

o/c

IL-STP/HYD/FAC/270923

September 27, 2023

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 2022-2023 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

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



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
Electronics City, Hosur Road
Bengaluru 560 100, India
T 91 80 2852 0261
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askus@infosys.com
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FORM-V

ENVIRONMENTAL STATEMENT

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

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. September 2022*

PART-B

Water and Raw Material Consumption: 421.3 M3 per day

i. Water consumption in m3/d

- Process: NA*
- Cooling: 50.6 M3 (for use at cooling tower makeup)*
- Domestic: 44.5 M3 /d (for use at Office buildings, ECC, drinking water etc.)*
- Food Courts: 17 M3 /d (for use at food courts, kitchens etc.,)*
- Others: 45.6 M3 /d (for use at laundry, Laundromat, swimming pool etc.,)*
- Gardening: 145,6 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
(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	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 (2021-22)	During the current financial year (2022-23)

1. From Process	<ul style="list-style-type: none"> • 1.95 liters of used oil from operation and maintenance of DG sets. • DG Filters-40 Kgs • Oil-soaked cotton-5 Kgs • Chemical cans-238.60 kgs • Paints cans-644.20 Kgs • Cables-55960 kgs • CFL/light bulbs-5500 kgs 	<ul style="list-style-type: none"> • 2126 Liters of used oil from operation and maintenance of DG sets. • Cables-104570 kgs • CFL/light bulbs-16320 Kgs • Oil-soaked cotton-5 kgs • UPS -520 kgs • DG filters-60 kgs • CFL/light bulbs-1620 Kgs • Transformer-7280 Kgs • Asbestos Sheets-3940 Kgs • E waste-10980 kgs • Bio medical waste-5036.05 kgs
2.From Pollution Control Facilities	NA	NA

PART - E

SOLID WASTES:

Solid Wastes	Total Quantity (Kg)	
	During the previous Financial year 21-22	During the current financial year 22-23
a. From process	<ul style="list-style-type: none"> • E waste-55810 kgs • Bio medical waste-868.16 kgs • Food waste: 8506.20 Kgs • Garden waste: 271926 Kgs • Glass: 75690 Kgs • Metal waste: 571680 Kgs • Mixed garbage: 1917.67 Kgs • Paper / cardboard waste: 14350 Kgs • Plastic waste: 20840 Kgs • Wood waste: 732240 Kgs • Chair Waste-51910. Kgs • Textile waste-4420. Kgs • Glass Wool-12830 Kgs • Styrofoam-2800. Kgs • Rubber waste-190.Kgs • Debris Waste-988750 Kgs 	<ul style="list-style-type: none"> • Garden waste: 333505 Kgs • Glass: 75020 Kgs • Metal waste: 698740 Kgs • Mixed garbage: 7881.51 Kgs • Paper / cardboard waste: 11640 Kgs • Plastic waste: 47690 Kgs • Wood waste: 439190 Kgs • Thermocol-3060 kgs • Styrofoam-720 kgs • Rubber waste-5330.Kgs • Glass Wool-54510 Kgs • Demolition/Construction Debris - 7937968.50 Kgs • Carpet tills-116520 Kgs • Venetian Blinds-2930 Kgs

b. From Pollution Control Facility	Sludge- NIL	Sludge- NIL
c. Quantity recycled or re-utilized within the unit.	100%	Food waste 126231kgs used for Biogas

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 Supreme lubricants Hyderabad
Oil filters & Oil-soaked cotton	Disposed to TSPCB registered vendor Supreme Lubricants Pvt Ltd, Hyderabad.
Discarded containers	NA

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 inhouse biogas production

Other Wastes	Disposal
E waste.	Disposed to TSPCB registered Tes Amm India Pvt Ltd, Medchal-Malkajgiri Dist.
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 sets 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 988.34 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

- Meet 100% electricity requirement through renewable sources
- Replacement of refrigerant gases with non-ozone depleting substances

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 Ambient Air Quality & Ambient Noise

