

KSPCB/FORM-V/2019-20/01

25<sup>th</sup> August, 2020

The Regional Officer,  
KSPCB, Bommanahalli,  
Nisarga Bhavan, 2<sup>nd</sup> Floor,  
Thimmaiah Road, 7<sup>th</sup> 'D' Main,  
Shivanagar, Opp. Pushpanjali Theatre,  
Bengaluru – 560010.

Dear Sir/Madam,

**Subject: Submission of Environmental Statement (Form-V) for Main Campus, Bangalore**

With reference to above subject, we hereby submitting the Environmental Statement (Form-V) for the FY 2019-20 for our Infosys Main Campus at Electronic city, Bangalore. Enclosed the copies of the same for your reference.

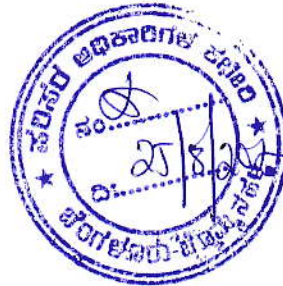
1. Form-V for Main campus, Bangalore
2. Copy of Stack monitoring report
3. Copy of Ambient air quality analysis report
4. Copy of Treated sewage analysis report

Yours Sincerely,

For INFOSYS LIMITED

  
VIKRANT KUDIGI

REGIONAL HEAD – FACILITIES



INFOSYS LIMITED

CIN: L85110KA1981PLC013115

44, Infosys Avenue  
Electronics City, Hosur Road  
Bengaluru 560 100, India  
T 91 80 2852 0261  
F 91 80 2852 0362

**Form - V**

**Environmental Statement**

April 2019 - March 2020

## ANNEXURE

### ENVIRONMENTAL STATEMENT FORM-V (See rule 14)

*Environmental Statement for the financial year ending with 31<sup>st</sup> March*

#### **PART-A**

i. Name and address of the owner: occupier of the industry	M/s Infosys Limited Plot No 44 Electronic City, Hosur Road Bangalore – 560100
Operation or process.	Software Development
ii. Industry category Primary- (STC Code) Secondary- (STC Code)	Red category
iii. Production category. Units.	Software Development
iv. Year of establishment	1994
v. Date of the last environmental statement submitted.	27.09.2019

#### **PART-B**

*Water and Raw Material Consumption:*

*i. Water consumption in m<sup>3</sup>/d*

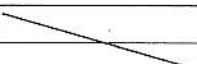
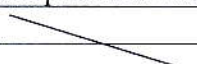
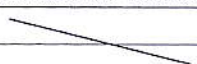



Process: NA

Cooling: NA

Domestic: Approximately. 867 m<sup>3</sup>/day

#### **Enclosures:**

- 1) Copy of test report for Treated Sewage
- 2) Copy of test report for D.G set emissions
- 3) Copy of test report for Ambient air & noise quality

Name of Products	Process water consumption per unit of products output	
	During the previous financial year	During the current financial year
1. 		
2. 		

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
NA			

\* *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)*

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed Standards with reasons
(a) Water	As per the test reports		
(b) Air	As per the test reports		
(c) Sludge	Not applicable	1.4 kgs/ltr	No Variations



### ***PART-D***

#### **HAZARDOUS WASTES**

*[As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016].*

Hazardous Wastes	Obtained limits from KSPCB	Total Quantity	
		During the current financial year (FY 2018-19)	During the current financial year (FY 2019-20)
1. Used oil	16 KL/A	10.28 KL	9.675 KL
2. Oil soaked cotton waste	0.5MT/A	0.09 MT	0.126 MT
3. DG oil filters	0.7MT/A	0.49 MT	0.46 MT
4. Batteries		1390 No's (UPS batteries) 330 Kgs (Dry Batteries)	2269 No's (UPS batteries) 100 Kgs (Dry Batteries)
5. E-waste		86.08 MT	135.47 MT
6. Discarded Chemical/Paint Containers	50,000 No's/A	5001 No's/A	4593 No's/A
7. Paint residue		930 Kgs	1755 Kgs

### ***PART – E***

#### **SOLID WASTES:**

Solid Wastes	Total Quantity (Kgs/A) including CISF	
	During the current Financial year (FY 2018-19)	During the current Financial year (FY 2019-20)
a. From process	Food waste: 6,40,593.35 Metal waste: 88,760 Plastic waste: 26,250 Wood waste: 1,12,100 Paper waste: 2,46,750 Glass waste: 25,088 Thermocol waste: 2,895 Coconut shells: 2,090	Food waste: 5,46,622.25 Metal waste: 82,650 Plastic waste: 22,980 Wood waste: 92,950 Paper waste: 2,22,220 Glass waste: 15,660 Thermocol waste: 3,010 Coconut shells: 4,830

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
NA			

\* 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)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed Standards with reasons
(a) Water	As per the test reports		
(b) Air	As per the test reports		
(c) Sludge	Not applicable	1.4 kgs/ltr	No Variations

	Garden waste: 5,06,650 STP Sludge waste: 4,18,924 Kitchen Oil : 1.8 KL	Garden waste: 5,55,654 STP Sludge waste: 5,13,920 Kitchen Oil: 1.4 KL
b. From Pollution Control Sources- STP	Sludge from STP 1100 to 1300 Kgs/day	Sludge from STP 1300 to 1500 Kgs/day
c. Quantity recycled or re-Utilized within the unit.	Food waste is treated in house through biogas and OWC. STP sludge is treated through sludge solar drying bed All other solid wastes are disposed to the registered recyclers	Food waste is treated in house through biogas and OWC. STP sludge is treated through sludge solar drying bed All other solid wastes are disposed to the registered recyclers. Part of garden waste is treated through Vermicomposting Unit.

### ***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 disposed to authorized recyclers. Also, the color code 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

Bio-medical waste and sanitary waste generated in the campus will be taken out by an agency authorized by PCB. Also, to ensure appropriate BMW segregation, we conduct trainings to the identified BMW handlers on regular intervals.

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 in-house Organic waste converter, Biogas plant to treat all our food waste within the campus. Also, we have advanced MBR technology in STP which treats the sewage and reduces the generation of sludge. The treated water is utilized for landscaping, Flushing and cooling towers.

We have dedicated staff to manage the Effluents, Emissions, Hazardous/Bio-medical/Solid waste and all contractual are trained on waste management.



Covid-19 related tissue papers, masks & gloves are sent to registered KSPCB authorized incinerator.

#### **Hazardous waste:**

All the hazardous wastes generated are segregated and disposed through authorized recyclers for recycling and NO waste is dumped underground.

**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 source and disposed 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 source 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.

<b>Waste Type</b>	<b>Disposal frequency</b>	<b>Disposed to</b>
Used oil	As and when generated	Arun Industries
E waste	As and when generated	KG Nandini Enterprises
Cotton waste	As and when generated	Gomati Incinco
UPS batteries	As and when generated	Sandeep Lead Alloys
DG batteries	As and when generated	
Dry Batteries (AA, AAA cells)	As and when generated	KG Nandini Enterprises
DG filters – Oil & Air	As and when generated	Gomati Incinco
Toiletries waste, Gloves, Masks & other PPE's used during COVID-19 period	Daily	Gomati Incinco
Plastic Paint cans/ containers	As and when generated	Archana Enterprises
Metal Paint cans/ containers	As and when generated	
Housekeeping Chemical containers/ cans	As and when generated	
Biomedical waste	Daily	Maridi Eco Industries Pvt. Ltd.
Sanitary waste	Daily	

#### **Non-Hazardous waste:**

Waste like paper, plastic, metal, wood, Thermocol and glass are segregated disposed to registered recyclers/ re-processors for further disposal

### **E-waste:**

E-waste is disposed only through KSPCB/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.

### **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 be used as manure for landscape. Also our Garden waste has been mixed along with food waste and fed into the OWC. Over whole one year we have generated 136.19 MT of compost from the OWC.

Also, we have our own Bio gas plant of 2tons capacity wherein the 800 to 1000 kgs/day of Food waste is fed into digester. The technology used here is "Dry digestion" where there is minimal/no use of water compared to any conventional system. We have generated 30,731.70 m<sup>3</sup> of gas for FY 2019-20 and the produced gas is used daily for the cooking needs in the kitchen where burners are installed.

Also, we have introduced hydrolyzer unit of 2T capacity in Biogas plant to store the excess food waste and have an efficient treatment of waste. This has reduced the overflow of food waste at biogas gas plant area and reduction of waste sending it to third party. Apart from this, we have another Biogas plant of 1T capacity at our Sarjapur location ensuring 100% utilization and treatment of food waste within the location. At this location we have generated 6,480.10 m<sup>3</sup> of gas for FY 2019-20.

Also, this year 2019-20 we have taken an initiative to enhance the process for proper segregation & disposal of Food waste. So, to improve the quality of food waste through composting and biogas, we have taken the below mentioned initiative:

- Installed the screw conveyer
- All vegetable & fruit peels are transported to OWC at our Sarjapur location.

### **PART-G**

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

- 81.01% [Wheeled – 58.27% & Solar – 22.74%] of energy consumed is sourced from wheeled (green power) and solar energy sources thereby reducing the GHG emissions. Also, we have identified additional vendors as below to meet the electricity requirement's through renewable source.

