



IL/BBSR/FAC/IDCO/19-20

Dt. 4th June 2019

To

The Member Secretary
State Environment Impact Assessment Authority
SEIAA (Odisha)
Qr No. 5 RF.2/1, Unit-IX
Bhubaneswar – 751 022

Sub: Compliance report for our campus at IDCO allotted plot no PB-1, NE-1 and NP-1, Info Valley -- SEZ, Bhubaneswar.

Ref: SEIAA Letter No. 188/SEIAA -33/10 Dated 25th Sept 2012. Extension 2932/ SEIAA, Dt. 6th May 2017.

Dear Sir,

With reference to above mentioned letter, we are submitting herewith the copies of the six monthly analysis report of Ambient Air, Noise monitoring, DG noise, Soil analysis, Ground water as per the compliance report pertaining to Oct'18 – Mar'19.

As per proposed expansion of campus for Infosys Limited at IDCO allotted plot no PB-1, NE-1 and NP-1, Info Valley — SEZ, Bhubaneswar, we have already completed 4 Nos Software Development Blocks, Customer Care Center and other utilities.

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

Regional Manager Facilities

Attached:

1. Compliance Report

2. Analysis reports from Oct'18 - Mar'19

CC - The Chairman, OSPCB, Bhubaneswar Chief General Manager (Env.) IDCO, IDCO, Bhubaneswar Mr. Saswat Patnaik, Expert (PMU), IDCO, Bhubaneswar

INFOSYS LIMITED
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Info valley, IDCO IT/ITES SEZ
Vill-Gaudakashipur & Arisal
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	Conditions	Compliance	
	Provision shall be made for the housing of construction laborers within the site with all	available for construction workers both within	
	necessary infrastructure and facilities such as fuel for cooking, mobile, toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Site and Labour Colony.	
i	A first Aid room will be provided in the	First aid facility and dispensary is available	
	project both during construction and	construction office area. First aid trained personn	
	operation of the project.	were available.	
ii	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.	Excavated soil during construction is being used filling up low area and for landscape developme within the campus	
V	Disposal of muck during construction phrase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for the general safety and health aspects of people, only in approved sites with the approval of competent authority.	Yes, the management of construction debris will done in such a manner so as not to cause any harm humans nor environment.	
/	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy materials and other toxic contaminants.	Periodical checks are in place during construction phase.	
i	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach in to the ground water	During construction, it is ensured that the hazardo waste were kept separately in a bin and dispose safely to prevent contamination of ground water.	
ii	Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the OPCB.	The hazardous waste are accumulated and stored a designed bin and will be disposed as per that applicable norms.	

viii	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules,1986 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. Necessary approval is obtained from Electrical Inspector before commissioning.
ix	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.	Since the DG is a standby to the power supply, we are not storing diesel at Site. The construction power is available through a 250KW transformer installed on Site.
x	Vehicles used for bringing construction materials to the site should be in good conditions and should have a pollution check certificate and conform to applicable air and noise emission standards and should be operated only during non-peak hours	We are checking the fitness certificate issued by the Competent Authority before allowing any vehicle inside the construction Site. The pollution check certificates are also verified.
xi	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. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to confirm to the stipulated standards by CPCB/ OPCB	We are following CPCB norms to reduce air and noise pollution at the site.
xii	Fly ash should be be used as building material in the construction as per the provisions of Fly ash Notification of Sept 1999 and amended as on 27th August 2003, The above condition is applicable as the project site is located within the 100 Km of thermal Power Stations.	All the blocks used for construction of walls are of fly ash mix. We are blending 25% of fly ash with Cement to produce concrete in our RMC plant.
xiii	Ready mixed concrete must be used in building construction	Yes, same used for all construction purposes
xiv	Storm water control and it's reuse should be as per CGWB and BIS standards for various applications.	Yes, complied.

XV	Water demand during construction should be optimized by adopting best practices without compromising quality.	Yes, same is followed at the time of construction.
xvi	Permission to draw ground water shall be obtained from the competent authority prior to construction / Operation of the project.	We are getting construction water from IDCO.
xvii	Separation of grey and black water should be done by the use of dual plumbing line. Grey and black water should be treated separately.	Project under construction and it Will be done.
xvii i	Fixtures of showers, toilet flushing and drinking water should be of low flow type either by by use of aerators or pressure reducing devices or sensor based control.	Water saving taps through Pressure reducing valves, Sensor controlled urinals and Use of flow restrictors are provided
xix	Use of glass may be reduced up to 40% of total outer wall area to reduce the energy consumption and load on air conditioning. If necessary, high quality double glass with special reflective coating may be used in the windows.	Low emissivity glass is used & Common areas will not be air conditioned but be naturally ventilated
XX	Roof should meet the prescribed requirement as per energy conservation building code.	Yes, followed
xxi	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipment's, etc. As per National Building Code of India, 2005 including protection measures from lightening etc.	Yes, followed
xxii	Regular Supervision of the above and other measures for monitoring should be in place although the construction phase to avoid disturbance to the surroundings.	Ok

II. Operation Phase

	Conditions	Compliance
i.	The installation of the Sewage Treatment Plant(STP) should be certified by a competent agency and a report in this regard should be submitted to the SEIAA, Orissa before the project is commissioned for operation. Treated effluent from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards OSPCB. Necessary measures	All the waste water is being treated at Sewage treatment plant having capacity of 140 KLD. The total quantity of treated water is being used for landscaping purpose. The STP plant is placed away from operational area and the treatment process is membrane based.
	should be taken to mitigate the odour problem from STP.	Water test report of STP attached.
ii	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/ inert solid waste should be disposed off to the approved sites for land filling after recovering recycle material.	All the solid waste generated like Paper, plastic, polythene etc. are segregated in different colored bins before disposing to authorized vendors or recycler.
iii	Diesel power generating sets proposed as source of back up power for lifts, elevators and common area illumination during operation phase should be a enclosed type and conform to Environment Protection (EP) rules 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel should be used. The location of the DG sets may be decided in consultation with OSPCB.	DG's are placed in separate block and are adhered to all norms.
iv	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Periodical monitoring is in place and report attached.
V	The project proponent clarified that part of existing project area is jungle kisam land which will be developed as green belt. If the status of land is forest land, then Forest clearance from MOEF, Govt. of India is	NA.

		required. Development of green belt in the proposed jungle kisam land with full cost details etc. to be submitted to the MOEF. Govt. of India foe seeking forest clearance under Forest conservation Act, 1980.	
	vi	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during monsoon period.	Available.
	vii	Rain water harvesting for roof run off and surface run off, as plan submitted should be implemented. Before recharging the surface run off, pre treatment must be done to remove suspended matter, oil and grease. The bore well for rain water recharging should be kept at least 5 mts above the highest groundwater table.	In place.
	viii	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	NA. we are not drawing any ground water inside the campus.
	ix	Traffic congestion near the entry and exist points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be used for this purpose.	Proper entry / exit gates are in place. Parking is provided inside the campus for all vehicles.
	X	A Report on the energy conservation measures confirming to energy conservation norms finalized by Bureau of energy efficiency should be prepared incorporating details about building materials & technology. R & U Factors etc and submit to the SEIAA, Odisha in three months time.	Is included in the report.
a	xi	Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the	We are using LED lights in all operational areas. The building management system (BMS) helps to conserve power efficiently.

	prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the maximum extent possible.	
xii	The building blocks should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Complied.
xiii	The proponent shall furnish detailed	Complied.
	information on domestic E-waste which includes obsolete personal computers(PC) etc and dispose the e-waste as per CPCB, Delhi/MOEF, Govt. of India guidelines. A details proposal to this effect shall be submitted to the authority.	
xiv	The funds earmarked for the environment protection measures shall be judiciously utilized. Under no circumstances the funds shall be diverted for other purposes. Year wise expenditure for this fund should be reported to the SEIAA, Odisha.	This is being monitored centrally at our corporate.
XV	The above mentioned stipulated conditions shall be compiled in time bound matter. Failure to comply with any of the conditions mentioned above may result in withdrawal of this environmental clearance and attract action under the provisions of Environment Protection (EP) Act, 1986.	Noted for compliance.



(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008

ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/19/P-338

Date: 02/02/19

AMBIENT AIR QUALITY MONITORING REPORT FOR JAN -2019

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

: Monitoring Station ID:- AAQMS-1 (Near Chiller)

3. Monitoring Date

16.01.2019

4. Date of Analysis

17.01.2019 to 24.01.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	55.8
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	32.6
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	7.5
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	15.6
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	5.9
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.56
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	μg/m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	< 0.001
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	μg/m³	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NOx < 9 μg/m³, O₃< 4μg/m³, CO< 0.1 mg/m³ NH₃< 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

For Visionick Consultancy Services Pvt. Ltd.



(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Comment Comments

Ref. Envlab/19/R-339

AMBIENT AIR QUALITY MONITORING REPORT FOR JAN -2019

1. ame of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-2 (Near SOBHA Canteen)

8. Monitoring Date

: 16.01.2019

9. Date of Analysis

: 17.01.2019 to 24.01.2019

10. Date of Validity of Calibration

23.05.2019

3. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

4. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	58.9
Particulate Matter (size less than 2.5μm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	36.5
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	7.9
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	15.6
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	7.8
Carbon Monoxide as CO	mg/m ³	NDIR Spectroscopy	02	0.36
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<19.0
Benzene as C ₆ H ₆	μg / m ³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4μg/m³, NO_x < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

For Visiontek Consultation Services Pvt. Ltd.



(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 QUSAS 18001 : 2007

Ref.: Envlab/19/R-340

Date: 02/02/19

AMBIENT AIR QUALITY MONITORING REPORT FOR JAN -2019

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-3 (Near SOBHA Main Gate)

3. Monitoring Date

16.01.2019

4. Date of Analysis

17.01.2019 to 24.01.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10 µm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	56.8
Particulate Matter (size less than	$\mu g / m^3$	Gravimetric	60	27.6
2.5μm) or PM _{2.5} Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	5.5
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	16.5
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	8.9
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.36
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	19.8
Benzene as C ₆ H ₆	μg/m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
	na/m³	AAS method after sampling	06	<0.001

Arsenic as As

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³ Bgh O 002 mg/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³ As<0.001 ng/m³

For Visioniels Consultancy Services Pvt. Ltd.



(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/19/R-34/

Date: 02/02/19

AMBIENT AIR QUALITY MONITORING REPORT FOR JAN -2019

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-4 (Near Water Project)

3. Monitoring Date

17.01.2019

4. Date of Analysis

18.01.2019 to 24.01.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	58.9
Particulate Matter (size less than 2.5μm) or PM _{2.5}	μg/m³	Gravimetric	60	28.6
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	7.9
Oxides of Nitrogen as NO _X	μg / m ³	Modified Jacob & Hochheiser (Na-Arsenite)	80	9.7
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	8.6
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.34
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<20.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	μg / m ³	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³
As < 0.001 ng/m³

For Visionie Consultancy Services Pvt. Ltd.



(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004

OHSAS 18001 : 2007

Ref.: Envlab/19/R - 34/2

AMBIENT AIR QUALITY MONITORING REPORT FOR JAN -2019

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-5 (Near Last Boundary Wall-South)

3. Monitoring Date

17.01.2019

4. Date of Analysis

18.01.2019 to 24.01.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg/m³	Gravimetric	100	56.9
Particulate Matter (size less than	$\mu g / m^3$	Gravimetric	60	23.6
2.5µm) or PM _{2.5} Sulphur Dioxide as SO ₂	μg / m ³	Improved West and Gaeke method	80	9.8
Oxides of Nitrogen as NO _X	μg / m ³	Modified Jacob & Hochheiser (Na-Arsenite)	80	18.6
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	9.8
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.36
Ammonia as NH₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	μg/m³	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: $SO_2 < 4\mu g/m^3$, $NOx < 9 \mu g/m^3$, $O_3 < 4\mu g/m^3$, $CO < 0.1 \text{ mg/m}^3 \text{ NH}_3 < 20\mu g/m^3$, $C_6H_6 < 0.001 \mu g/m^3$, $BaP < 0.002 \text{ ng/m}^3$, $Ni < 0.01 \text{ ng/m}^3$, $Pb < 0.001 \mu g/m^3$, $As < 0.001 \text{ ng/m}^3$

For Visiontek Consultancy Services Pvt. Ltd.



