NON-GHG INVENTORY REPORTING

YEAR 2025

Messianic Clothing Pvt. Ltd.

B-18, Hosiery Complex, Phase-II Extension, Noida (U.P.)

OBJECTIVE OF THE REPORT

TRACK AND REDUCE AIR POLLUTANT EMISSIONS

MONITOR RESOURCE CONSUMPTION

ENSURE REGULATORY COMPLIANCE

TRACK AIR QUALITY AND HEALTH IMPACT

IMPROVE OPERATIONAL EFFICIENCY

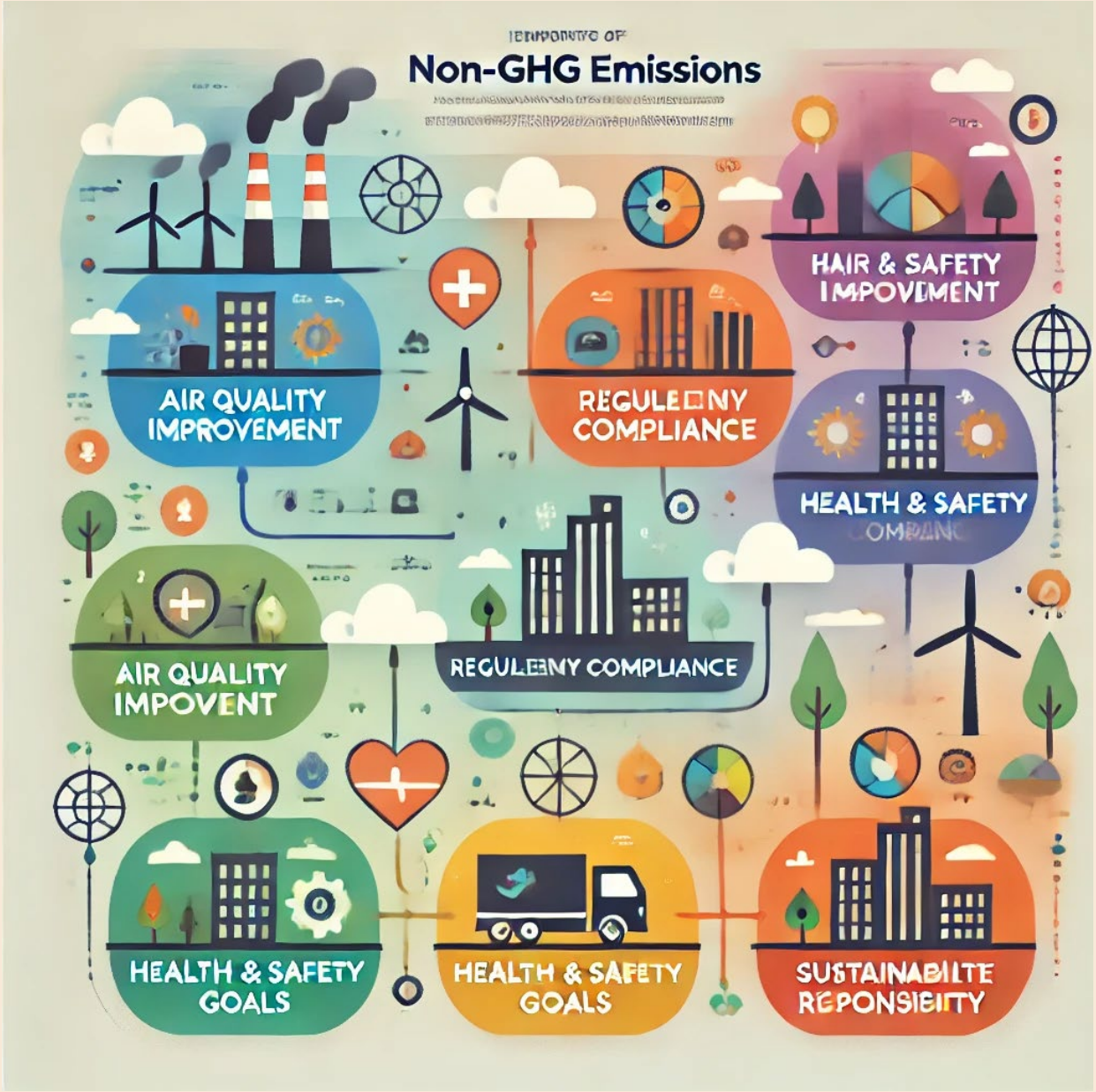
ENHANCE CORPORATE TRANSPARENCY AND ACCOUNTABILITY

MESSIANIC CLOTHING PVT. LTD.

Messianic Clothing Pvt Ltd is a leading production house specializing in the design and manufacturing of high-fashion garment. Based in Noida, the company has built a strong reputation for its high-quality apparel and has been exporting to prominent markets in Europe and the USA for over two decades.

With a commitment to excellence, Messianic Clothing combines advanced production techniques with an understanding of global fashion trends, offering a wide range of garments that meet the highest standards of quality and style. The company's global presence underscores its dedication to both the fashion industry and international business partnerships.

IMPORTANCE OF NON-GHG REPORTING



Non-GHG emissions reporting is important for several reasons:

Air Quality Improvement – Helps track and reduce pollutants like NO_x, SO_2, and PM, improving local air quality.

Regulatory Compliance – Ensures adherence to environmental laws and standards (e.g., CPCB, EPA, ISO 14001).

Health & Safety – Reducing toxic emissions lowers health risks for employees and communities.

Sustainability Goals – Supports corporate ESG and sustainability commitments beyond carbon emissions.

Corporate Responsibility – Enhances transparency and reputation by demonstrating environmental accountability.

Operational Efficiency – Identifies opportunities to optimize fuel use and reduce waste, lowering costs.

SCOPES IN NON-GHG REPORTING

Scope	Description	Example of Emission Sources
Scope 1	Direct emissions from owned/controlled operations	Industrial combustion (boilers, furnaces), vehicle exhaust (NO_x, PM), process emissions (SO_x from metal refining, VOCs from textile dyeing)
Scope 2 (considered in GHG reporting)	Indirect emissions from purchased electricity, steam, heating, cooling	Emissions from coal-based grid electricity
Scope 3	Indirect emissions from value chain (suppliers, customers, logistics)	Third-party transport emissions (NO_x, PM from shipping & trucking), employee, commuting (vehicle exhaust), emissions from purchased goods & services

WHAT IS A NON-GHG REPORT?

A **Non-GHG Report** is a document that records and analyses emissions of air pollutants that are not greenhouse gases (GHGs) but still impact air quality, human health, and the environment.

These include particulate matter (PM), nitrogen oxides (NO_x), sulphur dioxide (SO_2), volatile organic compounds (VOCs), carbon monoxide (CO), and hazardous air pollutants (HAPs).

Key Components of a Non-GHG Report:

1. Emission Sources (Factories, vehicles etc.)
2. Types of pollutants and their impacts
3. Emission Factors & Calculations (based on CPCB, IPCC, and EPA guidelines)
4. Reduction strategies & targets
5. Regulatory frameworks & compliance

EMISSION IN TEXTILE INDUSTRY

Textile industry contributes **20% of global industrial water pollution**.

Major emissions: SO_2, NO_x, VOCs, PM 2.5

7.8 million tonnes of textile waste is generated in India.

To reduce emissions, industry is focusing on sustainable procurement of materials, waste recycling, and responsible manufacturing.

ABOUT THE ORGANISATION

Messianic Clothing Pvt Ltd is a premier production house specializing in high-fashion garments for ladies and gents. Based in Noida, India. With a strong focus on international markets, Messianic Clothing exports its products to leading fashion hubs in Europe and the USA, providing clients with garments that reflect the latest trends and high standards of quality.

