



AMBIENT AIR QUALITY RESULTS

Name of the Client : **Prananath College**
Date of Monitoring : 17.01.2022
Date of Analysis : 18.01.2022

Pollutant	Concentration in Ambient Air					Instrument used and Method of Measurement
	Main gate	In front of Principal office	Ladies Hostel	Boys Hostel	Protocol	
Particulate Matter (PM ₁₀)	56.8	48.9	47.1	48.6	IS :5182(Pt 23)	Fine Particulate Sampler SLE/ FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	31.1	21.3	22.1	24.2	EPA Guideline	Fine Particulate Sampler SLE/ FPS 105 and Gravimetric
Sulfur dioxide (SO ₂)	6.2	10.6	10.8	10.4	IS :5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	13.7	13.2	12.4	13.8	IS :5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	384	302	302	329	NDIR	Non dispersive Infrared Spectrometry

Units: PM₁₀, PM_{2.5}, SO₂, NO_x and CO all in µg/m³

Permissible Standard: 100 µg/m³ (for PM₁₀)
60 µg/m³ (for PM_{2.5})
80 µg/m³ (for SO₂ & NO_x)
4000 µg/m³ (for CO)

For Global Tech Enviro Experts Pvt. Ltd.

*edp from
22-6-24*
Principal
Prananath College (Autonomous)
Khordha

(Authorised Signatory)

GLOBAL TECH. ENVIRO EXPERTS PVT. LTD.

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AMBIENT AIR QUALITY RESULTS

Name of the Client : Prananath College

Date of Monitoring : 18.01.2021

Date of Analysis : 19.01.2021

Pollutant	Concentration in Ambient Air					Instrument used and Method of Measurement
	Main gate	In front of Principal office	Ladies Hostel	Boys Hostel	Protocol	
Particulate Matter (PM ₁₀)	58.5	49.7	47.2	48.8	IS :5182(Pt 23)	Fine Particulate Sampler SLE/ FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	30.6	21.6	20.4	22.3	EPA Guideline	Fine Particulate Sampler SLE/ FPS 105 and Gravimetric
Sulfur dioxide (SO ₂)	8.8	8.3	9.3	9.9	IS :5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	14.7	14.2	11.8	12.8	IS :5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	325	306	301	317	NDIR	Non dispersive Infrared Spectrometry

Units: PM₁₀, PM_{2.5}, SO₂, NO_x and CO all in µg/m³

Permissible Standard: 100 µg/m³ (for PM₁₀)
60 µg/m³ (for PM_{2.5})
80 µg/m³ (for SO₂ & NO_x)
4000 µg/m³ (for CO)

For Global Tech Enviro Experts Pvt. Ltd

M.P. 6.24
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AMBIENT AIR QUALITY RESULTS

Name of the Client : Prananath College
Date of Monitoring : 16.01.2020
Date of Analysis : 17.01.2020

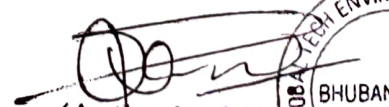
Pollutant	Concentration in Ambient Air				Protocol	Instrument used and Method of Measurement
	Main gate	In front of Principal office	Ladies Hostel	Boys Hostel		
Particulate Matter (PM ₁₀)	58.4	51.2	49.9	48.2	IS :5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	35.1	24.8	26.2	24.4	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur dioxide (SO ₂)	7.2	9.8	10.4	10.9	IS :5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	14.4	13.6	12.8	13.7	IS :5182(Pt 6)	Jacob & Hochheiser Modified(Na-Arsenite) Method
Carbon Monoxide(CO)	381	319	309	332	NDIR	Non dispersive Infrared Spectrometry


Units: PM₁₀, PM_{2.5}, SO₂, NO_x and CO all in $\mu\text{g}/\text{m}^3$

Permissible Standard: 100 $\mu\text{g}/\text{m}^3$ (for PM₁₀)
60 $\mu\text{g}/\text{m}^3$ (for PM_{2.5})
80 $\mu\text{g}/\text{m}^3$ (for SO₂ & NO_x)
4000 $\mu\text{g}/\text{m}^3$ (for CO)

W3 from
22/1/24
Prananath College (Autonomous)
Khordha

For Global Tech Enviro Experts Pvt. Ltd.