Yours sincerely,

for Infosys Limited



Authorized Signatory



TC-5233



Name & Address of the Customers : M/s. INFOSYS LIMITED IL Hyderabad STP Unit, SDB 1-6, Survey No: 210, Manikonda Village, Lingampally Mandal, Ranga Reddy Dist Hyderabad, Telangana -		Test Report No. BSET/2023/WW-01261/A Lab Code No. 230923903 Issue Date 25/03/2023 Your Ref. LETTER : Dt.18/03/2023 Date of Receipt 18/03/2023
Sample Description WASTE WATER- STP outlet water	Quantity 2 ltrs + 500 ml Packing sealed bottle Tests Required As mentioned below	Date of Registration 18/03/2023 Date of commencement of testing 18/03/2023 Date of completion of testing 25/03/2023 Sample Condition of receipt Found Ok Sample Tested as received
Date of Sampling 17/03/2023 Sampling Method IS 3025 PART 1 Location of Sampling/Sample ID WASTE WATER- STP outlet water	Sampling Details Environment conditions Normal	
Discipline : chemical		Group : pollution&environment

TEST RESULTS

S.No.	Test Parameter	Units	Test Method	Results	Standards as per CFO
1	pH	-	IS: 3025, P 11	7.60	6.0-9.0
2	Oil & Grease	mg/l	IS: 3025, P 39	< 1	10 Max
3	Total Dissolved Solids @ 105 °C	mg/l	IS: 3025, P 16	954	2100 Max
4	BOD @27° for 3 days	mg/l	IS: 3025, P 44	4	10 Max
5	Chemical Oxygen Demand (C.O.D)	mg/l	IS: 3025, P 58	24	250 Max
6	Chloride as Cl	mg/l	IS: 3025, P 32	144	600 Max
7	Dissolved Phosphorous as P	mg/l	4500-P, D & E APHA 23rd Edn	0.33	NA
8	Sulphate as SO4	mg/l	IS: 3025, P 24	145	1000 Max
9	Copper as Cu	mg/l	3111 B, APHA 23rd Edn	< 0.05	3.0 Max
10	Zinc as Zn	mg/l	3111 B, APHA 23rd Edn	0.11	15.0 Max
11	Cadmium as Cd	mg/l	3111 B, APHA 23rd Edn	< 0.02	1.0 Max
12	Lead as Pb	mg/l	3111 B, APHA 23rd Edn	< 0.05	1.0 Max
13	Mercury as Hg	mg/l	3112 B, APHA 23rd Edn	< 0.002	0.01 Max

Reviewed By
B. GOWTHAMI
Sr. Analyst

Authorized Signatory
A.V. HANUMANTHA RAO
Director - Laboratory

Note : this report is subject to the terms and conditions mentioned overleaf.

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TC-5233



Name & Address of the Customers : M/s. INFOSYS LIMITED IL Hyderabad STP Unit, SDB 1-6, Survey No: 210, Manikonda Village, Lingampally Mandal, Ranga Reddy Dist Hyderabad, Telangana -		Test Report No. BSET/2023/WW-01261/A Lab Code No. 230923903 Issue Date 25/03/2023 Your Ref. LETTER : Dt.18/03/2023 Date of Receipt 18/03/2023
Sample Description WASTE WATER- STP outlet water	Quantity 2 ltrs + 500 ml Packing sealed bottle Tests Required As mentioned below	Date of Registration 18/03/2023 Date of commencement of testing 18/03/2023 Date of completion of testing 25/03/2023 Sample Condition of receipt Found Ok Sample Tested as received
Date of Sampling 17/03/2023 Sampling Method IS 3025 PART 1 Location of Sampling/Sample ID WASTE WATER- STP outlet water	Sampling Details Environment conditions Normal	
Discipline : chemical		Group : pollution&environment

TEST RESULTS

S.No.	Test Parameter	Units	Test Method	Results	Standards as per CFO
14	Total Arsenic as As	mg/l	3114 C, APHA 23rd Edn	< 0.01	0.2 Max
15	Total Chromium as Cr	mg/l	3111 B, APHA 23rd Edn	< 0.05	2.0 Max
16	Ammonical Nitrogen as N	mg/l	IS: 3025, P 34	3.2	50 Max
17	Hexavalent Chromium	mg/l	3500 Cr B, APHA 23rd Edn	< 0.05	2 Max
18	Free Residual Chlorine	mg/l	IS: 3025, P 26 (Iodometric Method)	1.2	1-3

End of Report

Reviewed By
B. GOWTHAMI
Sr. Analyst

Authorized Signatory
A.V. HANUMANTHA RAO
Director - Laboratory

Note : this report is subject to the terms and conditions mentioned overleaf.