(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/19/R-343

Date: 02/02/10

AMBIENT AIR QUALITY MONITORING REPORT FOR JAN -2019

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-6 (Near Main Gate)

3. Monitoring Date

17.01.2019

4. Date of Analysis

18.01.2019 to 24.01.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	58.9
Particulate Matter (size less than 2.5μm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	26.7
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	7.9
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	16.5
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	4.8
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.46
Ammonia as NH ₃	μg / m ³	Indo phenol blue method	400	16.5
Benzene as C ₆ H ₆	μg / m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NO_X < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, As < 0.001 ng/m³

For Visiontek Consultancy Services Pvt. Ltd.



(An Enviro-Engineering Consulting Cell)



ISO 14001: 2004 OHSAS 18001: 2007

Ref.: Envlab/19/12-346

Date: 02/02/19

INDOOR AIR QUALITY MONITORING REPORT FOR JAN-2019

1. Name of Industry M/s INFOSYS Ltd; Khurda.

2. Sampling Location Monitoring Station ID:- AAQMS-1 (SDB-B Ground Floor)

Monitoring Date 3.

17.01.2019

4. Date of Analysis 18.01.2019 to 24.01.2019

Date of Validity of Calibration 5.

23.05.2019

Monitoring Instruments 6.

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by 7.

VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Testing method	Analysis Results
Temperature	°C		34.0
Humidity	%		62.0
Particulate Matter as PM	μg / m³	Gravimetric	10.2
Sulphur Dioxide as SO ₂	μg/m³	Improved West & Geake Method	5.2
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na –Arsenite)	10.6
Microbial Count (Fungi)	CFU/m ³	Total Viable Count Method	ND
Microbial Count (Bacteria)	CFU/m ³	Total Viable Count Method	ND

For Visiontek Consum.

ervices Pvt.Ltd.



(An Enviro Engineering Consulting Cell)



ISO 14001: 2004

OHSAS 18001: 2007

Ref.: Envlab/19/R-347

Date: 02/02/19

INDOOR AIR QUALITY MONITORING REPORT FOR JAN-2019

Name of Industry 1.

M/s INFOSYS Ltd; Khurda.

Sampling Location 2.

Monitoring Station ID:- AAQMS-2 (CCC Building 1st Floor)

Monitoring Date 3.

17.01.2019

Date of Analysis 4.

18.01.2019 to 24.01.2019

23.05.2019

Date of Validity of Calibration Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

6. Sample collected by VCSPL Representative in presence of INFOSYS Representative.

Unit	Testing method	Analysis Results
		32.0
"C		
%	<u>-</u>	59.0
ug/m³	Gravimetric	9.8
	Improved West & Geake Method	4.6
_+	Modified Jacob & Hochheiser	9.8
		ND
		4.0
	Unit C μg / m³ μg / m³ μg / m³ CFU/m³	⁰ C μg / m³ Gravimetric μg / m³ Improved West & Geake Method μg / m³ Modified Jacob & Hochheiser (Na –Arsenite) CFU/m³ Total Viable Count Method

ervices Pvt.Ltd. For Visiontek



(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001: 2007

Date: 02/02/19

Ref.: Envlab/19/R-348

INDOOR AIR QUALITY MONITORING REPORT FOR JAN-2019

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-3 (Food Court)

3. Monitoring Date

18.01.2019

4. Date of Analysis

19.01.2019 to 25.01.2019

5. Date of Validity of Calibration

23.05.2019

; 6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Testing method	
Temperature	°C	resung method	Analysis Results
Humidity			28.0
	%		64.0
Particulate Matter as PM	μg/m³	Gravimetric	
Sulphur Dioxide as SO ₂	μg/m³	+	10.2
Ovides - Carr	P87 III	Improved West & Geake Method	<4.0
Oxides of Nitrogen as NO _x	μg/m³	Modified Jacob & Hochheiser (Na –Arsenite)	11.6
Microbial Count (Fungi)	CFU/m ³	Total Viable Count Method	
Microbial Count (Bacteria)	CELLY 3	50.39 (1963)	ND
	CFU/m ³	Total Viable Count Method	6.1





(An Enviro Engineering Consulting Cell)



ISO 14001: 2004 OHSAS 18001: 2007

Date: 02/02/19

Ref.: Envlab/19/R350

SLUDGE SAMPLE ANALYSIS REPORT

Name of Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location

S-1: Sludge Inlet.

Monitoring Date

16.01.2019

Date of Analysis

17.01.2019 to 24.01.2019

Date of Validity of Calibration

23.05.2019

Sample collected by

VCSPL Representative in presence of INFOSYS Representative.

Sl.No	Name of the Parameters Test Method		Govt.Of India , MoEF CC Leachable concentration limits (TCLP) or soluble Threshold Limit Concentration (STLC), Class A, 2016	Unit	Analysis Result
- A		TCLP with Zero Head	Class A, 2010		S1
0.∯. ∀	pH Value	Extraction Followed by Analysis in pH Meter		%	7.96
02.	Moisture Content	Gravimetric			
ś		TCLP with Zero Head		%	48.0
03.	Electrical Conductivity	Extraction Followed by Analysis in Conductivity Meter		μmhos/cm	3819.26
04.	Nitrogen as N	Total Kjeldahl Nitrogen			
		TCLP with Zero Head		%	8.8
05.	Phosphorus as P	Extraction Followed by Analysis in UV-Vis Spectrophotometer		%	ND
06.	Potassium as K	TCLP with Zero Head Extraction Followed by Analysis in Flame photometer		%	1.89
07.	Lead as Pb	TCLP with Zero Head Extraction Followed by Analysis in Flame photometer	5.0 mg/l (Class A5)	mg/kg	1.28
08.	Hexavalent Chromium as Cr ⁶⁺	TCLP with Zero Head Extraction Followed by Analysis in UV-Vis Spectrophotometer	5.0 mg/l (Class A4)	%	0.026
	Copper as Cu		25.0		
	Iron as Fe	TCLP with Zero Head	25.0 mg/l (Class A66)	mg/kg	2.2
	Zinc as Zn	Extraction Followed by	250.0 4.00	mg/kg	26.0
	Manganese as Mn	Analysis in Atomic	250.0 mg/l (Class A71)	mg/kg	10.8
	Cadmium as Cd	Absorption Spectroscopy	10.0 mg/l (Class A6)	mg/kg	0.024
	Arsenic as As	ру	1.0 mg/l (Class A3)	mg/kg	0.42
5.	Oil Contamination	Gravimetric	5.0 mg/l (Class AV) CONS	mg/kg	ND
		STATE OF THE PARTY	- 3	7%	3.2

For Visiontek

Services Pvt.Ltd.



(An Enviro Engineering Consulting Cell)



ISO 9001 : 200

ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/19/R-351

Date: 02/02/19

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

16.01.2019

A.	The state of the s				
1.	E-mail Colliforted to			DG Set-I	
2.	Emission due to		•	Burning of Diesel	
3.	Material of Construction of stack			MS	
4.	Shape of stack		•	Circular	
5.	Whether stack is provided with perm	nanent platform & ladder		Yes	
6.	Generator capacity	p		1500 KVA	
				IJUU KVA	
B.	Physical Characteristics of Stack:				
1.	Height of the stack from ground lev	vel .		21 6	
2.	Diameter of the stack at bottom		:	31.5 mtrs.	
3.	Diameter of the stack at sampling po	oint ·	:	0.365 mtrs.	
	Y			0.365 mtrs.	
C.	Analysis / Characteristic of Stack:			··	
1.	Fuel Used			TTOY	
2.	Fuel consumption			HSD	
D.		60 51	:	100-150Lit/Hr	
1.	Results of Sampling & Analysis of Temperature of emission (°C)	Gaseous Emission		Result	CPCB Limit
2.	Barometric pressure (mm of Hg)		:	232.8	
3.	Velocity of gas (m/sec.)		3	743	
4.	Quantity of gas flow (Nm ³ /hr.)			13.6	
5.	Concentration of Conherman 1.	N = 3 >		5465.2	
6.	Concentration of Carbon monoxide (mg/Nm [°])	•	23.6	150
7.	Concentration of Sulphur dioxide (mg	g/Nm [*])	:	33.4	130
8.	Concentration of Nitrogen dioxide (m	ng/Nm³)	i i	42.5	710
9.	Concentration of particulate Matters ((mg/Nm ²)	:	25.6	
	Concentration of Non Methane Hydro	ocarbon (mg/Nm²)		4.8	75
E.	Pollution control Device		<u> </u>		
	Details of pollution control				
	Device attached with the stack			Nil	
F	Remarks: PM Concentration is within	n the CPCB norms	•	. 111	
en .	Equipment Detail	or or norms.			
	1.	Equipment Name	· Stool So	mnlos	
	2.		: Stack Sar : VSS 1	mpier	
	3.	Make		#1. a	
	4.	Calibration Upto	: Vayuboo		
F 10	- 11	сыполион орю	: 03.06.20	19	

For Visioniek Consultancy Services Pvt. Ltd.



LANGE OMSON

(An Enviro Engineering Consulting Cell)

ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/19/R-352

Date: 02/02/19

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

16.01.2019

A.	General Information about Stack	: DG Set-II	
1.	Stack Connected to	Burning of Diesel	
2.	Emission due to	: MS	
3.	Material of Construction of stack		1
4.	Shape of stack	: Circular	,
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	Generator capacity	: 1500 KVA	
		ga e	
B.	Physical Characteristics of Stack:		
1.	Height of the stack from ground level	: 31.5 mtrs.	
2.	, Diameter of the stack at bottom	: 0.365 mtrs.	
3.	Diameter of the stack at sampling point	0.365 mtrs.	
3.	5 · · · · · · · · · · · · · · · · · · ·		
3	Analysis / Characteristic of Stack:		
Ċ.	Fuel Used	: HSD	
;2.	Fuel consumption	: 100-150Lit/Hr	
		Result	CPCB Limit
<u>D</u> .	Temperature of emission (°C)	: $\overline{298.0}$	
1.		: 738.2	
2.	Barometric pressure (mm of Hg)		
3.	Velocity of gas (m/sec.)	: 15.6	
4.	Quantity of gas flow (Nm³/hr.)	: 4563.5	150
5.		: 21.5	150
6.		: 39.7	510
7.	Concentration of Nitrogen dioxide (mg/Nm³)	: 45.6	710
8.	Concentration of particulate Matters (mg/Nm³)	: 27.8	75
9.	Concentration of Non Methane Hydrocarbon (mg/Nm³)	: 4.5	
E	Pollution control Device		
	Details of pollution control		
	Device attached with the stack	: Nil	
F	The state of the s		
F	Equipment Detail	8	8
	1. Equipment Name	: Stack Sampler	
13	2. Model No	: VSS 1	
	3. Make	: Vayubodhan	
	4. Calibration Upto	: 03.06.2019	
1	4. Cantitation Opio	1 00:00:20	

For Visioniek Consultancy Services Pvt. Li



(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008 ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/19/R-353

