

IL/BBSR/FAC/MoEF/2019-20/01

Date: 29<sup>th</sup> April 2019

To  
The Govt. of India  
Ministry of Environment, Forest & Climate Change  
Regional Office Eastern Zone  
A/3, Chandrasekharpur  
Bhubaneswar – 751 023

Kind Attn: Dr. R.K. DEY, IFS, Additional Principal Chief Conservator of Forests (C).

Ref: MoEF Clearance Letter No. 21-429/2006-IA.III.

Dear Sir,

With reference to above mentioned letter, we are submitting herewith required compliance status as mentioned below:

As per proposed expansion of campus for Infosys Limited at E/4 Info city, Chandaka Industrial Estate, Bhubaneswar -751024, we have completed construction of all buildings.

We are pleased to certify that we meet the various pollution norms specified in notification – 21-429/2006-IA.III under ref (2) carried out by regular checking. We are submitting herewith the hard copies of the six monthly analysis report of Ambient Air, Noise monitoring, Soil analysis, Ground water as per the compliance report pertaining to **Oct'18– Mar'19**. Also we have mailed the soft copies of analysis report to mail id - [mef.or@nic.in](mailto:mef.or@nic.in) & [roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in)

You are requested to kindly let us know if any further details need to be provided in this matter.

Thanking you,  
Yours Faithfully,

For Infosys Limited



**Biswajit Nayak.**  
Regional Manager.

Attached:

1. Compliance Report
2. Annexure –I (Monitoring Report)
3. Annexure – II (Initiative Conserve Resources)
4. Analysis reports from **Oct'18– Mar'19**

Copy to:

1. The Orissa State pollution control Board, Paribesh Bhawan, A/118, Unit-VIII, BBSR.

**INFOSYS LIMITED**  
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Bhubaneswar 751 024, India  
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## COMPLIANCE REPORT

Compliance to Environmental Clearance Letter No. 21-429/2006-IA.III for expansion of campus for Infosys Limited at E/4 Info city, Chandaka Industrial Estate, Bhubaneswar -751 024

<b>Part A: SPECIFIC CONDITIONS</b>		
<b>I. Construction Phase</b>		
	<b>Conditions</b>	<b>Compliance</b>
i	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	During construction phase, set of toilet with septic tank and soak pit was constructed on the site for construction workers. <b>Presently, toilet and urinal facility is available at South side of the food court area for contract labors.</b>
ii	A first aid room will be provided in the Project both during construction and operation of the Project.	First aid facility was available at construction office area. First aid trained personnel were available. 24 x 7 ambulance facility is available to all inside the campus <b>Presently, First aid and Doctors facility is available within the campus.</b>
iii	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.	Drinking water & sanitary facilities were provided during construction phase. Waste generated during construction phase was processed along with the operational area waste (was connected to existing PHE system).
iv	Provision should be made for the supply of fuel utensils such as pressure cooker etc.	Provision for kitchen and food facility was available during the construction phase.
v	All the labors to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site.	Regular health checkups and periodical awareness were being conducted along with safety awareness program. <b>Safety standards</b> were maintained at site throughout the period of construction.
vi	For disinfection of waste water, use ultras violate radiation, not chlorination.	Waste water generated during construction phase was processed along with the operational area waste (was connected to existing PHE system).

vii	Solid waste management-provide arrangements for composting biodegradable wastes at site.	Compost pit was provided during construction phase for composting biodegradable waste.
viii	All the top soil excavated during construction activities should be stored for use in horticulture/landscape development within Project.	Excavated soil during construction is being used for filling up low area and for landscape development within the campus.
ix	Use of diesel generator sets during construction phase should be enclosed type and should conform to EPA rules prescribed for air and noise emission standards.	DG sets were provided with suitable acoustic metal enclosures. All D.G sets are confirmed to EPA Rules prescribed for air and noise emission standards.
x	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	Periodical checks were in place during construction phase.
xi	Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material be secured so that they should not leach into the ground water.	During construction, it was ensured that the hazardous waste were kept and disposed safely to prevent contamination of ground water.
xii	The diesel generator sets to be used during construction phase should be low Sulphur diesel type and should conform to E(P) Rules prescribed for air and noise emission standards.	DG sets have provided with suitable acoustic metal enclosures. D.G sets have confirmed to EPA Rules prescribed for air and noise emission standards.
xiii	Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	All vehicles have been verified for PUC certification.
xiv	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of sept,1999 and amended as on August,2003	All the blocks used for construction of walls were of fly ash mix.  The cement used for the construction purposes are PPC.
xv	Ready mixed concrete must be used in building construction.	Same was used for all construction purposes.

<b>xvi</b>	Storm water control and its reuse as per CGWB and BIS standards for various applications	Yes, complied during construction
<b>xvii</b>	Water demand during construction should be reduced by use of pre mixed concrete, curing agents and other best practices referred.	Yes, same was followed at the time of construction.
<b>xviii</b>	Permission to draw ground water shall be obtained from the competent Authority prior to construction / operation of the project.	No ground water was used for construction purpose.
<b>xix</b>	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Yes, same was followed at the time of construction.
<b>xx</b>	Treatment of 100% grey water by decentralized treatment should be done.	Yes, complied during construction.
<b>xxi</b>	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	All buildings are designed with sensor based controllers for wash basin and toilets.
<b>xxii</b>	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	Under- deck insulation and thermos shield coating in the newer buildings, to reduce the heat load External surfaces painted in pastel shades, to reflects heat High- quality reflective and double glass are used to reduce heat ingress and control UV factor
<b>xxiii</b>	Roof should meet prescriptive requirement as per Energy conservation building code by using appropriate thermal insulation material to fulfill requirement.	Under- deck insulation and thermos shield coating in the newer buildings, to reduce the heat load and heat transmission
<b>xxiv</b>	Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.	We are following CPCB norms to reduce air and noise pollution at the site.
<b>xxv</b>	Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air-conditioned spaces while it is as per rational for non-air	All the external walls are double wall.

	conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	
xxvi	Disposal of Muck should not create any adverse effect on the neighboring communities and disposed taking necessary precautions.	All precautions were taken while disposal of muck.

## II. Operation Phase

i)	The installation of the sewage treatment plant (STP) should be certified by an independent expert and should submit a report in this regard to the Ministry before the project is commissioned for operation.	Sewage generation from the campus is 240 Kl/d. Third party testing is done on monthly basis. The sewage is treated to tertiary level confirming to OSPCB standards and reuses for gardening.												
ii)	Water harvesting system and energy conservation measures like installation of solar panels for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.	Rain water is being collected, stored and reused for Landscaping. Solar Panels are installed on terrace and solar energy is being used for heating water & lighting gardens and common areas .												
iii)	The solid waste generated should be properly collected & segregated before disposal to the City Municipal Facility. The in vessel bio conversion technique should be used for composting the organic waste.	All solid waste are properly collected and segregated before disposal.												
iv)	Any hazardous waste including biomedical waste should be disposed of as per applicable Rules & norms with necessary approvals of the Orissa State Pollution Control Board.	Hazardous and medical waste material is sent for safe disposal to third party (OSPCB certified waste vendor).												
v)	The green belt design along the periphery of the plot shall be planned to achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped with plants of indigenous variety	<p>The landscape is developed in approx. 40% area of the campus. There are 10000 tree species, which have planted, are of indigenous variety. In the last half year 12 plants &amp; around 9310 shrubs &amp; creepers are added. Landscape development work is always in Progress.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Month</th> <th>Trees &amp; Plants</th> <th>Shrubs &amp; creepers</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Oct'18</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2800</td> <td style="text-align: center;">2801</td> </tr> <tr> <td>Nov'18</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4700</td> <td style="text-align: center;">4703</td> </tr> </tbody> </table>	Month	Trees & Plants	Shrubs & creepers	Total	Oct'18	1	2800	2801	Nov'18	3	4700	4703
Month	Trees & Plants	Shrubs & creepers	Total											
Oct'18	1	2800	2801											
Nov'18	3	4700	4703											

		Dec'18	6	0	6
		Jan'19	0	1810	1810
		Feb'19	0	0	0
		Mar'19	2	0	2
		<b>Total</b>	<b>12</b>	<b>9310</b>	<b>9322</b>
vi)	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project	Incremental pollution loads on the ambient air quality; noise and water quality are being monitored on monthly basis by third party vendor (PCB & MOEF certified vendor)			
vii)	Application of solar energy should be incorporated for illumination of common areas, lightings for gardens and street lighting in addition to provision for solar water heating.	Solar energy is being used to provide hot water in both the Guest house and also lighting for gardens and common areas.			
viii)	Adequate measure should be taken to avoid any traffic congestion near the entry and exit points from the roads adjoining the proposed project site.	Entry and exit to the campus are located in such a way that it does not affect public traffic system on the adjoining roads.			
ix)	A report on the energy conservation measures should be prepared incorporating details about building materials & technology, R & U factors etc. and submitted to the ministry in three months' time.	Submitted along with application for MOEF clearance also attached highlights with this report.			