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Name & Address of the Customers : M/s. INFOSYS LIMITED IL Hyderabad STP Unit, SDB 1-6, Survey No: 210, Manikonda Village, Lingampally Mandal, Ranga Reddy Dist Hyderabad, Telangana -		Test Report No. BSET/2023/WW-01261/B Lab Code No. 230923903 Issue Date 25/03/2023 Your Ref. LETTER : Dt.18/03/2023 Date of Receipt 18/03/2023
Sample Description WASTE WATER- STP outlet water	Quantity 2 ltrs + 500 ml Packing sealed bottle Tests Required As mentioned below	Date of Registration 18/03/2023 Date of commencement of testing 18/03/2023 Date of completion of testing 25/03/2023 Sample Condition of receipt Found Ok Sample Tested as received
Date of Sampling 17/03/2023 Sampling Method IS 3025 PART 1 Location of Sampling/Sample ID WASTE WATER- STP outlet water	Sampling Details Environment conditions Normal	
Discipline : chemical		Group : pollution&environment

TEST RESULTS

S.No.	Test Parameter	Units	Test Method	Results	Standards as per CFO
1	Colour	Hazen Units	IS: 3025, P 4	Colourless	Colourless
2	Total Suspended Solids	mg/l	IS: 3025, P 17	< 5	20 Max
3	Turbidity	NTU	IS:3025, P 10	< 1	2 Max
4	Total Nitrogen	mg/l	Neeri Method	5.2	10 Max

End of Report

Reviewed By
B. GOWTHAMI
Sr. Analyst

Authorized Signatory
A.V. HANUMANTHA RAO
Director - Laboratory

Note : this report is subject to the terms and conditions mentioned overleaf.

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TC-5233

PRAKASHANAM
PUBLICATIONS
PRAKASHANAM
PRAKASHANAM

Name & Address of the Customers : M/s. INFOSYS LIMITED IL Hyderabad STP Unit, SDB 1-6, Survey No: 210, Manikonda Village, Lingampally Mandal, Ranga Reddy Dist Hyderabad, Telangana -		Test Report No. BSET/2023/WW-01263 Lab Code No. 230923703 Issue Date 25/03/2023 Your Ref. LETTER : Dt.18/03/2023 Date of Receipt 18/03/2023
Sample Description WASTE WATER- STP outlet water	Quantity 250 ml Packing presterilized bottle Tests Required As mentioned below	Date of Registration 18/03/2023 Date of commencement of testing 18/03/2023 Date of completion of testing 21/03/2023 Sample Condition of receipt Found Ok Sample Tested as received
Date of Sampling 17/03/2023 Sampling Method BSET/SOP/WSP-01 Location of Sampling/Sample ID WASTE WATER- STP outlet water	Sampling Details Environment conditions Normal	
Discipline : Biological		Group : pollution&environment

TEST RESULTS

S.No.	Test Parameter	Units	Test Method	Results	Standards as per CFO
1	Faecal Coliforms	Mpn/100ml	APHA 23rd Edn, 9221	8	100 Max
2	E.coli	Mpn/100ml	APHA 23rd Edn, 9221	< 1.8	None (<1.8)

End of Report

Reviewed By
ESUKULLA PUJA
Microbiologist

Authorized Signatory
JULLURI LAKSHMI
Microbiologist

Note : this report is subject to the terms and conditions mentioned overleaf.

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B.S. ENVI - TECH PVT. LTD.

Recognized by MoEF & CC, Gol: Valid upto November, 2023

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: M/s. Infosys Limited, Survey no-210, Manikonda Village, Lingampally, Hyderabad-500032	Test Report No. : BSET/2023/TR-4210 Issue Date : 27.03.2023 Your Ref : Letter dated 20.03.2023 Date of Receipt : 20.03.2023
Sample Description: Ambient Air Quality sample	Date of Registration : 20.03.2023 Date of commencement of testing : 20.03.2023 Date of completion of testing : 27.03.2023 Sample condition at receipt : Found ok
Qty & Packing: * 1 filter paper for PM ₁₀ , PM _{2.5} , Lead, Benzo(a) pyrene, Arsenic, Nickel * 30ml absorbing solution for SO ₂ , NO ₂ and Ammonia * 10 ml absorbing solution for Ozone * 1 No Charcoal tube for Benzene * CO tested by CO analyzer Test Required: As per given below	Sample tested as received
Sampling Details	
Date of Sampling: 16.03.2023 General Environment conditions: Ok	Location of Sampling: Near BIO Gas Plant

