
| 17 | Residual Chlorine | (mg/l) | 1.0 | Preferably in the range of 1 mg/l – 3 mg/l |
| 18 | Total Nitrogen | (mg/l) | 2.8 | — |
| 19 | Total Dissolved Solids | (mg/l) | 980 | — |
| 20 | Total Suspended Solids | (mg/l) | 14 | 20 |

BDL – INDICATES: Below Detectable Limit < 0.01

Note: The above parameters are tested as per IS: 3025 methods and the results are within the norms

Authorised Signatory