**PART-B. GENERAL CONDITIONS**

i)	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	Agreed and followed. We are certified to <b>ISO14001 and OHSAS18001 STANDARDS</b> . Infosys is the first IT company in the world to publish its sustainability report based on the latest Global Reporting Initiative (GRI) G4 comprehensive frame work. GRI is the most widely respected sustainability reporting framework worldwide.
ii)	Six monthly monitoring reports should be submitted to the ministry and its Regional Office, Bhubaneshwar.	Being complied. Submitted regularly
4.	Officials from the Regional Office of MOEF, Bhubaneshwar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to MOEF should be forwarded to the CCF, Regional office of MOEF, Bhubaneshwar.	Agreed and is followed.
5.	In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Point Noted
6.	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Point Noted
7.	All other statutory clearances such as the approvals for storage of diesel from <b>Chief Controller of Explosives</b> , Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained,	License from the Chief Controller of Explosives - Ministry of Commerce and Industry Petroleum and Explosives Safety organization (PESO) License No: <b>P/HQ/OR/15/999(P18977) Dated 01.10.2002</b> valid till 31st Dec 2021

	as applicable by project proponents from the competent authorities.	Fire Approval: For High rise buildings CCC, SDB-4 & Hostel Block Buildings is available, for other buildings: NA (Still we have applied for Fire NOC for all building inside campus) Civil Aviation: NA Forest Conservation Act: NA Wildlife protection Act: NA
8.	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Orissa State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within 7days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore.	Done during initial stage
9.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Accepted. We are complying with all the rules and regulations laid against our projects
10.	Under the provisions of Environment (Protection) Act, 1986 legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	Point Noted
11.	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project	Point Noted



## Annexure-I

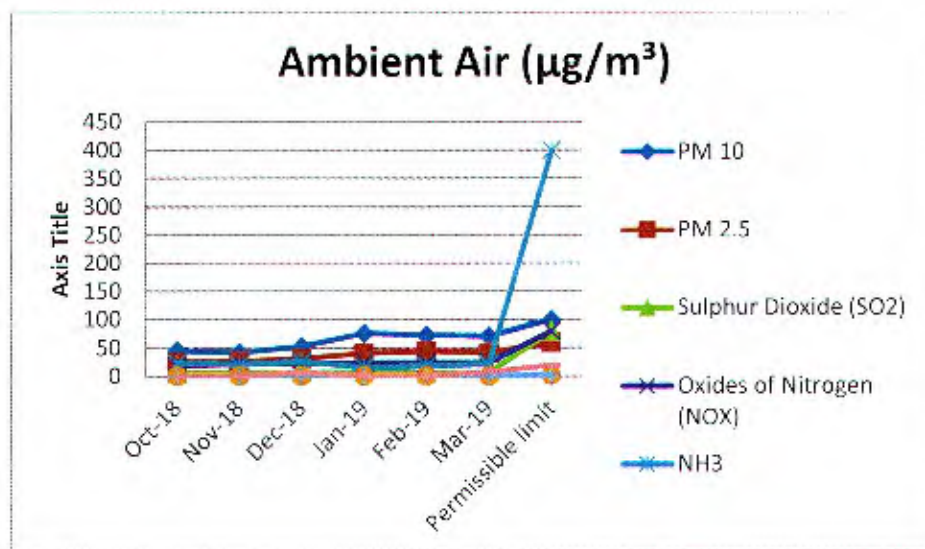
### Monitoring report

The environmental status was assessed and report prepared by approved laboratories from OSPCB ( Mitra S. K. Pvt Ltd). The following environmental components were focused:

- Air Environment (Ambient Air Quality and Noise Levels.)
- Land Environment (Surface soil and characteristics)
- Water Environment (Quality of Surface and Groundwater sources)

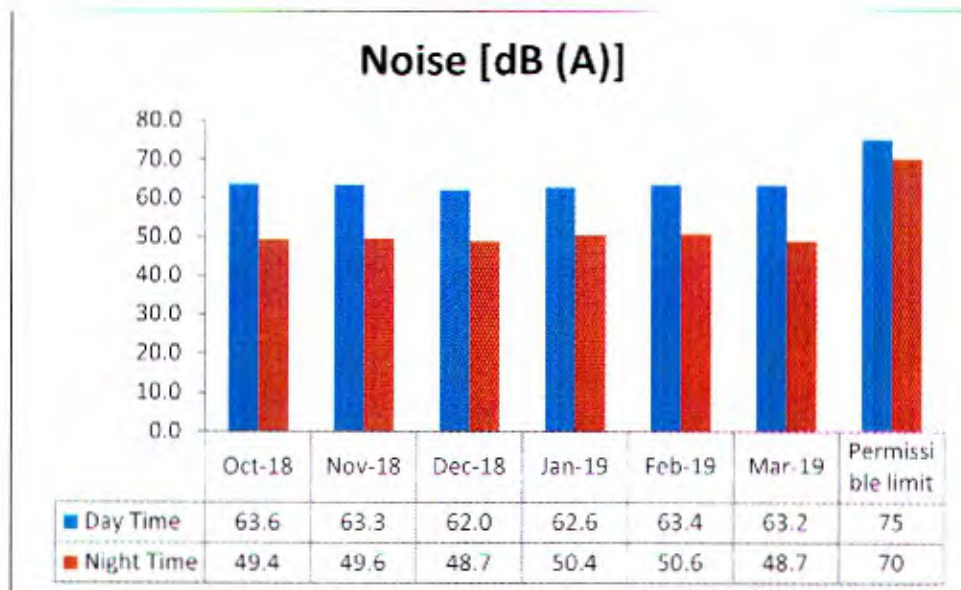
### Ambient Air Quality

Ambient air quality was monitored at eight stations and survey time was 24 Hrs for each station. Selection of air quality monitoring station was done as per MoEF guidelines for conducting EIA study. One station was set up at the project site (core Zone) and four are in upwind direction and three are in down wind direction of the project site. The pollutant concentration levels of PM 10, PM 2.5, Sulphur Dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>), NH<sub>3</sub>, Ni, AS, Benzene, Benzo (a) Pyrene, O<sub>3</sub>, CO and Pb are measured. It was observed that concentration levels of all parameters are well within the prescribed limits and AS, Benzene, Benzo (a) Pyrene and O<sub>3</sub> are below detection limit at all locations.