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	NAAQ Standards for Industrial, Residential, Rural and Other areas
1	Sulphur Dioxide (SO ₂), µg/ m ³	IS:5182 (Part-2)	10.2	80 (24 Hours)
2	Nitrogen Dioxides (NO ₂), µg/ m ³	IS:5182 (Part-6)	12.9	80 (24 Hours)
3	Particulate Matter - 10 µm (PM ₁₀), µg/ m ³	IS:5182 (Part-23)	46	100 (24 Hours)
4	Particulate Matter - 2.5 µm (PM _{2.5}), µg/ m ³	IS:5182 (Part-24)	21	60 (24 Hours)
5	Ozone (O ₃), µg/ m ³	IS:5182 (Part-IX)	7.0	180 (1 Hour)
6	Lead (Pb), µg/ m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.03	1 (24 Hours)
7	Carbon Monoxide, mg/ m ³	BSET/SOP/AA-09 Issue - 01, Date: 18-08-2016	0.06	2 (8 Hours)
8	Ammonia (NH ₃), µg/ m ³	BSET/SOP/AA-06,	6.5	400 (24 Hours)
9	Benzene, µg/ m ³	IS: 5182 (P-11) :2006	< 0.1	5 (Annual)
10	Benzo (a) Pyrene, (BaP) Particulate phase only, ng / m ³	IS: 5182 (P-12) :2004	< 1	1 (Annual)
11	Arsenic (As), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS - VGA	0.07	6 (Annual)
12	Nickel (Ni), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.20	20 (Annual)

Make of the Instrument for PM₁₀: Enviro Instruments., Model & S.No: EI-143 BL & 37-A-18
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for PM_{2.5}: Ecotech Instruments, Model & S. No: AAS-127, 11-G-99.
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for Benzene: Enviro Instruments, Model & S. No: EI-331, 11-F-2018
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023

Authorized Signatory

*Complaints Register is available at Laboratory.

4th Floor, 'AMITY VILLE', 12-13-1270/71/73,
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Website : www.bsenvitech.com
CIN No. : U74210TG1999PTC032358



B.S. ENVI - TECH PVT. LTD.
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TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: M/s. Infosys Limited, Survey no-210, Manikonda Village, Lingampally, Hyderabad-500032	Test Report No. : BSET/2023/TR-4214 Issue Date : 27.03.2023 Your Ref : Letter dated 20.03.2023 Date of Receipt : 20.03.2023
Sample Description: Ambient Air Quality sample	Date of Registration : 20.03.2023 Date of commencement of testing : 20.03.2023 Date of completion of testing : 27.03.2023 Sample condition at receipt : Found ok
Qty & Packing: * 1 filter paper for PM ₁₀ , PM _{2.5} , Lead, Benzo(a) pyrene, Arsenic, Nickel * 30ml absorbing solution for SO ₂ , NO ₂ and Ammonia * 10 ml absorbing solution for Ozone * 1 No Charcoal tube for Benzene * CO tested by CO analyzer Test Required: As per given below	Sample tested as received
Date of Sampling: 17.03.2023 General Environment conditions: Ok	Sampling Details Location of Sampling: Near MLCP

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	NAAQ Standards for Industrial, Residential, Rural and Other areas
1	Sulphur Dioxide (SO ₂), µg/ m ³	IS:5182 (Part-2)	10.4	80 (24 Hours)
2	Nitrogen Dioxides (NO ₂), µg/ m ³	IS:5182 (Part-6)	13.6	80 (24 Hours)
3	Particulate Matter - 10 µm (PM ₁₀), µg/ m ³	IS:5182 (Part-23)	54	100 (24 Hours)
4	Particulate Matter - 2.5 µm (PM _{2.5}), µg/ m ³	IS:5182 (Part-24)	20	60 (24 Hours)
5	Ozone (O ₃), µg/ m ³	IS:5182 (Part-IX)	7.6	180 (1 Hour)
6	Lead (Pb), µg/ m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.14	1 (24 Hours)
7	Carbon Monoxide, mg/m ³	BSET/SOP/AA-09 Issue - 01, Date: 18-08-2016	0.23	2 (8 Hours)
8	Ammonia (NH ₃), µg/ m ³	BSET/SOP/AA-06,	8.2	400 (24 Hours)
9	Benzene, µg/ m ³	IS: 5182 (P-11) :2006	< 0.1	5 (Annual)
10	Benzo (a) Pyrene, (BaP) Particulate phase only, ng / m ³	IS: 5182 (P-12) :2004	< 1	1 (Annual)
11	Arsenic (As), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS - VGA	0.32	6 (Annual)
12	Nickel (Ni), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.16	20 (Annual)