- Fortune five Hydel Projects Pvt Ltd
- Lalpur wind energy Pvt Ltd.
- Bhoruka Power Corporation Limited



- Brindavan Hydropower PVT LTD
  - Lakshmi Jala Vidyut Krishna Limited
  - Dodanna Global Energy Pvt. Ltd
- Low Sulphur diesel is used for DG sets and boiler operation.
  - 18 Nos. of battery operated Golf Carts are used for movement during visits
  - Material movement inside campus is through battery operated goods carrier
  - We have introduced 'Yulu' services inside campus and also, we still have around 300 number of cycles are provided to commute inside the campus. Along with this, employees are allowed to bring their own cycles for commute.
  - Biogas plant is used to manage our food waste, which is operated under "Dry Digestion" where there is minimal/no use of water.
  - Organic waste converter is used to treat the food waste generated and the compost produced as output is used as manure for landscape.
  - Sludge waste is treated in solar sludge drying bed which comprises of Building envelope and Electric mole (Automatic Robots). The main source for entire process is solar energy and due to this 35% or less moisture content is expected after sludge drying. The dried sludge is used as manure for in house landscaping.
  - Usage of STP treated water across buildings in Campus which has resulted in reduction of 25.28 liter/Capita/Day of fresh water consumption. Also, we ensure 100% utilization of STP treated water for flushing, HVAC, landscaping, Solar panel cleaning & others (i.e., Vehicle washing, MLPL cleaning)

### **PART – H**

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

- Infosys has been certified to ISO 14001:2015, OSHAS 18001:2012, 45001:2018.
- Bangalore main campus is certified as Green building by LEED as Platinum rating and this campus is the largest EB certified campus in the world on ARC.
- We carry out environmental quality monitoring for Emissions and effluents as per the PCB standards.
- As part of Sewage treated water analysis, we have started monitoring of SAR (Sodium absorption Ratio) value. This is an irrigation water quality parameter used in the management of sodium-affected soils ensuring save environment.
- We are enabling processes for improving our system for monitoring water and waste water recycling at our campus with a view of achieving long term sustainability.
- We have installed Solar panels of total capacity 1.294 MWP capacity within the campus & at Sira we have total capacity of 40 MWP solar plant
- We have 2T Organic waste converter at our campus to manage our food waste and garden waste.
- Also, we have installed our own Biogas plant of 2000 kgs/day in campus and 1000 kgs/day at our Sarjapur location manage food waste. Also, to store the excess food waste we have installed additional storage unit of 2T capacity called Hydrolyzer. Along with this we have installed screw conveyer to improve the quality of food waste through composting and biogas.



- We are committed to conserving and promoting biodiversity at our campus and we constantly encourage our employees to do the same.
- Plantation across the campus has been increased which is of native to region and to meet the demand we have developed in house nursery.
- Our company has implemented measures to operate based on climate change and protect environment by the following measures:
  - Sustainable resource usage
  - Pollution prevention
  - Implementation of newer and efficient technologies for reduced resource use / recycling and reuse of resources or waste
  - Use of renewable energy
  - Nurturing and promoting biodiversity conservation
  - Goals and projects to achieve carbon neutrality
- We have introduced '**Vermicomposting**' Unit inside the campus with Dimension - 7.4 \* 4 \* 2.7 feet. Dried leaves along with cow dung slurry will be dumped inside composting unit. Worms are added to the unit and water is sprinkled on alternate days. Manure is the final product of this process which can be harvested after 3 months and will be used for gardening.
- Introduction of '**Vertical Press Machine**' with the capacity of 60kg – 70kg in Bale size of 700X400 in MM per hour. Through this machine we are able to compress and bale all kind of soft packaging material except nonmetal. We are able to reduce the frequency of transportation by compressing the materials which helps in reduction of carbon foot print.

## ***PART-I***

### **MISCELLANEOUS:**

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

Environmental Management System is implemented and certified as per ISO14001:2015 standards. This management system is the prime vehicle for us to implement environmental best practices in all our activities, products and services. We have collaborated with multiple stakeholders and devised appropriate interventions for reducing carbon footprint, energy and water and resource consumption. We have established employee participation and consultation channels to understand employee and community expectations. More details are given below on initiatives implemented towards resource conservation, prevention of pollution, waste management, biodiversity, green buildings etc.

- We celebrated World Environments day on 5th June 2019 with the theme of "Beat the Plastic" Various sessions were conducted; stalls were installed of the products which are alternative to Plastic.
- As committed on WED (World Environmental Day), we have implemented biodegradable plastics which helps in phasing out of single use & non-recyclable plastics. Also, we found

the alternatives for the presently used items inside the campus along with the objectives taken to reduce use of Plastic in campus in a phased manner. This year, we have implemented as below:

- Food sachets at Dominos has been completely stopped except for take away.
  - All the PET bottled cool drinks in vending machines are replaced with tins.
  - Transport goes " GREEN "- Introduced electric vehicles for employee transportation(Cabs). We had around 15 nos of electric vehicles.
  - We have made our campus free from Smoking Zones.
  - We have introduced Biocrux VPM machine for compressing wastes thereby reducing the transportation load.
  - More numbers of trees and plants are planted across campus. In FY 2019-20 we have planted 736 with an emphasis on native and endangered species common to the geographical zone.
  - We have different varieties of trees planted in campus like fruit trees, flower tree and shade trees. Also, shrubs, ground covers and creepers are planted across campus.
  - 63% reduction in usage of tissue papers at our campus compared to last year.
  - Per capita plastic waste reduction is 0.04 Kgs/A
  - We are ensuring 100% segregation of waste at source.
  - We continue to ensure the Color coding for different type of waste which is segregating at the building level
  - We have consistently ensured that we reduce, reuse and recycle & dispose the waste responsibly.
  - Hazardous wastes are stored and disposed to authorized recyclers only, in adherence to applicable legislation.
  - 100% of our garden waste is processed through Organic Waste Converter
  - We use green sealed chemicals for our housekeeping purpose.
  - We are replacing the AC refrigerant gases with non-ozone depleting substances in a phased manner. This year we have replaced DX units of 4 units at B-11 old data center with Chilled water system.
  - We have empaneled new vendor for E- waste disposal.
  - As part PET neutral program initiated by Biocrux India for FY 2019-20, our organization has ensured that none of the bottles generated within our premises are reused/misused/Sent for landfill. By flaking the bottles instantly at source, we have been able to save Co2 emission, fuel burning & water in recycling process.
- During this, the team has collected 880 Kg flakes equivalent 58,667 bottles and the positive impact on environment from this are as follows:
- 2.21 tones reduction in Co2 emission.
  - 0.67 cubic yard reduction in land fill
  - 51.2 liter saving in fuel consumption.

#### **ECO-INITIVATIVES:**

- **Samarpan** - CSR Team of Bangalore DC has joined hands with **Saahas**, NGO specializing in solid waste management to create



- Awareness on waste management that includes explaining through flip charts on source segregation, effects and problems of dumping and burning.
- Explaining about three-way segregation. (Wet waste - community composting or backyard composting or green bin, dry waste - into blue bag, and Domestic hazardous waste- to paper wrap the waste and keeping in separate bin)
- Along with the awareness, survey on wet waste to be conducted - google forms are shared with all the volunteers to how to conduct the survey.

Samarpan volunteers have covered more than **700** homes at Sonapanhalli Gram Panchayat Near Chikjaala Devanahalli Airport Road by creating door-door awareness. This will be a sustained activity.

- Swachh Bharath Awareness camp has been done covering 4 villages, 800 homes & 4000 people.
- Green corridor – 10,000 cyclone resistant plants were provided to 1000+ farmers.
- Waste management program was done at Lalbhagh creating awareness on waste segregation at source for 10,000+ people.
- In honor of World Environment Day, our sustainability team had rolled out many initiatives to reduce air pollution
  - Seed ball drive - We made more than 3000 seed balls and planted the same at Amrita Sarovara at Nandi hills with the support of Indus Herbs, an organization taking care of waste management for the Nandi hills region.
  - Plant pot making is where our employees were able to learn the art of making beautiful plant pots on their own.
- Go Green - say no to single-use plastic cutlery - Bangalore DC Eco club was pleased to provide an option to avoid single-use disposable (plastic / Styrofoam) products for celebrations. Free of cost cutlery banks were launched wherein we can borrow premium quality steel utensils, plates, bowls, tumblers, spoons, etc., as per our need.
- On the occasion of **World's Environment Day**, our sustainability team has organized below list of activities and join the action to #BeatAirPollution and to #GreenTheBlue:

Activity	Details	Date
Learn the art of Glass Painting	Workshop on glass painting to use it for indoor plants thereby reduce indoor air pollution	June 3, 2019
Make your own pots for medicinal plants	Hands on experience to make your own plant pots	June 7, 2019
Seed Ball Making	Learn how to make seed balls which can be dropped onto any barren land in your neighborhood for the plants to grow naturally.	June 4, 2019
Tree planting	In partnership with Electronic City Industrial Association	On going
Also, Stalls with environment friendly products were put up		

- Awareness mailer on carbon foot print was circulated.
- World Ozone Day – Mailer on facts about ODS, types, quantity on how much Infosys is using and how to protect Ozone layer was communicated to all our employees on September 16<sup>th</sup>, 2019.

#### **Significant measures to conserve Power**

- Installation of EC fans in restrooms – Toilet exhausts: 103 no's & AHU – 90 No's
- Installation of PAC units in B11 Data center room.
- Integration of identified buildings with BMS system. This year we completed for Building No.1, 2, 34 & 41.
- Reduction in providing Terminator exception. All machines have been excluded from Terminator from March onwards due to BCP invocation. Till February we had 1300 exceptions.
- Increase in number of Virtualized desktops from 9500 to 12500. VDI backend capacity has been increased to accommodate 10K trainees with higher configuration VMs. Received 1000 new thin clients and all were deployed, to make the count of classrooms enabled with thin clients to 11500. With this, we have reduced the classrooms with Desktops to 1200 and other EOL desktop replacement in GEC also addressed

#### **Significant measures to conserve Water**

- Water balance sheet has been prepared for all locations.
- Maintenance work has been improved to reduce water leakage across locations.
  - Park 5 - Damaged fire pipeline replaced
  - Park 3 - Identified leakages are arrested.
- Enhancing the storage & reuse of rain water. In main campus rain water is harvested in old STP-2 treated water tank.
- To check the Optimum utilization of water in all operations (Food courts, laundry and other operations) operational controls are implemented.
- We have evaluated the need of continuance of water bodies as below:
  - Water body opp. to B12 - To treat and improve the quality of STP treated water, the same is being treated through existing RO plant near new power block and will be used to reduce fresh water consumption. - 30 Oct 2019.
  - Water body near studio - The STP treated water will be again treated by chemicals to improve the quality and the same will be used for it to reduce the fresh water consumption. – 15 Nov 2019
  - Water body near B30& 31(Park 4) – RO Plant installed in music fountain pump rooms and STP treated water will be again treated through it and thereby reducing the fresh water consumption. - 11 Jan 2020.
- We have increased the usage of recycled water for flushing at Park-1, Park-2 & Park-3.
- Re-usage of RO rejected water and chiller blow down from B44.





