



TEST REPORT

ISSUED TO

SNG Envirosolutions Pvt. Ltd.
Mouza-Saharjora, P.O. & P.S.-Barjora
Bankura - 722202

REPORT NO : EFRAC/ENV/DXN/260320003
ISSUE DATE : 11/04/2026
REFERENCE NO : TRF
REF. DATE : 20/03/2026
PAGE NO : Page 1 of 5

KIND ATTENTION : Mr. Pintu Mukhopadhyay

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date & Time	: 20/03/2026	Sample Quantity Received	: 1 No
Sample Registration Date	: 20/03/2026	Sample Quantity Used	: 1 No
Sample Registration No	: EFRAC/ENV/DXN/260320003/03/RA/00087	Sample Drawn by	: EFRAC
Sample Type/Particulars	: Incinerator Stack	Start Of Sampling Date & Time	: 18/03/2026
Batch No	: Nil	End Of Sampling Date & Time	: N/A
		Sampling Method	: N/A
		Sampler Name	: Abhishek Das
		Sample Condition	: Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Starting Date : 22/03/2026 Analysis Completion Date : 08/04/2026

GENERAL INFORMATION ABOUT STACK

Stack Identification No.	: Incinerator Stack	Stack Hight From Ground Level (m)	: 30.0 m
Shape Of Stack	: Circular	Hight Of Sampling Point From Ground Level (m)	: 20.0 m
Stack Connected To	: Incinerator	Stack Diameter At Sampling Point (m)	: 0.4 m
Emmision Due To	: Burning of LPG & Bio Medical Waste	Material Of Construction Of Stack	: MS
Installed Capacity	: 250 kg/hr	Platform & Ladder Type & Condition	: Well & Permanent
Running Capacity	: 240 kg/hr	Pollution Control Device	: Dry Scrubbing System
Fuel Used	: LPG	Fuel Consumption	: 15 - 20 kg/hr
Remarks	: NA		

TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxins & Furans						
1	1,2,3,4,6,7,8-Heptachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
2	1,2,3,4,7,8-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
3	1,2,3,6,7,8-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
4	1,2,3,7,8,9-Hexachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
5	1,2,3,7,8-Pentachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.024	-	<0.024
6	2,3,7,8-Tetrachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.005	-	<0.005
7	Octachlorodibenzo-P-Dioxin	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.000015	-	<0.000015
8	1,2,3,4,6,7,8-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
9	1,2,3,4,7,8,9-Heptachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.00024	-	<0.00024
10	1,2,3,4,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm3	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024

LOQ Limit of Quantitation; **BLQ**: Below Limit of Quantitation; **UOM** :Unit of Measurement; **MAX** : Maximum **MIN** :Minimum; **NMT**Not More Than; **NLT**: Not Less Than. **PR**Present; **AB**Absent. **N/A**: Not Applicable. **TEQ**: Toxicity Equivalent **BDL**: Below Detection Limit
Results reported in Bold denotes "Out of Specification" parameters

Please refer Terms & Conditions mentioned at the last page after the end of Test Report



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TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Dioxins & Furans						
11	1,2,3,6,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
12	1,2,3,7,8,9-Hexachlorodibenzofuran	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
13	1,2,3,7,8-Pentachlorodibenzofuran	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.00072	-	<0.00072
14	2,3,4,6,7,8-Hexachlorodibenzofuran	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.0024	-	<0.0024
15	2,3,4,7,8-Pentachlorodibenzofuran	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.0072	-	<0.0072
16	2,3,7,8-Tetrachlorodibenzofuran	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.0005	-	<0.0005
17	Octachlorodibenzofuran	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.000015	-	<0.000015
18	Total Dioxins & Furans	ng.TEQ/Nm ³	USEPA 23A/QA.16.4.73	0.01	Max:0.1	<0.01

Conclusion : The sample **Conforms** to the requirements as per CPCB guideline for incinerator stack emission monitoring for the above tested parameter(s) only. The concentrations of dioxins and furans are expressed in terms of Toxicity Equivalents (TEQ). This Statement is drawn on the basis of the Results Obtained for the Tested Parameters only.