Make of the Instrument for PM₁₀: Enviro Instruments., Model & S.No: EI-142 BL & 37-A-18
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for PM_{2.5}: Ecotech Instruments, Model & S. No: AAS-127, 11-G-99.
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for Benzene: Enviro Instruments, Model & S. No: EI-331, 11-P-2018
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023


Authorized Signatory


*Complaints Register is available at Laboratory.

4th Floor, 'AMITY VILLE', 12-13-1270/71/73,
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Website : www.bsenvitech.com
CIN No. : U74210TG1999PTC032358



B.S. ENVI - TECH PVT. LTD.
Recognized by MoEF & CC, Gol: Valid upto November, 2023

TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: M/s. Infosys Limited, Survey no-210, Manikonda Village, Lingampally, Hyderabad-500032	Test Report No. : BSET/2023/TR-4212 Issue Date : 27.03.2023 Your Ref : Letter dated 20.03.2023 Date of Receipt : 20.03.2023
Sample Description: Ambient Air Quality sample	Date of Registration : 20.03.2023
Qty & Packing: * 1 filter paper for PM ₁₀ , PM _{2.5} , Lead, Benzo(a) pyrene, Arsenic, Nickel * 30ml absorbing solution for SO ₂ , NO ₂ and Ammonia * 10 ml absorbing solution for Ozone * 1 No Charcoal tube for Benzene * CO tested by CO analyzer Test Required: As per given below	Date of commencement of testing : 20.03.2023 Date of completion of testing : 27.03.2023 Sample condition at receipt : Found ok
Sampling Details Date of Sampling: 16.03.2023 General Environment conditions: Ok Location of Sampling: Near MLVP	

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	NAAQ Standards for Industrial, Residential, Rural and Other areas
1	Sulphur Dioxide (SO ₂), µg/ m ³	IS:5182 (Part-2)	12.4	80 (24 Hours)
2	Nitrogen Dioxides (NO ₂), µg/ m ³	IS:5182 (Part-6)	15.8	80 (24 Hours)
3	Particulate Matter – 10 µm (PM ₁₀), µg/ m ³	IS:5182 (Part-23)	60	100 (24 Hours)
4	Particulate Matter – 2.5 µm (PM _{2.5}), µg/ m ³	IS:5182 (Part-24)	31	60 (24 Hours)
5	Ozone (O ₃), µg/ m ³	IS:5182 (Part-IX)	7.6	180 (1 Hour)
6	Lead (Pb), µg/ m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.12	1 (24 Hours)
7	Carbon Monoxide, mg/m ³	BSET/SOP/AA-09 Issue - 01, Date: 18-08-2016	0.15	2 (8 Hours)
8	Ammonia (NH ₃), µg/ m ³	BSET/SOP/AA-06,	12.4	400 (24 Hours)
9	Benzene, µg/ m ³	IS: 5182 (P-11) :2006	< 0.1	5 (Annual)
10	Benzo (a) Pyrene, (BaP) Particulate phase only, ng / m ³	IS: 5182 (P-12) :2004	< 1	1 (Annual)
11	Arsenic (As), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS - VGA	0.19	6 (Annual)
12	Nickel (Ni), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.38	20 (Annual)

Make of the Instrument for PM₁₀: Enviro Instruments, Model & S.No: EI-142 BL & 37-A-18
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for PM_{2.5}: Ecotech Instruments, Model & S. No: AAS -127, 11-G-99,
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for Benzene: Enviro Instruments, Model & S. No: EI-331, 11-P-2018
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023


Authorized Signatory


*Complaints Register is available at Laboratory.