Part of the Cotecna Group

## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaanalytics.com  
Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline

Group

Issued To

Address

Chemical  
Atmospheric Pollution  
Infosys Limited.,  
IL Bangalore STP Park - I  
No. 45 & 46, 3rd Cross, Electronics  
City

PO / Reference No. 2300149397  
PO / Reference Date 12-JUN-2019  
C.A.No. 05200218000787  
Date of Receipt 17-FEB-2020

Customer ID

Hosur Road, Bangalore - 560100  
Sample for the month of Feb, 2020,  
Stack Monitoring

Date of Booking 18-FEB-2020

Sample ID

Park 1, Stack attached to 1250 KVA  
DG set-I (B#8)

Date of Completion 27-FEB-2020

Sampling Date

15-FEB-2020

Date of Issue 27-FEB-2020

Sampling Duration

NA

Instrument used for sampling Envirotech Stack Sampler APM  
620, Date of Calibration :  
16.03.2019, Next Calibration Due  
on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	29	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.5800	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	280	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.33	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm <sup>3</sup> Hr	6203	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg/Nm <sup>3</sup>	37.0	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO <sub>2</sub>	ppmv	97	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg/Nm <sup>3</sup>	109	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg/Nm <sup>3</sup>	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

### Terms And Conditions

S.No.	Description
1	The results reported above pertains only to the tested samples and applicable parameters.
2	Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified.
3	Total liability of our laboratory is limited to the invoiced amount.
4	This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission.

Approved/ Authorized Signatory

Krishnamurthy.,  
(Manager-Environment)

Approved On

27-FEB-2020

Printed by: Krishne.Gowda

Printed on: 28-FEB-2020

Copy No.: 1

Page No.: 1 of 2

Note : This document has been generated electronically and is valid without signature.

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaanalytics.com  
Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000787
Address	II, Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 1, Stack attached to 1250 KVA DG set-1 (B#8)	Date of Completion	27-FEB-2020
Sampling Date	15-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

- 5 In case any reconfirmation of contents of this test certificate is required, please contact our office.
- 6 Sampling is not done by us unless specified.
- 7 Any discrepancy in the Test Certificate should be notified within 30 days.

Approved Authorized Signatory

Krishnanurthy.,  
(Manager-Environment)

Approved On

27-FEB-2020

Printed by: Krishne.Gowda

Printed on: 28-FEB-2020

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaanalytics.com  
Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline  
Group  
Issued To  
Address

Chemical  
Atmospheric Pollution  
Infosys Limited.,  
IL, Bangalore STP Park - I  
No. 45 & 46, 3rd Cross, Electronics  
City  
Hosur Road, Bangalore - 560100

PO / Reference No. 2300149397  
PO / Reference Date 12-JUN-2019  
C.A.No. 05200218000788  
Date of Receipt 17-FEB-2020

Customer ID

Sample for the month of Feb. 2020,  
Stack Monitoring

Date of Booking 18-FEB-2020

Sample ID

Park I, Stack attached to 2000 KVA  
DG set -2

Date of Completion 27-FEB-2020

Sampling Date

15-FEB-2020

Date of Issue 27-FEB-2020

Sampling Duration

NA

Instrument used for sampling  
Envirotech Stack Sampler APM  
620, Date of Calibration :  
16.03.2019, Next Calibration Due  
on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	30	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.5800	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	273	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.25	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm <sup>3</sup> /Hr	6245	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg/Nm <sup>3</sup>	38.1	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO <sub>2</sub>	ppmv	101	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg/Nm <sup>3</sup>	108	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg/Nm <sup>3</sup>	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

### Terms And Conditions

S.No.	Description
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4	This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission.

Approved Authorized Signatory

Krishnamurthy.,  
(Manager-Environment)

Approved On

27-FEB-2020

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaaanalytics.com  
Website : www.shivaaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000788
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020. Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 1, Stack attached to 2000 KVA DG set -2	Date of Completion	27-FEB-2020
Sampling Date	15-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

- 5 In case any reconfirmation of contents of this test certificate is required, please contact our office.
- 6 Sampling is not done by us unless specified.
- 7 Any discrepancy in the Test Certificate should be notified within 30 days.

Approved Authorized Signatory

Krishnamurthy.,  
(Manager-Environment)

Approved On

27-FEB-2020

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E-mail : info@shivaaanalytics.com  
Website : www.shivaaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

## Test Certificate (Environment)

Matrix: Stack Emission			
Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited..	C.A.No.	05200218000789
Address	II, Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 1, Stack attached to 1250 KVA DG Set -3	Date of Completion	27-FEB-2020
Sampling Date	15-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TES T METHOD
1	Ambient Temperature	°C	30	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.5800	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	260	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.70	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm³/Hr	6309	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg/Nm³	35.3	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO2	mg/Nm³	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO2	ppmv	83	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg/Nm³	93	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg/Nm³	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

## Terms And Conditions

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Approved Authorized Signatory: Krishnamurthy.. Approved On: 27-FEB-2020  
(Manager-Environment)

Printed by: Krishne.Gowda Printed on: 28-FEB-2020  
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E-mail : info@shivaanalytics.com

Website : www.shivaanalytics.com

CIN : U24230KA1994PTC125297

GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

#### Discipline

#### Group

#### Issued To

#### Address

Chemical

Atmospheric Pollution

Infosys Limited.,

II, Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics

City

Hosur Road, Bangalore - 560100

#### Customer ID

Sample for the month of Feb. 2020.

Stack Monitoring

#### Sample ID

Park I, Stack attached to 1250 KVA

DG Set -3

#### Sampling Date

15-FEB-2020

#### Sampling Duration

NA

#### PO / Reference No.

2300149397

#### PO / Reference Date

12-JUN-2019

#### C.A.No.

05200218000789

#### Date of Receipt

17-FEB-2020

#### Date of Booking

18-FEB-2020

#### Date of Completion

27-FEB-2020

#### Date of Issue

27-FEB-2020

#### Instrument used for sampling

Envirotech Stack Sampler APM  
620. Date of Calibration :  
16.03.2019, Next Calibration Due  
on: 15.03.20

- 5 In case any reconfirmation of contents of this test certificate is required, please contact our office.
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Approved Authorized Signatory

Krishnamurthy.,  
(Manager-Environment)

Approved On

27-FEB-2020

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Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline  
Group  
Issued To  
Address

Chemical  
Atmospheric Pollution  
Infosys Limited.,  
IL Bangalore STP Park - I  
No. 45 & 46, 3rd Cross, Electronics  
City  
Hosur Road, Bangalore - 560100

PO / Reference No. 2300149397  
PO / Reference Date 12-JUN-2019  
C.A.No. 05200218000790  
Date of Receipt 17-FEB-2020

Customer ID

Sample for the month of Feb. 2020.  
Stack Monitoring

Date of Booking 18-FEB-2020

Sample ID

Park I, Stack attached to 2000 KVA  
DG Set -12

Date of Completion 27-FEB-2020

Sampling Date

15-FEB-2020

Date of Issue 27-FEB-2020

Sampling Duration

NA

Instrument used for sampling Envirotech Stack Sampler APM  
620, Date of Calibration :  
16.03.2019, Next Calibration Due  
on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	31	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.5800	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	310	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.55	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm³ Hr	6086	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg Nm³	34.9	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO2	mg Nm³	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO2	ppmv	100	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg Nm³	113	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg Nm³	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

### Terms And Conditions

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Approved Authorized Signatory

Krishnamurthy,  
(Manager-Environment)

Approved On

27-FEB-2020

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Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission			
Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000790
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park I, Stack attached to 2000 KVA DG Set -12	Date of Completion	27-FEB-2020
Sampling Date	15-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

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Approved Authorized Signatory

Krishnamurthy.,  
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GSTN : 29AACC8434K1ZV

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## Test Certificate (Environment)

Matrix: Stack Emission

Discipline  
Group  
Issued To  
Address

Chemical  
Atmospheric Pollution  
Infosys Limited.,  
IL Bangalore STP Park - I  
No. 45 & 46, 3rd Cross, Electronics  
City  
Hosur Road, Bangalore - 560100

PO / Reference No. 2300149397  
PO / Reference Date 12-JUN-2019  
C.A.No. 05200218000795  
Date of Receipt 17-FEB-2020

Customer ID

Sample for the month of Feb, 2020,  
Stack Monitoring

Date of Booking 18-FEB-2020

Sample ID

Park 4, Stack attached to 2000 KVA  
DG Set-6LT

Date of Completion 27-FEB-2020

Sampling Date

14-FEB-2020

Date of Issue 27-FEB-2020

Sampling Duration

NA

Instrument used for sampling Envirotech Stack Sampler APM  
620, Date of Calibration :  
16.03.2019, Next Calibration Due  
on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	31	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.8500	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	310	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	14.79	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm³ Hr	14020	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg Nm³	32.4	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO2	mg Nm³	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO2	ppmv	96	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg Nm³	111	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg Nm³	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

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Krishnamurthy.,  
(Manager-Environment)

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Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000795
Address	IL, Bangalore STP Park - 1 No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 4, Stack attached to 2000 KVA DG Set-6LT	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

- 5 In case any reconfirmation of contents of this test certificate is required, please contact our office.
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Krishnamurthy,  
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GSTN : 29AACCS8434K1ZV

## Test Certificate (Environment)

Matrix: Stack Emission

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

II, Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics

City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of Feb. 2020.