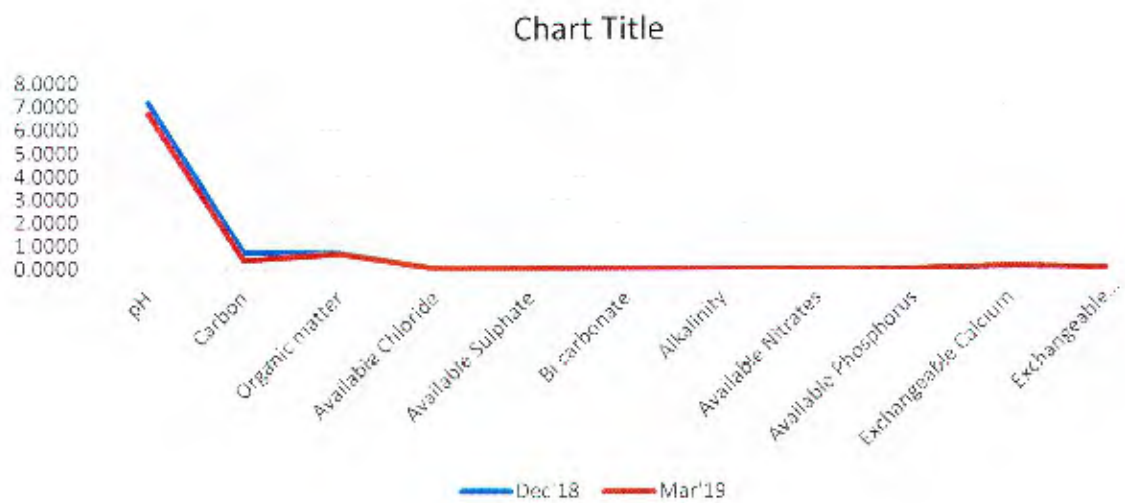
### Noise Levels

Noise monitoring was carried out at nine locations at and around the site. The noise levels at day & night time recorded are found below permissible limit.



## Soil Quality

To assess the baseline soil quality, eight numbers of soil samples are collected and analyzed. The color of surface soil at the site is light brown. The share of carbon, calcium and organic matter content in the soil is more compared to others, however other macronutrients have been found in very insignificant quantities.





## Annexure – II

### Initiative to conserve resources

Impacts were also evaluated qualitatively using engineering judgment and best management practices. Adequate environmental management measures are incorporated to minimize the adverse environmental impacts and assure sustainable development of the area.

### Energy

- Monitoring lighting and fans in night shifts.
- Optimization of chiller and AHU operations.
- Solar energy used for water heating in Hostel & Guest House.
- Use of low energy and environmental friendly materials, process and equipment's.
- Energy efficient HVAC and lighting system.
- Purchase of energy efficient appliances.
- Installation of Motion sensors in all the rest rooms. Installation of LED in rest rooms.
- Terminator programs for auto shut down of computers after office hours and during weekends.
- Rectification is done to old equipment for energy efficient equipment.
- Reduction in consumption unit/ person is 3% in 2018-19 Based on the annual consumption FY 2017-2018.

### Paper

- Password protection enabled for printers & photocopier machine to minimize paper wastage.
- Printers – Enabled Economy mode by 2 pages / sheet & duplex printing
- Study material and certification documents made available at common place to enable better utilization.
- Encourage the use of scanned copies to avoid need for printing.
- Recycled paper introduced for note keeping.
- Track employees printing more than 100 pages per day and seek justification

### Water

- Daily water meter readings being monitored for all locations to study consumption pattern & identifying gaps / losses.
- Isolation of non-functional areas
- Leakage testing and arresting of firefighting pipe lines.
- Press-matic taps in place of conventional taps in Food Court.
- Reduction of lawn area by 3%
- Watering to trees is done in 3days interval instead of everyday which are older than 4 years.
- Increase in water consumption (KL/ person) is 10.4% in 2018-19 Based on the annual consumption FY 2017-2018.

# Mitra S. K. Private Limited

N-5/100, Ground Floor  
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Bhubaneswar - 751015  
[CIN : U51909WB1956PTC023037]

T : (0674) 2362916 / 2360917  
F : (0674) 2362916

Name & Address of the Customer :  
INFOSYS LIMITED  
PLOT NO. E/4 INFOCITY,

Bhubaneswar-751024

Report No. : BBS/240

Date : 01.11.2018

Sample No. : MSKGL/ED/2018-19/10/00369,00370 &  
00371

Sample Description : Ambient Air Quality

## TEST REPORT

### Ambient Air Quality Reports

Sl. No	Date of Monitoring	Sampling Location	Concentration of Pollutants										Benzo(a) Pyrene (ng/m <sup>3</sup> )	
			PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	NH <sub>3</sub> (µg/m <sup>3</sup> )	O <sub>3</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	Pb (µg/m <sup>3</sup> )	Ni (ng/m <sup>3</sup> )	As (ng/m <sup>3</sup> )		Benzene (µg/m <sup>3</sup> )
1.	04.10.2018	Near Food Court	37	21	5.7	19.4	18.7	12.6	0.47	<0.02	<4.0	<1.0	<2.08	<0.4
2.	04.10.2018	Near STP Area	56	31	6.5	18.0	23.4	22.9	0.73	<0.02	<4.0	<1.0	<2.08	<0.4
3.	05.10.2018	Near DG Area	42	23	6.0	20.1	28.1	19.3	0.92	<0.02	<4.0	<1.0	<2.08	<0.4
Limit as per CPCB notification, New Delhi, 18th Nov, 2009, for Ambient air quality			100	60	80	80	400	180	2	1	20	6	5	1
Sampling and Analysis done according to			IS: 5182(Part-23)-1999	USEPA CFR-40, Part-50, Appendix-L	IS: 5182 (Part-2)-2001	IS: 5182 (Part-6)-2006	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-401)	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-411)	IS 5182 : Part.10-1999	EPA IO-3.2	EPA IO-3.2	APHA 22 <sup>nd</sup> 3114 C	IS 5182 : Part. 11	IS 5182 : Part. 12

Report Prepared By:

For Mitra S.K. Private Limited

Authorized Signatory



# Mitra S. K. Private Limited



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Bhubaneswar - 751015  
{CIN : U51909WB1956PTC023037}

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## TEST REPORT

Name & Address of the Customer :

INFOSYS LIMITED

PLOT NO. E/4 INFOCITY,

Bhubaneswar-751024

Report No. : BBS/630  
Date : 28.11.2018  
Sample No. : MSKGL/ED/2018-19/11/00140,00141 &  
00142  
Sample Description : Ambient Air Quality

### Ambient Air Quality Reports

Sl. No	Date of Monitoring	Sampling Location	Concentration of Pollutants											
			PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	NH <sub>3</sub> (µg/m <sup>3</sup> )	O <sub>3</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	Pb (µg/m <sup>3</sup> )	Ni (ng/m <sup>3</sup> )	As (ng/m <sup>3</sup> )	Benzene (µg/m <sup>3</sup> )	Benzo(a) Pyrene (ng/m <sup>3</sup> )
1.	02.11.2018	Near Food Court	42	26	6.9	22.3	22.5	15.1	0.46	<0.02	<4.0	<1.0	<2.08	<0.4
2.	02.11.2018	Near STP Area	35	22	7.7	23.4	18.0	14.0	0.86	<0.02	<4.0	<1.0	<2.08	<0.4
3.	03.11.2018	Near DG Area	48	30	4.5	21.1	21.0	21.7	0.98	<0.02	<4.0	<1.0	<2.08	<0.4
Limit as per CPCB notification, New Delhi, 18th Nov, 2009, for Ambient air quality			100	60	80	80	400	180	2	1	20	6	5	1
Sampling and Analysis done according to			IS: 5182(Part-23)-1999	USEPA CFR-40, Part-50, Appendix I-L	IS: 5182 (Part-2)-2001	IS: 5182 (Part-6)-2006	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-401)	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-411)	IS 5182 : Part L10-1999	EPA IO-3.2	EPA IO-3.2	APHA 22 <sup>nd</sup> 3114 C	IS 5182 : Part. 11	IS 5182 : Part. 12

Report Prepared By:



For Mitra S.K. Private Limited  
*P. Pradhan*  
Authorized Signatory

# Mitra S. K. Private Limited

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Bhubaneswar - 751015  
[CIN : U51909WB1956PTC023037]

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F : (0674) 2362918

Name & Address of the Customer :  
INFOSYS LIMITED  
PLOT NO. E/4 INFOCITY,

BHUBANESWAR - 751 024, ORISSA

## TEST REPORT

Report No. : BBS/710  
Date : 01.01.2019  
Sample No. : MSKGL/ED/2018-19/12/00116,117 &  
118

