



greener future...

M/s. GREENZONE

Recognised By
Pollution Control Board, Assam



AN ISO 9001:2015 & ISO 45001:2018 CERTIFIED LAB

TEST REPORT

Report No: AAQ/CI/25/04/00006

Date of Report:25/04/2025

Sample ID No: GZ/CI/AAQ-46/25

Contract No-GEMC-511687720964763,Dated-08.07.2024

Name & Address of Client	NORTH EASTERN COALFIELDS COAL INDIA LIMITED, Margherita-786181,Dist. Tinsukia, Assam			
Sample Description	Type: Ambient Air Sample	Source: Mine Area (Near Workshop), Tikak Extension OCP		
Sample collected by	Debupom Baruah, Greenzone			
Sample Collection Particulars	Start Date 17/04/2025	End Date 18/04/2025	Ambient Temperature 28°C	Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	23.6	µg /m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	55.2	µg /m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	16.5	µg /m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	28.8	µg /m ³	80 (24 Hours Average)
05	Ozone(as O ₃)	BDL[MDL:1.0]*	µg /m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg /m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg /m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg /m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg /m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng /m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng /m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng /m ³	20 (Annual Average)

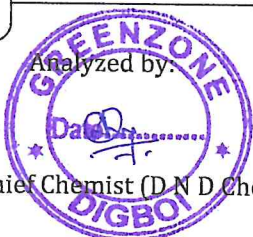
*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.



Chief Chemist (D N D Choudhury)

Reviewed & Authorized By:

Quality Manager
Quality Manager (Digboi)

End of report



greener future...

M/s. GREENZONE

Recognised By
Pollution Control Board, Assam



AN ISO 9001:2015 & ISO 45001:2018 CERTIFIED LAB

TEST REPORT

Report No: AAQ/CI/25/04/00007

Date of Report: 25/05/2025

Sample ID No: GZ/CI/AAQ-47/25

Contract No-GEMC-511687720964763, Dated-08.07.2024

Name & Address of Client	NORTH EASTERN COALFIELDS COAL INDIA LIMITED, Margherita-786181, Dist. Tinsukia, Assam			
Sample Description	Type: Ambient Air Sample	Source: Near Malugaon No.2 (Tikak Extension OCP)		
Sample collected by	Debupom Baruah, Greenzone			
Sample Collection Particulars	Start Date 18/04/2025	End Date 19/04/2025	Ambient Temperature 29°C	Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	12.4	µg /m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	39.8	µg /m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	10.6	µg /m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	17.4	µg /m ³	80 (24 Hours Average)
05	Ozone(as O ₃)	BDL[MDL:1.0]*	µg /m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg /m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg /m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg /m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg /m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng /m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng /m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng /m ³	20 (Annual Average)

*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.



Chief Chemist (D N D Choudhury)

Reviewed & Authorized By:

Quality Manager
Greenzone, Digboi
Quality Manager (Pulakesh Dung)

End of report

TEST REPORT

Report No: AAQ/CI/25/04/00008

Date of Report: 25/05/2025

Sample ID No: GZ/CI/AAQ-48/25

Contract No-GEMC-511687720964763, Dated-08.07.2024

Name & Address of Client		NORTH EASTERN COALFIELDS COAL INDIA LIMITED, Margherita-786181, Dist. Tinsukia, Assam		
Sample Description		Type: Ambient Air Sample	Source: Residential Colony of Tikak Colliery (Tikak Extension OCP)	
Sample collected by		Debupom Baruah, Greenzone		
Sample Collection Particulars		Start Date 18/04/2025	End Date 19/04/2025	Ambient Temperature 29°C
				Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	13.4	µg /m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	37.6	µg /m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	8.8	µg /m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	16.4	µg /m ³	80 (24 Hours Average)
05	Ozone(as O ₃)	BDL[MDL:1.0]*	µg /m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg /m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg /m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg /m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg /m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng /m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng /m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng /m ³	20 (Annual Average)

*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.

Analyzed by:

Date: _____
Chief Chemist (D N D Choudhury)

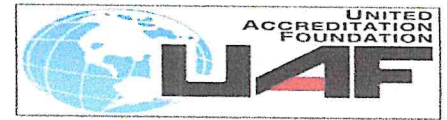
Reviewed & Authorized By:


Quality Manager
Greenzone, Digboi

End of report



greener future...