Date: 02/02/19

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

16.01.2019

-					
<u>A.</u>	General Information about Stack				
1. 2.	Stack Connected to		:	DG Set-III	
	Emission due to			Burning of Diesel	
3.	Material of Construction of stack		;	MS	
4.	Shape of stack		:	Circular	
5.	Whether stack is provided with perma	anent platform & ladder	:	No	
6.	Generator capacity		:	92.96 KVA	
<u>B.</u>	Physical Characteristics of Stack:				
1.	Height of the stack from ground leve	el	:	3.5 mtrs.	
2. /				0.152 mtrs.	
3.	Diameter of the stack at sampling poi	nt	•	0.152 mtrs.	
ؠؙڗؙ	<u> </u>			0.152 mus.	
<u>Č.</u>	Analysis / Characteristic of Stack:		· · · · · · · · · · · · · · · · · · ·		-
1.	Fuel Used			HSD	
2.	Fuel consumption		:	25 Lit/Hr	
<u>D.</u>	Results of Sampling & Analysis of	Gaseous Emission		Result	CPCB Limit
1.	Temperature of emission (°C)		:	275.6	
2.	Barometric pressure (mm of Hg)			713	
3.	Velocity of gas (m/sec.)		<u>.</u>	16.5	
4.	Quantity of gas flow (Nm ³ /hr.)			1135.6	
5.	Concentration of Carbon monoxide (r	ng/Nm³)	:	24.5	150
6.	Concentration of Sulphur dioxide (mg	/Nm³)	•	33.5	150
7.	Concentration of Nitrogen dioxide (m	g/Nm³)	:	36.5	710
	Concentration of particulate Matters (•		710
9.	Concentration of Non Methane Hydro	carbon (mg/Nm ³)	•	39.8	75
	Pollution control Device	, ,	<u> </u>	3.6	
	Details of pollution control				
	Device attached with the stack		-	. ***	
	Remarks: PM Concentration is within	the CDCD name	1;	Vil	
	Equipment Detail	THE CPCB HOTHIS.	· · · · · · · · · · · · · · · · · · ·	•	
	1.	Equipment Name	0, 10		
	1. 2.	Equipment Name Model No	: Stack Sar	npier	
			: VSS 1		
	3.	Make	: Vayuboo		
	4.	Calibration Upto	: 03.06.20	19 EK CONO	

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Affincy Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

g: Emplab 148/R-9182

Date: 08/11/18

AMBIENT AIR QUALITY MONITORING REPORT FOR OCT-2018

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-1 (Near Chiller)

3. Monitoring Date

15.10.2018

4. Date of Analysis

16.10.2018 TO 23.10.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	μg/m³	Gravimetric	100	52.3
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	25.8
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	6.8
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	12.6
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	4.7
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.31
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m ³	Solvent extraction followed by Gas Chromatography analysis	01	<0.001
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

For Visiontek Consultancy Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008

ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enwall 18/18-9183

Date: 08/11/18

AMBIENT AIR QUALITY MONITORING REPORT FOR OCT-2018

1. ame of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-2 (Near SOBHA Canteen)

8. Monitoring Date

15.10.2018

9. Date of Analysis

16.10.2018 TO 23.10.2018

10. Date of Validity of Calibration

23.05.2019

3. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

4. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	49.8
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg/m³	Gravimetric	60	27.3
Sulphur Dioxide as SO ₂	μg / m ³	Improved West and Gaeke method	80	6.1
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	12.3
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	5.9
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.14
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<19.0
Benzene as C ₆ H ₆	μg / m³	Absorption & Desorption followed by GC analysis	05	< 0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³



For Visiontek Consultancy Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008

ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enufab/18/R-9/84

Date: 03/11/18

AMBIENT AIR QUALITY MONITORING REPORT FOR OCT-2018

Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-3 (Near SOBHA Main Gate)

3. Monitoring Date

: 16.10.2018

4. Date of Analysis

17.10.2018 TO 23.10.2018

5. Date of Validity of Calibration

23,05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg / m ³	Gravimetric	100	51.8
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg/m³	Gravimetric	60	18.5
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	4.6
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	15.7
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	7.4
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.19
Ammonia as NH ₃	μg / m ³	Indo phenol blue method	400	16.5
Benzene as C ₆ H ₆	μg / m ³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	< 0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, As < 0.001 ng/m³

For Visiontek Cons

rvices Pvt. Ltd.

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(An Enviro Engineering Consulting Cell)



ISO 9001 : 2000

ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Englab/18/18-9185

Date: 08/11/18

AMBIENT AIR QUALITY MONITORING REPORT FOR OCT-2018

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-4 (Near Water Project)

3. Monitoring Date

: 16.10.2018

4. Date of Analysis

17.10.2018 TO 23.10.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	49.8
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	23.5
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	6.7
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	8.5
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	6.9
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.12
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<20.0
Benzene as C ₆ H ₆	μg / m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL-Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, As < 0.001 ng/m³

For Visiontek Con

y Services Pvt. Ltd.

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(An Enviro Engineering Consulting Cell)



ISO 14001: 2004

OHSAS 18001: 2007

Date: 03/11/18

Enufab [18 [R - 9186

AMBIENT AIR QUALITY MONITORING REPORT FOR OCT-2018

Name of Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location

Monitoring Station ID:- AAQMS-5 (Near Last Boundary Wall-South)

Monitoring Date

17.10.2018

Date of Analysis

18.10.2018 TO 24.10.2018

Date of Validity of Calibration

23.05.2019

Monitoring Instruments 6.

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg/m³	Gravimetric	100	51.3
Particulate Matter (size less than 2.5µm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	20.3
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	8.3
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	12.8
Ozone as O ₃	μg / m ³	Chemical Method	100	8.8
Carbon Monoxide as CO	mg/m ³	NDIR Spectroscopy	02	0.16
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$-\mu g/m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: $SO_2 < 4\mu g/m^3$, $NO_X < 9 \mu g/m^3$, $O_3 < 4\mu g/m^3$, $CO < 0.1 mg/m^3$ $NH_3 < 20\mu g/m^3$, $C_6H_6 < 0.001 \mu g/m^3$, $BaP < 0.002 ng/m^3$, $Ni < 0.01 ng/m^3$, $Pb < 0.001 \mu g/m^3$, $As < 0.001 ng/m^3$

For Visiontek Con

vices Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enerfold/18/R-9/87

Date: 03[11/18

AMBIENT AIR QUALITY MONITORING REPORT FOR OCT-2018

. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-6 (Near Main Gate)

3. Monitoring Date

17.10.2018

4. Date of Analysis

18.10.2018 TO 24.10.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	52.1
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg/m³	Gravimetric	60	21.4
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	7.3
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	13.5
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	7.2
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.14
Ammonia as NH ₃	μg / m ³	Indo phenol blue method	400	18.6
Benzene as C ₆ H ₆	μg/m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂< 4μg/m³, NO_X < 9 μg/m³, O₃< 4μg/m³, CO< 0.1 mg/m³ NH₃< 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

For Visiontek C

usultancy Services Pvt. Ltd.



(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008

ISO 14001 : 2004 OHSAS 18001 : 2007

Date: 08/11/18

Ref.: Envlab/18/R-9/191

OPT OF FIJIE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

16.10.2018

A. 1. 2.	General Information about Stack Stack Connected to Emission due to	: DG Set-I Burning of Diesel
3. 4.	Material of Construction of stack Shape of stack Whether stack is provided with permanent platform & ladder	: MS : Circular : Yes
5. 6.	Generator capacity	: 1500 KVA
B. 1.; 2. 3.	Physical Characteristics of Stack: Height of the stack from ground level Diameter of the stack at bottom Diameter of the stack at sampling point	: 31.5 mtrs. : 0.365 mtrs. 0.365 mtrs.
C. 1. 2.	Analysis / Characteristic of Stack: Fuel Used Fuel consumption	: HSD : 100-150Lit/Hr
D. 1.	Results of Sampling & Analysis of Gaseous Emission Temperature of emission (°C)	Result CPCB Limit : 220.0
2. 3.	Barometric pressure (mm of Hg) Velocity of gas (m/sec.)	: 754 : 12.6
4. 5.	Quantity of gas flow (Nm³/hr.) Concentration of Carbon monoxide (mg/Nm³)	: 5231.0 : 26.3
6. 7.	Concentration of Sulphur dioxide (mg/Nm²) Concentration of Nitrogen dioxide (mg/Nm³)	: 30.1 : 43.5 710
8. 9.	Concentration of particulate Matters (mg/Nm³) Concentration of Non Methane Hydrocarbon (mg/Nm³)	: 25.9 75 : 3.2
E.	Details of pollution control Device attached with the stack	: Nil
F.		
	Equipment Detail 1. Equipment Name 2. Model No 3. Make 4. Calibration Upto	: Stack Sampler : VSS 1 : Vayubodhan : 03.06.2019

For Visiontek Consultanty Services The



(An Enviro Engineering Consulting Cell)



ISO 14001: 2004 OHSAS 18001: 2007

Enufablist R-9192 ANALYSIS REPORT OF FLUE GAS

Date: Colules

1. Name of the Industry

M/s. INFOSYS Ltd;

Address

Khurda.

3. Date of Sampling

16.10.2018

<u>A</u>	The state of the s			
1.	STATE COMMODICA TO	:	DG Set-II	
2.		-	Burning of Diesel	
3.	Material of Construction of stack		MS	
4.	Shape of stack	·	Circular	
5.	Whether stack is provided with permanent platform & ladder		Yes	
6.	Generator capacity	:	1500 KVA	
В.				-
1.	Height of the stack from ground level		31.5 mtrs.	
2.	Diameter of the stack at bottom		0.365 mtrs.	
3.	Diameter of the stack at sampling point		0.365 mtrs.	
<u>C.</u>	Analysis / Characteristic of Stack:			
$-1.\dot{\aleph}$				
2,	Fuel consumption	:	HSD	
		:	100-150Lit/Hr	
<u>D.</u> 1.	Results of Sampling & Analysis of Gaseous Emission		Result	CPCB Limit
2.	Temperature of emission (°C)	:	260.0	
3.	Barometric pressure (mm of Hg) Velocity of gas (m/sec.)	!	723	
4.		:	12.09	
5.	Quantity of gas flow (Nm³/hr.)		4513.0	
6.	Concentration of Carbon monoxide (mg/Nm³)		20.2	150
7.	Concentration of Sulphur dioxide (mg/Nm³)	•	36.3	150
8.	Concentration of Nitrogen dioxide (mg/Nm ³)	:	40.4	710
9.	Concentration of particulate Matters (mg/Nm³)	:	23.1	75
	Concentration of Non Methane Hydrocarbon (mg/Nm³)		4.0	75
<u>E.</u>	Pollution control Device	E 10		
	Details of pollution control			
-	Device attached with the stack	: 1	Vil	
<u>F.</u>	The Controlled is within the CFCB norms.	V N = (2)	1.0	
	Equipment Detail		K A .	u s
	1. Equipment Name	: Stack Sar	npler	
	2. Model No	: VSS 1	100 5 20	
	3. Make	: Vayubod	lhan	
	4. Calibration Upto	: 03.06.20		

For Visiontek Con



(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008

ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.:

Enufab [18/R-9/93

Date: 03/11/18

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

16.10.2018

A	General Information about Stack		
<u>A.</u>	Stack Connected to	: DG Set-III	
2.	Emission due to	Burning of Diesel	
3.	Material of Construction of stack	: MS	
<i>3</i> . 4.	Shape of stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: No	
5. 6.	Generator capacity	: 92.96 KVA	
υ.	Generator capacity	. 92.90 KVA	
<u>B.</u>	Physical Characteristics of Stack:		
1.	Height of the stack from ground level	: 3.5 mtrs.	
2.	Diameter of the stack at bottom	: 0.152 mtrs.	
3.5	Diameter of the stack at sampling point	0.152 mtrs.	
, Wi			
C.	Analysis / Characteristic of Stack:	<u> </u>	
,1.	Fuel Used	; HSD	
2.	Fuel consumption	: 25 Lit/Hr	
D.	Results of Sampling & Analysis of Gaseous Emission	Result	CPCB Limit
1.	Temperature of emission (°C)	: 240.0	
2.	Barometric pressure (mm of Hg)	: 742	
3.	Velocity of gas (m/sec.)	: 15.8	
4.	Quantity of gas flow (Nm ³ /hr.)	: 1097.2	777
5.	Concentration of Carbon monoxide (mg/Nm ³)	: 21.5	150
6.	Concentration of Sulphur dioxide (mg/Nm³)	: 36.4	
7.	Concentration of Nitrogen dioxide (mg/Nm ³)	: 35.1	710
8.	Concentration of particulate Matters (mg/Nm ³)	: 30.9	75
· 9.	Concentration of Non Methane Hydrocarbon (mg/Nm³)	: 3.2	
E.	Pollution control Device	, J.2	
	Details of pollution control		
	Device attached with the stack	: Nil	
F.	Remarks: PM Concentration is within the CPCB norms.		
	Equipment Detail		
	1. Equipment Name	: Stack Sampler	
	2. Model No	: VSS 1	
	3. Make	: Vayubodhan	
	4. Calibration Upto	: 03.06.2019	34

