



## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	Report No.	: QLS/P-19/25-26/C/01
<b>M/s. Delhi MSW Solution Limited</b>	Date	: 21.04.2025
Village – Sendri. Mahamaya Vihar,	Sample No.	: QLS/P-19/25-26/01
Ware House Road,	Date of Performance(s)	: 18-21.04.2025
Bilaspur (CG).	Sample Submitted on	: 18.04.2025
	Sample Description	: Ambient Air
	Ref No. Date	: Mail Confirmation

## Analysis Result

Location : Near 75 mm Trommel			Date of sampling : 11-12.04.2025	
Environmental Condition : Clear & Sunny			Sampling done as per : CPCB Guidelines (Volume-1)	
Sampling Done by: Akhilesh Mathankar (Our Laboratory Representative)				
Sl. No.	POLLUTANT	RESULT	LIMIT	METHOD OF TEST REFERENCE
1	Particulate matter (<10µm) in µg/m³	81	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m³	42	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO₂) in µg/m³	14.8	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO₂) in µg/m³	38.5	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in mg/m³	0.892	2	IS 5182 (Part -10) Reff 2019
6	Carbon dioxide (CO₂) in %	<0.2	---	ORSAT
7	Ammonia (NH₃) in µg/m³	88.9	400	IS 5182 (Part-25) Reff 2018
8	Ozone (O₃) in µg/m³	52.3	180	IS 5182 (Part-9) Reff 2019
9	Lead (Pb) in µg/m³	0.17	1	IS 5182 (Part-22) Reff 2019
10	Nickel (Ni) in ng/m³	5.5	20	IS 5182 (Part-26) Reff 2020
11	Arsenic (As) in ng/m³	<1.0	6	Air Sampling, 3 <sup>rd</sup> Edn. Method 402 and APHA 23 <sup>rd</sup> Edition Part 3114C
12	Benzene (C₆H₆) in µg/m³	<2.0	5	IS 5182 (Part-11) Reff 2022
13	Benzo (a) pyrene in ng/m³	<1.0	1	IS 5182 (Part-12) Reff 2019
14	Hydrogen Sulphide (H₂S) in µg/m³	13.5	---	IS: 5182 (Part- 7) Reff 2021
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

*[Signature]*

for Qualissure Laboratory Services

Reviewed & Authorized By



Benimadhab Gorai, Chemist  
(Authorized Signatory)

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DOC NO : QLS/SAMP/08-A/00

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	Report No.	: QLS/P-19/25-26/C/02
<b>M/s. Delhi MSW Solution Limited</b>	Date	: 21.04.2025
Village – Sendri. Mahamaya Vihar,	Sample No.	: QLS/P-19/25-26/02
Ware House Road,	Date of Performance(s)	: 18-21.04.2025
Bilaspur (CG).	Sample Submitted on	: 18.04.2025
	Sample Description	: Ambient Air
	Ref No. Date	: Mail Confirmation.

## Analysis Result

Location : Near Main Gate		Date of sampling : 11-12.04.2025		
Environmental Condition : Clear & Sunny		Sampling done as per : CPCB Guidelines (Volume-1)		
Sampling Done by: Akhilesh Mathankar (Our Laboratory Representative)				
Sl. No.	POLLUTANT	RESULT	LIMIT	METHOD OF TEST REFERENCE
1	Particulate matter (<10µm) in µg/m³	76	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m³	43	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO₂) in µg/m³	14.6	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO₂) in µg/m³	37.1	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in mg/m³	1.007	2	IS 5182 (Part -10) Reff 2019
6	Carbon dioxide (CO₂) in %	<0.2	---	ORSAT
7	Ammonia (NH₃) in µg/m³	37.4	400	IS 5182 (Part-25) Reff 2018
8	Ozone (O₃) in µg/m³	45.8	180	IS 5182 (Part-9) Reff 2019
9	Lead (Pb) in µg/m³	0.24	1	IS 5182 (Part-22) Reff 2019
10	Nickel (Ni) in ng/m³	<4.0	20	IS 5182 (Part-26) Reff 2020
11	Arsenic (As) in ng/m³	<1.0	6	Air Sampling, 3 <sup>rd</sup> Edn. Method 402 and APHA 23 <sup>rd</sup> Edition Part 3114C
12	Benzene (C₆H₆) in µg/m³	<2.0	5	IS 5182 (Part-11) Reff 2022
13	Benzo (a) pyrene in ng/m³	<1.0	1	IS 5182 (Part-12) Reff 2019
14	Hydrogen Sulphide (H₂S) in µg/m³	10.6	---	IS: 5182 (Part- 7) Reff 2021
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

