



Analyzing for an Assured Future

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Test Report of Ambient Noise	Report Code AN-050424-05	Date of Issue 10/04/2024
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Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

SAMPLING & ANALYSIS DATA

Sample Drawn On : 04/04/2024
Sample Drawn By : NTL Representative
Sample Received On : 05/04/2024
Sampling Location : Near Mine Site

RESULTS

S. No	Test Parameters	Results	Units	Requirement (as per CPCB Guidelines Limits in dB (A) Leq		
				Category of Area/ Zone	Day Time	Night Time
1.	L _{day} (6.0 AM TO 10.0 PM)	60.8	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
2.	L _{night} (10.0 PM TO 6.0 AM)	45.2	dB(A)	Residential Area	55	45
				Silence Zone	50	40

Notes: -

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

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Authorized Signatory
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com



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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Water	W-050424-07	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn By : NTL Representative
 Sample Drawn On : 04/04/2024
 Sample Received On : 05/04/2024
 Sample Quantity : 2.0 Lt.
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sample Description : Water Sample Collected from Bore well

RESULTS

Essential test as per IS:10500-2012

S.No.	Parameter	Test Method	Results	Units	Desirable Limit	Extended Limit
1.	pH	IS:3025(Part-11)	7.48	-	6.5 – 8.5	-
2.	Colour	IS:3025(Part-4)	<5.00	Hazen	5	15
3.	Odour	IS:3025(Part-5)	Agreeable	-	Agreeable	Agreeable
4.	Taste	IS:3025(Part-8)	Agreeable	-	Agreeable	-
5.	Turbidity	IS:3025(Part-10)	<1.00	NTU	1	5
6.	Total Hardness (as CaCO ₃)	IS:3025(Part-21)	189.80	mg/l	200	600
7.	Chloride (as Cl)	IS:3025(Part-32)	76.50	mg/l	250	1000
8.	Calcium (as Ca)	IS: 3025 (P- 40)	54.10	mg/l	75	200
9.	Iron (as Fe)	IS:3025(Part-52)	0.032	mg/l	1	No Relaxation
10.	Nitrate (as NO ₃)	IS: 3025 (P- 34)	2.05	mg/l	45	No Relaxation
11.	Total Dissolved Solid	IS:3025(Part-16)	412.0	mg/l	500	2000
12.	Alkalinity (as Ca CO ₃)	IS: 3025 (P- 23)	174.0	mg/l	200	600
13.	Total Suspended Solid	IS:3025(Part-17)	<1.00	mg/l	-	-
14.	Sulphate (as SO ₄)	IS: 3025 (P- 24)	25.50	mg/l	200	400

MICROBIOLOGICAL REQUIREMENT

RESULTS

S.No.	Parameter	Test Method	Results	Required as per IS-10500:2012
1.	<i>Escherichia coli</i>	IS-15185	Absent	Absent/100ml
2.	<i>Coliform Bacteria</i>	IS-15185	Absent	Absent/100ml

Notes: -

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-01	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 03/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : Core Zone
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT					
S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	60.16	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	23.89	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	10.05	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	20.27	µg /m ³	80.0

Notes: -

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-02	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 03/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : Bathia Village
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	56.08	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	21.45	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	9.80	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	18.60	µg /m ³	80.0

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-03	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 04/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : **Karaundi Village**
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT					
S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	55.12	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	18.36	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	9.54	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	18.72	µg /m ³	80.0

Notes: -

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-04	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 04/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : **Nadan Village**
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	67.45	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	32.50	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	9.80	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	20.94	µg /m ³	80.0

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-05	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 04/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : Kanchanpur Village
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	63.12	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	25.01	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	10.89	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	23.12	µg /m ³	80.0

Notes: -

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TEST CERTIFICATE

Test Report of Ambient Noise	Report Code AN-050424-05	Date of Issue 10/04/2024
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Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

SAMPLING & ANALYSIS DATA

Sample Drawn On : 04/04/2024
Sample Drawn By : NTL Representative
Sample Received On : 05/04/2024
Sampling Location : Near Mine Site

RESULTS

S. No	Test Parameters	Results	Units	Requirement (as per CPCB Guidelines Limits in dB (A) Leq		
				Category of Area/ Zone	Day Time	Night Time
1.	L _{day} (6.0 AM TO 10.0 PM)	60.8	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
2.	L _{night} (10.0 PM TO 6.0 AM)	45.2	dB(A)	Residential Area	55	45
				Silence Zone	50	40

Notes: -

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Water	W-050424-07	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn By : NTL Representative
 Sample Drawn On : 04/04/2024
 Sample Received On : 05/04/2024
 Sample Quantity : 2.0 Lt.
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sample Description : Water Sample Collected from Bore well