For Visiontes Consultancy Services Pvt. Lu



(An Enviro Engineering Consulting Cell)



ISO 14001 : 200 OHSAS 18001 : 200

Date: 03/11/18

Enufabli8/18/18/19195

WATER QUALITY ANALYSIS REPORT FOR OCT-2018

1. Name of the Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location

W-2: After Commissioning of MBR

Date of Sampling

16.10.2018

4. Date of Analysis Date of validity of Calibration

17.10.2018 TO 24.10.2018

Sample Collected By

23.05.2019

VCSPL representative in presence of INFOSYS representative

SI. N	Parameter	Unit	Analysis Results
1	TSS		W-2
2	Turbidity	mg/L	2.8
3	BOD	NTU	0.25
4	COD	mg/L	3.5
5	Total Ammonia as N	mg/L	9.56
6	Total Nitrogen	mg/L	0.16
7	TP	mg/L	1.58
8	O&G	mg/L	0.28
9		mg/L	1.45
10	Total Alkalinity as CaCO ₃ Silica as SiO ₂	mg/L	80.5
11		mg/L	0.012
12	Total Dissolved Solids	mg/L	278.8
13	Total Hardness	-	7.32
14	Total Coliform	mg/L	135.8
15		MPN/100 ml	2.2*10 ²
	Faecal Coliform	MPN/100 ml	$\frac{0.19*10^2}{0.19*10^2}$

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(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Empab/18/R-979a

Date: 08/12/18

AMBIENT AIR QUALITY MONITORING REPORT FOR NOV-2018

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-1 (Near Chiller)

3. Monitoring Date

16.11.2018

4. Date of Analysis

17.11.2018 TO 22.11.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg/m³	Gravimetric	100	50.6
Particulate Matter (size less than 2,5μm) or PM _{2.5}	μg/m ³	Gravimetric	60	26.7
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	6.9
Oxides of Nitrogen as NO _X	μg / m ³	Modified Jacob & Hochheiser (Na-Arsenite)	80	13.5
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	4.9
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.39
Ammonia as NH ₃	μg / m ³	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	μg/m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.001
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4µg/m³, NO₃ < 9 µg/m³, O₃ < 4µg/m³, CO< 0.1 mg/m³ NH₃ < 20µg/m³, C₆H₆<0.001 µg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 µg/m³, As<0.001 ng/m³

For Visionick Consultancy Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.:

trufab/18/R-9743

Date: 03/12/18

AMBIENT AIR QUALITY MONITORING REPORT FOR NOV-2018

1. ame of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-2 (Near SOBHA Canteen)

8. Monitoring Date

: 16.11.2018

9. Date of Analysis

17.11.2018 TO 22.11.2018

10. Date of Validity of Calibration

23.05.2019

3. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

4. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg/m³	Gravimetric	100	51.1
Particulate Matter (size less than 2.5μm) or PM _{2.5}	μg/m³	Gravimetric	60	30.2
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	6.8
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	14.7
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	6.8
Carbon Monoxide as CO	mg/m ³	NDIR Spectroscopy	02	0.28
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<19.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	. 01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	μg / m ³	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: $SO_2 < 4\mu g/m^3$, $NO_X < 9 \mu g/m^3$, $O_3 < 4\mu g/m^3$, $CO < 0.1 mg/m^3$ $NH_3 < 20\mu g/m^3$, $C_6H_6 < 0.001 \mu g/m^3$, $BaP < 0.002 ng/m^3$, $Ni < 0.01 ng/m^3$, $Po < 0.001 \mu g/m^3$, $As < 0.001 ng/m^3$

For Visiontek Consultance Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008 ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enufceb/18/R-9744.

Date: 03/12/18

AMBIENT AIR QUALITY MONITORING REPORT FOR NOV-2018

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-3 (Near SOBHA Main Gate)

3. Monitoring Date

16.11.2018

4. Date of Analysis

17.11.2018 TO 22.11.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	μg/m³	Gravimetric	100	52.6
Particulate Matter (size less than 2.5µm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	21.8
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	4.9
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	16.4
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	8.9
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.21
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	17.9
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m ³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	μg/m³	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NO_X < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

For Visiontek

rvices Pvt. Ltd.

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(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enulab/18/R-9745.

Date: 08/12/18

AMBIENT AIR QUALITY MONITORING REPORT FOR NOV-2018

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-4 (Near Water Project)

3. Monitoring Date

: 17.11.2018

4. Date of Analysis

18.11.2018 TO 23.11.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg / m³	Gravimetric	100	52.2
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	μg/m³	Gravimetric	60	25.4
Sulphur Dioxide as SO ₂	μg / m ³	Improved West and Gaeke method	80	7.8
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	8.9
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	7.3
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.23
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<20.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	μg / m ³	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDI. Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

For Visiontek Consultancy Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008 ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.

GANGE /18/ R-97.46

Date: 08/18/18

AMBIENT AIR QUALITY MONITORING REPORT FOR NOV-2018

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-5 (Near Last Boundary Wall-South)

3. Monitoring Date

17.11.2018

4. Date of Analysis

18.11.2018 TO 23.11.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler *

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g/m^3$	Gravimetric	100	50.4
Particulate Matter (size less than 2.5µm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	20.8
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	9.2
Oxides of Nitrogen as NO _X	μg/m ³	Modified Jacob & Hochheiser (Na-Arsenite)	80	16.5
Ozone as O ₃	μg / m ³	Chemical Method	100	9.1
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.27
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4μg/m³, NO_X < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, F As < 0.001 ng/m³

For Visiontek Qu

ultancy Services Pvt. Ltd.

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(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enufab/18/R-9747

Date: 03/12/18

AMBIENT AIR QUALITY MONITORING REPORT FOR NOV-2018

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-6 (Near Main Gate)

3. Monitoring Date

17.11.2018

4. Date of Analysis

18.11.2018 TO 23.11.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by : VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg/m³	Gravimetric	100	53.2
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg/m³	Gravimetric	60	20.8
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	7.8
Oxides of Nitrogen as NO _X	μg / m ³	Modified Jacob & Hochheiser (Na-Arsenite)	80	14.6
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	4.3
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.28
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	14.6
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

For Vision

Services Pvt. Ltd.

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(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008 ISO 14001 : 2004

OHSAS 18001 : 2007

Date: 03/12/18

Ref.: Envlab/18/R-9752

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

17.11.2018

A. General Information about Stack		
1. Stack Connected to	: DG Set-I	
2. Emission due to		
3. Material of Construction of stack	Burning of Diesel	
4. Shape of stack	: MS	
5. Whether stack is provided with permanent platform & ladder	: Circular	
6. Generator capacity	: Yes	
	: 1500 KVA	
B. Physical Characteristics of Stack:		
1. Height of the stack from ground level		
2. Diameter of the stack at bottom	: 31.5 mtrs.	
3. Diameter of the stack at sampling point	: 0.365 mtrs.	
y'	0.365 mtrs.	
C. Analysis / Characteristic of Stack:		
1. Fuel Used		
2. Fuel consumption	: HSD	
	: 100-150Lit/Hr	
	Result	CPCB Limit
britand of chilispion (C)	: 220.0	CI CO LIMIT
prosent (mm of 11g)		
11/3CC,)	: 787	
4. Quantity of gas flow (Nm³/hr.)	: 12.8	
5. Concentration of Carbon monoxide (mg/Nm ³)	: 5249.0	==
6. Concentration of Sulphur dioxide (mg/Nm³)	: 26.7	150
7. Concentration of Nitrogen dioxide (mg/Nm³)	: 31.2	×
8. Concentration of particulate Matters (mg/Nm³)	: 45.6	710
9. Concentration of Non Methane Hydrocarbon (mg/Nm³)	: 23.6	75
E. Pollution control Device	: 3.9	
Details of pollution control		
Device attached with the stack		
	: Nil	
F. Remarks: PM Concentration is within the CPCB norms. Equipment Detail		
1. Equipment Name	: Stack Sampler	
2. Model No	: VSS I	
3. Make	: Vayubodhan	
4. Calibration Upto	: 03.06,2019	



(An Enviro Engineering Consulting Cell)



ISO 9001: 2008 ISO 14001: 2004 OHSAS 18001: 2007

Ref.: Envlab/18/R-9753

Date: 03/12/18

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

Address

Khurda.

Date of Sampling

17.11.2018

A. General Information about Stack			
1. Stack Connected to			3.7.4
2. Emission due to	:	DG Set-II	
3. Material of Construction of stack		Burning of Diesel	
4. Shape of stack	:	MS	
5. Whether stack is provided with permanent platform & ladder	:	Circular	
6. Generator capacity	:	Yes	
	:	1500 KVA	
B. Physical Characteristics of Stack:		8	
1. Height of the stack from ground level		180	
2. Diameter of the stack at bottom	:	31.5 mtrs.	
3. Diameter of the stack at sampling point	:	0.365 mtrs.	
		0.365 mtrs.	
Analysis / Characteristic of Stack:			
1. Fuel Used			
2. Fuel consumption	:	HSD	
D. Results of Sampling & A L.: 6.5	;	100-150Lit/Hr	
D. Results of Sampling & Analysis of Gaseous Emission 1. Temperature of emission (°C)		Result	
2. Barometric pressure (mm of Hg)	:	272.0	CPCB Lin
3. Velocity of gas (m/sec.)			
4. Quantity of gas flow (Nm³/hr.)	:	729.2	P
Concentration of Contamination of Contam	:	13.5	
Concentration of Carbon monoxide (mg/Nm³)	i	4592.0	=
- Ontolitation of Sillings alloyide (ma/Vin-1)	:	22.3	150
	<u>:</u>	38.9	
	;	45.6	710
(mg/Nm ³)	۵ . ا	24.5	75
Pollution control Device	:	4.3	
Details of pollution control			
Device attached with the stack			
Remarks: PM Concentration is within the CDCD	:N	iI	
Equipment Detail			
1. Equipment Name			- 79
2. Model No	: Stack Sam	pler	
3. Make	: VSS 1		
4. Calibration Upto	: Vayubodh	an	
4. Cantilation Opto	: 03.06.2019)	

tancy Services Pvt. Ltd.



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ISO 9001 : 2008 ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/18/R-9754

Date: 03/12/18

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

17.11.2018

	VALUE OF TAXABLE PROPERTY			
	General Information about Stack		· · · · · · · · · · · · · · · · · · ·	
1.	Stack Connected to	:	DG Set-III	
2.	Emission due to		Burning of Diesel	
	Material of Construction of stack	:	MS	
	Shape of stack	- :	Circular	
5.	Whether stack is provided with permanent platform & ladder	:	No	
6.	Generator capacity	:	92.96 KVA	
<u>B.</u>	Physical Characteristics of Stack:	5 %		
1.	Height of the stack from ground level		3.5 mtrs.	
2.	Diameter of the stack at bottom		0.152 mtrs.	
3.3	Diameter of the stack at sampling point		0.152 mtrs.	
T.			0.132 IIII 5.	
	Analysis / Characteristic of Stack:	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
1.	Fuel Used		HSD	
2.	Fuel consumption		25 Lit/Hr	
D. 1	Results of Sampling & Analysis of Gaseous Emission		Result	CPCB Limit
1.	Temperature of emission (°C)		256.0	CI CD LIMIT
	Barometric pressure (mm of Hg)	•		
	Velocity of gas (m/sec.)	:	783	
	Quantity of gas flow (Nm ³ /hr.)	:	16.5	
	Concentration of Carbon monoxide (mg/Nm³)	:	1089.0	
	Concentration of Sulphur dioxide (mg/Nm³)	:	23.6	150
	Concentration of Nitrogen dioxide (mg/Nm ³)	:	29.8	
8. (Concentration of particulate Matters (mg/Nm³)	:	32.6	710
	Concentration of Non Methane Hydrocarbon (mg/Nm³)	:	37.2	75
		:	3.6	====
	Pollution control Device			
	Details of pollution control			
	Device attached with the stack	: 1	Nil	
	Remarks: PM Concentration is within the CPCB norms.			
Ē	Equipment Detail			
	1. Equipment Name	: Stack Sar	mpler	
	2. Model No	: VSS 1	Control	
	3. Make	: Vayuboo	lhan	
	4. Calibration Upto	: 03.06.20		

For Essonlek Consultancy Services Pvt. Ltd.