*Reda*

for Qualissure Laboratory Services  
Reviewed & Authorized By



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## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> <b>M/s. Delhi MSW Solution Limited</b> Village – Sendri. Mahamaya Vihar, Ware House Road, Bilaspur (CG).	Report No.	: QLS/P-19/25-26/C/03
	Date	: 21.04.2025
	Sample No.	: QLS/P-19/25-26/03
	Date of Performance(s)	: 18-21.04.2025
	Sample Submitted on	: 18.04.2025
	Sample Description	: Ambient Air
	Ref No. Date	: Mail Confirmation

## Analysis Result

Location : Near MEE Plant			Date of sampling : 11-12.04.2025	
Environmental Condition : Clear & Sunny			Sampling done as per : CPCB Guidelines (Volume-1)	
Sampling Done by: Akhilesh Mathankar (Our Laboratory Representative)				
Sl. No.	POLLUTANT	RESULT	LIMIT	METHOD OF TEST REFERENCE
1	Particulate matter (<10µm) in µg/m <sup>3</sup>	69	100	IS 5182 (Part-23) Reff 2022
2	Particulate matter (<2.5µm) in µg/m <sup>3</sup>	34	60	IS 5182 (Part-24) Reff 2024
3	Sulphur dioxide (SO <sub>2</sub> ) in µg/m <sup>3</sup>	10.8	80	IS 5182(Part -2) Reff 2023
4	Nitrogen dioxide (NO <sub>2</sub> ) in µg/m <sup>3</sup>	33.95	80	IS 5182 (Part -6) Reff 2017
5	Carbon Monoxide (CO) in mg/m <sup>3</sup>	0.595	2	IS 5182 (Part -10) Reff 2019
6	Carbon dioxide (CO <sub>2</sub> ) in %	<0.2	---	ORSAT
7	Ammonia (NH <sub>3</sub> ) in µg/m <sup>3</sup>	58.2	400	IS 5182 (Part-25) Reff 2018
8	Ozone (O <sub>3</sub> ) in µg/m <sup>3</sup>	60.7	180	IS 5182 (Part-9) Reff 2019
9	Lead (Pb) in µg/m <sup>3</sup>	0.11	1	IS 5182 (Part-22) Reff 2019
10	Nickel (Ni) in ng/m <sup>3</sup>	4.6	20	IS 5182 (Part-26) Reff 2020
11	Arsenic (As) in ng/m <sup>3</sup>	<1.0	6	Air Sampling, 3 <sup>rd</sup> Edn. Method 402 and APHA 23 <sup>rd</sup> Edition Part 3114C
12	Benzene (C <sub>6</sub> H <sub>6</sub> ) in µg/m <sup>3</sup>	<2.0	5	IS 5182 (Part-11) Reff 2022
13	Benzo (a) pyrene in ng/m <sup>3</sup>	<1.0	1	IS 5182 (Part-12) Reff 2019
14	Hydrogen Sulphide (H <sub>2</sub> S) in µg/m <sup>3</sup>	8.8	---	IS: 5182 (Part- 7) Reff 2021
NOTE: Limit as per CPCB notification, New Delhi, 18th November 2009, for Ambient air quality.				