Tarun Pravendra Tiwari
Authorized Signatory



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KIND ATTENTION : Mr. Pintu Mukhopadhyay

SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date & Time	: 20/03/2026	Sample Quantity Received	: 1 No
Sample Registration Date	: 20/03/2026	Sample Quantity Used	: 1 No
Sample Registration No	: EFRAC/ENV/DXN/260320003/03/MT/00016	Sample Drawn by	: EFRAC
Sample Type/Particulars	: Incinerator Stack	Start Of Sampling Date & Time	: 18/03/2026
Batch No	: Nil	End Of Sampling Date & Time	: N/A
		Sampling Method	: N/A
		Sampler Name	: Abhishek Das
		Sample Condition	: Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Starting Date : 21/03/2026 Analysis Completion Date : 26/03/2026

GENERAL INFORMATION ABOUT STACK

Stack Identification No.	: Incinerator Stack	Stack Hight From Ground Level (m)	: 30.0 m
Shape Of Stack	: Circular	Hight Of Sampling Point From Ground Level (m)	: 20.0 m
Stack Connected To	: Incinerator	Stack Diameter At Sampling Point (m)	: 0.4 m
Emmission Due To	: Burning of LPG & Bio Medical Waste	Material Of Construction Of Stack	: MS
Installed Capacity	: 250 kg/hr	Platform & Ladder Type & Condition	: Well & Permanent
Running Capacity	: 240 kg/hr	Pollution Control Device	: Dry Scrubbing System
Fuel Used	: LPG	Fuel Consumption	: 15 - 20 kg/hr
Remarks	: NA		

TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Metals & Minerals						
1	Mercury & its Compounds	mg/Nm ³	USEPA 29 : 2017	0.003	-	<0.003

Conclusion : Nil



Tarun Pravendra Tiwari
Authorized Signatory



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SAMPLE DETAILS

SAMPLE REGISTRATION DETAILS

Sample Receipt Date & Time	: 20/03/2026	Sample Quantity Received	: 1 No
Sample Registration Date	: 20/03/2026	Sample Quantity Used	: 1 No
Sample Registration No	: EFRAC/ENV/DXN/260320003/03/WC/00013	Sample Drawn by	: EFRAC
Sample Type/Particulars	: Incinerator Stack	Start Of Sampling Date & Time	: 18/03/2026
Batch No	: Nil	End Of Sampling Date & Time	: N/A
		Sampling Method	: IS / EPA / CPCB
		Sampler Name	: Abhishek Das
		Sample Condition	: Fit for Analysis

SAMPLE ANALYSIS DETAILS

Analysis Starting Date : 21/03/2026 Analysis Completion Date : 28/03/2026

GENERAL INFORMATION ABOUT STACK

Stack Identification No.	: Incinerator Stack	Stack Height From Ground Level (m)	: 30.0 m
Shape Of Stack	: Circular	Height Of Sampling Point From Ground Level (m)	: 20.0 m
Stack Connected To	: Incinerator	Stack Diameter At Sampling Point (m)	: 0.4 m
Emission Due To	: Burning of LPG & Bio Medical Waste	Material Of Construction Of Stack	: MS
Installed Capacity	: 250 kg/hr	Platform & Ladder Type & Condition	: Well & Permanent
Running Capacity	: 240 kg/hr	Pollution Control Device	: Dry Scrubbing System
Fuel Used	: LPG	Fuel Consumption	: 15 - 20 kg/hr
Remarks	: NA		

TEST RESULTS

SL. NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical & Chemical						
1	Hydrochloric Acid	mg/Nm ³	USEPA Method 26A : 2017	N/A	-	1.19, 1.49 (@ 11% O ₂ Correction)
2	Oxides of Nitrogen (NOX)	mg/Nm ³	EPA Method 7E : 2020	-	-	47.87, 52.49 (@ 11% O ₂ Correction)
3	Particulate Matter	mg/nm ³	IS 11255 (Part 1) : 1985 (RA 2003)	-	-	21.19, 26.49 (@ 11% O ₂ Correction)

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TEST RESULTS

SL.NO.	PARAMETER	UOM	METHOD	LOQ	REQUIREMENTS	RESULTS
Physical & Chemical						
4	Combustion Efficiency	%	CPCB Emission Regulation (Part 3) : 1985	N/A	-	99.89

Conclusion : The Sample **Conforms** to the requirements of CPCB Guidelines for Incinerator Stack Emission Monitoring with 11% O2 Correction. This Statement is drawn on the basis of the Results Obtained for the Tested Parameters only.



Kaushik Mondal
Authorized Signatory

END OF THE TEST REPORT

LOQ Limit of Quantitation; **BLQ**: Below Limit of Quantitation; **UOM** :Unit of Measurement; **MAX** : Maximum **MIN** :Minimum; **NMT**Not More Than; **NLT**: Not Less Than. **PR** Present; **AB**Absent.
N/A: Not Applicable. **TEQ**: Toxicity Equivalent **BDL**: Below Detection Limit
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Research & Analysis Centre: Subhas Nagar, PO: Nilgunj Bazar, Barasat, Kolkata-700121, CIN-U24100WB1921PLC004311,
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🔗 <https://efrac.org/wp-content/brochure/Terms-Conditions-for-EFRAC-Services%20.pdf>

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