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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: @nvLab/19/R-355

Date: 02/02/19

WATER QUALITY ANALYSIS REPORT FOR JANUARY -2019

1. Name of the Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

W-2: After Commissioning of MBR

3. Date of Sampling

: 16.01.2019

4. Date of Analysis

17.01.2019 to 24.01.2019

5. Date of validity of Calibration

23.05.2019

:

6. Sample Collected By

VCSPL representative in presence of INFOSYS representative

Sl. No.	Parameter	Unit	Analysis Results
			W-2
. 1	Total Suspended Solids as TSS	mg/L	4.6
2	Turbidity	NTU	0.51
3	Biochemical Oxygen Demand as BOD	mg/L	4.1
4	Chemical Oxygen Demand as COD	mg/L	14.6
5	Total Ammonia as NH ₃	mg/L	0.32
6	Total Nitrogen as N-Total	mg/L	2.2
7	Total Phosphorus as TP	mg/L	0.40
8	Oil & Grease as O&G	mg/L	1.51
9	Total Alkalinity as CaCO ₃	mg/L	86.5
10	Silica as SiO ₂	mg/L	0.025
11	Total Dissolved Solids as TDS	mg/L	128.5
12	pH	-	7.54
13	Total Hardness as TH	mg/L	125.5
14	Total Coliform as TC	MPN/100 ml	2.0*10 ²
15	Faecal Coliform as FC	MPN/100 ml	0.22*102



(An Enviro Engineering Consulting Cell)



ISO 9001 : 2008 ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Envlab/18/R-19756

Date: 03/12/18

WATER QUALITY ANALYSIS REPORT FOR NOVEMBER -2018

1. Name of the Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

W-2: After Commissioning of MBR

3. Date of Sampling

16.11.2018

4. Date of Analysis

17.11.2018 TO 23.11.2018

5. Date of validity of Calibration

23.05.2019

6. Sample Collected By

VCSPL representative in presence of INFOSYS representative

CI M-	Powerstan	TIm!4	Analysis Results
Sl. No.	Parameter	Unit	W-2
, 1 ,s	Total Suspended Solids as TSS	mg/L	3.6
2	Turbidity	NTU	0.41
3	Biochemical Oxygen Demand as BOD	mg/L	4.2
4	Chemical Oxygen Demand as COD	mg/L	10.2
5	Total Ammonia as NH ₃	mg/L	0.24
6	Total Nitrogen as N-Total	mg/L	2.4
7	Total Phosphorus as TP	mg/L	0.32
. 8	Oil & Grease as O&G	mg/L	1.26
9	Total Alkalinity as CaCO ₃	mg/L	80.6
10	Silica as SiO ₂	mg/L	0.023
11	Total Dissolved Solids as TDS	mg/L	294.0
12	pH		7.56
13	Total Hardness as TH	mg/L	132.0
14	Total Coliform as TC	MPN/100 ml	2.3*10 ²
15	Faecal Coliform as FC	MPN/100 ml	0.23*10 ²

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ISO 14001 : 2004 QHSAS 18001 : 2007

Enufab/19/R-18/

Date: 02 01/19

AMBIENT AIR QUALITY MONITORING REPORT FOR DEC -2018

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-1 (Near Chiller)

3. Monitoring Date

17.12.2018

4. Date of Analysis

18.12.2018 to 25.12.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10 µm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	52.6
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	μg/m³	Gravimetric	60	29.8
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	7.2
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	13.9
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	5.2
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.42
mmonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
enzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
enzo(a)Pyrene as BaP	ng/m ³	Solvent extraction followed by Gas Chromatography analysis	01	<0.001
ickel as Ni	ng/m³	AAS method after sampling	20	<0.01
ead as Pb	μg / m³	AAS method after sampling	1.0	<0.001
rsenic as As L Values: SO ₂ < 4 yrs/m ³ NO ₂ < 0 () 0	ng/m³	AAS method after sampling m ³ NH ₃ < 20µg/m ³ , C ₆ H ₆ <0.001 µg/m ³ , BaP<0.002 ng/m		

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ISO 14001: 2004 OHSAS 18001: 2007

Enulab/19/R-152

AMBIENT AIR QUALITY MONITORING REPORT FOR DEC -2018

ame of Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location

Monitoring Station ID:- AAQMS-2 (Near SOBHA Canteen)

Monitoring Date

17.12.2018

Date of Analysis

18.12.2018 to 25.12.2018

10. Date of Validity of Calibration

23.05.2019

3. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	μg/m³	Gravimetric	100	52.6
Particulate Matter (size less than 2.5μm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	32.6
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	7.5
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	14.5
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	7.2
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.35
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<19.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	μg / m ³	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	0.6	10.001

 $\mu g/m^3$, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 $\mu g/m^3$. As<0.001 ng/m3

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ISO 14001 : 2004 OHSAS 18001 : 2007

Emploce 1918-183

Date: 08 01/19

AMBIENT AIR QUALITY MONITORING REPORT FOR DEC -2018

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-3 (Near SOBHA Main Gate)

3. Monitoring Date

17.12.2018

4. Date of Analysis

18.12.2018 to 25.12.2018

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	54.8
Particulate Matter (size less than 2.5µm) or PM _{2,5}	$\mu g/m^3$	Gravimetric	60	29.8
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	5.3
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	15.6
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	8.7
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.35
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	18.9
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	< 0.002
Nickel as Ni	ng/m³	AAS method after sampling	20 -	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As DL Values: SO ₂ < 4µg/m ³ , NOx < 9 µg/m ³ O ₂ <	ng/m³	AAS method after sampling	06	<0.001

We values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, As < 0.001 ng/m³ Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, Ni < 0.01 ng/m³, Ni < 0.001 ng/m³, Ni < 0.0

For 1

Consultancy Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 14001: 2004 OHSAS 18001: 2007

Enulab/19/R-154

Date: 02 01 19

AMBIENT AIR QUALITY MONITORING REPORT FOR DEC -2018

Name of Industry 1.

M/s INFOSYS Ltd; Khurda.

Sampling Location 2.

Monitoring Station ID:- AAQMS-4 (Near Water Project)

3. Monitoring Date

17.12.2018

Date of Analysis

18.12.2018 to 25.12.2018

5. Date of Validity of Calibration

23.05.2019

6. **Monitoring Instruments**

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 19μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	54.5
Particulate Matter (size less than $2.5\mu m$) or $PM_{2.5}$	$\mu g / m^3$	Gravimetric	60	26.5
Sulphur Dioxide as SO ₂	μg / m ³	Improved West and Gaeke method	80	7.9
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	9.1
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	7.5
Carbon Monoxide as CO	mg/m ³	NDIR Spectroscopy	02	
Ammonia as NH ₃	μg / m ³	Indo phenol blue method	400	0.29
Benzene as C ₆ H ₆	μg/m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Vickel as Ni	ng/m³	AAS method after sampling	20	<0.01
cad as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
L Values: SO ₂ < 4µg/m ³ NO ₂ < 0	ng/m³	AAS method after sampling g/m³ NH ₃ < 20µg/m³, C ₆ H ₆ <0.001 µg/m³, BaP<0.002 n		

*0.01 ng/m³, Pb<0.001 μg/m³,

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ISO 14001: 2004 OHSAS 18001: 2007

Date: 02/01/19

Envalla [R-155

AMBIENT AIR QUALITY MONITORING REPORT FOR DEC -2018

Name of Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location 2.

Monitoring Station ID:- AAQMS-5 (Near Last Boundary Wall-South)

Monitoring Date 3.

17.12.2018

Date of Analysis 4.

18.12.2018 to 25.12.2018

Date of Validity of Calibration 5.

23.05.2019

Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	53.6
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg / m³	Gravimetric	60	21.5
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80 -	9.5
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	17.5
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	9.2
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.29
Ammonia as NH ₃	$\mu g / m^3 -$	Indo phenol blue method	400 -	<18.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	< 0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: $SO_2 < 4\mu g/m^3$, $NO_3 < 9 \mu g/m^3$, $O_3 < 4\mu g/m^3$, $CO < 0.1 \text{ mg/m}^3 \text{ NH}_3 < 20\mu g/m^3$, $C_6H_6 < 0.001 \mu g/m^3$, $BaP < 0.002 \text{ ng/m}^3$, $Ni < 0.01 \text{ ng/m}^3$, $Pb < 0.001 \mu g/m^3$, $As < 0.001 \text{ ng/m}^3$

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(An Enviro Engineering Consulting Cell)



ISO 14001: 2004 OHSAS 18001: 2007

Ref.:

Envlob/19/R-164

Date: 08 | 01 | 19

WATER QUALITY ANALYSIS REPORT FOR DECEMBER -2018

1. Name of the Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location

W-2: After Commissioning of MBR

Date of Sampling

17.12.2018

;

Date of Analysis

18.12.2018 to 25.12.2018

Date of validity of Calibration

23.05.2019

Sample Collected By

VCSPL representative in presence of INFOSYS representative

Sl. No.	Parameter	Unit	Analysis Results
1	T + 10		W-2
	Total Suspended Solids as TSS	mg/L	3.9
2	Turbidity	NTU	
3	Biochemical Oxygen Demand as BOD		0.52
4		mg/L	4.8
	Chemical Oxygen Demand as COD	mg/L	- 16.2
5	Total Ammonia as NH ₃	mg/L	0.32
6	Total Nitrogen as N-Total	mg/L	
7	Total Phosphorus as TP		2.6
8	Oil & Grease as O&G	mg/L	0.45
		mg/L	1.56
9	Total Alkalinity as CaCO ₃	mg/L	82.0
10	Silica as SiO ₂		
11	Total Dissolved Solids as TDS	mg/L	0.041
12		mg/L	192.0
	pH		7.91
13	Total Hardness as TH	mg/L	- 142.0
14	Total Coliform as TC		
15	Faecal Coliform as FC	MPN/100 ml	$2.5*10^2$
	accar Comorn as FC	MPN/100 ml	$0.27*10^{2}$

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Ervices Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 14001: 2004 OHSAS 18001: 2007

of: trulab[19[R-15]6

Date: 02 /01/19

AMBIENT AIR QUALITY MONITORING REPORT FOR DEC-2018

Name of Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location

Monitoring Station ID:- AAQMS-6 (Near Main Gate)

Monitoring Date 3.

17.12.2018

Date of Analysis

18.12.2018 to 25.12.2018

Date of Validity of Calibration

23.05.2019

Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by 7.

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	54.2
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg/m³	Gravimetric	60	24.5
Sulphur Dioxide as SO ₂	μg / m ³	Improved West and Gaeke method	80	7.9
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	15.6
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	4.9
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.35
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	15.6
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling mg/m³ NH ₃ < 20µg/m³, C ₆ H ₆ <0.001 µg/m³, BaP<0.0	06	<0.001

s<0.001 ng/m

For Visionte Services Pvt. Ltd.