As a 100% export-oriented garment manufacturer, the company recognizes the impact of the textile and apparel industry on climate change and has taken steps to mitigate its carbon footprint.

ABOUT THE REPORT

Introduction

- This document outlines the **non-GHG emissions reporting framework** for Messianic Clothing Pvt. Ltd., Noida, following **ISO 14001** standards
- The report follows **Operational Control Approach** to ensure comprehensive environmental impact assessment.

Organizational Boundary Definition

- **Approach Used: Operational Control Approach** (reporting emissions from operations where the organization has direct environmental management control).
- **Scope of Reporting:** Includes **all utilities, fuel consumption, and indirect emissions** from **employee commutation** and **downstream transportation**.
- **Emission Factors Applied: CPCB (India), IPCC, and EPA (USA)**.

ABOUT THE REPORT

- The company has conducted a **non-Greenhouse Gas (non-GHG) accounting study** for its operations from **January 1, 2025, to December 31, 2025**.
- This report also includes necessary data assumptions, exclusions, and explanations for any deviations from methodologies. The scope includes all emissions within the operational boundaries of ***Messianic Clothing Pvt. Ltd., Noida***.
- The facility holds all applicable pollution consents under government regulations. The study involved collecting and analyzing data as per the above standards, ensuring full compliance with environmental regulations.
- Period of Validity: This report remains valid until it is superseded by a future revision or until the Company publishes a report that modifies the approach and calculation methodology outlined herein.
- **Frequency of the Report:** The unit plans to assess its GHG performance annually. This report covers data from January 1, 2025, to December 31, 2025, inclusive of both dates.

INTENDED USE & USERS OF THE REPORT

This report is a voluntary communication to various stakeholders of Messianic Clothing Pvt. Ltd., including customers, management, investors, government agencies, and the public. It serves to monitor non-GHG emissions performance and to establish a basis for future non-GHG reduction targets. Stakeholders can track the company's non-GHG performance over time and refer to this report for future verification of carbon performance, if applicable.

Management Details:

Mr. Prakul Luthra | Director

Verifier: Mr. Rajiv Chaturvedi
Verifier Certificate: ISO 14064-1 & ISO 14064-2
Certificate No.: 117874925 / 165946641:
Issued by: SGS India Pvt. Ltd.

Accounting & Reporting by:
Green Compliance Services

NON GHG ENVIRONMENTAL DATA 2025

YEAR 2025														
S.No.	Description	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1	Shipment	119522	76401	84820	36965	36710	54060	81074	51974	30715	6235	19011	74786	672273
2	Shipment	31415	22272	23914	10301	11416	14216	22092	16536	11211	2276	6939	27297	199885
3	Manpower	438	420	387	346	334	360	413	405	240	255	300	356	355
4	Working Days	26	24	24	26	26	25	27	25	26	23	25	27	304

COMPANY OVERVIEW

S No.	Equipment	Capacity	Fuel type	Emission source
1	Generator Set – 320 kVA	500 kVA	Diesel + PNG	Generator stack
2	Boiler – 50 kg	50 Kg	PNG	Boiler stack
3	Boiler – 50 kg	50 Kg	PNG	Boiler stack
4	Washing Machines - Fabcare	50 kg	Electricity	Dryer Stack
5	5 Tumbler - Fabcare	60 kg Each	PNG	Dryer Stack

LIST OF UTILITIES 2025

YEAR 2025														
S.No.	Description	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1	PNG consumed in Boiler (50 kg)	500	463	381	326	469	709	464	500	525	280	426	505	5548
2	PNG consumed in Boiler (50 kg)	500	463	381	326	469	709	464	500	525	280	426	505	5548
3	PNG consumed in Tumbler 1 (60 kg)	1650	1317	1009	785	547	795	1320	666	407	585	767	1282	11130
4	PNG consumed in Tumbler 2 (60 kg)	1650	1317	1009	785	547	795	1320	666	407	585	767	1282	11130
5	PNG consumed in Tumbler 3 (60 kg)	1650	1317	1009	785	547	795	1320	666	407	585	767	1282	11130
6	PNG consumed in Tumbler 4 (60 kg)	1650	1317	1009	785	547	795	1320	666	407	585	767	1282	11130
7	PNG consumed in Tumbler 5 (60 kg)	1650	1317	1009	785	547	795	1320	666	407	585	767	1282	11130
8	PNG consumed in DG Set	21	10	17	100	200	80	148	28	19	10	28	0	661
9	Total PNG consumed	9272	7518	5823	4680	3873	5475	7675	4358	3105	3494	4715	7419	67407
10	Diesel consumed in DG set (500 KVA)	384	124	278	646	1116	624	701	280	180	172	103	170	4777
11	Company Owned Cars - Petrol	7280	6720	6720	7280	7280	7000	7560	7000	7280	6440	7000	7560	85120
12	Shipping Distance Kms By HGV Vehicle - Diesel	2513	1782	1913	824	913	1137	1767	1323	897	182	555	2184	15991
13	Employee Commute By Car Petrol	10400	9600	9600	10400	10400	10000	10800	10000	10400	9200	10000	10800	121600
14	Employee Commute By Motorcycle Petrol	63700	58800	58800	63700	63700	61250	66150	61250	63700	56350	61250	66150	744800

ENVIORNMENTAL DATA - 2025

NON-GHG DIRECT SOURCE EMISSIONS 2025

EMISSION FROM DG 2025

Source	Fuel Type / Category	Activity Value	NO_x (kg)	SO_x (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
DG set	Diesel (L)	4777	166.24	8.31	10.44	20.78	33.25	0.06	21.50
DG set	PNG (SCM)	661	1.65	0.01	0.07	0.20	0.53	0.00	0.20

EMISSION FROM BOILER 2025

Source	Fuel Type / Category	Activity Value	NO_x (kg)	SO_x (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Boiler 1 (50 kg)	**PNG (SCM)**	5548	13.87	0.11	0.55	1.66	4.44	0.01	1.66
Boiler 2 (50 kg)	**PNG (SCM)**	5548	13.87	0.11	0.55	1.66	4.44	0.01	1.66

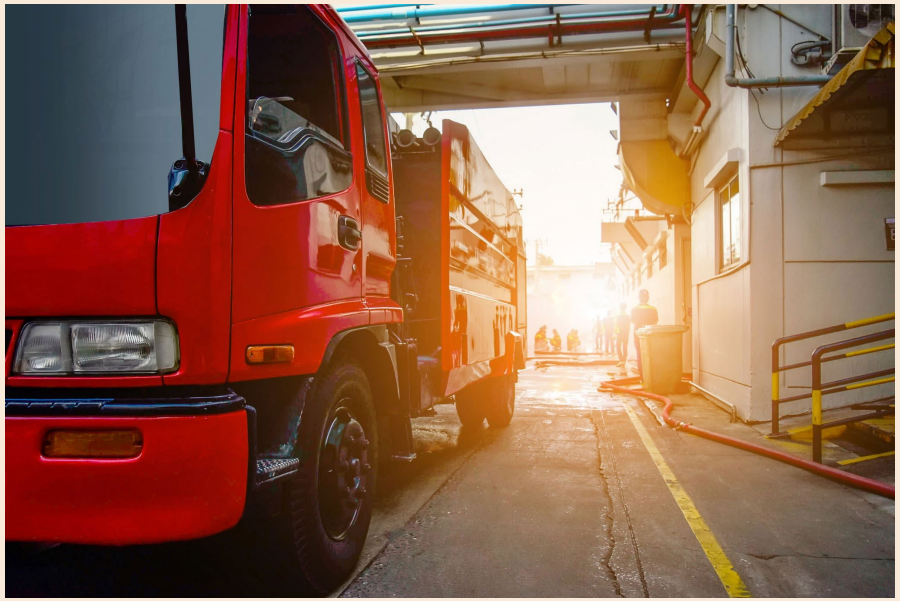
EMISSION FROM TUMBLER 2025

Source	Fuel Type / Category	Activity Value	NO_x (kg)	SO_x (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Tumbler 1	PNG (SCM)	11130	27.83	0.22	1.11	3.34	8.90	0.02	3.34
Tumbler 2	PNG (SCM)	11130	27.83	0.22	1.11	3.34	8.90	0.02	3.34
Tumbler 3	PNG (SCM)	11130	27.83	0.22	1.11	3.34	8.90	0.02	3.34
Tumbler 4	PNG (SCM)	11130	27.83	0.22	1.11	3.34	8.90	0.02	3.34
Tumbler 5	PNG (SCM)	11130	27.83	0.22	1.11	3.34	8.90	0.02	3.34