M/s. GREENZONERecognised By
Pollution Control Board, Assam

AN ISO 9001:2015 & ISO 45001:2018 CERTIFIED LAB

TEST REPORT

Report No: AAQ/CI/25/04/00005

Date of Report: 25/04/2025

Sample ID No: GZ/CI/AAQ-45/25

Contract No-GEMC-511687720964763, Dated-08.07.2024

Name & Address of Client	NORTH EASTERN COALFIELDS COAL INDIA LIMITED, Margherita-786181, Dist. Tinsukia, Assam			
Sample Description	Type: Ambient Air Sample	Source: Kolpara Gaon (Near Panchayat Office), Tikak Extension OCP		
Sample collected by	Debupom Baruah, Greenzone			
Sample Collection Particulars	Start Date 17/04/2025	End Date 18/04/2025	Ambient Temperature 28°C	Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	12.4	µg /m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	38.8	µg /m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	9.2	µg /m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	16.8	µg /m ³	80 (24 Hours Average)
05	Ozone (as O ₃)	BDL[MDL:1.0]*	µg /m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg /m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg /m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg /m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg /m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng /m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng /m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng /m ³	20 (Annual Average)

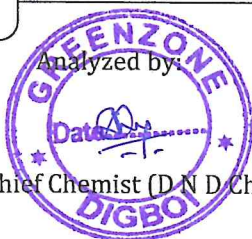
*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.



Chief Chemist (D N D Choudhury)

Reviewed & Authorized By:

 Quality Manager
 Greenzone, Digboi

End of report



greener future...

M/s. GREENZONE

Recognised By
Pollution Control Board, Assam



AN ISO 9001:2015 & ISO 45001:2018 CERTIFIED LAB

TEST REPORT

Report No: AAQ/CI/25/06/00006

Date of Report:10/06/2025

Sample ID No: GZ/CI/AAQ-66/25

Contract No-GEMC-511687720964763,Dated-08.07.2024

Name & Address of Client	NORTH EASTERN COALFIELDS COAL INDIA LIMITED , Margherita-786181,Dist. Tinsukia ,Assam			
Sample Description	Type: Ambient Air Sample	Source: Mine Area (Near Workshop), Tikak Extension OCP		
Sample collected by	Debupom Baruah, Greenzone			
Sample Collection Particulars	Start Date 04/06/2025	End Date 05/06/2025	Ambient Temperature 30°C	Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	24.2	µg /m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	56.8	µg /m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	17.2	µg /m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	27.4	µg /m ³	80 (24 Hours Average)
05	Ozone(as O ₃)	BDL[MDL:1.0]*	µg /m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg /m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg /m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg /m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg /m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng /m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng /m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng /m ³	20 (Annual Average)

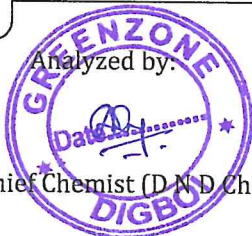
*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.



Analyzed by:
Chief Chemist (D.N.D Choudhury)

Reviewed & Authorized By:

Quality Manager
Purakesh Dung

End of report

AN ISO 9001:2015 & ISO 45001:2018 CERTIFIED LAB

TEST REPORT

Report No: AAQ/CI/25/06/00007

Date of Report: 10/06/2025

Sample ID No: GZ/CI/AAQ-67/25

Contract No-GEMC-511687720964763, Dated-08.07.2024

Name & Address of Client		NORTH EASTERN COALFIELDS COAL INDIA LIMITED, Margherita-786181, Dist. Tinsukia, Assam		
Sample Description	Type: Ambient Air Sample	Source: Near Malugaon No.2 (Tikak Extension OCP)		
Sample collected by	Debupom Baruah, Greenzone			
Sample Collection Particulars	Start Date 05/06/2025	End Date 06/06/2025	Ambient Temperature 31°C	Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	11.6	µg/m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	38.2	µg/m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	9.8	µg/m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	15.4	µg/m ³	80 (24 Hours Average)
05	Ozone (as O ₃)	BDL[MDL:1.0]*	µg/m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg/m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg/m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg/m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg/m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng/m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng/m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng/m ³	20 (Annual Average)

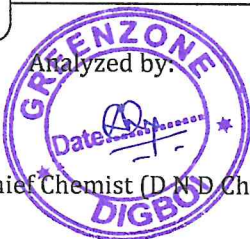
*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.