Stack Monitoring

Sample ID

Park 4, Stack attached to 2000 KVA

DG set-7LT

Sampling Date

14-FEB-2020

Sampling Duration

NA

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200218000796

Date of Receipt

17-FEB-2020

Date of Booking

18-FEB-2020

Date of Completion

27-FEB-2020

Date of Issue

27-FEB-2020

Instrument used for sampling

Envirotech Stack Sampler APM

620. Date of Calibration :

16.03.2019. Next Calibration Due  
on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	30	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.8500	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	317	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.78	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm <sup>3</sup> /Hr	12909	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg/Nm <sup>3</sup>	35.9	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO <sub>2</sub>	ppmv	107	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg/Nm <sup>3</sup>	119	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg/Nm <sup>3</sup>	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

## Terms And Conditions

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Krishnamurthy.  
(Manager-Environment)

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CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission	Chemical	PO / Reference No.	2300149397
Discipline	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Group	Infosys Limited..	C.A.No.	05200218000796
Issued To	IL Bangalore STP Park - I	Date of Receipt	17-FEB-2020
Address	No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100		
Customer ID	Sample for the month of Feb. 2020.	Date of Booking	18-FEB-2020
	Stack Monitoring		
Sample ID	Park 4, Stack attached to 2000 KVA DG set-7LT	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM
			620 Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

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Approved Authorized Signatory

Krishnamurthy..  
(Manager-Environment)

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Website : www.shivaaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.	C.A.No.	05200218000791
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020. Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 5, Stack attached to 2000 KVA DG Set 8HT	Date of Completion	27-FEB-2020
Sampling Date	16-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	29	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	1.0200	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	290	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.47	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm <sup>3</sup> /Hr	19039	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg/Nm <sup>3</sup>	39.7	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO <sub>2</sub>	ppmv	115	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg/Nm <sup>3</sup>	134	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg/Nm <sup>3</sup>	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

### Terms And Conditions

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Approved Authorized Signatory  
Krishnamurthy.  
(Manager-Environment)

Approved On 27-FEB-2020

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaaanalyticals.com  
Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

IL Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics

City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of Feb. 2020.

Stack Monitoring

Sample ID

Park 5, Stack attached to 2000 KVA

DG Set 8HT

Sampling Date

16-FEB-2020

Sampling Duration

NA

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200218000791

Date of Receipt

17-FEB-2020

Date of Booking

18-FEB-2020

Date of Completion

27-FEB-2020

Date of Issue

27-FEB-2020

Instrument used for sampling

Envirotech Stack Sampler APM

620. Date of Calibration :

16.03.2019. Next Calibration Due

on: 15.03.20

5 In case any reconfirmation of contents of this test certificate is required, please contact our office.

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Krishnamurthy.,

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E-mail : info@shivaanalytics.com  
Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

## Test Certificate (Environment)

Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.	C.A.No.	05200218000792
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020. Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 5, Stack attached to 2000 KVA DG Set 9HT	Date of Completion	27-FEB-2020
Sampling Date	16-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	29	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	1.0200	Not Specified	IS : 11255 (P3) : 2008
3	Flue gas Temperature	°C	295	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.51	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm³ Hr	18966	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg Nm³	37.5	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO2	mg Nm³	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO2	ppmv	101	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg Nm³	120	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg Nm³	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

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Approved Authorized Signatory

Krishnamurthy,  
(Manager-Environment)

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E-mail : info@shivaaanalytics.com  
Website : www.shivaaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission			
Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000792
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 5, Stack attached to 2000 KVA DG Set 9HT	Date of Completion	27-FEB-2020
Sampling Date	16-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

- 5 In case any reconfirmation of contents of this test certificate is required, please contact our office.
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Krishnamurthy.,  
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Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited..	C.A.No.	05200218000793
Address	IL, Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 5, Stack attached to 2000 KVA DG Set 10HT	Date of Completion	27-FEB-2020
Sampling Date	16-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	30	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	1.0200	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	276	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	12.29	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm³ Hr	17816	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg Nm³	35.8	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO2	mg Nm³	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO2	ppmv	97	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg Nm³	104	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg Nm³	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

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Krishnamurthy..  
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Tel : +91-80-2801 5333

E-mail : info@shivaaanalyticals.com

Website : www.shivaaanalyticals.com

CIN : U24230KA1994PTC125297

GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

IL Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics

City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of Feb. 2020,

Stack Monitoring

Sample ID

Park 5, Stack attached to 2000 KVA

DG Set 10HT

Sampling Date

16-FEB-2020

Sampling Duration

NA

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200218000793

Date of Receipt

17-FEB-2020

Date of Booking

18-FEB-2020

Date of Completion

27-FEB-2020

Date of Issue

27-FEB-2020

Instrument used for sampling

Envirotech Stack Sampler APM

620, Date of Calibration :

16.03.2019, Next Calibration Due

on: 15.03.20

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GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline

Group

Issued To

Address

Chemical  
Atmospheric Pollution  
Infosys Limited,  
IL Bangalore STP Park - I  
No. 45 & 46, 3rd Cross, Electronics  
City  
Hosur Road, Bangalore - 560 100

PO / Reference No. 2300149397  
PO / Reference Date 12-JUN-2019  
C.A.No. 05200218000794  
Date of Receipt 17-FEB-2020

Customer ID

Sample for the month of Feb. 2020.  
Stack Monitoring

Date of Booking 18-FEB-2020

Sample ID

Park 5, Stack attached to 2000 KVA  
DG Set 11HT

Date of Completion 27-FEB-2020

Sampling Date

16-FEB-2020

Date of Issue 27-FEB-2020

Sampling Duration

NA

Instrument used for sampling Envirotech Stack Sampler APM  
620. Date of Calibration :  
16.03.2019. Next Calibration Due  
on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TES T METHOD
1	Ambient Temperature	°C	30	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	1.0200	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	295	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	13.51	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm <sup>3</sup> Hr	18929	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg Nm <sup>3</sup>	39.3	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO <sub>2</sub>	mg Nm <sup>3</sup>	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO <sub>2</sub>	ppmv	96	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg Nm <sup>3</sup>	103	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg Nm <sup>3</sup>	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

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Krishnamurthy,  
(Manager-Environment)

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27-FEB-2020

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Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaaanalyticals.com  
Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000794
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	Park 5, Stack attached to 2000 KVA DG Set 11HT	Date of Completion	27-FEB-2020
Sampling Date	16-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

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Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited..	C.A.No.	05200218000805
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month Feb.2020 Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	MLPL, Stack attached to 625 KVA DG Set	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration: 16.03.19, Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TES T METHOD
1	Ambient Temperature	°C	30	Not Specified	IS:11255(P-3) 2008
2	Diameter	m	0.2000	Not Specified	IS:11255(P-3) 2008
3	Stack Temperature	°C	296	Not Specified	IS:11255(P-3) 2008
4	Velocity	m s	14.48	Not Specified	IS:11255(P-3) 2008
5	Flue Gas discharge	Nm <sup>3</sup> /Hr	778	Not Specified	IS:11255(P-3) 2008
6	Particulate matter	g kW-hr	0.030	= 0.2 max	IS:11255(P-1) 1985
7	Sulphur dioxide	mg Nm <sup>3</sup>	< 3	Not Specified	Flue gas analyser
8	Carbon monoxide	g kW-hr	0.225	= 3.5 max	Flue gas analyser
9	Nitrogen dioxide	g kW-hr	0.392	= 4.0 max *	Flue gas analyser
10	Non Methane Hydrocarbons	g kW-hr	< 0.001	= 4.0 max *	IS: 13270: 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986 SI.No 95 G.S.R. 771(E)

\* The Limit for (Nitrogen Dioxide + Hydrocarbons) as per the Standards

### Terms And Conditions

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Krishnamurthy..  
(Manager-Environment)

Approved On

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Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited..	C.A.No.	05200218000797
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020. Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	New Power Block. Stack attached to 3000 KVA DG-I	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TES T METHOD
1	Ambient Temperature	°C	29	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.5000	Not Specified	IS :11255 (P3) : 2008
3	Flue gas Temperature	°C	333	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	23.65	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm <sup>3</sup> Hr	7466	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg Nm <sup>3</sup>	38.8	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO <sub>2</sub>	mg Nm <sup>3</sup>	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO <sub>2</sub>	ppmv	114	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg Nm <sup>3</sup>	126	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg Nm <sup>3</sup>	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

### Terms And Conditions

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Krishnamurthy..  
(Manager-Environment)

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaaanalyticals.com  
Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACC88434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000797
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb, 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	New Power Block, Stack attached to 3000 KVA DG-I	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

- 5 In case any reconfirmation of contents of this test certificate is required, please contact our office.
- 6 Sampling is not done by us unless specified.
- 7 Any discrepancy in the Test Certificate should be notified within 30 days.

Approved Authorized Signatory

Krishnamurthy.,  
(Manager-Environment)

Approved On

27-FEB-2020

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Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000797
Address	HL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020, Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	New Power Block, Stack attached to 3000 KVA DG-I	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

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Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACC8434K1ZV

## Test Certificate (Environment)

Matrix: Stack Emission

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

IL Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics  
City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of Feb. 2020.