EMISSION FROM FACTORY OWNED VEHICLE

Source	Fuel Type / Category	Activity Value	NO_x (kg)	SO_x (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Factory Owned vehicle	**Petrol (km)**	5675	2.84	0.02	0.17	0.68	11.92	0.28	0.68

NON-GHG INDIRECT SOURCE EMISSIONS 2025



NON-GHG EMISSION – DOWNSTREAM TRANSPORTATION 2025

Source	Fuel Type / Category	Activity Value	NO_x (kg)	SO_x (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Shipping - HGV	Diesel (km)	15991	4.80	0.08	0.13	2.40	15.99	0.03	2.40

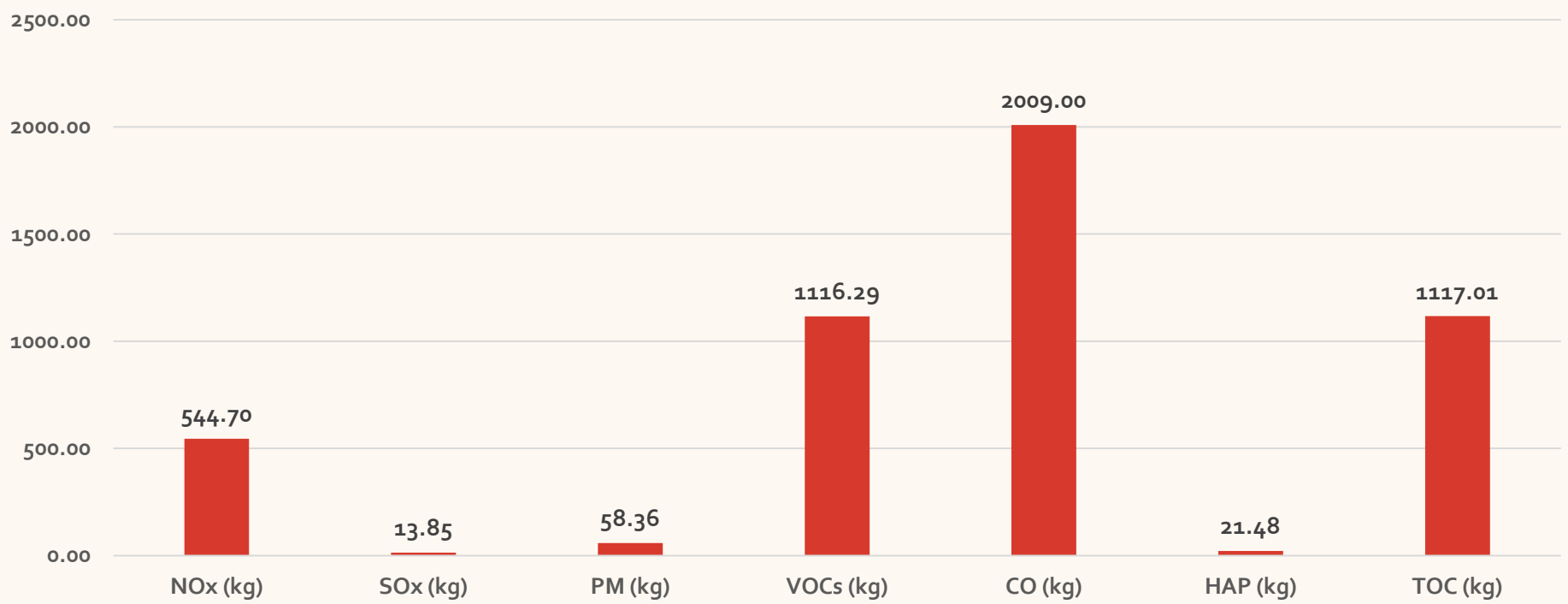
NON-GHG EMISSION – EMPLOYEE COMMUTE 2025

Source	Fuel Type / Category	Activity Value	NO_x (kg)	SO_x (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Car Employee Commute	Petrol (km)	121600	60.80	0.36	3.65	14.59	255.36	6.08	14.59
Motorcycle Employee Commute	Petrol (km)	744800	141.51	3.72	37.24	1057.62	1638.56	14.90	1057.62

SCOPE-WISE EMISSION 2025

TOTAL SCOPE EMISSION - 2025

Scope	NOx (kg)	SOx (kg)	PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Direct Source Emission Stationary & Mobile	337.60	9.68	17.35	41.68	99.09	0.47	42.40
Indirect Source Emission	207.11	4.17	41.02	1074.61	1909.91	21.01	1074.61
Total Emission	544.70	13.85	58.36	1116.29	2009.00	21.48	1117.01



NORMALISED SCOPE-WISE EMISSION 2025

TOTAL NORMALIZED BY SHIPMENT PCS - 2025

Absolute	NO_x (kg)	SOx (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Year 2025	544.70	13.85	58.36	1116.29	2009.00	21.48	1117.01
Normalized per shipment pc	**NO_x (kg)**	**SOx (kg)**	**PM2.5 / PM (kg)**	**VOCs (kg)**	**CO (kg)**	**HAP (kg)**	**TOC (kg)**
Year 2025	0.001	0.000	0.0001	0.002	0.003	0.000	0.002