Chief Chemist (D.N.D Choudhury)

Reviewed & Authorized By:

(Signature)
Quality Manager (Pulakesh Dung)
Greenzone, Digboi

End of report

TEST REPORT

Report No: AAQ/CI/25/06/00008

Date of Report: 10/06/2025

Sample ID No: GZ/CI/AAQ-68/25

Contract No-GEMC-511687720964763, Dated-08.07.2024

Name & Address of Client	NORTH EASTERN COALFIELDS COAL INDIA LIMITED, Margherita-786181, Dist. Tinsukia, Assam			
Sample Description	Type: Ambient Air Sample	Source: Residential Colony of Tikak Colliery (Tikak Extension OCP)		
Sample collected by	Debupom Baruah, Greenzone			
Sample Collection Particulars	Start Date 05/06/2025	End Date 06/06/2025	Ambient Temperature 31°C	Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	11.8	µg /m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	36.2	µg /m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	8.2	µg /m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	15.4	µg /m ³	80 (24 Hours Average)
05	Ozone (as O ₃)	BDL[MDL:1.0]*	µg /m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg /m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg /m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg /m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg /m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng /m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng /m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng /m ³	20 (Annual Average)

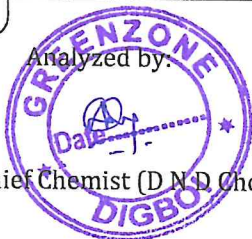
*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.



Analyzed by:
Date: 10/06/2025
Chief Chemist (D.N.D. Choudhury)

Reviewed & Authorized By:


Quality Manager
Greenzone, Digboi

End of report

TEST REPORT

Report No: AAQ/CI/25/06/00005

Date of Report: 10/06/2025

Sample ID No: GZ/CI/AAQ-65/25

Contract No-GEMC-511687720964763, Dated-08.07.2024

Name & Address of Client		NORTH EASTERN COALFIELDS COAL INDIA LIMITED, Margherita-786181, Dist. Tinsukia, Assam		
Sample Description	Type: Ambient Air Sample	Source: Kolpara Gaon (Near Panchayat Office), Tikak Extension OCP		
Sample collected by	Debupom Baruah, Greenzone			
Sample Collection Particulars	Start Date 04/06/2025	End Date 05/06/2025	Ambient Temperature 31°C	Analysis Protocol: IS 5182

ANALYSIS REPORT

Sl. No.	Parameters	Results	Units	Limit as per NAAQS:2009
01	Particulate Matter (size less than 2.5 µm) or PM _{2.5}	13.2	µg /m ³	60 (24 Hours Average)
02	Particulate Matter (size less than 10 µm) PM ₁₀	36.6	µg /m ³	100 (24 Hours Average)
03	Sulphur Dioxide (as SO ₂)	10.5	µg /m ³	80 (24 Hours Average)
04	Nitrogen Dioxide (as NO ₂)	15.4	µg /m ³	80 (24 Hours Average)
05	Ozone (as O ₃)	BDL[MDL:1.0]*	µg /m ³	100 (8 Hours Average)
06	Lead (as Pb)	BDL[MDL: 0.01]*	µg /m ³	1.0 (24 Hours Average)
07	Carbon Monoxide (as CO)	BDL[MDL:0.01]*	mg /m ³	4.0 (1 Hours Average)
08	Ammonia (as NH ₃)	BDL[MDL:5.0]*	µg /m ³	400 (24 Hours Average)
09	Benzene (as C ₆ H ₆)	BDL[MDL: 0.01]*	µg /m ³	5.0 (Annual Average)
10	Benzo(a)Pyrene (as BaP)- Particulate Phase Only	BDL[MDL: 0.1]*	ng /m ³	1.0 (Annual Average)
11	Arsenic (as As)	BDL[MDL: 0.01]*	ng /m ³	6.0 (Annual Average)
12	Nickel (as Ni)	BDL[MDL: 0.01]*	ng /m ³	20 (Annual Average)

*BDL : Below Detection Limit , *MDL: Minimum Detection Limit

NAAQS-National Ambient Air Quality Standard

Remarks: Nil

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. Remnant sample will be destroyed after 20 days from the date of receipt of sample.
4. This test report shall not be reproduced wholly or partly and cannot be used as an evidence in the court of law and should not be used in any advertising media without the written permission of M/S GREENZONE ENVIRONMENTAL LABORATORY, Digboi.

Analyzed by:

Chief Chemist (D N D Choudhury)



Reviewed & Authorized By:


Quality Manager
Greenzone, Digboi

End of report