Stack Monitoring

Sample ID

New Power Block, Stack attached  
to 2000 KVA DG-3

Sampling Date

14-FEB-2020

Sampling Duration

NA

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200218000799

Date of Receipt

17-FEB-2020

Date of Booking

18-FEB-2020

Date of Completion

27-FEB-2020

Date of Issue

27-FEB-2020

Instrument used for sampling

Envirotech Stack Sampler APM

620 Date of Calibration :

16.03.2019 Next Calibration Due

on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	30	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.5000	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	326	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	23.48	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm <sup>3</sup> /Hr	7500	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg/Nm <sup>3</sup>	37.0	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO <sub>2</sub>	mg/Nm <sup>3</sup>	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO <sub>2</sub>	ppmv	104	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg/Nm <sup>3</sup>	127	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg/Nm <sup>3</sup>	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

## Terms And Conditions

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Approved Authorized Signatory

Krishnamurthy.,

(Manager-Environment)

Approved On

27-FEB-2020

Printed by: Krishne.Gowda

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Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

IL, Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics

City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of Feb. 2020.

Stack Monitoring

Sample ID

New Power Block, Stack attached

to 3000 KVA DG-2

Sampling Date

14-FEB-2020

Sampling Duration

NA

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200218000798

Date of Receipt

17-FEB-2020

Date of Booking

18-FEB-2020

Date of Completion

27-FEB-2020

Date of Issue

27-FEB-2020

Instrument used for sampling

Envirotech Stack Sampler APM

620, Date of Calibration :

16.03.2019, Next Calibration Due

on: 15.03.20

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CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited..	C.A.No.	05200218000800
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020. Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	New Power Block, Stack attached to 2000 KVA DG-4	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration : 16.03.2019, Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	31	Not Specified	IS 11255 (P3) : 2008
2	Stack Diameter	m	0.5000	Not Specified	IS 11255 (P3) : 2008
3	Flue gas Temperature	°C	329	Not Specified	IS 11255 (P3) : 2008
4	Flue gas Velocity	m/s	23.52	Not Specified	IS 11255 (P3) : 2008
5	Quantity of Emission	Nm³ Hr	7475	Not Specified	IS 11255 (P3) : 2008
6	Particulate matter	mg Nm³	31.6	75 max	IS 11255 (P1) : 1985
7	Sulphur Dioxide as SO2	mg Nm³	Below Detection Limit of 3	Not Specified	Fluegas Analyzer Method
8	Oxides of Nitrogen as NO2	ppmv	113	710 max	Fluegas Analyzer Method
9	Carbon monoxide as CO	mg Nm³	127	150 max	Fluegas Analyzer Method
10	Non Methane Hydrocarbons	mg Nm³	Below Detection Limit of 1	100 max	IS 13270 : 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986

### Terms And Conditions

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Approved Authorized Signatory

Krishnamurthy,  
(Manager-Environment)

Approved On

27-FEB-2020

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Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

## Test Certificate (Environment)

Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000807
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month Feb.2020 Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	HP Site, Stack attached to 200 KVA DG Set	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration:16.03.19.Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Ambient Temperature	°C	30	Not Specified	IS:11255(P-3) 2008
2	Diameter	m	0.1680	Not Specified	IS:11255(P-3) 2008
3	Stack Temperature	°C	298	Not Specified	IS:11255(P-3) 2008
4	Velocity	m/s	17.48	Not Specified	IS:11255(P-3) 2008
5	Flue Gas discharge	Nm <sup>3</sup> /Hr	665	Not Specified	IS:11255(P-3) 2008
6	Particulate matter	g/kW-hr	0.061	= 0.2 max	IS:11255(P-1) 1985
7	Sulphur dioxide	mg/Nm <sup>3</sup>	< 3	Not Specified	Flue gas analyser
8	Carbon monoxide	g/kW-hr	0.352	= 3.5 max	Flue gas analyser
9	Nitrogen dioxide	g/kW-hr	0.860	= 4.0 max *	Flue gas analyser
10	Non Methane Hydrocarbons	g/kW-hr	< 0.001	= 4.0 max *	IS: 13270: 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986 SI.No 95 G.S.R. 771(E)

\* The Limit for (Nitrogen Dioxide + Hydrocarbons) as per the Standards

## Terms And Conditions

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Approved Authorized Signatory: Krishnamurthy.,  
(Manager-Environment)

Approved On: 27-FEB-2020

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CIN : U24230KA1994PTC125297  
GSTN : 29AACC8434K1ZV

### Test Certificate (Environment)

Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000800
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month of Feb. 2020. Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	New Power Block, Stack attached to 2000 KVA DG-4	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620. Date of Calibration : 16.03.2019. Next Calibration Due on: 15.03.20

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GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Stack Emission

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200218000806
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	17-FEB-2020
Customer ID	Sample for the month Feb.2020 Stack Monitoring	Date of Booking	18-FEB-2020
Sample ID	UGR Site, Stack attached to 180 KVA DG Set	Date of Completion	27-FEB-2020
Sampling Date	14-FEB-2020	Date of Issue	27-FEB-2020
Sampling Duration	NA	Instrument used for sampling	Envirotech Stack Sampler APM 620, Date of Calibration: 16.03.19, Next Calibration Due on: 15.03.20

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TES T METHOD
1	Ambient Temperature	°C	30	Not Specified	IS:11255(P-3) 2008
2	Diameter	m	0.1680	Not Specified	IS:11255(P-3) 2008
3	Stack Temperature	°C	270	Not Specified	IS:11255(P-3) 2008
4	Velocity	m/s	16.00	Not Specified	IS:11255(P-3) 2008
5	Flue Gas discharge	Nm <sup>3</sup> Hr	669	Not Specified	IS:11255(P-3) 2008
6	Particulate matter	g kW-hr	0.065	= 0.2 max	IS:11255(P-1) 1985
7	Sulphur dioxide	mg Nm <sup>3</sup>	< 3	Not Specified	Flue gas analyser
8	Carbon monoxide	g kW-hr	0.399	= 3.5 max	Flue gas analyser
9	Nitrogen dioxide	g kW-hr	0.699	= 4.0 max *	Flue gas analyser
10	Non Methane Hydrocarbons	g kW-hr	< 0.001	= 4.0 max *	IS: 13270: 1992

Remarks: The Requirement mentioned here is as per Environment Protection Act-1986 Sl.No 95 G.S.R. 771(E)

\* The Limit for (Nitrogen Dioxide + Hydrocarbons) as per the Standards

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Approved Authorized Signatory	Krishnamurthy., (Manager-Environment)	Approved On	27-FEB-2020
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Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

## Test Certificate (Environment)

Matrix: Ambient Air			
Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited..	C.A.No.	05200328001427
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	23-MAR-2020
Customer ID	Sample for the month of March, 2020, Ambient Air Quality	Date of Booking	28-MAR-2020
Sample ID	Campus Park # 01, Gate#2 Near Building #1	Date of Completion	22-APR-2020
Sampling Date	14-MAR-2020	Date of Issue	22-APR-2020
Sampling Duration	24 Hrs	Instrument used for sampling	Fineparticulatesampler ModelTEI121

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Particulate matter Size less than 10 microns	$\mu\text{g m}^3$	59.0	100 max	IS: 5182 (Part-23): 2006
2	Particulate Matter size less than 2.5 microns	$\mu\text{g m}^3$	30.5	60 max	IS: 5182 (Part 24): 2019
3	Sulphur Dioxide as SO <sub>2</sub>	$\mu\text{g m}^3$	6.2	80 max	IS: 5182 (Part-2); 2001
4	Nitrogen Dioxide as NO <sub>2</sub>	$\mu\text{g m}^3$	29.5	80 max	IS: 5182 (Part-6); 2006
5	Carbon Monoxide as CO	$\text{mg m}^3$	1.53	2 max	IS: 5182 (Part-10): 1999
6	Lead as Pb	$\mu\text{g m}^3$	Below Detection limit of 0.01	1 max	IS: 5182 (Part-22): 2004
7	Ammonia as NH <sub>3</sub>	$\mu\text{g m}^3$	26.9	400 max	IS: 5182 (Part-25): 2018
8	Ozone as O <sub>3</sub>	$\mu\text{g m}^3$	18.3	100 max	IS: 5182 (Part-9); 1974
9	Benzene as C <sub>6</sub> H <sub>6</sub>	$\mu\text{g m}^3$	Below detection Limit of 2.5	5 max	IS: 5182 (Part-11): 2006
10	Benzo(a)pyrene (Particulate phase only)	$\text{ng m}^3$	Below Detection Limit of 0.1	1 max	IS: 5182 (Part-12): 2004
11	Arsenic as As	$\text{ng m}^3$	Below Detection Limit of 1	6 max	USEPA Compendium Method IO 3.1 & 3.4
12	Nickel as Ni	$\text{ng m}^3$	2.5	20 max	USEPA Compendium Method IO 3.1 & 3.4

Remarks: The Requirement mentioned here is as per National ambient air quality standards.

Note: Instruments used

i) Thermo Environmental Respirable Dust sampler Model TEI-108 BL, TEI 110.

Date of Calibration : 26.03.2019

Next Calibration Due on: 25.03.2020

ii) Fine particulate sampler Model TEI 121.

Approved Authorized Signatory

Krishnamurthy..  
(Manager-Environment)

Approved On

22-APR-2020

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,

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Website : www.shivaanalytics.com

CIN : U24230KA1994PTC125297

GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Ambient Air

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

IL Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics

City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of March.

2020, Ambient Air Quality

Sample ID

Campus Park # 01; Gate#2 Near

Building #1

Sampling Date

14-MAR-2020

Sampling Duration

24 Hrs

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C. A.No.