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: 60 mfab /19/R-160

Date: 02/01/19

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

17.12.2018

Α.	General Information about Stack		
1.	Stack Connected to	: DG Set-I	
2.	Emission due to	Burning of Diesel	
3.	Material of Construction of stack	: MS	
4.	Shape of stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	; Yes	
6.	Generator capacity	: 1500 KVA	
B.	Physical Characteristics of Stack:		••
1.	Height of the stack from ground level	: 31.5 mtrs.	
2.	Diameter of the stack at bottom	: 0.365 mtrs.	
3.	Diameter of the stack at sampling point	0.365 mtrs.	
3.			
Ċ.	Analysis / Characteristic of Stack:	8	
Ì.	Fuel Used	: HSD	
2.	Fuel consumption	: 100-150Lit/Hr	
D.	Results of Sampling & Analysis of Gaseous Emission	Result CPCB	Limit
1.	Temperature of emission (°C)	: 218.0	
2.	Barometric pressure (mm of Hg)	: 752	
3.	Velocity of gas (m/sec.)	: 10.42	
4.	Quantity of gas flow (Nm ³ /hr.)	: 5345.0	
5.	Concentration of Carbon monoxide (mg/Nm ³)	: 26.4	150
6.	Concentration of Sulphur dioxide (mg/Nm ³)	: 30.8	150
7.	Concentration of Nitrogen dioxide (mg/Nm ³)	: 41.6	710
8.	Concentration of particulate Matters (mg/Nm ³)	: 23.2	
9.	Concentration of Non Methane Hydrocarbon (mg/Nm³)	: 4.2	75
E.	Pollution control Device	: 4.2	
3074	Details of pollution control		
	Device attached with the stack	: Nil	
		, 1411	
F.	Remarks: PM Concentration is within the CPCB norms.	90-	
	Equipment Detail	. Ct. al. Clan	
	1. Equipment Name	: Stack Sampler	
	2. Model No	: VSS 1	
	3. Make	: Vayubodhan17.12.	
	4. Calibration Upto	: 03.06.2019	

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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: 6n w/ab/19/R-18/

Daté: 🖎 [0-1] [19

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

17.12.2018

A	= ====================================			
2.	otton Connected to		DG Set-II	
3.		, = '	Burning of Diesel	
4.	Tracertal of Constituction of Stack	,	MS	
5.	Stape of Stack	· ·	Circular	
	"Mother stack is provided with permanent highterm & ladder	^;	Yes	
6.	Generator capacity	:	1500 KVA	
75			1300 K / A	
<u>B.</u>				
1.	Height of the stack from ground level		21.6	
2.	Diameter of the stack at bottom		31.5 mtrs.	
3,	Diameter of the stack at sampling point	•	0.365 mtrs.	
			0.365 mtrs.	
<u>C.</u>	Analysis / Characteristic of Stack:			<u> </u>
强.	Fuel Used		Han	
2.	Fuel consumption		HSD	
<u>D.</u>	Results of Sampling & Analysis of Gaseous Emission	<u>·</u>	100-150Lit/Hr	
1.	remperature of emission (°C)		Result	CPCB Limit
2.	Barometric pressure (mm of Hg)	:	282.0	
3.	Velocity of gas (m/sec.)	:	756.2	
4.	Quantity of gas flow (Nm ³ /hr.)	:	13.9	====
5.	Concentration of Carbon monoxide (mg/Nm ³)	:	4682.0	==
6.	Concentration of Sulphur dioxide (mo/Nm ³)	:	22.9	150
7.	Concentration of Nitrogen dioxide (mg/Nm ³)	:	37.5	
8.	Concentration of particulate Matters (mg/Nm ³)	:	43.4	710
9.	Concentration of Non Methane Hydrocarbon (mg/Nm³)	:	26.5	75
E.	Pollution control Device		4.9	
	Details of pollution control			
	Device attached with the stack			
F.		: N	Til Til	
	Remarks: PM Concentration is within the CPCB norms. Equipment Detail			
	1. Equipment Name	: Stack Sam	pler	
	2. Model No	: VSS 1	4	
	3. Make	: Vayubodi	nan	
	4. Calibration Upto	: 03.06.201	9	

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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.:

Enval /19/R-182

Date: 02/01/18,

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

17,12,2018

A	General Information about Stack					
1.	Stack Connected to					
2.	Emission due to		:	DG Set-III		
3.	Material of Construction of stack		(4) (7)	Burning of D	iesel	
4.	Shape of stack		;	MS		
5.	Whether stack is provided with perm		:	Circular		
6.	Generator capacity	ianent platform & ladder	:	No		
	Concretor capacity		:	92.96 KVA		
<u>B</u> ,	Physical Characteristics of Stack:					
1.,	Height of the stack from ground lev	vel		2.5		
2.	Diameter of the stack at bottom		:	3.5 mtrs.		
3.	Diameter of the stack at sampling po	int	# = :	0.152 mtrs.		
1/2				0.152 mtrs.		
<u>c.</u>	Analysis / Characteristic of Stack:	50° an				
1 .	Fuel Used		:	HSD	(90)	
Ž.	Fuel consumption		:	25 Lit/Hr		
<u>D.</u>	Results of Sampling & Analysis o	f Gaseons Emission	<u> </u>			
1.	Temperature of emission (°C)	3155045 2111331011		Result 298.0		CPCB Limit
2.	Barometric pressure (mm of Hg)		g as i			
3.	Velocity of gas (m/sec.)		:	723		
4.	Quantity of gas flow (Nm ³ /hr.)		:	15.8		
5.	Concentration of Carbon monoxide (mo/Nm³)	:	1239.0		
6.	Concentration of Sulphur dioxide (m	g/Nm³)	:	24.6		150
7.	Concentration of Nitrogen dioxide (m	10/Nm ³)	:	30.5		
8.	Concentration of particulate Matters	mo/Nm³)	:	34.6		710
9.	Concentration of Non Methane Hydro	Ocarbon (mg/Nm³)	:	38.9		75
E.	Pollution control Device		- 1:	3.5		
12,	Details of pollution control					
	Device attached with the stack					ļ
F.		- 100 mm	: ì	Vil	**	
E:	Remarks: PM Concentration is within Equipment Detail	n the CPCB norms.		Sur Contract		
	Association and the second	77				
	1.	Equipment Name	: Stack Sar	npler		20
	2.	Model No	: VSS 1			
	3.	Make	: Vayubod			
	4.	Calibration Upto	: 03.06.20	19		M .
		4 -4		7510		

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tincy Services Pvt. Ltd.

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ISO 9001: 2008 ISO 14001: 2004 OHSAS 18001 : 2007

Ref.: Caufab [19] R - 1186:

Date: 05 08 /19

AMBIENT AIR QUALITY MONITORING REPORT FOR FEB -2019

Name of Industry

M/s INFOSYS Ltd; Khurda.

Sampling Location

Monitoring Station ID:- AAQMS-6 (Near Main Gate)

Monitoring Date 3.

24.02.2019

Date of Analysis

24.02.2019 to 27.02.2019

Date of Validity of Calibration

23.05.2019

Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than	$\mu g / m^3$	Gravimetric	100	60.8
Aum) or PM10	$\frac{\mu g / m^3}{}$	Gravimetric	60	26.9
Particulate Matter (size less than 2.5μm) or PM _{2.5}	$\frac{\mu g}{\mu g} / m^3$	Improved West and Gaeke method	80	8.1
Sulphur Dioxide as SO ₂	$\frac{\mu g}{\mu g}$	Modified Jacob & Hochheiser	80	12.2
Oxides of Nitrogen as NO _X		(Na-Arsenite)	100	8.0
Ozone as O ₃	$\mu g / m^3$	Chemical Method	02	0.61
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	400	17.5
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method Absorption & Desorption followed	05	<0.001
Benzene as C ₆ H ₆	$\mu g / m^3$	by GC analysis		<0.002
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.01
Bridge Date Co. Sec. 8	ng/m³	AAS method after sampling	20	<0.001
Nickel as Ni Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling 0.1 mg/m³ NH ₃ < 20µg/m³, C ₆ H ₆ <0.001 µg/m³, BaP<	0.002 ng/m³, Ni<0.01	ng/m³, Pb<0.001 με

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Ni<0.001 μg/m³, No₃ < 4μg/m³, No₃ < 4μg/ As<0.001 ng/m3

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enylab [19] R-1187.

Date: 05/08/19

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

23.02.2019

A.	General Information about Stack	: DG Set-I	
	Stack Connected to	Burning of Diesel	
	Emission due to	: MS	
	Material of Construction of stack	: MS : Circular	
	Shape of stack	: Yes	
5.	Whether stack is provided with permanent platform & ladder	: 168 : 1500 KVA	
6.	Generator capacity	: 1300 KVA	
В.	Physical Characteristics of Stack:		
1.	Height of the stack from ground level	: 31.5 mtrs.	
2.	Diameter of the stack at bottom	: 0.365 mtrs.	
	Diameter of the stack at sampling point	0.365 mtrs.	
C	Analysis / Characteristic of Stack:		19
14	Fuel Used	: HSD	
2.	Fuel consumption	: 100-150Lit/Hr	
Ď.	Results of Sampling & Analysis of Gaseous Emission	Result	CPCB Limi
1.	Temperature of emission (°C)	: 226.0	
2.	Barometric pressure (mm of Hg)	: 743	=
3.	Velocity of gas (m/sec.)	: 13.8	
4.	Quantity of gas flow (Nm ³ /hr.)	: 5455.6	
5.	Concentration of Carbon monoxide (mg/Nm ³)	: 24,5	150
6.	Concentration of Sulphur dioxide (mg/Nm³)	: 34.6	****
7.	Concentration of Nitrogen dioxide (mg/Nm³)	: 43.5	710
8.	Concentration of particulate Matters (mg/Nm³)	: 27.8	75
9.	Concentration of Non Methane Hydrocarbon (mg/Nm³)	: 4.3	
E.	Pollution control Device		
	Details of pollution control	: Nil	
	Device attached with the stack	: IMI	
<u>F.</u> _	Remarks: PM Concentration is within the CPCB norms.	-	
	Equipment Detail	- Charle Committee	
	1. Equipment Name	: Stack Sampler	
	2. Model No	: VSS 1	
	3. Make	: Vayubodhan	
	4. Calibration Upto	: 03.06.2019	

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ISO 14001 : 2004 OHSAS 18001 · 2007

Earlab/19/R-1138

ANALYSIS REPORT OF FLUE GAS

Date: 05/08/19

1. / Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

23.02.2019

3.	Date of Sampling

A. General Information about Stack DG Set-II Stack Connected to Burning of Diesel

Emission due to 2. MS

Material of Construction of stack 3. Circular

Shape of stack Whether stack is provided with permanent platform & ladder 4. Yes 5. 1500 KVA

Generator capacity

Physical Characteristics of Stack: 31.5 mtrs. Height of the stack from ground level 1.

0.365 mtrs. Diameter of the stack at bottom 2. 0.365 mtrs.

3. Diameter of the stack at sampling point

Analysis / Characteristic of Stack: **HSD**

Fuel Used 100-150Lit/Hr Fuel consumption

Results of Sampling & Analysis of Gaseous Emission **CPCB Limit** Result 288.0 Temperature of emission (°C) Barometric pressure (mm of Hg) 743 2. 17.5 Velocity of gas (m/sec.) Quantity of gas flow (Nm3/hr.) 4559.5 Concentration of Carbon monoxide (mg/Nm³) 24.6 150

Concentration of Sulphur dioxide (mg/Nm³) 40.8 Concentration of Nitrogen dioxide (mg/Nm3) 710 42.2 Concentration of particulate Matters (mg/Nm³) 75 26.5 Concentration of Non Methane Hydrocarbon (mg/Nm³) 4.2

Pollution control Device

Details of pollution control : Nil Device attached with the stack

Remarks: PM Concentration is within the CPCB norms.

Equipment Detail : Stack Sampler Equipment Name : VSS 1 Model No

: Vayubodhan Make : 03.06.2019 Calibration Upto

Itancy Services Pvt. Lta

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enerfab [19/R - 1189.