Report Prepared By:

*[Signature]*

for Qualissure Laboratory Services

Reviewed & Authorized By

Benimadhab Gorai, Chemist  
(Authorized Signatory)



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DOC NO : QLS/SAMP/08-A/00

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b> M/s. Delhi MSW Solution Limited Village – Sendri. Mahamaya Vihar, Ware House Road, Bilaspur (CG).	Report No. : QLS/P-19/25-26/C/04 Date : 21.04.2025 Sample No. : QLS/P-19/25-26/04(A-C) Date of Performance(s) : 18-21.04.2025 Sample Submitted on : 18.04.2025 Sample Description : Ambient Noise Ref No. Date : Mail Confirmation
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## Monitoring Result Noise

Date of sampling : 11-12.04.2025					
Sampling Done by: Akhilesh Mathankar (Our Laboratory Representative)					
Environmental Condition : Clear & Sunny					
Sampling Guideline : As per IS: 9989: 1981 (RA-2020)					
Sample. No.	Location	Leq dB (A) Day Time	Limit in Leq dB(A) Day time	Leq dB (A) Night Time	Limit in Leq dB(A) Night Time
04A	Near Main Gate	53.6	75	49.2	70
04B	Near MEE Plant	51.2		48.8	
04C	Near 75 mm Trommel	52.8		49.1	

Report Prepared By:

*Paula*

for Qualissure Laboratory Services

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Benimadhab Gorai, Chemist  
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# Qualissure Laboratory Services

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TC-6271



DOC NO : QLS/SAMP/08-B/00

## TEST REPORT

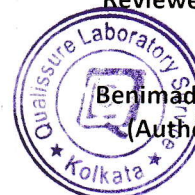
<b>Name &amp; Address Of the Customer :</b> M/s. Delhi MSW Solution Limited Village – Sendri. Mahamaya Vihar, Ware House Road, Bilaspur (CG).	Report No. : QLS/P-19/25-26/C/05 Date : 21.04.2025 Sample No. : QLS/P-19/25-26/05 Date of Performance(s) : 18-21.04.2025 Sample Submitted on : 18.04.2025 Sample Description : Stack Flue Gas Ref No. Date : Mail Confirmation, 18.04.2025
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## Analysis Result

Date & Time of Sampling : 12.04.2025 at 13.40 hrs. Sampling done by : Mr. A. Mathankar		Sampling Procedures : EPA/IS	
<b>A : General Information of Stack:</b>			
1	Stack connected to	: DG Set	
2	Emission due to	: Combustion Diesel	
3	Material of construction of Stack	: MS	
4	Shape of Stack	: Circular	
5	Whether stack is provided with permanent platform	: Temporary	
6	Generation Capacity	: 250 kVA	
<b>B : Physical Characteristic of Stack:</b>			
1	Height of Stack from ground level	: 3.0 m	
2	Diameter of Stack at bottom	: 0.135 m	
3	Diameter of Stack at sampling point	: 0.135m	
4	Height of the sampling point from ground level	: 3.0 m	
5	Area of Stack	: 0.0143 m <sup>2</sup>	
<b>C : Analysis/Characteristic of Stack:</b>			
1	Fuel used : Diesel	2. Fuel consumption	: 4 Lit/Hr
<b>D : Results of Sampling &amp; Analysis of gaseous Emission:</b>		<b>RESULT</b>	<b>METHOD</b>
1	Temperature of emission (°C)	: 127	EPA Part 2
2	Barometric pressure (mm of Hg)	: 758	EPA Part 2
3	Velocity of gas (m/sec)	: 6.90	EPA Part 2
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	: 264	EPA Part 2
5	Concentration of Carbon monoxide(%v/v)	: <0.2	IS:13270-1992, Reaf : 2019
6	Concentration of Carbon dioxide(%v/v)	: 4.2	IS:13270-1992, Reaf : 2019
7	Concentration of Sulphur dioxide (mg/Nm <sup>3</sup> )	: 9.5	EPA Part-6
8	Concentration of oxides of Nitrogen (mg/Nm <sup>3</sup> )	: 13.2	EPA Part-7
9	Concentration of Particulate Matters (mg/Nm <sup>3</sup> )	: 27	EPA Part 5
<b>E : Pollution Control Device :</b>			
Details of pollution control devices attached with the stack : Nil			
<b>F : Remarks:</b> Information under A,B and C are supplied by respective Industry.			