05200328001427

Date of Receipt

23-MAR-2020

Date of Booking

28-MAR-2020

Date of Completion

22-APR-2020

Date of Issue

22-APR-2020

Instrument used for sampling

Fineparticulatesampler  
ModelTEH21

Date of Calibration : 26.03.2019

Next Calibration Due on: 25.03.2020

### Terms And Conditions

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(Manager-Environment)

Approved On

22-APR-2020

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaaanalyticals.com  
Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Ambient Air

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

IL Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics  
City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of March  
2020, Ambient Air Quality

Sample ID

Campus B#12, Terrace

Sampling Date

14-MAR-2020

Sampling Duration

24 Hrs.

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200328001428

Date of Receipt

23-MAR-2020

Date of Booking

28-MAR-2020

Date of Completion

22-APR-2020

Date of Issue

22-APR-2020

Instrument used for sampling

Fineparticulatesampler  
ModelTEI121

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TEST METHOD
1	Particulate matter Size less than 10 microns	$\mu\text{g m}^{-3}$	70.1	100 max	IS: 5182 (Part-23): 2006
2	Particulate Matter size less than 2.5 microns	$\mu\text{g m}^{-3}$	36.2	60 max	IS: 5182 (Part 24): 2019
3	Sulphur Dioxide as SO <sub>2</sub>	$\mu\text{g m}^{-3}$	7.0	80 max	IS 5182 (Part-2): 2001
4	Nitrogen Dioxide as NO <sub>2</sub>	$\mu\text{g m}^{-3}$	30.8	80 max	IS:5182 (Part-6): 2006
5	Carbon Monoxide as CO	$\text{mg m}^{-3}$	1.57	2 max	IS: 5182 (Part-10): 1999
6	Lead as Pb	$\mu\text{g m}^{-3}$	0.014	1 max	IS: 5182 (Part-22): 2004
7	Ammonia as NH <sub>3</sub>	$\mu\text{g m}^{-3}$	25.4	400 max	IS: 5182 (Part-25): 2018
8	Ozone as O <sub>3</sub>	$\mu\text{g m}^{-3}$	26.7	100 max	IS 5182 (Part-9): 1974
9	Benzene as C <sub>6</sub> H <sub>6</sub>	$\mu\text{g m}^{-3}$	Below detection Limit of 2.5	5 max	IS: 5182 (Part-11): 2006
10	Benzofluoranthene (Particulate phase only)	$\text{ng m}^{-3}$	Below Detection Limit of 0.1	1 max	IS: 5182 (Part-12): 2004
11	Arsenic as As	$\text{ng m}^{-3}$	Below Detection Limit of 1	6 max	USEPA Compendium Method IO 3.1 & 3.4
12	Nickel as Ni	$\text{ng m}^{-3}$	3.6	20 max	USEPA Compendium Method IO 3.1 & 3.4

Remarks: The Requirement mentioned here is as per National ambient air quality standards.

Note: Instruments used

i) Thermo Environmental Respirable Dust sampler Model TEI-108 BL, TEI 110.

Date of Calibration : 23.04.2019

Next Calibration Due on: 22.04.2020

ii) Fine particulate sampler Model TEI 121.

Date of Calibration : 23.04.2019

Approved Authorized Signatory

Krishnamurthy,

(Manager-Environment)

Approved On

22-APR-2020

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E-mail : info@shivaanalytics.com  
Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Ambient Air			
Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200328001428
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	23-MAR-2020
Customer ID	Sample for the month of March 2020, Ambient Air Quality	Date of Booking	28-MAR-2020
Sample ID	Campus B#12, Terrace	Date of Completion	22-APR-2020
Sampling Date	14-MAR-2020	Date of Issue	22-APR-2020
Sampling Duration	24 Hrs	Instrument used for sampling	Fineparticulatesampler ModelTEH21

Next Calibration Due on: 22.04.2020

### Terms And Conditions

S.No.	Description
1	The results reported above pertains only to the tested samples and applicable parameters.
2	Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified.
3	Total liability of our laboratory is limited to the invoiced amount.
4	This report is not to be reproduced either wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without prior written permission.
5	In case any reconfirmation of contents of this test certificate is required, please contact our office.
6	Sampling is not done by us unless specified.
7	Any discrepancy in the Test Certificate should be notified within 30 days.

Approved Authorized Signatory

Krishnamurthy,  
(Manager-Environment)

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Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Ambient Air

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

II, Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics

City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of March,

2020, Ambient Air Quality

Sample ID

Campus B#29 Near Reception

Sampling Date

14-MAR-2020

Sampling Duration

24 Hrs

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200328001429

Date of Receipt

23-MAR-2020

Date of Booking

28-MAR-2020

Date of Completion

22-APR-2020

Date of Issue

22-APR-2020

Instrument used for sampling

ThermoEnvironmentalRespirableDust  
samplerModelTEI-108NLTEI  
108,FineparticulatesamplerModel  
TEI121

S.NO.	TEST	UNIT	RESULTS	REQUIREMENTS	PROTOCOL/TES T METHOD
1	Particulate matter Size less than 10 microns	$\mu\text{g m}^{-3}$	56.0	100 max	IS: 5182 (Part-23): 2006
2	Particulate Matter size less than 2.5 microns	$\mu\text{g m}^{-3}$	29.3	60 max	IS: 5182 (Part 24): 2019
3	Sulphur Dioxide as SO <sub>2</sub>	$\mu\text{g m}^{-3}$	6.5	80 max	IS 5182 (Part-2): 2001
4	Nitrogen Dioxide as NO <sub>2</sub>	$\mu\text{g m}^{-3}$	28.6	80 max	IS:5182 (Part-6): 2006
5	Carbon Monoxide as CO	$\text{mg m}^{-3}$	1.62	2 max	IS: 5182 (Part-10): 1999
6	Lead as Pb	$\mu\text{g m}^{-3}$	0.014	1 max	IS: 5182 (Part-22): 2004
7	Ammonia as NH <sub>3</sub>	$\mu\text{g m}^{-3}$	24.8	400 max	IS: 5182 (Part-25): 2018
8	Ozone as O <sub>3</sub>	$\mu\text{g m}^{-3}$	17.5	100 max	IS 5182 (Part-9): 1974
9	Benzene as C <sub>6</sub> H <sub>6</sub>	$\mu\text{g m}^{-3}$	Below detection Limit of 2.5	5 max	IS: 5182 (Part-11): 2006
10	Benzo(a)pyrene (Particulate phase only)	$\text{ng m}^{-3}$	Below Detection Limit of 0.1	1 max	IS: 5182 (Part-12): 2004
11	Arsenic as As	$\text{ng m}^{-3}$	Below Detection Limit of 1	6 max	USEPA Compendium Method IO 3.1 & 3.4
12	Nickel as Ni	$\text{ng m}^{-3}$	3.6	20 max	USEPA Compendium Method IO 3.1 & 3.4

Remarks: The Requirement mentioned here is as per National ambient air quality standards.

Note: Instruments used

i) Thermo Environmental Respirable Dust sampler Model TEI-108 NL, TEI 108,

Date of Calibration : 08.06.2019

Next Calibration Due on: 07.06.2020

Approved Authorized Signatory

Krishnamurthy.,

(Manager-Environment)

Approved On

22-APR-2020

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Plot No. 24D(P) & 34D, KIADB Industrial Area,  
Hoskote, Bangalore - 562 114, Karnataka, India  
Tel : +91-80-2801 5333  
E-mail : info@shivaanalytics.com  
Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

Matrix: Ambient Air			
Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.,	C.A.No.	05200328001429
Address	II, Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	23-MAR-2020
Customer ID	Sample for the month of March, 2020, Ambient Air Quality	Date of Booking	28-MAR-2020
Sample ID	Campus B#29 Near Reception	Date of Completion	22-APR-2020
Sampling Date	14-MAR-2020	Date of Issue	22-APR-2020
Sampling Duration	24 Hrs	Instrument used for sampling	ThermoEnvironmentalRespirableDust samplerModelTEI-108NL,TEI 108,FineparticulatesamplerModel TEI 21

ii) Fine particulate sampler Model TEI 121.

Date of Calibration : 08.06.2019

Next Calibration Due on: 07.06.2020

### Terms And Conditions

S.No.	Description
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2	Samples which are degradable will be disposed immediately after testing and others will be disposed after one month from the date of issue of test certificate unless otherwise specified.
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Approved Authorized Signatory

Krishnamurthy,  
(Manager-Environment)

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

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E-mail : info@shivaaanalyticals.com  
Website : www.shivaaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACC8434K1ZV

### Test Certificate (Environment)

Matrix: Noise

Discipline

Group

Issued To

Address

Chemical

Atmospheric Pollution

Infosys Limited.,

II, Bangalore STP Park - I

No. 45 & 46, 3rd Cross, Electronics  
City

Hosur Road, Bangalore - 560100

Customer ID

Sample for the month of March  
2020, Ambient Noise

Sample ID

Near gate- 2- Campus

Sampling Date

14-MAR-2020

Sampling Duration

24 Hrs

PO / Reference No.

2300149397

PO / Reference Date

12-JUN-2019

C.A.No.