Date: 05 [08[19]

ANALYSIS REPORT OF FLUE GAS

Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

23.02.2019

				· · · · · · · · · · · · · · · · · · ·
<u>A.</u>	General Information about Stack		DC Cat III	
1.	Stack Connected to	:	DG Set-III	
2.	Emission due to		Burning of Diesel	
3.	Material of Construction of stack	;	MS	
4.	Shape of stack	:	Circular	
5.	Whether stack is provided with permanent platform & ladder	:	No	
6.	Generator capacity		92.96 KVA	
	604.1			
<u>B.</u>	Physical Characteristics of Stack:		3.5 mtrs.	
1.	Height of the stack from ground level	•	0.152 mtrs.	ļ
2.	Diameter of the stack at bottom	•	0.152 mtrs.	
3.	Diameter of the stack at sampling point		0.132 mus.	
VI.				
<u>C.</u>	Analysis / Characteristic of Stack:	25	HSD	
1.	Fuel Used	:	25 Lit/Hr	6
2.	Fuel consumption	<u>.</u>	Result	CPCB Limit
<u>D.</u>	Results of Sampling & Analysis of Gaseous Emission		292.0	CI CD Linit
1.	Temperature of emission (°C)			
2.	Barometric pressure (mm of Hg)	:	743	
3.	Velocity of gas (m/sec.)	:	19.2	===
4.	Quantity of gas flow (Nm³/hr.)	;	1128.0	
5.	Concentration of Carbon monoxide (mg/Nm³)	a .:	25.8	150
6.	Concentration of Sulphur dioxide (mg/Nm ³)	:	32.6	
7.	Concentration of Nitrogen dioxide (mg/Nm³)	:	35.2	710
8.	Concentration of particulate Matters (mg/Nm³)	:	34.2	75
9.	Concentration of Non Methane Hydrocarbon (mg/Nm³)	:	3.6	
E.	Pollution control Device			
_	Details of pollution control			
	Device attached with the stack	:	Nil	
<u>F.</u>	Remarks: PM Concentration is within the CPCB norms.	1 2 1	·	
	Equipment Detail			
n _e	1. Equipment Name	: Stack Sa	mpler	
	2. Model No	: VSS 1		
*	3. Make	: Vayubo		
2- 02	4. Calibration Upto	: 03.06.20	019	
			The state of the s	

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ISO 9001 : 2008

ISO 14001 : 2004 OHSAS 18001 : 2007

Envlab/19/R-1181,

Date: 05 [08 [19

AMBIENT AIR QUALITY MONITORING REPORT FOR FEB -2019

1. Name of Industry

lef.:

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-1 (Near Chiller)

3. Monitoring Date

23.02.2019

4. Date of Analysis

24.02.2019 to 27.02.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg/m³	Gravimetric	100	59.5
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg / m³	Gravimetric	60	34.5
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	7.6
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	15.8
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	5.6
Carbon Monoxide as CO	mg/m ³	NDIR Spectroscopy	02	0.59
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	μg / m ³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.001
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, As < 0.001 ng/m³

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ISO 14001 : 2004 OHSAS 18001 : 2007

Enufab/19/R-1182

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AMBIENT AIR QUALITY MONITORING REPORT FOR FEB -2019

1. ame of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-2 (Near SOBHA Canteen)

3. Monitoring Date

23.02.2019

4. Date of Analysis

24.02.2019 to 27.02.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10 µm) or PM ₁₀	μg / m ³	Gravimetric	100	60.2
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	μg/m³	Gravimetric	60	38.6
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	8.2
Oxides of Nitrogen as NO _X	μg / m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	16:4
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	7.9
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.45
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<19.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Ais as As	ng/m³	AAS method after sampling	06	<0.001

Als<0.001 ng/m³, NOx < 9 μg/m³, O₃< 4μg/m³, CO< 0.1 mg/m³ NH₃< 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³
As<0.001 ng/m³

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ISO 14001 : 2004

OHSAS 18001: 2007

Enufab/19/R-1183

Date: 05/08/19

AMBIENT AIR QUALITY MONITORING REPORT FOR FEB -2019

Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-3 (Near SOBHA Main Gate)

3. Monitoring Date

: 23.02.2019

4. Date of Analysis

24.02.2019 to 27.02.2019

5. Date of Validity of Calibration

23.05.2019

6 Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	48.9
Particulate Matter (size less than 2.5µm) or PM _{2.5}	μg/m³	Gravimetric	60	28.6
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	5.9
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	17.8
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	9.2
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.42
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	19.7
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m ³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NO₃ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³
As < 0.001 ng/m³

(An Enviro Engineering Consulting Cell)



ISO 9001:200

ISO 14001 : 2004 OHSAS 18001 : 2007

EnerablialR-1134i

Date: 05/08/19

AMBIENT AIR QUALITY MONITORING REPORT FOR FEB -2019

1. Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-4 (Near Water Project)

3. Monitoring Date

24.02.2019

4. Date of Analysis

24.02.2019 to 27.02.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	61.8
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	μg / m ³	Gravimetric	60	27.9
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	8.1
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	10.2
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	8.9
Carbon Monoxide as CO	mg/m ³	NDIR Spectroscopy	02	0.36
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<20.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	μg/m³	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NOx < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³, As<0.001 ng/m³

(An Enviro Engineering Consulting Cell)



ISO 14001: 2004

OHSAS 18001: 2007

Ennfablie/R-11851

Date: 05 [08] 19

AMBIENT AIR QUALITY MONITORING REPORT FOR FEB -2019

1. Name of Industry

ef .:

M/s INFOSYS Ltd; Khurda.

Sampling Location

Monitoring Station ID:- AAQMS-5 (Near Last Boundary Wall-South)

Monitoring Date 3.

24.02.2019

Date of Analysis

24.02.2019 to 27.02.2019

Date of Validity of Calibration

23.05.2019

Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than	μg / m ³	Gravimetric	100	58.6
0μm) or PM ₁₀ Particulate Matter (size less than	μg/m³	Gravimetric	60	26.2
2.5μm) or PM _{2.5} Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	10.2
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	19.7
	$\mu g / m^3$	Chemical Method	100	9.9
Ozone as O ₃	$\frac{\mu g}{mg}$ mg/m ³	NDIR Spectroscopy	02	0.42
Carbon Monoxide as CO	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Ammonia as NH_3 Benzene as C_6H_6	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
	ng/m³	AAS method after sampling	20	< 0.01
Nickel as Ni	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Lead as Pb Arsenic as As	$\frac{\mu g}{ng/m^3}$	AAS method after sampling	06	<0.001

BDL Values: $SO_2 < 4\mu g/m^3$, $NOx < 9 \mu g/m^3$, $O_3 < 4\mu g/m^3$, $CO < 0.1 mg/m^3$ $NH_3 < 20\mu g/m^3$, $C_6H_6 < 0.001 \mu g/m^3$, $BaP < 0.002 ng/m^3$, $Ni < 0.01 ng/m^3$, $Pb < 0.001 \mu g/m^3$, $As < 0.001 ng/m^3$

Services Pvt. Ltd. For Visiontek Consultancy

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 · 2007

Ref.: Earfab [19/R-1144]

Date: 01/08/19

WATER QUALITY ANALYSIS REPORT FOR FEBRUARY -2019

1. Name of the Industry : M/s INFOSYS Ltd; Khurda.

. Sampling Location : W-2: After Commissioning of MBR

3. Date of Sampling : 23.02.2019

4. Date of Analysis : 24.02.2019 to 28.02.2019

5. Date of validity of Calibration : 23.05.2019

6. Sample Collected By : VCSPL representative in presence of INFOSYS representative

		YT. 34	Analysis Results	
Sl. No.	Parameter	Unit	W-2	
'1	Total Suspended Solids as TSS	mg/L	11.8	
2	Turbidity	NTU	0.6	
3	Biochemical Oxygen Demand as BOD	mg/L	4.2	
4	Chemical Oxygen Demand as COD	mg/L	17.4	
5	Total Ammonia as NH ₃	mg/L	0.38	
6	Total Nitrogen as N-Total	mg/L	2.46	
7	Total Phosphorus as TP	mg/L	0.51	
8	Oil & Grease as O&G	mg/L	1.6	
9 -	Total Alkalinity as CaCO ₃	mg/L	56.0	
10	Silica as SiO ₂	mg/L	0.024	
11	Total Dissolved Solids as TDS	mg/L	128.0	
12	pH	****	7.52	
13	Total Hardness as TH	mg/L	118.0	
14	Total Coliform as TC	MPN/100 ml	2.1*10 ²	
15	Faecal Coliform as FC	MPN/100 ml	0.25*10 ²	

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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Empab/19/R-1643

Date: 04/04/19

AMBIENT AIR QUALITY MONITORING REPORT FOR MARCH -2019

1. Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-1 (Near Chiller)

3. Monitoring Date

: 25.03.2019

4. Date of Analysis

26.03.2019 to 29.03.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

Sample collected by : VCSPL Representative in presence of INFOSYS Representative.

Parameters Analyzed	Unit	Unit Testing method		Analysis Results
Particulate Matter (size less than 10μm) or PM ₁₀	μg/m³	Gravimetric	100	62.0
Particulate Matter (size less than 2.5μm) or PM _{2.5}	μg/m³	Gravimetric	60	38.0
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	7.9
Oxides of Nitrogen as NO _X	μg / m ³	Modified Jacob & Hochheiser (Na-Arsenite)	80	16.8
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	5.7
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.86
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.001
Nickel as Ni	ng/m³	AAS method after sampling	20	< 0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	<0.001
Arsenic as As	ng/m³	AAS method after sampling /m³ NH ₃ < 20µg/m³, C ₆ H ₆ <0.001 µg/m³, BaP<0.002 ng/	06	< 0.001

BDL Values: $SO_2 < 4\mu g/m^3$, $NOx < 9 \mu g/m^3$, $O_3 < 4\mu g/m^3$, $CO < 0.1 mg/m^3 NH_3 < 20\mu g/m^3$, $C_6H_6 < 0.001 \mu g/m^3$, $BaP < 0.002 ng/m^3$, $Ni < 0.01 ng/m^3$, $Pb < 0.001 \mu g/m^3$, $As < 0.001 ng/m^3$

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Visiontek Consultancy Services Pvt. Ltd.

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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enufact [19/1 - 1644 :

Date: 54/54/19

AMBIENT AIR QUALITY MONITORING REPORT FOR MARCH -2019

1. ame of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-2 (Near SOBHA Canteen)

8. Monitoring Date

: 25.03.2019

9. Date of Analysis

26.03.2019 to 29.03.2019

10. Date of Validity of Calibration

23.05.2019

3. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

4. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analyzed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10 µm) or PM ₁₀	$\mu g / m^3$	Gravimetric	100	65.2
Particulate Matter (size less than 2.5 µm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	40.2
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	8.5
Oxides of Nitrogen as NO _X	$\mu g / m^3$	Modified Jacob & Hochheiser (Na-Arsenite)	80	17.8
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	8.5
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.53
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<19.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g/m^3$	AAS method after sampling	1.0	< 0.001
	3	AAS method after sampling 1 mg/m³ NH ₃ < 20µg/m³, C ₆ H ₆ <0.001 µg/m³, BaP<0.	06	<0.001

Arsenic as As

| Arsenic as As | Ing III | Ind III | In



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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: faufab/19/R-1645

Date: 04/04/19

AMBIENT AIR QUALITY MONITORING REPORT FOR MARCH -2019

Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-3 (Near SOBHA Main Gate)

3. Monitoring Date

25.03.2019

4. Date of Analysis

26.03.2019 to 29.03.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg / m ³	Gravimetric	100	56.0
Particulate Matter (size less than 2.5μm) or PM _{2.5}	$\mu g / m^3$	Gravimetric	60	28.4
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	6.6
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	19.2
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	10.3
Carbon Monoxide as CO	mg/m³	NDIR Spectroscopy	02	0.53
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	20.5
Benzene as C ₆ H ₆	μg/m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NO₂ < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆<0.001 μg/m³, BaP<0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³ As<0.001 ng/m³

For Visiontek Consultancy Services Pvt. Ltd.

