



ISSUED TO

ADITYAPUR WASTE MANAGEMENT PVT LTD
Plot No: 43, Khata No: 529, Sinimore,
Ukri Road, Saraikella (Dist), Kharshwan,
Jharkhand-833220. INDIA.

Report Number : VLL/VLS/23/06190//022
Issue Date : 2023.07.25
P.O. No : 0400100694
PO Date :2023.06.23

1 of 1

Sample Name	Ambient Air Quality Monitoring
Sampling Location:	Near Transformer area
Test Required:	Particulate Matter(PM10), Particulate Matter(PM2.5), Sulphur dioxide as SO ₂ , Nitrogen dioxides as NO ₂ , Ozone (O ₃), Carbon monoxide (CO), Ammonia (NH ₃), Lead (Pb), Arsenic (As), Nickel (Ni), Benzene (C ₆ H ₆) and Benzo (A) Pyrene (BaP).
Sampling Date:	2023.07.01
Analysis Starting Date:	2023.07.03
Sampling Duration (minutes)	1440

TEST RESULTS

Sr. No	Test parameters	UoM	Method of Testing	Results	NAAQS Limits
1	Particulate Matter as PM10	µg/m ³	IS-5182(P-23)	43.1	100
2	Particulate Matter as PM2.5	µg/m ³	IS-5182(P-24)	25.2	60
3	Sulphur dioxide as SO ₂	µg/m ³	IS-5182 (Part-02)	15.5	80
4	Nitrogen dioxide as NO ₂	µg/m ³	IS-5182 (Part-06)	18.1	80
5	Ozone (O ₃)	µg/m ³	Method-411	11.6	100
6	Carbon monoxide (CO)	mg/m ³	IS-5182 (Part-10)	0.351	02
7	Ammonia (NH ₃)	µg/m ³	Indophenol Blue Method	BDL	400
8	Lead (Pb)	µg/m ³	IS-5182 (Part-22)	BDL	01
9	Arsenic (As)	ng/m ³	IS-5182 (Part-22)	BDL	06
10	Nickel (Ni)	ng/m ³	IS-5182 (Part-22)	BDL	20
11	Benzene (C ₆ H ₆)	µg/m ³	ASTM D 3686-95	BDL	05
12	Benzo (A) Pyrene (BaP)	ng/m ³	USEPA 8270D	BDL	01

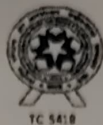
Remarks:

Carbon Monoxide detectable Limit 10µg/m³
Lead Detectable Limit 0.01µg/m³
Arsenic and Nickel Detectable Limit 2ng/m³
Benzene Detectable Limit 2 µg/m³
B(a)P Detectable Limit 0. 2ng/m³

-END OF THE REPORT -

Name and Designation of Authorized Signatory

Dr. Subba Reddy Mallampati
Manager -Environment



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ADITYAPUR WASTE MANAGEMENT PVT LTD
Plot No: 43, Khata No: 529, Sinimore,
Ukri Road, Saraikella (Dist), Kharshwan,
Jharkhand-833220. INDIA.

Report Number : VLL/VLS/23/06190//019
Issue Date : 2023.07.25
P.O. No : 0400100694
PO Date :2023.06.23

1 of 1

Sample Name	Ambient Air Quality Monitoring
Sampling Location:	Near Main Gate
Test Required:	Particulate Matter(PM10), Particulate Matter(PM2.5), Sulphur dioxide as SO2, Nitrogen dioxides as NO2,Ozone (O3),Carbon monoxide (CO),Ammonia (NH3),Lead (Pb),Arsenic (As),Nickel (Ni),Benzene (C6H6) and Benzo (A) Pyrene (BaP).
Sampling Date:	2023.06.30
Analysis Starting Date:	2023.07.03
Sampling Duration (minutes)	1440