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B.S. ENVI - TECH PVT. LTD.

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TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: M/s. Infosys Limited, Survey no-210, Manikonda Village, Lingampally, Hyderabad-500032		Test Report No. : BSET/2023/TR-4213	
Sample Description: Ambient Air Quality sample		Issue Date : 27.03.2023	
Qty & Packing: * 1 filter paper for PM ₁₀ , PM _{2.5} , Lead, Benzo(a) pyrene, Arsenic, Nickel * 30ml absorbing solution for SO ₂ , NO ₂ and Ammonia * 10 ml absorbing solution for Ozone * 1 No Charcoal tube for Benzene * CO tested by CO analyzer Test Required: As per given below		Your Ref : Letter dated 20.03.2023	
		Date of Receipt : 20.03.2023	
		Date of Registration	20.03.2023
		Date of commencement of testing	20.03.2023
		Date of completion of testing	27.03.2023
		Sample condition at receipt	Found ok
Sample tested as received			
Sampling Details			
Date of Sampling: 17.03.2023		Location of Sampling: Near Gate No-03	
General Environment conditions: Ok			

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	NAAQ Standards for Industrial, Residential, Rural and Other areas
1	Sulphur Dioxide (SO ₂), µg/ m ³	IS:5182 (Part-2)	15.6	80 (24 Hours)
2	Nitrogen Dioxides (NO ₂), µg/ m ³	IS:5182 (Part-6)	17.3	80 (24 Hours)
3	Particulate Matter – 10 µm (PM ₁₀), µg/ m ³	IS:5182 (Part-23)	65	100 (24 Hours)
4	Particulate Matter – 2.5 µm (PM _{2.5}), µg/ m ³	IS:5182 (Part-24)	33	60 (24 Hours)
5	Ozone (O ₃), µg/ m ³	IS:5182 (Part-IX)	8.4	180 (1 Hour)
6	Lead (Pb), µg/ m ³	USEPA – IO – 3.2 – 1999, BY AAS	0.12	1 (24 Hours)
7	Carbon Monoxide, mg/m ³	BSET/SOP/AA-09 Issue – 01, Date: 18-08-2016	0.48	2 (8 Hours)
8	Ammonia (NH ₃), µg/ m ³	BSET/SOP/AA-06,	10.5	400 (24 Hours)
9	Benzene, µg/ m ³	IS: 5182 (P-11) :2006	< 01	5 (Annual)
10	Benzo (a) Pyrene, (BaP) Particulate phase only, ng / m ³	IS: 5182 (P-12) :2004	< 1	1 (Annual)
11	Arsenic (As), ng / m ³	USEPA – IO – 3.2 – 1999, BY AAS - VGA	0.14	6 (Annual)
12	Nickel (Ni), ng / m ³	USEPA – IO – 3.2 – 1999, BY AAS	0.32	20 (Annual)

Make of the Instrument for PM₁₀: Enviro Instruments., Model & S.No: EI-142 BL & 37-A-18
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for PM_{2.5}: Ecotech Instruments, Model & S. No: AAS-127, 11-G-99.
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for Benzene: Enviro Instruments, Model & S. No: EI-331, 11-F-2018
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023



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TEST REPORT

AMBIENT AIR QUALITY REPORT

Name & Address of the Customer: M/s. Infosys Limited, Survey no-210, Manikonda Village, Lingampally, Hyderabad-500032	Test Report No. : BSET/2023/TR-4211 Issue Date : 27.03.2023 Your Ref : Letter dated 20.03.2023 Date of Receipt : 20.03.2023
Sample Description: Ambient Air Quality sample	Date of Registration : 20.03.2023 Date of commencement of testing : 20.03.2023 Date of completion of testing : 27.03.2023 Sample condition at receipt : Found ok
Qty & Packing: * 1 filter paper for PM ₁₀ , PM _{2.5} , Lead, Benzo(a) pyrene, Arsenic, Nickel * 30ml absorbing solution for SO ₂ , NO ₂ and Ammonia * 10 ml absorbing solution for Ozone * 1 No Charcoal tube for Benzene * CO tested by CO analyzer Test Required: As per given below	Sample tested as received
Sampling Details	
Date of Sampling: 16.03.2023 General Environment conditions: Ok	Location of Sampling: Near STP Area