RESULTS

Essential test as per IS:10500-2012

S.No.	Parameter	Test Method	Results	Units	Desirable Limit	Extended Limit
1.	pH	IS:3025(Part-11)	7.48	-	6.5 – 8.5	-
2.	Colour	IS:3025(Part-4)	<5.00	Hazen	5	15
3.	Odour	IS:3025(Part-5)	Agreeable	-	Agreeable	Agreeable
4.	Taste	IS:3025(Part-8)	Agreeable	-	Agreeable	-
5.	Turbidity	IS:3025(Part-10)	<1.00	NTU	1	5
6.	Total Hardness (as CaCO ₃)	IS:3025(Part-21)	189.80	mg/l	200	600
7.	Chloride (as Cl)	IS:3025(Part-32)	76.50	mg/l	250	1000
8.	Calcium (as Ca)	IS: 3025 (P- 40)	54.10	mg/l	75	200
9.	Iron (as Fe)	IS:3025(Part-52)	0.032	mg/l	1	No Relaxation
10.	Nitrate (as NO ₃)	IS: 3025 (P- 34)	2.05	mg/l	45	No Relaxation
11.	Total Dissolved Solid	IS:3025(Part-16)	412.0	mg/l	500	2000
12.	Alkalinity (as Ca CO ₃)	IS: 3025 (P- 23)	174.0	mg/l	200	600
13.	Total Suspended Solid	IS:3025(Part-17)	<1.00	mg/l	-	-
14.	Sulphate (as SO ₄)	IS: 3025 (P- 24)	25.50	mg/l	200	400

MICROBIOLOGICAL REQUIREMENT

RESULTS

S.No.	Parameter	Test Method	Results	Required as per IS-10500:2012
1.	<i>Escherichia coli</i>	IS-15185	Absent	Absent/100ml
2.	<i>Coliform Bacteria</i>	IS-15185	Absent	Absent/100ml

Notes: -

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-01	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 03/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : Core Zone
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT					
S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	60.16	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	23.89	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	10.05	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	20.27	µg /m ³	80.0

Notes: -

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-02	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 03/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : Bathia Village
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	56.08	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	21.45	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	9.80	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	18.60	µg /m ³	80.0

Notes: -

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Checked BY

AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com



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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-03	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 04/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : **Karaundi Village**
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT					
S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	55.12	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	18.36	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	9.54	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	18.72	µg /m ³	80.0

Notes: -

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AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-04	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 04/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : **Nadan Village**
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	67.45	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	32.50	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	9.80	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	20.94	µg /m ³	80.0

Notes: -

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050424-05	10/04/2024

Issued To: M/s S.N.S. (Minerals) Pvt. Ltd.

Name of Mine: Tamoriya Limestone & Dolomite Mine, Area- 42.567 Hect.,

Location: Village-Tamoriya, Tehsil- Maihar, District- Satna (M.P.)

Sampling & Analysis Data

Sample Drawn On : 04/04/2024
 Sample Drawn By : NTL Representative
 Sampling Location : Kanchanpur Village
 Sampling Plan & Procedure : SOP-AAQ/08
 Analysis Duration : 05/04/2024 to 10/04/2024
 Sampling Instrument Used : RDS Sampler, FPS Sampler
 Weather Condition : Clear

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	63.12	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	25.01	µg /m ³	60.0
3.	Sulphur Dioxide	IS:5182 Part-II	10.89	µg /m ³	80.0
4.	Nitrogen Dioxide	IS:5182 Part-VI	23.12	µg /m ³	80.0

Notes: -

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S.N.S. (MINERALS) PRIVATE LIMITED, MAIHAR
Tamoriya Limestone & Dolomite Mine, Area 42.567 ha

Air Quality Index

S.N.	PARAMETERS	RESULT	UNIT	AS PER MPPCB
1	Particulate Matter (MP ₁₀)	60.19	ug/m ³	100.0
2	Particulate Matter (MP _{2.5})	24.02	ug/m ³	60.0
3	Sulphar Dioxide	9.25	ug/m ³	80.0
4	Nitrogen Dioxide	16.38	ug/m ³	80.0

Water Quality Index

As per IS:10500-2012

PARAMETERS	RESULT	DESIRABLE LIMIT
pH	7.35	6.5-8.5

Noise Quality Index

S.No.	TEST PARAMETER	RESULT	UNIT REQUIREMENT(as per CPCB Guidelines Limits in dB(A) Leq)		
1.	L _{DAY} (6.0 AM to 10.0 PM)	58.5	CATEGORY OF AREA ZONE	DAY TIME	NIGHT TIME
			Industrial Area	75	70
2.	L _{NIGHT} (10.0 PM to 6.0 PM)	43.1	Commercial Area	65	55
			Residential Area	55	45
			Silence Zone	50	40