Sample Description : Ambient Air Quality

### Ambient Air Quality Reports

Sl. No	Date of Monitoring	Sampling Location	Concentration of Pollutants										Benzene (µg/m <sup>3</sup> )	As (ng/m <sup>3</sup> )	Benzene (µg/m <sup>3</sup> )	Pyrene (ng/m <sup>3</sup> )
			PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	NH <sub>3</sub> (µg/m <sup>3</sup> )	O <sub>3</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	Pb (µg/m <sup>3</sup> )	Ni (ng/m <sup>3</sup> )					
1.	01.12.2018	Near Food Court	60	38	7.3	23.9	31.3	20.6	0.56	0.02	<5.0	<1.0	<4.2	<0.5		
2.	01.12.2018	Near STP Area	47	24	<6.0	21.4	20.9	<20.0	0.47	<0.01	<5.0	<1.0	<4.2	<0.5		
3.	02.12.2018	Near DG Room	51	32	6.4	22.8	26.1	<20.0	0.97	0.01	6.12	<1.0	<4.2	<0.5		
Limit as per CPCB notification, New Delhi, 18th Nov, 2009, for Ambient air quality			100	60	80	80	400	180	2	1	20	6	5	1		
Sampling and Analysis done according to			IS: 5182(Part-23)-1999	USEPA CFR-40, Part-50, Appendix I-L	IS: 5182 (Part-2)-2001	IS: 5182 (Part-6)-2006	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method d-401)	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-411)	IS 5182: Part.10-1999	EPA IO-3.2	EPA IO-3.2	APHA 22 <sup>nd</sup> -3114 C	IS 5182: Part.11	IS 5182: Part.12		

Prepared By:



For Mitra S.K. Private Limited  
Authorized Signatory



# Mitra S. K. Private Limited

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Bhubaneswar - 751015  
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## TEST REPORT

Name & Address of the Customer :  
INFOSYS LIMITED  
PLOT NO. E/4 INFOCITY,

Report No. : BBS/853  
Date : 31.01.2019  
Sample No. : MSKGL/ED/2018-19/01/00510 to 005

Bhubaneswar-751024

Sample Description : Ambient Air Quality

### Ambient Air Quality Reports

Sl. No	Date of Monitoring	Sampling Location	Concentration of Pollutants										Benzo Pyrene (µg/m <sup>3</sup> )	
			PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	NH <sub>3</sub> (µg/m <sup>3</sup> )	O <sub>3</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	Pb (µg/m <sup>3</sup> )	Ni (ng/m <sup>3</sup> )	As (ng/m <sup>3</sup> )		
1.	04.01.2019	Near Food Court	76	42	8.2	24.4	15.7	21.4	0.67	<0.01	<1.0	<4.2	<0.4	
2.	04.01.2019	Near STP Area	69	34	6.8	22.2	10.5	<20.0	0.78	<0.01	<1.0	<4.2	<0.4	
3.	05.01.2019	Near DG Area	83	46	7.3	23.7	21.0	20.3	0.94	<0.01	<1.0	<4.2	<0.4	
Limit as per CPCB notification, New Delhi, 18th Nov, 2009, for Ambient air quality			100	60	80	80	400	180	2	1	6	5	1	
Sampling and Analysis done according to			IS: 5182(Part-23)-1999	USEPA CFR-40, Part-50, Appendix-L	IS: 5182 (Part-2)-2001	IS: 5182 (Part-6)-2006	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method d-401)	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-411)	IS 5182 : Part.10-1999	EPA IO-3.2	EPA IO-3.2	APHA 22 <sup>nd</sup> . 3114 C	IS 5182 : Part. 11	IS 5182 : 12

Report Prepared By:

A.V



For Mitra S.K. Private Limited  
*S. K. Pradhan*  
Authorized Signatory

# Mitra S. K. Private Limited

N-5/100, Ground Floor  
IRC Village, Nayapalli  
Bhubaneswar - 751015  
[CIN : U51909WB1956PTC023037]

T : (0674) 2362916 / 2360917  
F : (0674) 2362918

Name & Address of the Customer :  
INFOSYS LIMITED  
PLOT NO. E/4 INFOCITY,

Bhubaneswar-751024

Report No. : BBS/001

Date : 28.02.2019

Sample No. : MSKGL/ED/2018-19/02/00184 to 001

Sample Description : Ambient Air Quality

## TEST REPORT

### Ambient Air Quality Reports

Sl. No	Date of Monitoring	Sampling Location	Concentration of Pollutants											Benzene (µg/m <sup>3</sup> )	Pyrene (ng)
			PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	NH <sub>3</sub> (µg/m <sup>3</sup> )	O <sub>3</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	Pb (µg/m <sup>3</sup> )	Ni (ng/m <sup>3</sup> )	As (ng/m <sup>3</sup> )			
1.	01.02.2019	Near Food Court	75	47	6.9	24.8	15.8	<20.0	0.56	<0.01	<5.0	<1.0	<4.2	<0.5	
2.	01.02.2019	Near STP Area	81	49	7.3	25.6	21.0	<10.0	0.76	<0.01	<5.0	<1.0	<4.2	<0.5	
3.	02.02.2019	Near DG Area	61	38	6.4	23.0	<10.0	<20.0	0.66	<0.01	<5.0	<1.0	<4.2	<0.5	
Limit as per CPCB notification, New Delhi, 18th Nov, 2009, for Ambient air quality			100	60	80	80	400	180	2	1	20	6	5	1	
Sampling and Analysis done according to			IS: 5182(Part-23)-1999	USEPA CFR-40, Part-50, Appendix L	IS: 5182 (Part-2)-2001	IS: 5182 (Part-6)-2006	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-411)	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-401)	IS 5182 : Part.10-1999	EPA IO-3.2	EPA IO-3.2	APHA 22 <sup>nd</sup> - 3114 C	IS 5182 : Part. 11	IS 5182 : 12	

Report Prepared By:

A. K.

For Mitra S. K. Private Limited

*S. Pradhan*  
Authorized Signatory



# Mitra S. K. Private Limited



N-5/100, Ground Floor  
 IRC Village, Nayapalli  
 Bhubaneswar - 751015  
 [CIN : U51909WB1956PTC023037]

T : (0674) 2362916 / 2360917  
 F : (0674) 2362918

Name & Address of the Customer :  
**INFOSYS LIMITED**  
 PLOT NO. E/4 INFOCITY,  
 BHUBANESWAR - 751 024 , ORISSA

Report No. : BBS/185  
 Date : 01.04.2019  
 Sample No. : MSKGL/ED/2018-19/03/00833 to 835  
 Sample Description : Ambient Air Quality

## TEST REPORT

### Ambient Air Quality Reports

Sl. No	Date of Monitoring	Sampling Location	Concentration of Pollutants											Bezo( Pyrene (ng
			PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NH <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	O <sub>3</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\text{mg}/\text{m}^3$ )	Pb ( $\mu\text{g}/\text{m}^3$ )	Ni ( $\text{ng}/\text{m}^3$ )	As ( $\text{ng}/\text{m}^3$ )	Benzene ( $\mu\text{g}/\text{m}^3$ )	
1.	10.03.2019	Near Food Court	71	42	7.3	24.0	26.7	21.1	0.52	0.02	<5.0	<1.0	<4.2	<0.5
2.	10.03.2019	Near STP Area	78	47	6.4	25.1	21.3	22.6	0.72	0.05	6.9	<1.0	<4.2	<0.5
3.	11.03.2019	Near DG Room	64	36	6.2	23.9	16.0	20.6	0.88	0.05	7.1	<1.0	<4.2	<0.5
Limit as per CPCB notification, New Delhi, 18th Nov, 2009, for Ambient air quality			100	60	80	80	400	180	2	1	20	6	5	1
Sampling and Analysis done according to			IS: 5182(Part-2)-2001	USEPA CFR-40, Part-50, Appendix-L	IS: 5182 (Part-6)-2006	Air Sampling, 3 <sup>rd</sup> Edn. By James P. Lodge (Method-411)	IS 5182 : Part.10-1999	EPA IO-3.2	EPA IO-3.2	APHA 22 <sup>nd</sup> , 3114 C	IS 5182 : Part. 11	IS 5182 : 12		