TEST RESULTS

S. No.	Test Parameter	Test Method	Result	NAAQ Standards for Industrial, Residential, Rural and Other areas
1	Sulphur Dioxide (SO ₂), µg/ m ³	IS:5182 (Part-2)	8.8	80 (24 Hours)
2	Nitrogen Dioxides (NO ₂), µg/ m ³	IS:5182 (Part-6)	11.6	80 (24 Hours)
3	Particulate Matter - 10 µm (PM ₁₀), µg/ m ³	IS:5182 (Part-23)	42	100 (24 Hours)
4	Particulate Matter - 2.5 µm (PM _{2.5}), µg/ m ³	IS:5182 (Part-24)	18	60 (24 Hours)
5	Ozone (O ₃), µg/ m ³	IS:5182 (Part-IX)	7.8	180 (1 Hour)
6	Lead (Pb), µg/ m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.06	1 (24 Hours)
7	Carbon Monoxide, mg/m ³	BSET/SOP/AA-09 Issue - 01, Date: 18-08-2016	0.24	2 (8 Hours)
8	Ammonia (NH ₃), µg/ m ³	BSET/SOP/AA-06,	9.5	400 (24 Hours)
9	Benzene, µg/ m ³	IS: 5182 (P-11) :2006	< 0.1	5 (Annual)
10	Benzo (a) Pyrene, (BaP) Particulate phase only, ng / m ³	IS: 5182 (P-12) :2004	< 1	1 (Annual)
11	Arsenic (As), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS - VGA	0.22	6 (Annual)
12	Nickel (Ni), ng / m ³	USEPA - IO - 3.2 - 1999, BY AAS	0.13	20 (Annual)

Make of the Instrument for PM₁₀: Enviro Instruments., Model & S.No: EI-142 BL & 37-A-18
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for PM_{2.5}: Ecotech Instruments, Model & S. No: AAS-127, 11-G-99.
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023
Make of the Instrument for Benzene: Enviro Instruments, Model & S. No: EI-331, 11-F-2018
Date of Calibration: 11.04.2022, Calibration due date: 10.04.2023


Authorized Signatory



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B.S. ENVI - TECH PVT. LTD.

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TEST REPORT

AMBIENT NOISE LEVELS (dB (A))

Client : M/s. Infosys Limited
Location : Survey no-210, Manikonda (V), Lingampally, Hyderabad-500032
Month : March-2023
Date of Sampling : 16.03.2023 to 18.03.2023

	Ambient Noise Quality				
	Near DG Room Phase-1	Near Gate -2	Near UGR-1	Near PH-2 Chiller area	Near STP
Day Time					
06:00	50.7	57.3	54.0	52.3	50.1
07:00	53.9	58.0	54.9	53.7	53.9
08:00	55.7	55.0	59.0	56.0	56.1
09:00	58.7	62.1	57.3	58.7	58.7
10:00	61.0	61.0	59.1	56.1	57.8
11:00	64.0	62.3	60.0	57.7	60.9
12:00	64.9	65.1	60.9	58.9	62.3
13:00	70.1	65.7	60.4	60.1	68.7
14:00	64.3	62.1	59.0	59.3	58.0
15:00	60.9	59.0	63.6	55.0	59.8
16:00	64.0	61.3	55.7	53.9	55.9
17:00	69.4	64.0	59.0	59.0	58.7
18:00	62.3	63.3	61.0	58.1	55.0
19:00	65.1	61.0	62.1	59.0	54.3
20:00	63.1	60.9	60.3	56.9	52.0
21:00	59.9	56.0	62.9	55.7	54.8
Night Time					
22:00	61.5	51.6	55.3	53.2	50.3
23:00	53.0	50.0	54.0	52.7	51.4
24:00	51.1	58.2	53.4	47.6	52.4
01:00	50.6	57.6	52.0	45.1	53.6
02:00	48.2	54.3	50.3	46.9	51.7
03:00	46.4	55.0	49.6	45.3	49.6
04:00	45.2	52.4	48.3	44.6	48.4
05:00	51.4	50.2	47.2	44.2	51.6
Day Equivalent (Ld)	64.2	61.8	60.0	57.4	60.1
Night Equivalent (Ln)	54.3	54.7	52.1	48.9	51.4
Ambient Air Quality Standards for Noise levels as per CFO	Day Time			Night Time	
	75			70	