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AMBIENT AIR QUALITY RESULTS

Name of the Client : Prananath College
Date of Monitoring : 14.01.2019
Date of Analysis : 15.01.2019

Pollutant	Concentration in Ambient Air					Instrument used and Method of Measurement
	Main gate	In front of Principal office	Ladies Hostel	Boys Hostel	Protocol	
Particulate Matter (PM ₁₀)	57.8	51.9	49.6	51.4	IS :5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	34.5	29.7	24.4	30.9	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur dioxide (SO ₂)	9.6	10.5	10.7	10.5	IS :5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	16.2	14.5	13.9	12.4	IS :5182(Pt 6)	Jacob & Hochheiser Modified (Na-Arsenite) Method
Carbon Monoxide(CO)	388	319	312	332	NDIR	Non dispersive Infrared Spectrometry

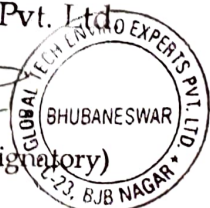
Units: PM₁₀, PM_{2.5}, SO₂, NO_x and CO all in µg/m³

Permissible Standard: 100 µg/m³ (for PM₁₀)
60 µg/m³ (for PM_{2.5})
80 µg/m³ (for SO₂ & NO_x)
4000 µg/m³ (for CO)

Pr. Prananath
22-6-21
Principal
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AMBIENT AIR QUALITY RESULTS

Name of the Client : Prananath College

Date of Monitoring : 15.01.2018

Date of Analysis : 17.01.2018

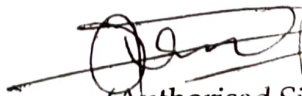
Pollutant	Concentration in Ambient Air					Instrument used and Method of Measurement
	Main gate	In front of Principal office	Ladies Hostel	Boys Hostel	Protocol	
Particulate Matter (PM ₁₀)	54.8	50.9	48.1	50.1	IS :5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	30.1	27.6	23.1	29.2	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur dioxide (SO ₂)	6.4	10.2	11.5	10.9	IS :5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	14.4	11.9	14.2	15.7	IS :5182(Pt 6)	Jacob & Hochheiser Modified (Na-Arsenite) Method
Carbon Monoxide(CO)	389	326	312	359	NDIR	Non dispersive Infrared Spectrometry

Units: PM₁₀, PM_{2.5}, SO₂, NO_x and CO all in $\mu\text{g}/\text{m}^3$

Permissible Standard: 100 $\mu\text{g}/\text{m}^3$ (for PM₁₀)
60 $\mu\text{g}/\text{m}^3$ (for PM_{2.5})
80 $\mu\text{g}/\text{m}^3$ (for SO₂ & NO_x)
4000 $\mu\text{g}/\text{m}^3$ (for CO)


Principal
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AMBIENT AIR QUALITY RESULTS

Name of the Client : Prananath College
Date of Monitoring : 17.01.2017
Date of Analysis : 18.01.2017


Pollutant	Concentration in Ambient Air				Protocol	Instrument used and Method of Measurement
	Main gate	In front of Principal office	Ladies Hostel	Boys Hostel		
Particulate Matter (PM ₁₀)	56.8	50.5	47.1	48.6	IS :5182(Pt 23)	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Particulate Matter (PM _{2.5})	31.1	24.6	22.1	24.2	EPA Guideline	Fine Particulate Sampler SLE/FPS 105 and Gravimetric
Sulfur dioxide (SO ₂)	6.2	9.5	10.8	10.4	IS :5182(Pt 2)	Spectrophotometric Analysis (West-Gaeke Method)
Oxides of Nitrogen (NO _x)	13.7	12.9	12.4	13.8	IS :5182(Pt 6)	Jacob & Hochheiser Modified (Na-Arsenite) Method
Carbon Monoxide(CO)	384	316	302	329	NDIR	Non dispersive Infrared Spectrometry

Units: PM₁₀, PM_{2.5}, SO₂, NO_x and CO all in $\mu\text{g}/\text{m}^3$

Permissible Standard: 100 $\mu\text{g}/\text{m}^3$ (for PM₁₀)
60 $\mu\text{g}/\text{m}^3$ (for PM_{2.5})
80 $\mu\text{g}/\text{m}^3$ (for SO₂ & NO_x)
4000 $\mu\text{g}/\text{m}^3$ (for CO)

Prananath
16.24
Principal
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For Global Tech Enviro Experts Pvt. Ltd.