05200328001437

Date of Receipt

23-MAR-2020

Date of Booking

28-MAR-2020

Date of Completion

22-APR-2020

Date of Issue

22-APR-2020

Instrument used for sampling

Sound Level Meter- BASE LINE,  
Model 2511

S.NO.	TEST	UNIT	RESULTS	PROTOCOL/TEST METHOD
1	Day Time Noise Level	dB(A) Leq	69.3	IS 9989: 1981
2	Night Time Noise Level	dB(A) Leq	54.2	IS 9989: 1981

Remarks: Ambient air quality standards in respect of Noise as per Environment (Protection) Rules, 1986

Area Code----- Category of area----- Day Time Limits in dB(A) Leq----- Day Time Limits in dB(A) Leq

(A)----- Industrial area----- 75----- 65

(B)----- Commercial area----- 65----- 55

(C)----- Residential area----- 55----- 45

(D)----- Silence Zone----- 50----- 40

Note1: Day time is reckoned in between 06.00 am and 09.00 pm

Note2: Night time is reckoned in between 09.00 pm and 06.00 am

Note: Instruments used and Calibration details 1. Sound Level Meter- BASE LINE, Model 2511 2. Date of Calibration : 28.01.2020 3. Next Calibration  
Due on: 27.01.2021

### Terms And Conditions

S.No.	Description
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Approved Authorized Signatory

Krishnamurthy,  
(Manager-Environment)

Approved On

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## SHIVA ANALYTICALS (INDIA) PRIVATE LIMITED

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Tel : +91-80-2801 5333  
E-mail : info@shivaanalyticals.com  
Website : www.shivaanalyticals.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Noise

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited..	C. A.No.	05200328001439
Address	IL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	23-MAR-2020
Customer ID	Sample for the month of March 2020, Ambient Noise	Date of Booking	28-MAR-2020
Sample ID	Near building No 12 Campus	Date of Completion	22-APR-2020
Sampling Date	14-MAR-2020	Date of Issue	22-APR-2020
Sampling Duration	24 Hrs	Instrument used for sampling	Sound Level Meter- BASE LINE, Model 2511

S.NO.	TEST	UNIT	RESULTS	PROTOCOL/TEST METHOD
1	Day Time Noise Level	dB(A) Leq	62.6	IS 9989: 1981
2	Night Time Noise Level	dB(A) Leq	52.1	IS 9989: 1981

Remarks: Ambient air quality standards in respect of Noise as per Environment (Protection) Rules, 1986

Area Code----- Category of area----- Day Time Limits in dB(A) Leq----- Day Time Limits in dB(A) Leq

(A)----- Industrial area-----75-----65  
(B)----- Commercial area-----65-----55  
(C)----- Residential area-----55-----45  
(D)----- Silence Zone-----50-----40

Note1: Day time is reckoned in between 06.00 am and 09.00 pm

Note2: Night time is reckoned in between 09.00 pm and 06.00 am

Note: Instruments used and Calibration details

Sound Level Meter- BASE LINE, Model 2511

Date of Calibration : 28.01.2020

Next Calibration Due on: 27.01.2021

### Terms And Conditions

S.No.	Description
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Krishnamurthy..  
(Manager-Environment)

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E-mail : info@shivaanalytics.com  
Website : www.shivaanalytics.com  
CIN : U24230KA1994PTC125297  
GSTN : 29AACCS8434K1ZV

### Test Certificate (Environment)

#### Matrix: Noise

Discipline	Chemical	PO / Reference No.	2300149397
Group	Atmospheric Pollution	PO / Reference Date	12-JUN-2019
Issued To	Infosys Limited.	C.A.No.	05200328001438
Address	HL Bangalore STP Park - I No. 45 & 46, 3rd Cross, Electronics City Hosur Road, Bangalore - 560100	Date of Receipt	23-MAR-2020
Customer ID	Sample for the month of March 2020, Ambient Noise	Date of Booking	28-MAR-2020
Sample ID	Near building No 29 Campus	Date of Completion	22-APR-2020
Sampling Date	14-MAR-2020	Date of Issue	22-APR-2020
Sampling Duration	24 Hrs	Instrument used for sampling	Sound Level Meter- BASE LINE, Model 2511

S.NO.	TEST	UNIT	RESULTS	PROTOCOL/TEST METHOD
1	Day Time Noise Level	dB(A) Leq	58.8	IS 9989: 1981
2	Night Time Noise Level	dB(A) Leq	51.1	IS 9989: 1981

Remarks: Ambient air quality standards in respect of Noise as per Environment (Protection) Rules, 1986

Area Code----- Category of area----- Day Time Limits in dB(A) Leq----- Day Time Limits in dB(A) Leq

(A)----- Industrial area-----75-----65

(B)----- Commercial area-----65-----55

(C)----- Residential area-----55-----45

(D)----- Silence Zone-----50-----40

Note1: Day time is reckoned in between 06.00 am and 09.00 pm

Note2: Night time is reckoned in between 09.00 pm and 06.00 am

Note: Instruments used and Calibration details

Sound Level Meter- BASE LINE, Model 2511

Date of Calibration : 28.01.2020

Next Calibration Due on: 27.01.2021

### Terms And Conditions

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Approved Authorized Signatory

Krishnamurthy,  
(Manager-Environment)

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**TEST REPORT**

ULR - TC764719000000929F

Date: 22.02.2020

CUSTOMER DETAILS		SAMPLE DETAILS	
Name & Address  M/s Infosys Ltd, MAIN CAMPUS, Electronics City, Bangalore.	Sample Code No.	:	AWRTCLWTR – C&B/ 08808-08808A/ 19-20
	Sample received on	:	11.02.2020
	Reference	:	PO.NO.430002253 Dated 24.05.2019
	Description of the sample	:	STP-03,TREATED SEWAGE WATER
	Date of Analysis started	:	11.02.2020(Chemistry)
		:	11.02.2020(Microbiology)
	Date of Analysis Completed	:	15.02.2020(Chemistry)
		:	13.02.2020(Microbiology)
	Quantity of the sample	:	1 Ltr + 250 ml
	Packing seal and signature	:	Without seal & Signature
Sampling	:	Mr.Ramu - IS 3025(Part 1) 1987 (RA 2019)	
Subcontract	:	Not Applicable	
Condition of the sample when received:		Turbid water in Plastic and sterilized bottles.	

**TEST DATA: CHEMICAL TESTING - WATER**

S.No	PARAMETER TESTED	UNITS	TEST METHOD	TEST RESULT	Effluent discharge standard for Sewage treatment plant CPCB And KSPCB consent Parameters Requirement (Acceptable Limit)
1	Color	Hazen	APHA 23 <sup>rd</sup> edn 2120 B	<5.0	--
2	Odor	----	IS 3025 (Part 5) :1983 (RA 2018)	AGREEABLE	--
3	Turbidity NTU	NTU	APHA 23 <sup>rd</sup> edn 2130 B	<1.0	--
4	pH Value	----	APHA 23 <sup>rd</sup> edn 4500 H+ B	7.44	6.5-9.0
5	Total Dissolved solids	mg/L	APHA 23 <sup>rd</sup> edn 2540 C	1010.0	--
6	Total suspended Solids	mg/L	APHA 23 <sup>rd</sup> edn 2540 D	<1.0	> 20
7	Oil and grease	mg/L	APHA 23 <sup>rd</sup> edn 5520 B	<0.1	--
8	Residual Chlorine	mg/L	APHA 23 <sup>rd</sup> edn 4500 Cl F	<0.2	--
9	BOD	mg/L	IS 3025 (Part 44):1993 (RA 2019)	8.0	> 10
10	COD	mg/L	APHA 23 <sup>rd</sup> edn 5220 B	50.0	> 50
11	Ammonical nitrogen NH3-N	mg/L	APHA 23 <sup>rd</sup> edn 4500 NH 3 F	<0.1	> 5.0
12	Total Nitrogen as N	mg/L	IS 3025Part 34 1998 (RA 2009) + APHA 23 <sup>rd</sup> edn 4500NO3B + 4500 Norg	2.15	> 10

**TEST DATA: MICROBIOLOGICAL TESTING - WATER**

S.No	PARAMETER TESTED	TEST METHOD	TEST RESULT	Effluent discharge standard for Sewage treatment plant CPCB And KSPCB consent Parameters
1	Faecal Coliform MPN / 100 ml	IS 1622:1981 ( RA 2019)	Not Detected	Less than 100
2	E. coli or thermotolerant Coliform bacteria Presence or Absence / 100ml	IS 1622:1981 ( RA 2019)	Absent	---

MPN: Most Probable Number

INTERPRETATION: Tested sample of water conforms to above Specification.

AUTHORIZED SIGNATORY

DR S. MURALIDHARA RAO  
Head - Laboratory

REPORT No: AWRCL/ WTR-C&amp;B /08808-08808A / 19-20, Date: 22.02.2020 Page 1 of 3

**NABL ACCREDITED LABORATORY | RECOGNIZED BY IAPMO R&T - USA**

WE UNDER TAKE ANALYTICAL JOBS FOR WATER, FOOD, BIOCIDAL RESINS, DETERGENTS & SANITIZERS AND SOIL. WE CARRY OUT PERFORMANCE EVALUATION OF DRINKING WATER TREATMENT UNITS AS PER NSF/ANSI AND BIS STANDARDS BASED ON PERFORMANCE WE CAN ARRANGE FOR CERTIFICATION FROM IAPMO R&T - USA.

**Note:**

- The Results pertain only to the tested samples and applicable parameters.
- Samples will be disposed after 15 days from the issue of test certificate unless otherwise specified, In case of bacteriological tests, the samples will be disposed after 7 days itself from the date of issuing the certificate.
- This report is not to be reproduced either wholly or in parts and cannot be used as evidence in the court of Law and should not be used in any advertising media without prior written permission.