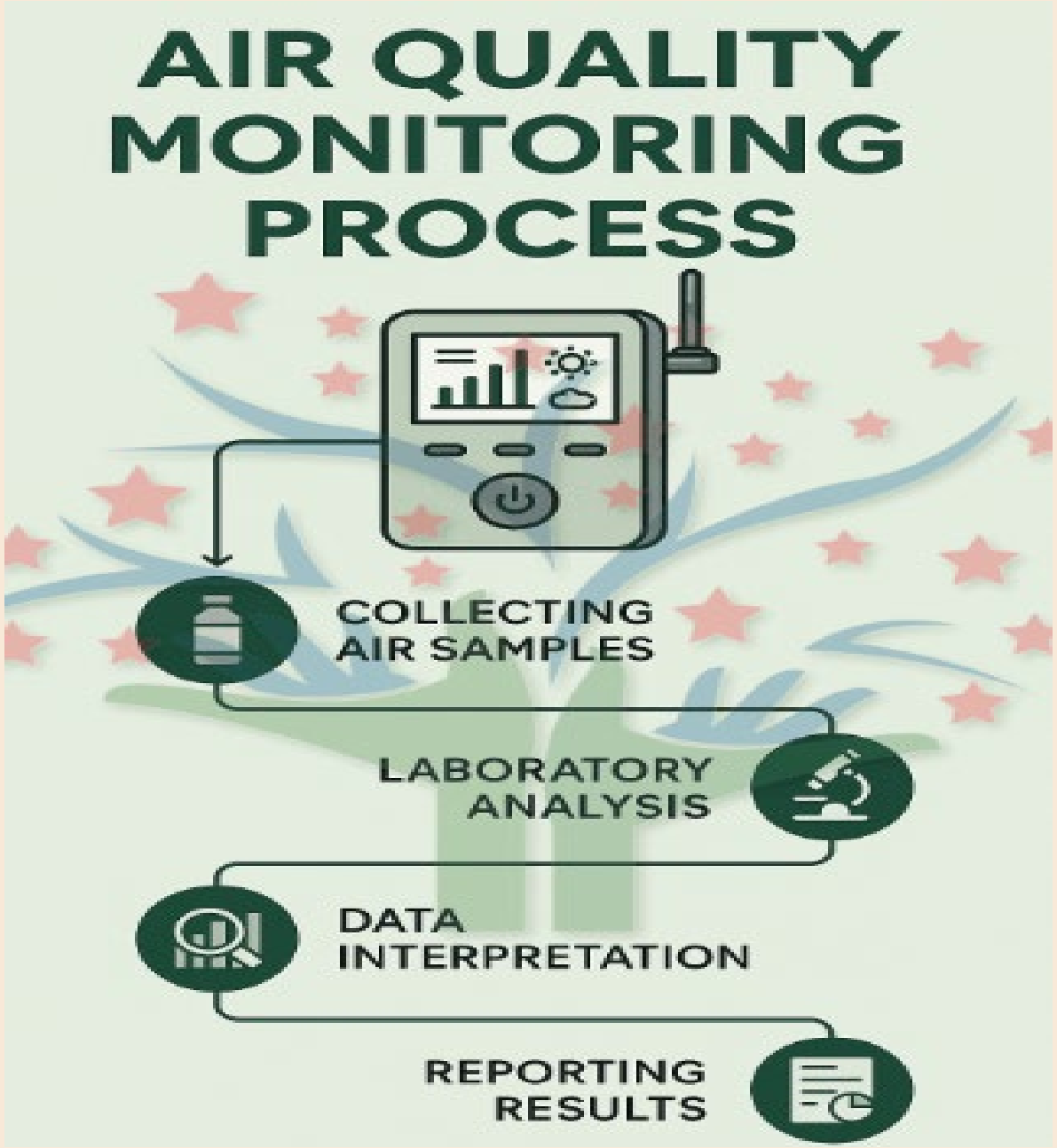
TOTAL NORMALIZED BY SHIPMENT IN KG – 2025

Absolute	NO_x (kg)	SOx (kg)	PM2.5 / PM (kg)	VOCs (kg)	CO (kg)	HAP (kg)	TOC (kg)
Year 2025	544.70	13.85	58.36	1116.29	2009.00	21.48	1117.01
Emission per shipment kg	**NO_x (kg)**	**SOx (kg)**	**PM2.5 / PM (kg)**	**VOCs (kg)**	**CO (kg)**	**HAP (kg)**	**TOC (kg)**
Year 2025	0.003	0.000	0.0003	0.006	0.010	0.000	0.006

COMPARATIVE STUDY 2025

Absolute & Normalized Non-GHG Air Emissions Trend					
Emission	**NOx (kg)**	**SOx (kg)**	**PM (kg)**	**VOCs (kg)**	**CO (kg)**
2023 (Absolute)	2527.59	98.37	132.44	785.59	1612.54
2023 (Normalized)	0.004	0.0002	0.0002	0.001	0.003
Emission	**NOx (kg)**	**SOx (kg)**	**PM (kg)**	**VOCs (kg)**	**CO (kg)**
2024 (Absolute)	1495.51	38.03	98.85	676.18	1457.25
2024 (Normalized)	0.002	0.0001	0.0001	0.001	0.002
Emission	**NOx (kg)**	**SOx (kg)**	**PM (kg)**	**VOCs (kg)**	**CO (kg)**
2025 (Absolute)	544.70	13.85	58.36	1116.29	2009.00
2025 (Normalized)	0.0008	0.00002	0.00009	0.002	0.003

FUGITIVE SOURCE EMISSIONS 2025



Work Zone Air Quality Monitoring Results - Tested on 26/12/2025					
From Tumbler Area Second Floor					
S. No.	**Parameters**	**Unit**	**Results**	**Permissible Limits**	**Test Method**
1	Suspended Particulate Matter (SPM)	mg/m^3	0.36	15	GES/CH/SOP/W-AIR-01
2	Sulphur Dioxide (SOx)	mg/m^3	0.018	13	GES/CH/SOP/W-AIR-02
3	Nitrogen Dioxide (NOx)	mg/m^3	0.041	9	GES/CH/SOP/W-AIR-03
4	Carbon Monoxide (CO)	mg/m^3	0.66	55	GES/CH/SOP/W-AIR-14

From First Floor					
S. No.	**Parameters**	**Unit**	**Results**	**Permissible Limits**	**Test Method**
1	Suspended Particulate Matter (SPM)	mg/m^3	0.44	15	GES/CH/SOP/W-AIR-01
2	Sulphur Dioxide (SOx)	mg/m^3	0.012	13	GES/CH/SOP/W-AIR-02
3	Nitrogen Dioxide (NOx)	mg/m^3	0.02	9	GES/CH/SOP/W-AIR-03
4	Carbon Monoxide (CO)	mg/m^3	0.58	55	GES/CH/SOP/W-AIR-14

From Ground Floor					
S. No.	**Parameters**	**Unit**	**Results**	**Permissible Limits**	**Test Method**
1	Suspended Particulate Matter (SPM)	mg/m^3	0.41	15	GES/CH/SOP/W-AIR-01
2	Sulphur Dioxide (SOx)	mg/m^3	0.013	13	GES/CH/SOP/W-AIR-02
3	Nitrogen Dioxide (NOx)	mg/m^3	0.029	9	GES/CH/SOP/W-AIR-03
4	Carbon Monoxide (CO)	mg/m^3	0.65	55	GES/CH/SOP/W-AIR-14

Work Zone Air Quality Testing Report From Tumbler Area – 2nd Floor

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Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578
TC-15751

TEST REPORT
Work Zone Air Quality Analysis

Test Report Number	GES/R1225/20086		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20086	Sample Receiving Date	20.12.2025
Sample Description	Work Zone Air	Analysis Start Date	20.12.2025
Sampling Done by	GES Laboratory Representative	Analysis End Date	26.12.2025

Sampling Details

Date & Time of Sampling	: 19.12.2025 (10:18 AM to 06:20 PM)
Sampling Location	: Tumbler Area Second Floor
Sampling Protocol	: GES/CH/SOP/W-AIR
Sampling Duration	: 8 Hrs
Weather Condition	: Clear
Average Flow Rate (LPM)	: 2.0
Sample Packing & Marking	: Plastic Bottle & Filter Paper in Zip Polybag

Test Results

S. No.	Parameters	Unit	Results	Permissible Limits	Test Method
1.	Suspended Particulate Matter	mg/m^3	0.36	15	GES/CH/SOP/W-AIR-01
2.	Sulphur Dioxide (SO_2)	mg/m^3	0.018	13	GES/CH/SOP/W-AIR-02
3.	Nitrogen Dioxide (NO_2)	mg/m^3	0.041	9	GES/CH/SOP/W-AIR-03
4.	Relative Humidity	%	59.7	-	GES/CH/SOP/W-AIR-04
5.	Temperature	(^0C)	26.5	-	GES/CH/SOP/W-AIR-05
6.	Benzene (C6H6)	ppm	<0.5	10	GES/CH/SOP/W-AIR-07
7.	Toluene	ppm	<0.5	200	GES/CH/SOP/W-AIR-07
8.	Xylene	mg/m^3	<0.5	435	GES/CH/SOP/W-AIR-07