Report Prepared By: *A. L.*

For Mitra S.K. Private Limited  
*P. P. Pradhan*  
 Authorized Signatory

## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024

Report No. : BBS/249  
Date : 01.11.2018  
Sample No. : MSKGL/ED/2018-19/10/00395,  
00396 & 00398  
Sample Description : Ambient Noise

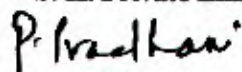
### ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	05.10.2018	Near Food Court	58.7	47.2
2.	05.10.2018	Near STP	58.1	44.9
3.	06.10.2018	Near DG Room	62.3	46.8

Report Prepared by:



For Mitra S. K. Private Limited

  
Authorized Signatory



## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024

**Report No. : BBS/263**  
**Date : 01.11.2018**  
**Sample No. : MSKGL/ED/2018-19/10/00908,**  
**00909**  
**Sample Description : Ambient Noise**

### ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	21.10.2018	Chiller Room	67.8	52.4
2.	21.10.2018	STP in STPI Campus	71.2	55.6

Report Prepared by:



For Mitra S. K. Private Limited

  
Authorized Signatory



N-5/100, Ground Floor  
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 Bhubaneswar - 751015  
 CIN : U51909WB1966PTC023037

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 F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
 PLOT NO. E/4 INFOCITY,  
 BHUBANESWAR - 751 024

**Report No. :** BBS/639  
**Date :** 28.11.2018  
**Sample No. :** MSKGL/ED/2018-19/11/00151,  
 00152 & 00153  
**Sample Description :** Ambient Noise

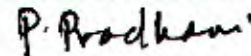
### ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	02.11.2018	Near Food Court	59.1	46.7
2.	02.11.2018	Near STP	56.4	45.9
3.	02.11.2018	Near DG Room	61.8	47.5

Report Prepared by:



For Mitra S. K. Private Limited



Authorized Signatory



N-5/100, Ground Floor  
IRC Village, Nayapalli  
Bhubaneswar - 751015  
CIN : U51909WB1956PTC023037

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## TEST REPORT

**Name & Address of the Customer :**

**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024

**Report No. : BBS/653**

**Date : 28.11.2018**

**Sample No. : MSKGL/ED/2018-19/11/00154,  
00155**

**Sample Description : Ambient Noise**

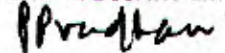
### ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	04.11.2018	Chiller Room	69.5	53.8
2.	04.11.2018	STP in STPI Campus	69.9	54.3

Report Prepared by:



For Mitra S. K. Private Limited



Authorized Signatory



N-5/100, Ground Floor  
 IRC Village, Nayapalli  
 Bhubaneswar - 751015  
 CIN : U51909WB1956PTC023037

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 F : (0674) 2362918

## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
 PLOT NO. E/4 INFOCITY,  
 BHUBANESWAR - 751 024

**Report No. : BBS/720**  
**Date : 01.01.2019**  
**Sample No. : MSKGI/ED/2018-19/12/00129,**  
**12/00130,12/00131,00132,00192**  
**Sample Description : Ambient Noise**

### ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	01.12.2018	Near Food Court	60.3	44.5
2.	01.12.2018	Near STP	54.8	46.1
3	01.12.2018	STP in STPI Campus	64.3	50.6
4.	02.12.2018	Near DG Room	62.9	50.4
5.	02.12.2018	Chiller Room	67.7	51.9

*Prasanna*  
 Report Prepared by:



For Mitra S. K. Private Limited

*P. Pradhan*  
 Authorized Signatory



N-5/100, Ground Floor  
IRC Village, Nayapalli  
Bhubaneswar - 751015  
CIN : U51909WB1956PTC023037

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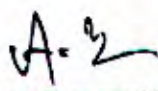
## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024

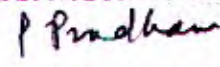
**Report No. : BBS/862**  
**Date : 31.01.2019**  
**Sample No. : MSKGL/ED/2018-19/01/00539,**  
**to 00543**  
**Sample Description : Ambient Noise**

### ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	04.01.2019	Near Food Court	63.8	47.2
2.	04.01.2019	Near STP	56.2	46.9
3.	05.01.2019	Near DG Room	60.5	51.3
4.	05.01.2019	STP in STPI campus	65.6	52.8
5.	06.01.2019	Chiller room	66.8	53.7

  
Report Prepared by:

For Mitra S. K. Private Limited

  
Authorized Signatory



N-5/100, Ground Floor  
IRC Village, Nayapalli  
Bhubaneswar - 751015  
CIN : U51909WB1958PTC023037

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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024

Report No. : BBS/011  
Date : 28.02.2019  
Sample No. : MSKGL/ED/2018-19/02/00222,  
to 00226  
Sample Description : Ambient Noise

## ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	01.02.2019	Near Food Court	64.6	49.5
2.	01.02.2019	Near STP	61.1	45.9
3.	02.02.2019	Near DG Room	58.7	50.8
4.	03.02.2019	STP in STPI campus	67.3	52.4
5.	01.02.2019	Chiller room	65.2	54.6

  
Report Prepared by:

For Mitra S. K. Private Limited



  
Authorized Signatory

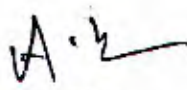
## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024

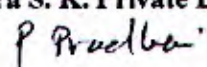
**Report No. :** BBS/195  
**Date :** 01.04.2019  
**Sample No. :** MSKGL/ED/2018-19/03/00951,  
03/00952,03/00953,00954,00955  
**Sample Description :** Ambient Noise

### ANALYSIS RESULT

Sl. No	Sampling Date	Sampling Location	Results in dB(A)	
			Day Time	Night Time
1.	10.03.2019	Near Food Court	66.8	48.7
2.	11.03.2019	Near STP	58.2	44.5
3	11.03.2019	STP in STPI Campus	64.1	51.4
4.	11.03.2019	Near DG Room	57.3	48.6
5.	10.03.2019	Chiller Room	69.6	50.3

  
Report Prepared by:



For Mitra S. K. Private Limited  
  
Authorized Signatory

N-5/100, Ground Floor  
IRC Village, Nayapalli  
Bhubaneswar - 751015  
CIN : U51909WB1956PTC023037

T : (0674) 2362916 / 2360917  
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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

Report No. : BBS/739  
Date : 01.01.2019  
Sample No. : MSKGL/ED/2018-19/12/00125  
Sample Description : Soil  
Date of sampling : 03.12.2018  
Sampling Location : Infosys Campus

### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Brown 5 YR 5/4
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II .pg 945	0.016
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffim:1995	0.61
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	<0.0003
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II, pg 945	0.020
6.	Carbonate	%	TPM/MSK/E/1/X, Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25 <sup>o</sup> C	None	IS 2720 (Part 26)-1987; Rffim:2007	7.66
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffim:1995	0.66
9.	Available Chloride	%	TPM/MSK/E/1/J, Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.014
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffim:2006	<0.0012
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II.pg 1219	0.0098
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.15
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.024

Report Prepared by:



For Mitra S. K. Private Limited

*P. Pradhan*  
Authorized Signatory

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IRC Village, Nayapalli  
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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

Report No. : BBS/738  
Date : 01.01.2019  
Sample No. : MSKGL/ED/2018-19/12/00126  
Sample Description : Soil  
Date of sampling : 03.12.2018  
Sampling Location : Patia

### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Reddish Brown 2.5 YR 5/6
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II ,pg 945	0.015
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffm:1995	0.70
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L. Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	0.0006
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II, pg 945	0.019
6.	Carbonate	%	TPM/MSK/E/1/X, Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25°C	None	IS 2720 (Part 26)-1987; Rffm:2007	6.94
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffm:1995	0.76
9.	Available Chloride	%	TPM/MSK/E/1/J, Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.014
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffm:2006	0.004
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II,pg 1219	<0.0004
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.07
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.006

Report Prepared by:



For Mitra S. K. Private Limited

*P. Pradhan*  
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GIN : U51909WB1956PTC023037

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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

Report No. : BBS/741  
Date : 01.01.2019  
Sample No. : MSKGL/ED/2018-19/12/00128  
Sample Description : Soil  
Date of sampling : 03.12.2018  
Sampling Location : Pathargadia

### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Reddish Brown 2.5YR 4/6
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II ,pg 945	0.014
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffm:1995	0.77
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	0.0009
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II, pg 945	0.017
6.	Carbonate	%	TPM/MSK/E/1/X, Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25 <sup>o</sup> C	None	IS 2720 (Part 26)-1987; Rffm:2007	7.71
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffm:1995	0.82
9.	Available Chloride	%	TPM/MSK/E/1/J, Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.012
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffm:2006	<0.0012
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II.pg 1219	0.0015
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.13
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.084

Report Prepared by:



For Mitra S. K. Private Limited

*P. Pradhan*  
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## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

**Report No. :** BBS/740  
**Date :** 01.01.2019  
**Sample No. :** MSKGL/ED/2018-19/12/00127  
**Sample Description :** Soil  
**Date of sampling :** 03.12.2018  
**Sampling Location :** Shailashree vihar

### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Reddish Brown 2.5 YR 4/8
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II ,pg 945	0.011
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffim:1995	0.57
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L. Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	<0.0003
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II, pg 945	0.013
6.	Carbonate	%	TPM/MSK/E/1/X. Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25°C	None	IS 2720 (Part 26)-1987; Rffim:2007	6.38
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffim:1995	0.62
9.	Available Chloride	%	TPM/MSK/E/1/J, Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.013
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffim:2006	0.010
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II,pg 1219	0.0017
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.04
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.036

*[Signature]*  
Report Prepared by:



For Mitra S. K. Private Limited

*[Signature]*  
Authorized Signatory

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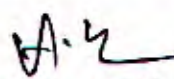
## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

**Report No. :** BBS/214  
**Date :** 01.04.2019  
**Sample No. :** MSKGL/ED/2018-19/03/00858  
**Sample Description :** Soil  
**Date of sampling :** 12.03.2019  
**Sampling Location :** Infosys Campus

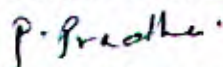
### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Brown 5 YR 5/4
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II ,pg 945	0.018
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffin:1995	0.55
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	<0.0003
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II, pg 945	0.026
6.	Carbonate	%	TPM/MSK/E/1/X, Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25 <sup>o</sup> C	None	IS 2720 (Part 26)-1987; Rffin:2007	6.57
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffin:1995	0.32
9.	Available Chloride	%	TPM/MSK/E/1/J,Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.016
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffin:2006	0.042
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II.pg 1219	0.0088
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.20
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.029

  
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For Mitra S. K. Private Limited

  
Authorized Signatory



## TEST REPORT

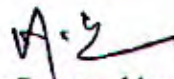
**Name & Address of the Customer :**

**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

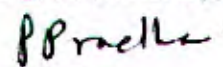
**Report No. : BBS/213****Date : 01.04.2019****Sample No. : MSKGL/ED/2018-19/03/00857****Sample Description : Soil****Date of sampling : 12.03.2019****Sampling Location : Patia**

### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Reddish Brown 2.5 YR 5/6
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II ,pg 945	0.034
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffm:1995	0.74
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L. Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	<0.0003
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II. pg 945	0.036
6.	Carbonate	%	TPM/MSK/E/1/X, Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25 <sup>o</sup> C	None	IS 2720 (Part 26)-1987; Rffm:2007	6.12
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffm:1995	0.43
9.	Available Chloride	%	TPM/MSK/E/1/J, Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.018
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffm:2006	0.008
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II.pg 1219	<4.0
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.14
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.027

  
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**For Mitra S. K. Private Limited**

  
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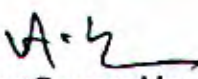
## TEST REPORT

**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

**Report No. :** BBS/216  
**Date :** 01.04.2019  
**Sample No. :** MSKGL/ED/2018-19/03/00860  
**Sample Description :** Soil  
**Date of sampling :** 12.03.2019  
**Sampling Location :** Pathargadia

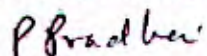
### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Pale Brown 10YR 6/3
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II ,pg 945	0.019
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffm:1995	0.66
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	0.0008
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II, pg 945	0.017
6.	Carbonate	%	TPM/MSK/E/1/X, Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25 <sup>o</sup> C	None	IS 2720 (Part 26)-1987; Rffm:2007	7.82
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffm:1995	0.38
9.	Available Chloride	%	TPM/MSK/E/1/J, Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.012
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffm:2006	<0.0012
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II,pg 1219	0.0015
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.088
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.034

  
Report Prepared by:



For Mitra S. K. Private Limited

  
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## TEST REPORT

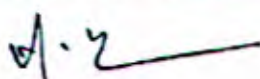
**Name & Address of the Customer :**  
**INFOSYS LIMITED**  
PLOT NO. E/4 INFOCITY,  
BHUBANESWAR - 751 024 ,

**Report No. : BBS/215**  
**Date : 01.04.2019**  
**Sample No. : MSKGL/ED/2018-19/03/00859**  
**Sample Description : Soil**  
**Date of sampling : 12.03.2019**  
**Sampling Location : Shailashree vihar**

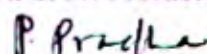
### ANALYSIS RESULT

Sl. No.	Parameters	Unit	Test Method	Result
1.	Colour	None	Lab Method	Reddish Brown 2.5 YR 4/8
2.	Alkalinity (as CaCO <sub>3</sub> )	%	TPM/MSK/E/1/U Methods of soil analysis soil science society for America part II ,pg 945	0.015
3.	Organic Matter	%	IS 2720 (Part 22)-1972; Rffm:1995	0.63
4.	Available Phosphorus (as P)	%	TPM/MSK/E/1/L, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1040-1041	<0.0003
5.	Bicarbonate	%	TPM/MSK/E/1/W, Methods of Soil Analysis (Soil Science society for America)Part II, pg 945	0.014
6.	Carbonate	%	TPM/MSK/E/1/X, Methods of Soil Analysis (soil Science society for America) Part II, pg 945	Nil
7.	pH (1:2.5) at 25 <sup>o</sup> C	None	IS 2720 (Part 26)-1987; Rffm:2007	6.35
8.	Total Carbon	%	IS 2720 (Part 22)-1972; Rffm:1995	0.36
9.	Available Chloride	%	TPM/MSK/E/1/J, Methods of soil Analysis (Soil Science society for America) Part II, Pg.947	0.015
10.	Available Sulphate	%	IS 2720 (Part 27)-1977; Rffm:2006	0.038
11.	Available Nitrate	%	TPM/MSK/E/1/S methods of Soil Analysis Soil Analysis Soil Science society for America Part II.pg 1219	<0.0004
12.	Exchangeable Calcium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1006	0.040
13.	Exchangeable Magnesium	%	TPM/MSK/E/1/F, Methods of Soil Analysis (Soil Science Society for America) Part-II, pg 1003	0.032

Report Prepared by:



For Mitra S. K. Private Limited

  
Authorized Signatory

# Mitra S. K. Private Limited



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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO E/4 INFOCITY, ORISSA  
BHUBANESWAR- 751 024

Report No. : BBS/261  
Date : 01.11.2018  
Sample No. : MSKGL/FD/2018-19/10/00103  
Sample Description : Treated Water  
Sampling Location : Treated Water  
Date of sampling : 05.10.2018

### BACTERIOLOGICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No	Test Parameters	Limit	Test Method / Specification	Result
1.	E. Coli/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected
2.	Total Coliform Organism/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected

### CHEMICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No.	Test Parameter	Requirement (Acceptable Limit)	Permissible limit in the absence of alternate Source	Test Method / Specification	Result
1.	pH ( at 26 <sup>o</sup> C)	6.5 - 8.5	No Relaxation	IS 3025 (Part 11)-1984 Rffm: 2012	6.68
2.	Calcium (as Ca) in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	3.28
3.	Fluoride (as F) in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	<0.1
4.	Colour ( Hazen Unit )	5	15	3025 (Part 4)-1983; Rffm:2002	<0.1
5.	Turbidity in (N.T.U)	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<0.1
6.	Residual free Chlorine in mg/l	0.2	1.0	IS 3025 (Part 26)- 1986 Rffm:2009	<0.1
7.	Iron (as Fe) in mg/l	0.3	No Relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05
8.	Chloride (as Cl) in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	11.99
9.	Total Dissolved Solids in mg/l	500	2000	3025 (Part 16)-1984; Rffm:2002	86.0
10.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	36.0
11.	Magnesium (as Mg) in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	1.97
12.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 21)-2013	16.43