## TEST REPORT

ULR - TC764719000000929F

Date: 22.02.2020

CUSTOMER DETAILS	SAMPLE DETAILS
Name & Address  M/s Infosys Ltd, MAIN CAMPUS, Electronics City, Bangalore.	Sample Code No. : AWRTCLWTR - C/ 08808/ 19-20 Sample received on : 11.02.2020 Reference : PO.NO.430002253 Dated 24.05.2019 Description of the sample : STP-3TREATED SEWAGE WATER Date of Analysis started : 11.02.2020 Date of Analysis Completed : 15.02.2020 Quantity of the sample : 1 Ltr Packing seal and signature : Without seal & Signature Sampling : Mr.Ramu - IS 3025(Part 1) 1987 (RA 2019) Subcontract : Not Applicable Condition of the sample when received: Turbid water in a Plastic bottle

### TEST DATA: CHEMICAL TESTING - WATER

S.No	PARAMETER TESTED	TEST METHOD	TESTRESULT
1	Silica as SiO <sub>2</sub> mg/L	APHA 23 <sup>rd</sup> edn 4500 SiO <sub>2</sub> C	7.48

AUTHORIZED SIGNATORY

*Handwritten signature*

*Handwritten signature: T. Murthy Kumar 192260*

for, *Handwritten signature*  
DR S. MURALIDHARA RAO  
Head - Laboratory

REPORT No: AWRTCL/ WTR-C /08808/ 19-20, Date: 22.02.2020 Page 2 of 3

### NABL ACCREDITED LABORATORY | RECOGNIZED BY IAPMO R&T - USA

WE UNDER TAKE ANALYTICAL JOBS FOR WATER, FOOD, BIOCIDAL RESINS, DETERGENTS & SANITIZERS AND SOIL. WE CARRY OUT PERFORMANCE EVALUATION OF DRINKING WATER TREATMENT UNITS AS PER NSF/ANSI AND BIS STANDARDS BASED ON PERFORMANCE WE CAN ARRANGE FOR CERTIFICATION FROM IAPMO R&T - USA.

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## TEST REPORT

ULR - TC764719000000929F

Date: 22.02.2020

CUSTOMER DETAILS	SAMPLE DETAILS
Name & Address  M/s Infosys Ltd, MAIN CAMPUS, Electronics City, Bangalore	Sample Code No. : AWRCLWTR - C&B/ 08808/ 19-20 Sample received on : 11.02.2020 Reference : PO.NO.430002253 Dated 24.05.2019 Description of the sample : STP-3 TREATED SEWAGE WATER Date of Analysis started : 11.02.2020 Date of Analysis Completed : 15.02.2020 Quantity of the sample : 1 Ltr Packing seal and signature : Without seal & Signature Sampling : Mr.Ramu - IS 3025(Part 1) 1987 (RA 2019) Subcontract : Not Applicable Condition of the sample when received: Clear water in a Plastic bottle.

### TEST DATA:CHEMICAL TESING - WATER

S.No	PARAMETER TESTED	UNIT	TEST METHOD	TESTRESULT
1	Sodium absorption ratio (SAR)	Mmol/L	APHA 23 <sup>rd</sup> edn 3500 Ca B+NaB+Mg B	10.40

AUTHORIZED SIGNATORY

*[Signature]*

*T. Anitha Kumaran*  
697260

For, *[Signature]*  
DR S. MURALIDHARA RAO  
Head - Laboratory

REPORT No: AWRCL/ WTR-C /08808 / 19-20, Date: 22.02.2020 Page 3 of 3

\*\*\*End of the Report\*\*\*

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## TEST REPORT

ULR - TC764719000000930F

Date: 22.02.2020

CUSTOMER DETAILS	SAMPLE DETAILS
<b>Name &amp; Address</b>  <b>M/s Infosys Ltd,</b> <b>MAIN CAMPUS</b> <b>Electronics City,</b> <b>Bangalore.</b>	Sample Code No. : AWRTCLWTR - C&B/ 08809-08809A/ 19-20 Sample received on : 11.02.2020 Reference : PO.NO.430002253 Dated 24.05.2019 Description of the sample : MLPLTREATED SEWAGE WATER Date of Analysis started : 11.02.2020 (Chemistry) : 11.02.2020 (Microbiology) Date of Analysis Completed : 15.02.2020 ( Chemistry) : 13.02.2020 (Microbiology) Quantity of the sample : 1 Ltr + 250 ml Packing seal and signature : Without seal & Signature Sampling : Mr.Ramu - IS 3025(Part 1) 1987 (RA 2019) Subcontract : Not Applicable Condition of the sample when received: Turbid water in Plastic and sterilized bottles.

### TEST DATA: CHEMICAL TESING - WATER

S.No	PARAMETER TESTED	UNITS	TEST METHOD	TEST RESULT	Effluent discharge standard for Sewage treatment plant CPCB And KSPCB consent Parameters Requirement (Acceptable Limit )
1	Color	Hazen	APHA 23 <sup>rd</sup> edn 2120 B	<5.0	--
2	Odor	---	IS 3025 (Part 5 ):1983 (RA 2018)	Agreeable	--
3	Turbidity NTU	NTU	APHA 23 <sup>rd</sup> edn 2130 B	<1.0	--
4	pH Value	---	APHA 23 <sup>rd</sup> edn 4500 H+ B	7.42	6.5-9.0
5	Total Dissolved solids	mg/L	APHA 23 <sup>rd</sup> edn 2540 C	865.0	--
6	Total suspended Solids	mg/L	APHA 23 <sup>rd</sup> edn 2540 D	<1.0	≥ 20
7	Oil and grease	mg/L	APHA 23 <sup>rd</sup> edn 5520 B	<0.1	--
8	Residual Chlorine	mg/L	APHA 23 <sup>rd</sup> edn 4500 Cl F	<0.2	--
9	BOD	mg/L	IS 3025 ( Part 44):1993 (RA 2019)	7.40	≥ 10
10	COD	mg/L	APHA 23 <sup>rd</sup> edn 5220 B	50.0	≥ 50
11	Ammonical nitrogen NH3-N	mg/L	APHA 23 <sup>rd</sup> edn 4500 NH 3 F	<0.1	≥ 5.0
12	Total Nitrogen as N	mg/L	IS 3025Part 34 1998 (RA 2009) + APHA 23 <sup>rd</sup> edn 4500NO3B + 4500 Norg	1.35	≥ 10

### TEST DATA: MICROBIOLOGICAL TESTING - WATER

S.No	PARAMETER TESTED	TEST METHOD	TEST RESULT	Effluent discharge standard for Sewage treatment plant CPCB And KSPCB consent Parameters
1	Faecal Coliform MPN / 100 ml	IS 1622:1981 ( RA 2019)	Not Detected	Less than 100
2	E. coli or thermotolerant Coliform bacteria Presence or Absence / 100ml	IS 1622:1981 ( RA 2019)	Absent	---

MPN: Most Probable Number

INTERPRETATION: Tested sample of water conforms to above Specification.

AUTHORIZED SIGNATORY

*[Signature]*

*[Signature]*  
607260

for, *[Signature]*  
DR S. MURALIDHARA RAO  
Head - Laboratory

REPORT No: AWRTCL/ WTR-C&B /08809-08809A / 19-20, Date: 22.02.2020 Page 1 of 3

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## TEST REPORT

ULR - TC764719000000930F

Date: 22.02.2020

CUSTOMER DETAILS	SAMPLE DETAILS
<b>Name &amp; Address</b>  <b>M/s Infosys Ltd,</b> <b>MAIN CAMPUS,</b> <b>Electronics City,</b> <b>Bangalore.</b>	Sample Code No. : AWRCLWTR - C/ 08809/ 19-20 Sample received on : 11.02.2020 Reference : PO.NO.430002253 Dated 24.05.2019 Description of the sample : MLPL TREATED SEWAGE WATER Date of Analysis started : 11.02.2020 Date of Analysis Completed : 15.02.2020 Quantity of the sample : 1 Ltr Packing seal and signature : Without seal & Signature Sampling : Mr.Ramu - IS 3025(Part 1) 1987 (RA 2019) Subcontract : Not Applicable Condition of the sample when received: Turbid water in a Plastic bottle

### TEST DATA: CHEMICAL TESTING - WATER

S.No	PARAMETER TESTED	TEST METHOD	TESTRESULT
1	Silica as SiO <sub>2</sub> mg/L	APHA 23 <sup>rd</sup> edn 4500 SiO <sub>2</sub> C	8.41

AUTHORIZED SIGNATORY

*[Signature]*  
8/3/20

*[Signature]*  
T. N. Muralidhara  
8/3/20

*[Signature]*  
for,  
**DR S. MURALIDHARA RAO**  
Head - Laboratory

REPORT No: AWRCL/ WTR-C /08809 / 19-20, Date: 22.02.2020 Page 2 of 3

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**TEST REPORT**

ULR - TC764719000000930F

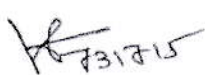
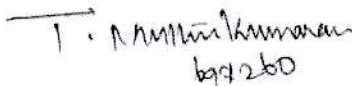
Date: 22.02.2020

CUSTOMER DETAILS	SAMPLE DETAILS
Name & Address  M/s Infosys Ltd, MAIN CAMPUS, Electronics City, Bangalore	Sample Code No. : AWRTCLWTR - C&B/ 08809/ 19-20 Sample received on : 11.02.2020 Reference : PO.NO.430002253 Dated 24.05.2019 Description of the sample : MLPLTREATED SEWAGE WATER Date of Analysis started : 11.02.2020 Date of Analysis Completed : 15.02.2020 Quantity of the sample : 1 Ltr Packing seal and signature : Without seal & Signature Sampling : Mr.Ramu - IS 3025(Part 1) 1987 (RA 2019) Subcontract : Not Applicable Condition of the sample when received: Clear water in a Plastic bottle.

## TEST DATA:CHEMICAL TESING - WATER

S.No	PARAMETER TESTED	UNIT	TEST METHOD	TESTRESULT
1	Sodium absorption ratio (SAR)	Mmol/L	APHA 23 <sup>rd</sup> edn 3500 Ca B+NaB+Mg B	10.94

AUTHORIZED SIGNATORY



  
 For,  
 DR S. MURALIDHARA RAO  
 Head - Laboratory

REPORT No: AWRTCL/ WTR-C /08809 / 19-20, Date: 22.02.2020 Page 3 of 3

\*\*\*End of the Report\*\*\*

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