Note: std limits as per OSHA Standard

Checked by
Format No.-GES/7.8F-08, Issue No.-01, Issue Date- 20.08.2024

Green Enviro Tech Services Pvt. Ltd.
Authorized by Pranesh Bhardwaj
Technical Manager

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End of Report

Work Zone Air Quality Testing Report From First Floor

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TC-15751

TEST REPORT
Work Zone Air Quality Analysis

Test Report Number	GES/R1225/20084		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20084	Sample Receiving Date	20.12.2025
Sample Description	Work Zone Air	Analysis Start Date	20.12.2025
Sampling Done by	GES Laboratory Representative	Analysis End Date	26.12.2025

Sampling Details

Date & Time of Sampling	: 19.12.2025 (10:06 AM to 06:08 PM)
Sampling Location	: First Floor
Sampling Protocol	: GES/CH/SOP/W-AIR
Sampling Duration	: 8 Hrs
Weather Condition	: Clear
Average Flow Rate (LPM)	: 2.0
Sample Packing & Marking	: Plastic Bottle & Filter Paper in Zip Polybag

Test Results

S. No.	Parameters	Unit	Results	Permissible Limits	Test Method
1.	Suspended Particulate Matter	mg/m^3	0.44	15	GES/CH/SOP/W-AIR-01
2.	Sulphur Dioxide (SO_2)	mg/m^3	0.012	13	GES/CH/SOP/W-AIR-02
3.	Nitrogen Dioxide (NO_2)	mg/m^3	0.020	9	GES/CH/SOP/W-AIR-03
4.	Relative Humidity	%	54.9	-	GES/CH/SOP/W-AIR-04
5.	Temperature	(^0C)	25.5	-	GES/CH/SOP/W-AIR-05
6.	Benzene (C6H6)	ppm	<0.5	10	GES/CH/SOP/W-AIR-07
7.	Toluene	ppm	<0.5	200	GES/CH/SOP/W-AIR-07
8.	Xylene	mg/m^3	<0.5	435	GES/CH/SOP/W-AIR-07

Note: std limits as per OSHA Standard

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Format No.-GES/7.8F-08, Issue No.-01, Issue Date- 20.08.2024

Green Enviro Tech Services Pvt. Ltd.
Authorized by
Pranesh Bhardwaj
Technical Manager

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End of Report

Terms & Conditions :
1. Sample Will be retained for 15 days from the date of issue of test report.
2. The results given above are related only to the sample tested or sampled and tested thereafter
3. This report cannot be used as evidence in court of law without the written approval of the lab.
4. Report shall not be reproduced, except in full, without prior written approval of the laboratory.

Work Zone Air Quality Testing Report From Ground Floor

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Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578
TC-15751

TEST REPORT

Work Zone Air Quality Analysis

Test Report Number	GES/R1225/20085		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20085	Sample Receiving Date	20.12.2025
Sample Description	Work Zone Air	Analysis Start Date	20.12.2025
Sampling Done by	GES Laboratory Representative	Analysis End Date	26.12.2025

Sampling Details

Date & Time of Sampling	: 19.12.2025 (10:14 AM to 06:16 PM)
Sampling Location	: Ground Floor
Sampling Protocol	: GES/CH/SOP/W-AIR
Sampling Duration	: 8 Hrs
Weather Condition	: Clear
Average Flow Rate (LPM)	: 2.0
Sample Packing & Marking	: Plastic Bottle & Filter Paper in Zip Polybag

Test Results

S. No.	Parameters	Unit	Results	Permissible Limits	Test Method
1.	Suspended Particulate Matter	mg/m^3	0.41	15	GES/CH/SOP/W-AIR-01
2.	Sulphur Dioxide (SO_2)	mg/m^3	0.013	13	GES/CH/SOP/W-AIR-02
3.	Nitrogen Dioxide (NO_2)	mg/m^3	0.029	9	GES/CH/SOP/W-AIR-03
4.	Relative Humidity	%	59.6	-	GES/CH/SOP/W-AIR-04
5.	Temperature	(^0C)	25.8	-	GES/CH/SOP/W-AIR-05
6.	Benzene (C6H6)	ppm	<0.5	10	GES/CH/SOP/W-AIR-07
7.	Toluene	ppm	<0.5	200	GES/CH/SOP/W-AIR-07
8.	Xylene	mg/m^3	<0.5	435	GES/CH/SOP/W-AIR-07

Note: std limits as per OSHA Standard

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POINT SOURCE EMISSIONS 2025

BOILER STACK EMISSION 2025

Boiler Stack Emission Report - Tested on – 20/122025 - **50 kg/hr**					
S. No.	**Parameters**	**Unit**	**Results**	**Limits as per the E(P)A Rules**	**Test Method**
1	Particulate Matter (PM)	mg/Nm^3	27.2	150	IS: 11255 (Part-01)
2	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4	Carbon Monoxide (CO)	% v/v	<0.2	1	IS: 13270
5	Persistent Organic Pollutants (POP) at 11% O_2	$NgTeq/Nm^3$	<0.1	--	GES/SOP/Stack-15
6	Volatile Organic Compound (VOC)	ppb	<1.0	--	GES/CH/SOP/Stack

Boiler Stack Emission Report - Tested on – 20/12/2025 - **50 kg/hr**					
S. No.	**Parameters**	**Unit**	**Results**	**Limits as per the E(P)A Rules**	**Test Method**
1	Particulate Matter (PM)	mg/Nm^3	29.2	150	IS: 11255 (Part-01)
2	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4	Carbon Monoxide (CO)	% v/v	<0.2	1	IS: 13270
5	Persistent Organic Pollutants (POP) at 11% O_2	$NgTeq/Nm^3$	<0.1	--	GES/SOP/Stack-15
6	Volatile Organic Compound (VOC)	ppb	<1.0	--	GES/CH/SOP/Stack

BOILER STACK EMISSION REPORT 2025 – 50 KG/HR

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TC-15751

TEST REPORT
Stack

Test Report Number	GES/R1225/20076		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20076	Sample Receiving Date	20.12.2025
Sample Description	Boiler Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

Stack Emission Analysis

Sample Particulars:

Sample Name	: Stack Emission
Stack attached to	: Boiler NO-01
Capacity of Boiler	: 50 kg
Date of Sampling	: 19.12.2025
Normal Operating Schedule	: as per requirement
Type of Fuel	: PNG
Type of Stack	: MS/ Circular
Stack Height from Ground Level	: 12 mtr
Stack Diameter	: 100 mm
Sampling Duration (Minutes)	: 48
Ambient Temperature (^{0}C)	: 15
Stack Temperature (^{0}C)	: 80
Stack Gas Velocity (m/s), Avg	: 12.9
Quantity of Flue Gas Emission (m^3/Hr)	: 304
APCS Attached	: ---
Sample Packing & Marking	: Plastic Bottle, Thimble Packed in Zip Polybag

ANALYSIS RESULT

S. No.	Parameters	Unit	Results	Limits as per the E(P)A Rules	Test Method
1.	Particulate Matter (PM)	mg/Nm^3	27.2	150	IS: 11255 (Part-01)
2.	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3.	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4.	Carbon Monoxide (CO)	% v/v	<0.2	1.0	IS: 13270

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BOILER STACK EMISSION REPORT 2025 – 50 KG/HR

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TEST REPORT
Stack

Test Report Number	GES/R1225/20077		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20077	Sample Receiving Date	20.12.2025
Sample Description	Boiler Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