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ANALYSIS REPORT OF DRINKING WATER

Name of the Industry : **Prananath College**
Date of Sampling : **22.10.2016**
Date of Analysis : **22.10.2016**
Sample Collected By : **Global Tech Enviro Experts Pvt. Ltd.**
Reference No. : **DW -32/16**

Sl. No	Parameters	Unit	Dug well	Bore well (Canteen-2)	Desirable Limits as per IS:10500 (Max)	Protocol
1	pH	-	6.68	7.13	6.5 - 8.5	IS:3025:PART11:1983
2	Colour	Hazen	1.5	1.1	5	IS:3025:PART04:1983
3	Odour	Un Objectionable	UO	UO	UO	IS:3025:PART05:1983
4	Taste		Agreeable	Agreeable	Agreeable	IS:3025:PART7&8:1984
5	Turbidity	NTU	1.8	1.2	5	IS:3025:PART10:1984
6	Total Hardness as CaCO ₃	mg/l	53	149	300	IS:3025:PART21:2009
7	Iron as Fe	mg/l	0.16	0.23	0.3	IS:3025:PART53:2003
8	Chloride as Cl	mg/l	11.3	14.9	250	IS:3025:PART32:1988
9	Residual Chlorine	mg/l	ND	ND	0.2	IS:3025:PART26:1986
10	Total Dissolved Solid	mg/l	77	241	500	IS:3025:PART15:1984
11	Calcium as Ca	mg/l	16.0	50.1	75	IS:3025:PART40:1991
12	Magnesium as Mg	mg/l	3.2	5.83	30	IS:3025:PART46:1994
13	Copper as Cu	mg/l	0.001	0.002	0.05	IS:3025:PART42:1992
14	Manganese as Mn	mg/l	<0.001	<0.001	0.1	IS:3025:PART59:2006
15	Sulphate as SO ₄	mg/l	2.9	6.1	200	IS:3025:PART24:1986
16	Nitrate as NO ₃ -N	mg/l	4.7	3.9	45	IS:3025:PART34:1988
17	Fluoride as F	mg/l	0.12	0.14	1.0	IS:3025:PART60:2008
18	Phenolic Compound C ₆ H ₅ OH	mg/l	ND	ND	0.001	IS:3025:PART43:1992
19	Mercury as Hg	mg/l	<0.001	<0.001	0.001	IS:3025:PART48:1994
20	Cadmium as Cd	mg/l	<0.001	0.001	0.01	IS:3025:PART41:1992
21	Selenium as Se	mg/l	ND	ND	0.01	IS:3025:PART56:2003
22	Arsenic as As	mg/l	ND	ND	0.02	IS:3025:PART37:1988
23	Cyanide as CN	mg/l	ND	ND	0.05	IS:3025:PART27:1986
24	Lead as Pb	mg/l	0.004	0.002	0.5	IS:3025:PART47:1994
25	Zinc as Zn	mg/l	0.008	0.014	5	IS:3025:PART49:1994
26	Anionic Detergent as MBAS	mg/l	ND	ND	0.2	IS:3025:PART03:1983
27	Chromium as Cr ⁶⁺	mg/l	<0.001	<0.001	0.05	IS:3025:PART52:2003
28	Mineral Oil	mg/l	ND	ND	0.01	IS:3025:PART57:2005
29	Pesticide	mg/l	Absent	Absent	Absent	IS:3025:PART60:2008
30	Aluminium as Al	mg/l	0.002	0.003	0.03	IS:3025:PART55:2003
31	Boron as B	mg/l	0.004	0.002	1	IS:3025:PART57:2005
32	Total Coliform	MPN/100	ND	ND	Absent	IS:3025:PART14:1983

ND:- Not Detected

For Global Tech Enviro Experts Pvt. Ltd.

Pr. Anon
22-10-2016
Principal
Prananath College (Autonomous)
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