Make of the Instrument: Lutron
Model & S.No: SL-4033 SD & Q 652156
Calibration Date: 11.04.2022
Next Calibration Date: 10.04.2023


Authorized Signatory

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TEST REPORT

DG NOISE LEVELS dB(A)

Client : M/s. Infosys Limited,
Survey No.210 Manikonda(V),Lingampally,Hyderabad
-500032
Month : March-2023
Date of Sampling : 17.03.2023
Sampling Time/Duration : 13:30
Location : DG Block Phase-I
Equipment : Diesel Generator Set-1
Capacity : 2000 kVA

S.No	Sampling Location	1 m from the DG room Inside	1 m from the DG room Outside	Insertion Loss
1	East Side Sampling Location-1	103.6	76.6	27.0
2	East Side Sampling Location-2	105.0	77.4	27.6
3	West Side Sampling Location-1	106.3	75.5	30.8
4	West Side Sampling Location-2	104.7	75.8	28.9
5	North Side Sampling Location-1	102.5	76.2	26.3
6	North Side Sampling Location-2	104.9	78.8	26.1
7	South Side Sampling Location-1	102.7	76.5	26.2
8	South Side Sampling Location-2	106.0	77.2	28.8
	Average	104.5	76.8	27.7

Ref : 1. As per GSR 371 (E), dated 17th May 2002 and its amendments.
2. CPCB Limit for >1000 kVA DG Set: Minimum Insertion Loss 25 dB(A)

Make of the Instrument: Lutron
Model & S.No: SL-4033 SD & Q 652516
Calibration Date: 11.04.2022
Next Calibration Date:10.04.2023


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TEST REPORT

DG NOISE LEVELS dB(A)

Client : M/s. Infosys Limited,
Survey No.210,Manikonda(V),Lingampally,Hyderabad
-500032
Month : March-2023
Date of Sampling : 17.03.2023
Sampling Time/Duration : 15:40
Location : DG Block Phase-II
Equipment : Diesel Generator Set-2
Capacity : 2000 kVA

S.No	Sampling Location	1 m from the DG room Inside	1 m from the DG room Outside	Insertion Loss
1	East Side Sampling Location-1	105.5	75.0	30.5
2	East Side Sampling Location-2	107.7	76.4	31.3
3	West Side Sampling Location-1	107.1	79.2	27.9
4	West Side Sampling Location-2	103.5	76.8	26.7
5	North Side Sampling Location-1	103.3	76.0	27.3
6	North Side Sampling Location-2	105.3	76.8	28.5
7	South Side Sampling Location-1	109.1	77.4	31.7
8	South Side Sampling Location-2	104.8	77.9	26.9
	Average	105.8	76.9	28.9

Ref : 1.As per GSR 371 (E), dated 17th May 2002 and its amendments.
2.CPCB Limit for >1000 kVA DG Set: Minimum Insertion Loss 25 dB(A)

Make of the Instrument: Lutron
Model & S.No: SL-4033 SD & Q 652516
Calibration Date: 11.04.2022
Next Calibration Date:10.04.2023


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TEST REPORT

SPOT NOISE LEVELS dB(A)

Client	M/s. Infosys Limited
Location	Survey No.210, Manikonda (V), Lingampally, Hyderabad-500032
Month	February-2023

S. No	Sampling Location	Noise Levels dB(A)	Date of Sampling	Time of Sampling
1	DG Block Phase-I On Condition	79.8	17.03.2023	13:20
2	DG Block Phase-I Off Condition	61.5		14:45
3	DG Block Phase-II on Condition	82.9		15:35
4	DG Block Phase-II Off Condition	61.6		16:20
5	STP Inside	70.2		11:50
6	STP outside	61.3		11:35
7	UGR-1 Inside	80.2	18..03.2023	12:32
8	UGR -1 Outside	66.8		12:24
9	UGR-2 Inside	79.5		14:25
10	UGR-2 Outside	65.4		14:36
11	PH-1 Chiller Area	61.4		16:05
12	PH-2 Chiller Area	65.1		16:16

Make of the Instrument: Lutron
Model & S.No: SL-4033 SD & Q 652516
Calibration Date: 11.04.2023
Next Calibration Date:10.04.2023



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