Report Prepared By: *Perdian*

for Qualissure Laboratory Services  
Reviewed & Authorized By



*Benimadhab Gorai*  
Benimadhab Gorai, Chemist  
(Authorized Signatory)

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DOC NO : QLS/SAMP/08-B/00

## TEST REPORT

<b>Name &amp; Address Of the Customer :</b>	Report No.	: QLS/P-19/25-26/C/06
<b>M/s. Delhi MSW Solution Limited</b>	Date	: 21.04.2025
Village – Sendri. Mahamaya Vihar,	Sample No.	: QLS/P-19/25-26/06
Ware House Road,	Date of Performance(s)	: 18-21.04.2025
Bilaspur (CG).	Sample Submitted on	: 18.04.2025
	Sample Description	: Stack Flue Gas
	Ref No. Date	: Mail Confirmation, 18.04.2025

## Analysis Result

Date & Time of Sampling : 12.04.2025 at 12:00 hrs.		Sampling Procedures : EPA/IS
Sampling done by : Mr. A. Mathankar		
<b>A : General Information of Stack:</b>		
1	Stack connected to	: Boiler
2	Emission due to	: H.S.D
3	Material of construction of Stack	: MS
4	Shape of Stack	: Circular
5	Whether stack is provided with permanent platform	: Yes
6	Generation Capacity	: 600 Kg/hr
<b>B : Physical Characteristic of Stack:</b>		
1	Height of Stack from ground level	: 15.3 m
2	Diameter of Stack at bottom	: 0.33 m
3	Diameter of Stack at sampling point	: 0.30 m
4	Height of the sampling point from ground level	: 6.0 m
5	Area of Stack	: 0.0730 m <sup>2</sup>
<b>C : Analysis/Characteristic of Stack:</b>		
1	Fuel used : Diesel	2. Fuel consumption : 20 Lit/Hr
<b>D : Results of Sampling &amp; Analysis of gaseous Emission:</b>		<b><u>RESULT</u></b>
1	Temperature of emission (°C)	: 113
2	Barometric pressure (mm of Hg)	: 755
3	Velocity of gas (m/sec)	: 7.65
4	Quantity of gas flow (Nm <sup>3</sup> /hr)	: 1550
5	Concentration of Carbon monoxide(%v/v)	: <0.2
6	Concentration of Carbon dioxide(%v/v)	: 4.2
7	Concentration of Oxygen (%v/v)	: 15.4
8	Concentration of Sulphur dioxide (mg/Nm <sup>3</sup> )	: 27.9 at 3% O <sub>2</sub>
9	Concentration of oxides of Nitrogen (mg/Nm <sup>3</sup> )	: 55.7 at 3% O <sub>2</sub>
10	Concentration of Particulate Matters (mg/Nm <sup>3</sup> )	: 39 at 3% O <sub>2</sub>
<b>E : Pollution Control Device :</b>		<b><u>METHOD</u></b>
Details of pollution control devices attached with the stack : Nil		EPA Part 2
		EPA Part 2
		EPA Part 2
		EPA Part 2
		IS:13270-1992, Reaf : 2019
		IS:13270-1992, Reaf : 2019
		IS:13270-1992, Reaf : 2019
		EPA Part-6
		EPA Part-7
		EPA Part 5
<b>F : Remarks:</b> Information under A,B and C are supplied by respective Industry.		

Report Prepared By:

*Radha*

for Qualissure Laboratory Services

Reviewed & Authorized By



Behimadhab Gorai, Chemist  
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