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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: fourablasse -1646

Date: 04/04/19

AMBIENT AIR QUALITY MONITORING REPORT FOR MARCH -2019

Name of Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

: Monitoring Station ID:- AAQMS-4 (Near Water Project)

3. Monitoring Date

: 26.03.2019

4. Date of Analysis

26.03.2019 to 29.03.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than 10µm) or PM ₁₀	μg/m³	Gravimetric	100	66.0
Particulate Matter (size less than 2.5μm) or PM _{2.5}	μg/m³	Gravimetric	60	30.2
Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	8.5
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	9.9
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	9.3
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.43
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<20.0
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NOx < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni<0.01 ng/m³, Pb<0.001 μg/m³
As<0.001 ng/m³



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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.

Emplat/19/R-1647

Date: 04/04/19

AMBIENT AIR QUALITY MONITORING REPORT FOR MARCH -2019

Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-5 (Near Last Boundary Wall-South)

3. Monitoring Date

26.03.2019

4. Date of Analysis

26.03.2019 to 29.03.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

VCSPL representative in presence of INFOSYS representative.

7. Sample collected by

Parameters Analysed Unit Testing method NAAQ Analysis

Standard Results

Particulate Matter (size less than ug/m³ Gravimetric

Particulate Matter (size less than 10μm) or PM ₁₀	μg / m ³	Gravimetric	100	64.1
Particulate Matter (size less than 2.5μm) or PM _{2.5}	μg/m³	Gravimetric	60	30.2
Sulphur Dioxide as SO ₂	μg/m³	Improved West and Gaeke method	80	9.7
Oxides of Nitrogen as NO _X	μg/m³	Modified Jacob & Hochheiser (Na-Arsenite)	80	20.3
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	9.7
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	. 02	0.53
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	<18.0
Benzene as C ₆ H ₆	μg / m³	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	.ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0 -	<0.001
Arsenic as As	ng/m³	AAS method after sampling	06	< 0.001

BDL Values: $SO_2 < 4\mu g/m^3$, $NOx < 9 \mu g/m^3$, $O_3 < 4\mu g/m^3$, $CO < 0.1 mg/m^3$ $NH_3 < 20\mu g/m^3$, $C_6H_6 < 0.001 \mu g/m^3$, $BaP < 0.002 ng/m^3$, $Ni < 0.01 ng/m^3$, $Pb < 0.001 \mu g/m^3$, $As < 0.001 ng/m^3$



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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: toulab/19/R-1648

Date: 04/04/19

AMBIENT AIR QUALITY MONITORING REPORT FOR MARCH -2019

Name of Industry

: M/s INFOSYS Ltd; Khurda.

2. Sampling Location

Monitoring Station ID:- AAQMS-6 (Near Main Gate)

3. Monitoring Date

26.03.2019

4. Date of Analysis

26.03.2019 to 29.03.2019

5. Date of Validity of Calibration

23.05.2019

6. Monitoring Instruments

RDS(APM 460 BL), FPS(APM 550) Envirotech, CO Analyzer, VOC Sampler

7. Sample collected by

VCSPL representative in presence of INFOSYS representative.

Parameters Analysed	Unit	Testing method	NAAQ Standard	Analysis Results
Particulate Matter (size less than	$\mu g / m^3$	Gravimetric	100	61.8
0µm) or PM ₁₀ Particulate Matter (size less than	$\mu g / m^3$	Gravimetric	60	31.6
5μm) or PM _{2.5} Sulphur Dioxide as SO ₂	$\mu g / m^3$	Improved West and Gaeke method	80	8.6
Oxides of Nitrogen as NO _X	μg / m ³	Modified Jacob & Hochheiser (Na-Arsenite)	80	18.9
Ozone as O ₃	$\mu g / m^3$	Chemical Method	100	8.6
Carbon Monoxide as CO	mg/m^3	NDIR Spectroscopy	02	0.64
Ammonia as NH ₃	$\mu g / m^3$	Indo phenol blue method	400	18.9
Benzene as C ₆ H ₆	$\mu g / m^3$	Absorption & Desorption followed by GC analysis	05	<0.001
Benzo(a)Pyrene as BaP	ng/m³	Solvent extraction followed by Gas Chromatography analysis	01	<0.002
Nickel as Ni	ng/m³	AAS method after sampling	20	<0.01
Lead as Pb	$\mu g / m^3$	AAS method after sampling	1.0	< 0.001
Arsenic as As	ng/m ³	AAS method after sampling	06	<0.001

BDL Values: SO₂ < 4μg/m³, NOx < 9 μg/m³, O₃ < 4μg/m³, CO< 0.1 mg/m³ NH₃ < 20μg/m³, C₆H₆ < 0.001 μg/m³, BaP < 0.002 ng/m³, Ni < 0.01 ng/m³, Pb < 0.001 μg/m³, As < 0.001 ng/m³

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ISO 14001 : 2004

Ref.: 6nufab/19/R-1651

Date: 84 / 04 / 19

OHSAS 18001: 2007

ANALYSIS REPORT OF FLUE GAS

Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

26.03.2019

	General Information about Stack	: DG Set-I	
	Stack Connected to	Burning of Diesel	
	Emission due to	: MS	
•	Material of Construction of stack	: Circular	
	Chang of stock	· Yes	
; . ; .	Whether stack is provided with permanent platform & ladder	: 1500 KVA	
5.	Generator capacity	. 130011.11	
3.	Physical Characteristics of Stack:	31.5 mtrs.	
	Height of the stack from ground level	: 0.365 mtrs.	
2	Diameter of the stack at bottom	0.365 mtrs.	
3.	Diameter of the stack at sampling point	0,505 11115	
150 m	Analysis / Characteristic of Stack:	: HSD	
- 1	Fuel Used	: 100-150Lit/Hr	
ž .	Fuel consumption		PCB Limi
_	2 2 8 Analysis of Caseous Emission	Kesuit	,1 CD 1111111
D.	Temperature of emission (°C)	: 236.0	
1.	Barometric pressure (mm of Hg)	; 713	
2.	Velocity of gas (m/sec.)	: 14.6	
3.	Quantity of gas flow (Nm³/hr.)	: 5469.6	4.50
4.	Concentration of Carbon monoxide (mg/Nm ³)	: 26.3	150
5.	Concentration of Sulphur dioxide (mg/Nm³)	: 36.4	====
6.	Concentration of Nitrogen dioxide (IIII/IVIII)	; 45.5	710
7.	Concentration of particulate Matters (Mg/NIII)	: 29.8	
8. 9.		: 4.9	
E	Pollution control Device		
	Details of pollution control	: Nil	
	Device attached with the stack		
F			
	Equipment Detail 1. Equipment Name	: Stack Sampler	
	2. Model No	: VSS 1	
		: Vayubodhan	
	3. Make 4. Calibration Upto	: 03.06.2019	

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ISO 14001: 2004 OHSAS 18001: 2007

Employ /19/R-1652 Ref.:

Date: 04/04/19

ANALYSIS REPORT OF FLUE GAS

Name of the Industry

M/s. INFOSYS Ltd;

Khurda.

Address

3. Date of Sampling

26.03.2019

General Information about Stack	: DG Set-II Burning of Diesel	
Stack Connected to Emission due to Material of Construction of stack Shape of stack Whether stack is provided with permanent platform & ladder Generator capacity	: MS : Circular : Yes : 1500 KVA	
 Physical Characteristics of Stack: Height of the stack from ground level Diameter of the stack at bottom Diameter of the stack at sampling point 	: 31.5 mtrs. : 0.365 mtrs. 0.365 mtrs.	
C. Analysis / Characteristic of Stack: Fuel Used Fuel consumption D. Results of Sampling & Analysis of Gaseous Emission Property of Company State of Compan	: HSD : 100-150Lit/Hr	CPCB Limit
 Barometric pressure (min of 2-3) Velocity of gas (m/sec.) Quantity of gas flow (Nm³/hr.) Concentration of Carbon monoxide (mg/Nm³) 	: 19.8 : 4699.5 : 23.6 : 46.9 : 47.8	150 710
7. Concentration of Null ogethern (mg/Nm³) 8. Concentration of particulate Matters (mg/Nm³) 9. Concentration of Non Methane Hydrocarbon (mg/Nm³)	: 29.6 : 5.3	75
E. Pollution control Device Details of pollution control Device attached with the stack	: Nil	
Device attached with the Stack F. Remarks: PM Concentration is within the CPCB norms. Equipment Detail 1. Equipment Name 2. Model No 3. Make 4. Calibration Upto	: Stack Sampler : VSS 1 : Vayubodhan : 03.06.2019	

Consultancy Services Pvt. Lt

(An Enviro Engineering Consulting Cell)



ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.: Enufale/19/R-1653

Date: 54/54/19

ANALYSIS REPORT OF FLUE GAS

1. Name of the Industry

M/s. INFOSYS Ltd;

2. Address

Khurda.

3. Date of Sampling

26.03.2019

A. General Information about Stack 1. Stack Connected to 2. Emission due to 3. Material of Construction of stack 4. Shape of stack 5. Whether stack is provided with permanent platform & ladder 6. Generator capacity	DG Set-III Burning of Diesel MS Circular No 92.96 KVA	
B. Physical Characteristics of Stack: 1. Height of the stack from ground level 2. Diameter of the stack at bottom 3. Diameter of the stack at sampling point	: 3.5 mtrs. : 0.152 mtrs. 0.152 mtrs.	a
C. Analysis / Characteristic of Stack: 1. Fuel Used 2. Fuel consumption 1. Results of Sampling & Analysis of Gaseous Emission 1. Temperature of emission (°C) 2. Barometric pressure (mm of Hg) 3. Velocity of gas (m/sec.) 4. Quantity of gas flow (Nm³/hr.) 5. Concentration of Carbon monoxide (mg/Nm³) 6. Concentration of Sulphur dioxide (mg/Nm³) 7. Concentration of Nitrogen dioxide (mg/Nm³) 8. Concentration of particulate Matters (mg/Nm³) 9. Concentration of Non Methane Hydrocarbon (mg/Nm³)	: HSD : 25 Lit/Hr Result : 322.0 : 713 : 19.6 : 2125.6 : 29.8 : 36.9 : 35.6 : 37.8 : 6.3	CPCB Limit 150 710 75
E. Pollution control Device Details of pollution control Device attached with the stack F. Remarks: PM Concentration is within the CPCB norms. Equipment Detail 1. Equipment Name 2. Model No	: Nil : Stack Sampler : VSS 1 : Vayubodhan	
3. Make 4. Calibration Upto	: 03.06.2019	

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ISO 14001 : 2004 OHSAS 18001 : 2007

Ref.:

Enufab/19/R-1655

Date: 04/04/19

WATER QUALITY ANALYSIS REPORT FOR MARCH -2019

1. Name of the Industry

M/s INFOSYS Ltd; Khurda.

2. Sampling Location

W-2: After Commissioning of MBR

3. Date of Sampling

26.03.2019

4. Date of Analysis

27.03.2019 to 30.03.2019

5. Date of validity of Calibration

23.05.2019

6. Sample Collected By

VCSPL representative in presence of INFOSYS representative

			Analysis Results W-2	
Sl. No.	Parameter	Unit		
1	Total Suspended Solids as TSS	mg/L	11.3	
2	Turbidity	NTU	0.59	
3	Biochemical Oxygen Demand as BOD	mg/L	4.6	
4	Chemical Oxygen Demand as COD	mg/L	16.5	
5	Total Ammonia as NH ₃	mg/L	0.36	
6	Total Nitrogen as N-Total	mg/L	2.5	
7	Total Phosphorus as TP	mg/L	0.53	
8	Oil & Grease as O&G	mg/L	1.54	
9	Total Alkalinity as CaCO ₃	mg/L	57.8	
10	Silica as SiO ₂	mg/L	0.027	
11	Total Dissolved Solids as TDS	mg/L	125.6	
12	pH	-	7.58	
13	Total Hardness as TH	mg/L	120.4	
14	Total Coliform as TC	MPN/100 ml	2.1*10 ²	
15	Faecal Coliform as FC	MPN/100 ml	0.25*10 ²	

For Visionisk Consultation Services Pvt. Ltd.