#### Remarks: -

The above sample complies to IS 10500:2012

Report Prepared by:

For Mitra S. K. Private Limited

Authorized Signatory



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**TEST REPORT**

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO E/4 INFOCITY, ORISSA  
BHUBANESWAR- 751 024

Report No. : BBS/651  
Date : 28.11.2018  
Sample No. : MSKGL/FD/2018-19/11/00047  
Sample Description : Treated Water  
Sampling Location : Treated Water  
Date of sampling : 02.11.2018

**BACTERIOLOGICAL ANALYSIS RESULT AS PER IS: 10500 – 2012**

Sl. No	Test Parameters	Limit	Test Method / Specification	Result
1.	E. Coli/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected
2.	Total Coliform Organism/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected

**CHEMICAL ANALYSIS RESULT AS PER IS: 10500 – 2012**

Sl. No.	Test Parameter	Requirement (Acceptable Limit)	Permissible limit in the absence of alternate Source	Test Method / Specification	Result
1.	pH ( at 26 <sup>o</sup> C)	6.5 - 8.5	No Relaxation	IS 3025 (Part 11)-1984 Rffm: 2012	6.59
2.	Calcium (as Ca) in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	4.0
3.	Fluoride (as F) in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	<0.1
4.	Colour ( Hazen Unit )	5	15	3025 (Part 4)-1983; Rffm:2002	<1.0
5.	Turbidity in (N.T.U)	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<1.0
6.	Residual free Chlorine in mg/l	0.2	1.0	IS 3025 (Part 26)- 1986 Rffm:2009	<0.1
7.	Iron (as Fe) in mg/l	0.3	No Relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05
8.	Chloride (as Cl) in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	11.10
9.	Total Dissolved Solids in mg/l	500	2000	3025 (Part 16)-1984; Rffm:2002	40.0
10.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	6.18
11.	Magnesium (as Mg) in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	1.44
12.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 21)-2013	16.0

**Remarks: -**

The above sample complies to IS 10500:2012

Report Prepared by:



For Mitra S. K. Private Limited

*P. Prodhani*

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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO E/4 INFOCITY, ORISSA  
BHUBANESWAR- 751 024

Report No. : BBS/734  
Date : 01.01.2019  
Sample No. : MSKGL/FD/2018-19/12/00017  
Date of sampling : 03.12.2018  
Sample Description : TREATED WATER  
Sampling Location : Treated Water

### BACTERIOLOGICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No	Test Parameters	Limit	Test Method / Specification	Result
1.	E. Coli/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected
2.	Total Coliform Organism/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected

### CHEMICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No.	Test Parameter	Requirement (Acceptable Limit)	Permissible limit in the absence of alternate Source	Test Method / Specification	Result
1.	pH ( at 26° C)	6.5 - 8.5	No Relaxation	IS 3025 (Part 11)-1984 Rffim: 2012	7.84
2.	Sulphate (as SO <sub>4</sub> ) in mg/l	200	400	IS 3025 (Part 24)- 1986 Rffim: 2009	<1.0
3.	Calcium (as Ca) in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffim: 2009	4.8
4.	Arsenic (as As) in mg/l	0.01	0.05	APHA 22nd Edtn 2012, 3114B	<0.005
5.	Lead (as Pb) in mg/l	0.01	No Relaxation	AOAC Official Methods 19th Ed,2012, Vol 1,999.11	<0.005
6.	Zinc (as Zn) in mg/l	5.0	15.0	IS 3025 (Part 49)-1994 Rffim: 2009	<0.02
7.	Copper (as Cu) in mg/l	0.05	1.5	IS 3025 (Part 42) - 1992 Rffim: 2009	<0.02
8.	Mercury (as Hg) in mg/l	0.001	No Relaxation	IS 3025 (Part 48)-1994 Rffim: 2009	<0.0002
9.	Cadmium (as Cd) in mg/l	0.003	No Relaxation	IS 3025 (Part 41)-1992 Rffim: 2009	<0.001
10.	Mineral Oil in mg/l	0.5	No Relaxation	IS 3025 (Part 39)-1991 Rffim: 2009	<0.5
11.	Fluoride (as F) in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffim: 2013	<0.2
12.	Colour ( Hazen Unit )	5	15	3025 (Part 4)-1983; Rffim:2002	<1.0
13.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rffim:2012	Agreeable
14.	Turbidity in (N.T.U)	1	5	IS 3025 (Part 10)-1984 Rffim: 2012	<1.0
15.	Residual free Chlorine in mg/l	0.2	1.0	IS 3025 (Part 26)- 1986 Rffim:2009	<0.1
16.	Iron (as Fe) in mg/l	0.3	No Relaxation	IS 3025 (Part 53)-1988 Rffim: 2009	<0.05
17.	Chloride (as Cl) in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffim: 2009	10.09
18.	Total Dissolved Solids in mg/l	500	2000	3025 (Part 16)-1984; Rffim:2002	42.0
19.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffim: 2009	8.24
20.	Aluminium (as Al) in mg/l	0.03	0.2	IS 3025 (Part 55)- 2003	<0.01
21.	Magnesium (as Mg) in mg/l	30	100	IS 3025 (Part 46)-1994 Rffim: 2009	1.92
22.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 21)-2013	20.0
23.	Boron (as B) in mg/l	0.5	1.0	IS 13428- 2005, Annex H	<0.3
24.	Manganese (as Mn) in mg/l	0.1	0.3	IS 3025 (Part 59) - 2006 Rffim: 2012	<0.02
25.	Nitrate (as NO <sub>3</sub> ) in mg/l	45	No Relaxation	IS 3025 (Part 34)-1988 Rffim: 2009	9.87
26.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) in mg/l	0.001	0.002	IS 3025 (Part 43)- 1992; Rffim: 2003	<0.001
27.	Selenium (as Se) in mg/l	0.01	No Relaxation	IS 15303 - 2003; Rffim 2013	<0.005
28.	Total Chromium ( as Cr ) in mg/l	0.05	No Relaxation	IS 3025 (Part 52) - 2003 Rffim: 2009	<0.01
29.	Cyanide (as CN) in mg/l	0.05	No Relaxation	IS 3025 (Part 27)- 1986 Rffim: 2009	<0.01
30.	Anionic Detergents (as MBAS) in mg/l	0.2	1.0	IS 13428(Annex K)- 2005	<0.02
31.	Polynuclear Aromatic Hydrocarbons (as PAH) in mg/l	0.0001	No Relaxation	US EPA 8270C	<0.0001

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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO E/1 INFOCITY  
BHUBANESWAR- 751024

Report No. : BBS/872  
Date : 31.01.2019  
Sample No. : MSKGL/ED/2018-19/01/00530  
Sample Description : Treated Water  
Sampling Location : Treated Water  
Date of sampling : 07.01.2019

### BACTERIOLOGICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

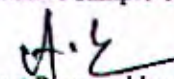
Sl. No	Test Parameters	Limit	Test Method / Specification	Result
1.	E. Coli/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected
2.	Total Coliform Organism/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected

### CHEMICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No.	Test Parameter	Requirement (Acceptable Limit)	Permissible limit in the absence of alternate Source	Test Method / Specification	Result
1.	pH ( at 26 <sup>o</sup> C)	6.5 - 8.5	No Relaxation	IS 3025 (Part 11)-1984 Rffim: 2012	7.55
2.	Calcium (as Ca) in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffim: 2009	3.1
3.	Fluoride (as F) in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffim: 2013	0.14
4.	Colour ( Hazen Unit )	5	15	3025 (Part 4)-1983; Rffim:2002	<1.0
5.	Turbidity in (N.T.U)	1	5	IS 3025 (Part 10)-1984 Rffim: 2012	1.5
6.	Residual free Chlorine in mg/l	0.2	1.0	IS 3025 (Part 26)- 1986 Rffim:2009	<0.1
7.	Iron (as Fe) in mg/l	0.3	No Relaxation	IS 3025 (Part 53)-1988 Rffim: 2009	<0.05
8.	Chloride (as Cl) in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffim: 2009	11.5
9.	Total Dissolved Solids in mg/l	500	2000	3025 (Part 16)-1984; Rffim:2002	94.0
10.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffim: 2009	76.0
11.	Magnesium (as Mg) in mg/l	30	100	IS 3025 (Part 46)-1994 Rffim: 2009	4.6
12.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 21)-2013	27.0

#### Remarks: -

The above sample complies to IS 10500:2012

  
Report Prepared by:

For Mitra S. K. Private Limited



  
Authorized Signatory

N-5/100, Ground Floor  
IRC Village, Nayapalli  
Bhubaneswar - 751015  
CIN : U51909WB1956PTC023037

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## TEST REPORT

Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO E/4 INFOCITY  
BHUBANESWAR- 751024

Report No. : BBS/021  
Date : 28.02.2019  
Sample No. : MSKGL/FD/2018-19/02/00056  
Sample Description : Treated Water  
Sampling Location : Treated Water  
Date of sampling : 01.02.2019

### BACTERIOLOGICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No	Test Parameters	Limit	Test Method / Specification	Result
1.	E. Coli/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected
2.	Total Coliform Organism/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected

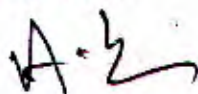
### CHEMICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No.	Test Parameter	Requirement (Acceptable Limit)	Permissible limit in the absence of alternate Source	Test Method / Specification	Result
1.	pH ( at 26° C )	6.5 - 8.5	No Relaxation	IS 3025 (Part 11)-1984 Rffm: 2012	6.02
2.	Calcium (as Ca) in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	7.84
3.	Fluoride (as F) in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	<0.2
4.	Colour ( Hazen Unit )	5	15	3025 (Part 4)-1983; Rffm:2002	<1.0
5.	Turbidity in (N.T.U)	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<1.0
6.	Residual free Chlorine in mg/l	0.2	1.0	IS 3025 (Part 26)- 1986 Rffm:2009	<0.1
7.	Iron (as Fe) in mg/l	0.3	No Relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05
8.	Chloride (as Cl) in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	12.36
9.	Total Dissolved Solids in mg/l	500	2000	3025 (Part 16)-1984; Rffm:2002	61.0
10.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	20.6
11.	Magnesium (as Mg) in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	4.70
12.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 21)-2013	39.2

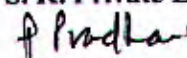
#### Remarks: -

The above sample complies to IS 10500:2012

Report Prepared by:



For Mitra S. K. Private Limited



Authorized Signatory





T : (0674) 2362916 / 2360917

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Name & Address of the Customer :  
**INFOSYS LIMITED**  
PLOT NO E/4 INFOCITY, ORISSA  
BHUBANESWAR- 751 024

## TEST REPORT

Report No. : BBS/209

Date : 01.04.2019

Sample No. : MSKGL/FD/2018-19/03/00113

Date of sampling : 09.03.2019

Sample Description : TREATED WATER

Sampling Location : Treated Water

### BACTERIOLOGICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No	Test Parameters	Limit	Test Method / Specification	Result
1.	E. Coli/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected
2.	Total Coliform Organism/100ml	Not Detectable	IS: 1622, 1981, Reaffirmed : 2003	Not Detected

### CHEMICAL ANALYSIS RESULT AS PER IS: 10500 – 2012

Sl. No.	Test Parameter	Requirement (Acceptable Limit)	Permissible limit in the absence of alternate Source	Test Method / Specification	Result
1.	pH ( at 26° C)	6.5 - 8.5	No Relaxation	IS 3025 (Part 11)-1984 Rffm: 2012	6.54
2.	Sulphate (as SO <sub>4</sub> ) in mg/l	200	400	IS 3025 (Part 24)- 1986 Rffm: 2009	12.46
3.	Calcium (as Ca) in mg/l	75	200	IS 3025 (Part 40)- 1991 Rffm: 2009	6.21
4.	Arsenic (as As) in mg/l	0.01	0.05	APHA 22nd Edtn 2012, 3114B	<0.005
5.	Lead (as Pb) in mg/l	0.01	No Relaxation	AOAC Official Methods 19th Ed.2012, Vol 1, 999.11	<0.005
6.	Zinc (as Zn) in mg/l	5.0	15.0	IS 3025 (Part 49)-1994 Rffm: 2009	<0.02
7.	Copper (as Cu) in mg/l	0.05	1.5	IS 3025 (Part 42) - 1992 Rffm: 2009	<0.02
8.	Mercury (as Hg) in mg/l	0.001	No Relaxation	IS 3025 (Part 48)-1994 Rffm: 2009	<0.0002
9.	Cadmium (as Cd) in mg/l	0.003	No Relaxation	IS 3025 (Part 41)-1992 Rffm: 2009	<0.001
10.	Mineral Oil in mg/l	0.5	No Relaxation	IS 3025 (Part 39)-1991 Rffm: 2009	<0.5
11.	Fluoride (as F) in mg/l	1.0	1.5	IS 3025 (Part 60)- 2008 Rffm: 2013	<0.2
12.	Colour ( Hazen Unit )	5	15	3025 (Part 4)-1983; Rffm:2002	<1.0
13.	Odour	Agreeable	Agreeable	IS 3025 (Part 5)-1983 Rffm:2012	Agreeable
14.	Turbidity in (N.T.U)	1	5	IS 3025 (Part 10)-1984 Rffm: 2012	<1.0
15.	Residual free Chlorine in mg/l	0.2	1.0	IS 3025 (Part 26)- 1986 Rffm:2009	<0.1
16.	Iron (as Fe) in mg/l	0.3	No Relaxation	IS 3025 (Part 53)-1988 Rffm: 2009	<0.05
17.	Chloride (as Cl) in mg/l	250	1000	IS 3025 (Part 32)-1988 Rffm: 2009	18.53
18.	Total Dissolved Solids in mg/l	500	2000	3025 (Part 16)-1984; Rffm:2002	96.0
19.	Alkalinity (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 23)- 1986 Rffm: 2009	41.2
20.	Aluminium (as Al) in mg/l	0.03	0.2	IS 3025 (Part 55)- 2003	<0.01
21.	Magnesium (as Mg) in mg/l	30	100	IS 3025 (Part 46)-1994 Rffm: 2009	2.79
22.	Total Hardness (as CaCO <sub>3</sub> ) in mg/l	200	600	IS 3025 (Part 21)-2013	27.16
23.	Boron (as B) in mg/l	0.5	1.0	IS 13428- 2005, Annex H	<0.3
24.	Manganese (as Mn) in mg/l	0.1	0.3	IS 3025 (Part 59) - 2006 Rffm: 2012	<0.02
25.	Nitrate (as NO <sub>3</sub> ) in mg/l	45	No Relaxation	IS 3025 (Part 34)-1988 Rffm: 2009	10.87
26.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH) in mg/l	0.001	0.002	IS 3025 (Part 43)- 1992; Rffm: 2003	<0.001
27.	Selenium (as Se) in mg/l	0.01	No Relaxation	IS 15303 - 2003; Rffm 2013	<0.005
28.	Total Chromium ( as Cr ) in mg/l	0.05	No Relaxation	IS 3025 (Part 52) - 2003 Rffm: 2009	<0.01
29.	Cyanide (as CN) in mg/l	0.05	No Relaxation	IS 3025 (Part 27)- 1986 Rffm: 2009	<0.01
30.	Anionic Detergents (as MBAS) in mg/l	0.2	1.0	IS 13428(Annex K)- 2005	<0.02
31.	Polynuclear Aromatic Hydrocarbons (as PAH) in mg/l	0.0001	No Relaxation	US EPA 8270C	<0.0001