Stack Emission Analysis

Sample Particulars:

Sample Name	: Stack Emission
Stack attached to	: Boiler NO-02
Capacity of Boiler	: 50 kg
Date of Sampling	: 19.12.2025
Normal Operating Schedule	: as per requirement
Type of Fuel	: PNG
Type of Stack	: MS/ Circular
Stack Height from Ground Level	: 12 mtr
Stack Diameter	: 100 mm
Sampling Duration (Minutes)	: 50
Ambient Temperature (^{0}C)	: 15
Stack Temperature (^{0}C)	: 75
Stack Gas Velocity (m/s), Avg	: 12.2
Quantity of Flue Gas Emission (m^3/Hr)	: 292
APCS Attached	: ---
Sample Packing & Marking	: Plastic Bottle, Thimble Packed in Zip Polybag

ANALYSIS RESULT

S. No.	Parameters	Unit	Results	Limits as per the E(P)A Rules	Test Method
1.	Particulate Matter (PM)	mg/Nm^3	29.1	150	IS: 11255 (Part-01)
2.	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3.	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4.	Carbon Monoxide (CO)	% v/v	<0.2	1.0	IS: 13270

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DG STACK EMISSION 2025

DG Stack Emission Report - Tested on - 26/12/2025 - 500 KVA					
S. No.	**Parameters**	**Unit**	**Results**	**Specification as per EPA 1986**	**Test Method**
1	Particulate Matter (PM)	g/kW-hr	0.015	0.02	IS: 11255 (Part-01) 1985 RA2019
2	Oxide of Nitrogen (NOx as NO_2)	g/kW-hr	0.19	0.4	IS: 11255 (Part-07) 2005 RA2017
3	Carbon Monoxide (CO)	g/kW-hr	0.11	3.5	IS: 13270
4	Sulphur Dioxide (SO_2)	mg/Nm^3	BDL (< 5.0)	Not Specified	IS: 11255 (Part-02) 1985 RA2019
5	Hydrocarbon	g/kW-hr	BDL (DL < 0.1)	0.19	USEPA 25: 2023
6	Persistent Organic Pollutants (POP) at 11% Dry O_2	$ngTeq/Nm^3$	<0.1	Not Specified	GES/SOP/Stack-15
7	Volatile Organic Compound (VOC)	ppb	<1.0	Not Specified	GES/CH/SOP/Stack

DG STACK EMISSION REPORT
2025 – 500

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TEST REPORT
DG Stack

Test Report Number	GES/R1225/20075		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20075	Sample Receiving Date	20.12.2025
Sample Description	DG Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

STACK EMISSION ANALYSIS

Sample Details:

Sample Name	: Stack Emission
Purpose of monitoring	: To check the pollution load for Self-Assessment
Emission Source Monitored	: Stack Attached to DG Set
DG Capacity	: 500 KVA
Date of sampling	: 19.12.2025
Sampling done by	: GETS Lab Representative
Normal operation Schedule, hrs/day	: As per requirement
Type of stack/ duct	: Metal/ Circular
Type of fuel used	: HSD + PNG
Fuel Consumption	: 30% + 70%
Diameter of the Stack	: 150 mm
Stack Height from Ground Level	: 13 m
Sampling duration (minutes)	: 55
APCS Attached (If Any)	: Acoustic Enclosure
Sample packing & Marking	: Plastic Bottle, Thimble in Zip Polybag /DG 500 KVA

Observations:

Ambient Air temperature (^{0}C)	: 15
Flue Gas Temperature (^{0}C)	: 172
Flue Gas Velocity (m/s), Avg	: 14.1
Quantity of flue gas emission (Nm^3/hr)	: 594

ANALYSIS RESULT

S. No	Parameters	Unit	Results	Specification as per EPA 1986	Test Method
1.	Particulate Matter (PM)	g/kw-hr	0.015	0.02	IS: 11255(Part-01)1985 RA2019
2.	Oxide of Nitrogen (NOx as NO2)	g/kw-hr	0.19	0.4	IS: 11255 (Part-07)2005 RA2017
3.	Carbon Monoxide (CO)	g/kw-hr	0.11	3.5	IS: 13270
4.	Sulphur Dioxide (SO2)	mg/Nm^3	BDL (< 5.0)	Not Specified	IS: 11255(Part-02) 1985 RA2019
5.	Hydrocarbon	g/kw-hr	BDL (DL <0.1)	0.19	USEPA 25: 2023

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TEST REPORT
DG Stack

Test Report Number	GES/R1225/N20075		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20075	Sample Receiving Date	20.12.2025
Sample Description	DG Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

STACK EMISSION ANALYSIS

Sample Details:

Sample Name	: Stack Emission
Purpose of monitoring	: To check the pollution load for Self-Assessment
Emission Source Monitored	: Stack Attached to DG Set
DG Capacity	: 500 KVA
Date of sampling	: 19.12.2025
Sampling done by	: GETS Lab Representative
Normal operation Schedule, hrs/day	: As per requirement
Type of stack/ duct	: Metal/ Circular
Type of fuel used	: HSD + PNG
Fuel Consumption	: 30% + 70%
Diameter of the Stack	: 150 mm
Stack Height from Ground Level	: 13 m
Sampling duration (minutes)	: 55
APCS Attached (If Any)	: Acoustic Enclosure
Sample packing & Marking	: Plastic Bottle, Thimble in Zip Polybag /DG 500 KVA

Observations:

Ambient Air temperature (^{0}C)	: 15
Flue Gas Temperature (^{0}C)	: 172
Flue Gas Velocity (m/s), Avg	: 14.1
Quantity of flue gas emission (Nm^3/hr)	: 594

ANALYSIS RESULT

S.No	Parameters	Unit	Results	Specification as per EPA 1986	Test Method
1.	Persistent Organic Pollutants (POP) at 11% Dry O_2	ngTeq/Nm^3	<0.1	Not Specified	GES/SOP/Stack-15
2	Volatile Organic Compound (VOC)	ppb	<1.0	Not Specified	GES/CH/SOP/Stack

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TUMBLER STACK EMISSION 2025

Tumbler Stack Emission Report - Tested on - 20/12/2025 - **60 kg/hr - Tumbler No 1**					
S. No.	**Parameters**	**Unit**	**Results**	**Limits as per the E(P)A Rules**	**Test Method**
1	Particulate Matter (PM)	mg/Nm^3	23.9	150	IS: 11255 (Part-01)
2	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4	Carbon Monoxide (CO)	% v/v	<0.2	1	IS: 13270
5	Persistent Organic Pollutants (POP) at 11% O_2	$ngTeq/Nm^3$	<0.1	--	GES/SOP/Stack-15
6	Volatile Organic Compound (VOC)	ppb	<1.0	--	GES/CH/SOP/Stack

Tumbler Stack Emission Report - Tested on - 20/12/2025 - **60 kg/hr - Tumbler No 2**					
S. No.	**Parameters**	**Unit**	**Results**	**Limits as per the E(P)A Rules**	**Test Method**
1	Particulate Matter (PM)	mg/Nm^3	16.9	150	IS: 11255 (Part-01)
2	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4	Carbon Monoxide (CO)	% v/v	<0.2	1	IS: 13270
5	Persistent Organic Pollutants (POP) at 11% O_2	$ngTeq/Nm^3$	<0.1	--	GES/SOP/Stack-15
6	Volatile Organic Compound (VOC)	ppb	<1.0	--	GES/CH/SOP/Stack