TEST RESULTS

Sr. No	Test parameters	UoM	Method of Testing	Results	NAAQS Limits
1	Particulate Matter as PM10	µg/m ³	IS-5182(P-23)	41.9	100
2	Particulate Matter as PM2.5	µg/m ³	IS-5182(P-24)	25.1	60
3	Sulphur dioxide as SO2	µg/m ³	IS-5182 (Part-02)	15.5	80
4	Nitrogen dioxide as NO2	µg/m ³	IS-5182 (Part-06)	19.1	80
5	Ozone (O3)	µg/m ³	Method-411	10.9	100
6	Carbon monoxide (CO)	mg/m ³	IS-5182 (Part-10)	0.391	02
7	Ammonia (NH3)	µg/m ³	Indophenol Blue Method	BDL	400
8	Lead (Pb)	µg/m ³	IS-5182 (Part-22)	BDL	01
9	Arsenic (As)	ng/m ³	IS-5182 (Part-22)	BDL	06
10	Nickel (Ni)	ng/m ³	IS-5182 (Part-22)	BDL	20
11	Benzene (C6H6)	µg/m ³	ASTM D 3686-95	BDL	05
12	Benzo (A) Pyrene (BaP)	ng/m ³	USEPA 8270D	BDL	01

Remarks:

Carbon Monoxide detectable Limit 10µg/m³
Lead Detectable Limit 0.01µg/m³
Arsenic and Nickel Detectable Limit 2ng/m³
Benzene Detectable Limit 2 µg/m³
B(a)P Detectable Limit 0.2ng/m³

-END OF THE REPORT -

Name and Designation of Authorized Signatory

Dr. Subba Reddy Mallampati
Manager- Environment

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Vimta

Driven by Quality. Inspired by Science.

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Plot No: 43, Khata No: 529, Sinimore,
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Jharkhand-833220. INDIA.

Report Number : VLL/VLS/23/06190//018
Issue Date : 2023.07.25
P.O. No : 0400100694
PO Date : 2023.06.23

1 of 1

Sample Name:	Ambient Air Quality Monitoring
Sampling Location:	Near Landfill Area
Test Required:	Particulate Matter(PM10), Particulate Matter(PM2.5), Sulphur dioxide as SO2, Nitrogen dioxides as NO2, Ozone (O3), Carbon monoxide (CO), Ammonia (NH3), Lead (Pb), Arsenic (As), Nickel (Ni), Benzene (C6H6) and Benzo (A) Pyrene (BaP).
Sampling Date:	2023.06.30
Analysis Starting Date:	2023.07.03
Sampling Duration (minutes)	1440

TEST RESULTS

Sr. No	Test parameters	UoM	Method of Testing	Results	NAAQS Limits
1	Particulate Matter as PM10	$\mu\text{g}/\text{m}^3$	IS-5182(P-23)	59.6	100
2	Particulate Matter as PM2.5	$\mu\text{g}/\text{m}^3$	IS-5182(P-24)	36.9	60
3	Sulphur dioxide as SO2	$\mu\text{g}/\text{m}^3$	IS-5182 (Part-02)	13.6	80
4	Nitrogen dioxide as NO2	$\mu\text{g}/\text{m}^3$	IS-5182 (Part-06)	19.1	80
5	Ozone (O3)	$\mu\text{g}/\text{m}^3$	Method-411	10.5	100
6	Carbon monoxide (CO)	mg/m^3	IS-5182 (Part-10)	0.450	02
7	Ammonia (NH3)	$\mu\text{g}/\text{m}^3$	Indophenol Blue Method	BDL	400
8	Lead (Pb)	$\mu\text{g}/\text{m}^3$	IS-5182 (Part-22)	BDL	01
9	Arsenic (As)	ng/m^3	IS-5182 (Part-22)	BDL	06
10	Nickel (Ni)	ng/m^3	IS-5182 (Part-22)	BDL	20
11	Benzene (C6H6)	$\mu\text{g}/\text{m}^3$	ASTM D 3686-95	BDL	05
12	Benzo (A) Pyrene (BaP)	ng/m^3	USEPA 8270D	BDL	01

Remarks:

Carbon Monoxide detectable Limit $10\mu\text{g}/\text{m}^3$
Lead Detectable Limit $0.01\mu\text{g}/\text{m}^3$
Arsenic and Nickel Detectable Limit $2\text{ng}/\text{m}^3$
Benzene Detectable Limit $2\mu\text{g}/\text{m}^3$
B(a)P Detectable Limit $0.2\text{ng}/\text{m}^3$

-END OF THE REPORT -

Name and Designation of Authorized Signatory

Dr. SubbaReddy Mallampati
Manager -Environment