Tumbler Stack Emission Report - Tested on - 20/12/2025 - **60 kg/hr - Tumbler No 3**					
S. No.	**Parameters**	**Unit**	**Results**	**Limits as per the E(P)A Rules**	**Test Method**
1	Particulate Matter (PM)	mg/Nm^3	15.6	150	IS: 11255 (Part-01)
2	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4	Carbon Monoxide (CO)	% v/v	<0.2	1	IS: 13270
5	Persistent Organic Pollutants (POP) at 11% O_2	$ngTeq/Nm^3$	<0.1	--	GES/SOP/Stack-15
6	Volatile Organic Compound (VOC)	ppb	<1.0	--	GES/CH/SOP/Stack

TUMBLER STACK EMISSION 2025

Tumbler Stack Emission Report - Tested on - 20/12/2025 - **60 kg/hr - Tumbler No 4**					
S. No.	**Parameters**	**Unit**	**Results**	**Limits as per the E(P)A Rules**	**Test Method**
1	Particulate Matter (PM)	mg/Nm^3	17.6	150	IS: 11255 (Part-01)
2	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4	Carbon Monoxide (CO)	% v/v	<0.2	1	IS: 13270
5	Persistent Organic Pollutants (POP) at 11% O_2	$ngTeq/Nm^3$	<0.1	--	GES/SOP/Stack-15
6	Volatile Organic Compound (VOC)	ppb	<1.0	--	GES/CH/SOP/Stack

Tumbler Stack Emission Report - Tested on - 20/12/2025 - **60 kg/hr - Tumbler No 5**					
S. No.	**Parameters**	**Unit**	**Results**	**Limits as per the E(P)A Rules**	**Test Method**
1	Particulate Matter (PM)	mg/Nm^3	25.4	150	IS: 11255 (Part-01)
2	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4	Carbon Monoxide (CO)	% v/v	<0.2	1	IS: 13270
5	Persistent Organic Pollutants (POP) at 11% O_2	$ngTeq/Nm^3$	<0.1	--	GES/SOP/Stack-15
6	Volatile Organic Compound (VOC)	ppb	<1.0	--	GES/CH/SOP/Stack

TUMBLER STACK EMISSION REPORT 2025 – 60 KG – TUMBLER NO. 1

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TEST REPORT
Stack

Test Report Number	**GES/R1225/20082**		**Issued Date: 26.12.2025**
Customer Name & Address	**Issued to:** **M/s Messianic Clothing Pvt. Ltd.** B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20082	Sample Receiving Date	20.12.2025
Sample Description	Tumbler Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

Stack Emission Analysis

Sample Particulars:

Sample Name	: Stack Emission
Stack attached to	: Tumbler NO-01
Capacity of Boiler	: 60 kg
Date of Sampling	: 19.12.2025
Normal Operating Schedule	: as per requirement
Type of Fuel	: PNG
Type of Stack	: MS/ Circular
Stack Height from Ground Level	: 14 mtr
Stack Diameter	: 75 mm
Sampling Duration (Minutes)	: 33
Ambient Temperature (^{0}C)	: 15
Stack Temperature (^{0}C)	: 80
Stack Gas Velocity (m/s), Avg	: 18.8
Quantity of Flue Gas Emission (m^3/Hr)	: 249
APCS Attached	: ---
Sample Packing & Marking	: Plastic Bottle, Thimble Packed in Zip Polybag

ANALYSIS RESULT

S. No.	Parameters	Unit	Results	Limits as per the E(P)A Rules	Test Method
1.	Particulate Matter (PM)	mg/Nm^3	23.9	150	IS: 11255 (Part-01)
2.	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3.	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4.	Carbon Monoxide (CO)	% v/v	<0.2	1.0	IS: 13270

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TUMBLER STACK EMISSION REPORT 2025 – 60 KG – TUMBLER NO. 2

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TEST REPORT
Stack

Test Report Number	**GES/R1225/20081**		**Issued Date: 26.12.2025**
Customer Name & Address	**Issued to:** **M/s Messianic Clothing Pvt. Ltd.** B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20081	Sample Receiving Date	20.12.2025
Sample Description	Tumbler Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

Stack Emission Analysis

Sample Particulars:

Sample Name	: Stack Emission
Stack attached to	: Tumbler NO-02
Capacity of Boiler	: 50 kg
Date of Sampling	: 19.12.2025
Normal Operating Schedule	: as per requirement
Type of Fuel	: PNG
Type of Stack	: MS/ Circular
Stack Height from Ground Level	: 14 mtr
Stack Diameter	: 75 mm
Sampling Duration (Minutes)	: 32
Ambient Temperature (^{0}C)	: 15
Stack Temperature (^{0}C)	: 72
Stack Gas Velocity (m/s), Avg	: 18.5
Quantity of Flue Gas Emission (m^3/Hr)	: 251
APCS Attached	: ---
Sample Packing & Marking	: Plastic Bottle, Thimble Packed in Zip Polybag

ANALYSIS RESULT

S. No.	Parameters	Unit	Results	Limits as per the E(P)A Rules	Test Method
1.	Particulate Matter (PM)	mg/Nm^3	16.9	150	IS: 11255 (Part-01)
2.	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3.	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4.	Carbon Monoxide (CO)	% v/v	<0.2	1.0	IS: 13270

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TUMBLER STACK EMISSION REPORT 2025 – 60 KG – TUMBLER NO. 3

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TC-15751

TEST REPORT

Stack

Test Report Number	GES/R1225/20080		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20080	Sample Receiving Date	20.12.2025
Sample Description	Tumbler Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

Stack Emission Analysis

Sample Particulars:

Sample Name	: Stack Emission
Stack attached to	: Tumbler NO-03
Capacity of Boiler	: 50 kg
Date of Sampling	: 19.12.2025
Normal Operating Schedule	: as per requirement
Type of Fuel	: PNG
Type of Stack	: MS/ Circular
Stack Height from Ground Level	: 14 mtr
Stack Diameter	: 75 mm
Sampling Duration (Minutes)	: 33
Ambient Temperature (^{0}C)	: 15
Stack Temperature (^{0}C)	: 64
Stack Gas Velocity (m/s), Avg	: 17.8
Quantity of Flue Gas Emission (m^3/Hr)	: 247
APCS Attached	: ---
Sample Packing & Marking	: Plastic Bottle, Thimble Packed in Zip Polybag

ANALYSIS RESULT

S. No.	Parameters	Unit	Results	Limits as per the E(P)A Rules	Test Method
1.	Particulate Matter (PM)	mg/Nm^3	15.6	150	IS: 11255 (Part-01)
2.	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3.	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4.	Carbon Monoxide (CO)	% v/v	<0.2	1.0	IS: 13270

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Format No.-GES/7.8F-05, Issue No.-01, Issue Date- 20.08.2024

Green Enviro Tech Services Pvt. Ltd.
Authorized by
Pranesh Bhardwaj
Technical Manager

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TUMBLER STACK EMISSION REPORT 2025 – 60 KG – TUMBLER NO. 4

GREEN ENVIRO TECH SERVICES PVT. LTD.
An Analytical Laboratory
(A GOVERNMENT APPROVED LAB)
(AN ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified)
Plot No.-69, Kherli Hafizpur, Gr. Noida, G.B. Nagar-203202
E-mail : getslab2024@gmail.com | Website : www.getslab.in
Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578
TC-15751

TEST REPORT

Stack

Test Report Number	GES/R1225/20079		Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh		
Details of Sample			
Job Order Number	GES/2025/12A20079	Sample Receiving Date	20.12.2025
Sample Description	Tumbler Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

Stack Emission Analysis

Sample Particulars:

Sample Name	: Stack Emission
Stack attached to	: Tumbler NO-04
Capacity of Boiler	: 60 kg
Date of Sampling	: 19.12.2025
Normal Operating Schedule	: as per requirement
Type of Fuel	: PNG
Type of Stack	: MS/ Circular
Stack Height from Ground Level	: 14 mtr
Stack Diameter	: 75 mm
Sampling Duration (Minutes)	: 34
Ambient Temperature (^{0}C)	: 15
Stack Temperature (^{0}C)	: 60
Stack Gas Velocity (m/s), Avg	: 17.3
Quantity of Flue Gas Emission (m^3/Hr)	: 243
APCS Attached	: ---
Sample Packing & Marking	: Plastic Bottle, Thimble Packed in Zip Polybag

ANALYSIS RESULT

*S. No.	Parameters	Unit	Results	Limits as per the E(P)A Rules	Test Method
1.	Particulate Matter (PM)	mg/Nm^3	17.6	150	IS: 11255 (Part-01)
2.	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3.	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4.	Carbon Monoxide (CO)	% v/v	<0.2	1.0	IS: 13270

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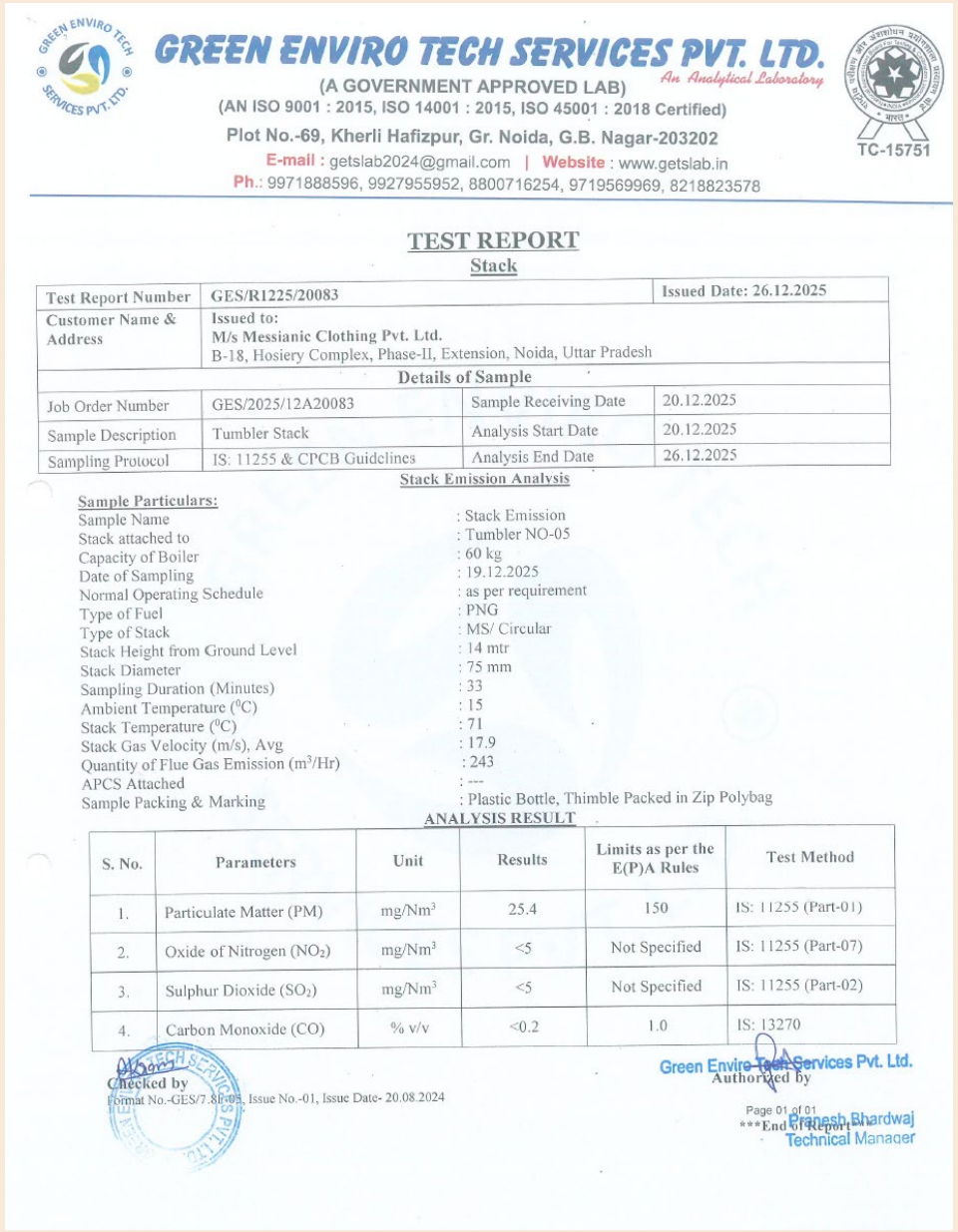
TUMBLER STACK EMISSION REPORT
2025 – 60 KG – TUMBLER NO. 5



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Ph.: 9971888596, 9927955952, 8800716254, 9719569969, 8218823578
TC-15751

TEST REPORT
Stack

Test Report Number	GES/R1225/20083	Issued Date: 26.12.2025
Customer Name & Address	Issued to: M/s Messianic Clothing Pvt. Ltd. B-18, Hosiery Complex, Phase-II, Extension, Noida, Uttar Pradesh	

Details of Sample

Job Order Number	GES/2025/12A20083	Sample Receiving Date	20.12.2025
Sample Description	Tumbler Stack	Analysis Start Date	20.12.2025
Sampling Protocol	IS: 11255 & CPCB Guidelines	Analysis End Date	26.12.2025

Stack Emission Analysis

Sample Particulars:

Sample Name	: Stack Emission
Stack attached to	: Tumbler NO-05
Capacity of Boiler	: 60 kg
Date of Sampling	: 19.12.2025
Normal Operating Schedule	: as per requirement
Type of Fuel	: PNG
Type of Stack	: MS/ Circular
Stack Height from Ground Level	: 14 mtr
Stack Diameter	: 75 mm
Sampling Duration (Minutes)	: 33
Ambient Temperature (^{0}C)	: 15
Stack Temperature (^{0}C)	: 71
Stack Gas Velocity (m/s), Avg	: 17.9
Quantity of Flue Gas Emission (m^3/Hr)	: 243
APCS Attached	: ---
Sample Packing & Marking	: Plastic Bottle, Thimble Packed in Zip Polybag

ANALYSIS RESULT

S. No.	Parameters	Unit	Results	Limits as per the E(P)A Rules	Test Method
1.	Particulate Matter (PM)	mg/Nm^3	25.4	150	IS: 11255 (Part-01)
2.	Oxide of Nitrogen (NO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-07)
3.	Sulphur Dioxide (SO_2)	mg/Nm^3	<5	Not Specified	IS: 11255 (Part-02)
4.	Carbon Monoxide (CO)	% v/v	<0.2	1.0	IS: 13270

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Technical Manager

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COMPLIANCE & IMPROVEMENT MEASURES

Regulatory Compliance: Align with **CPCB, IPCC, and EPA** emission thresholds.

Emission Reduction Strategies: Shift to **low-emission fuels, energy efficiency projects**.

Technology Upgrades: Use **cleaner industrial processes & efficient transport options**.

Periodic Audits & Reporting: Conduct **annual environmental audits & transparency reporting**.

CONCLUSION

This framework ensures **comprehensive non-GHG emissions reporting**, aligning with **ISO 14001 standards** and focusing on **operational control, regulatory compliance, and continuous improvement**.

By implementing this approach, Messianic Clothing Pvt. Ltd. aims to enhance **environmental responsibility, transparency, and sustainability efforts**.

END OF REPORT