

Snowtex Outerwear Ltd

B-65/3, Lakuriapara, Dhulivita, Dhamrai, Dhaka-1350

ENVIRONMENTAL SUSTAINABILITY REPORT-2024

AIR EMISSION REPORT-2024

DESCRIPTION OF ANALYSIS REPORT FROM DIESEL GENERATOR

SN	Sample Description	Concentration Present of the Parameters								
		SPM	NO _x	SO ₂	CO	O ₃	CO ₂	Pb	O ₂	NH ₃
	Method of Analysis	Gravi-metric	EPA Method (7-1)	Hydrogen per - Oxide	ORSAT Method	UV Method	ORSAT Method	AAS	ORSAT Method	Nessler's UV-Vis Method
01	Emission Source from Diesel Generator Exhaust (Power Capacity- 2000 KVA) Brand: CATÉRPILLAR Model: 3516B SN: Y2B00181	4.11	17.14	21.18	376	ND	2.5 %	0.017	12.5 %	<0.001
	Air flow rate: 7.1 m/s Mass emission (kg/hour) Total Hours 15/Month Diameter: 16 inch	1.30	5.44	6.72	119	-	15594	0.005	-	-
02	Emission Source from Diesel Generator Exhaust (Power Capacity- 1000 KVA) Brand: CATÉRPILLAR Model: 1100F SN: CAT00C32CJAZ02922	2.19	8.21	13.27	218	ND	1.4 %	0.009	8.3 %	<0.001
	Air flow rate: 5.9 m/s Mass emission (kg/hour) Total Hours 26/Month Diameter: 12 inch	0.46	1.75	2.83	46	-	5879	0.001	-	-
03	Emission Source from Diesel Generator Exhaust (Power Capacity- 1000 KVA) Brand: CATÉRPILLAR Model: C32 SN: G1B03180	2.23	9.12	12.21	226	ND	1.3 %	0.008	8.4 %	<0.001
	Air flow rate: 5.7 m/s Mass emission (kg/hour) Total Hours 28/Month Diameter: 12 inch	0.47	1.96	2.62	48	-	5487	0.001	-	-
04	Emission Source from Diesel Generator Exhaust (Power Capacity- 650 KVA) Brand: CATÉRPILLAR Model: DE715ED SN: CAT00C18TLXK04151	1.18	5.23	8.15	139	ND	1.0 %	0.006	6.2 %	<0.001
	Air flow rate: 5.1 m/s Mass emission (kg/hour) Total Hours 32/Month Diameter: 8 inch	0.10	0.45	0.71	12	-	1716	0.0005	-	-

05	Emission Source from Diesel Generator Exhaust (Power Capacity- 670 KVA) Brand: CATERPILLAR Model: P650B SN: 21948	1.31	6.25	9.17	171	ND	1.1 %	0.010	6.5 %	<0.001
	Air flow rate: 5.5 m/s									
	Mass emission (kg/hour) Total Hours 12/Month Diameter: 8 inch	0.049	0.23	0.34	6.51	-	823	0.0003	-	-

DESCRIPTION OF ANALYSIS REPORT FROM GAS BOILER

SN	Sample Description	Concentration Present of the Parameters								
		SPM	NO _x	SO ₂	CO	CO ₂	O ₂	Pb	O ₃	NH ₃
	Method of Analysis	Gravi-metric	EPA Method (7-1)	Hydrogen Per-oxide	ORSAT Method	ORSAT Method	ORSAT Method	AAS	UV Method	Nessler's UV-Vis Method
01	Emission Source from Gas Boiler Exhaust Steam Capacity 750 Kg Brand: Forbes Marshall Model: FVPL-2186 SN: FVPL-15-2133	2.31	13.22	2.22	0.03 %	2.3 %	10.3 %	0.0017	ND	2.17
	Air flow rate: 4.1 m/s									
	Mass emission (kg/hour) Total Hours 295/Month Diameter: 12 inch	2.70	15.49	2.60	351	52924	-	0.0019	-	2.54
02	Emission Source from Gas Boiler Exhaust Steam Capacity 300 Kg Brand: Forbes Marshall SN: FVPL-14-2021	1.17	7.15	1.10	0.02 %	1.6 %	10.0 %	0.0011	ND	1.12
	Air flow rate: 3.7 m/s									
	Mass emission (kg/hour) Total Hours 157/Month Diameter: 6 inch	0.14	0.90	0.13	25	3989	-	0.0001	-	0.14

DESCRIPTION OF ANALYSIS REPORT FROM DIESEL BOILER

SN	Sample Description	Concentration Present of the Parameters								
		SPM	NO _x	SO ₂	CO	CO ₂	O ₂	Pb	O ₃	NH ₃
	Method of Analysis	Gravi-metric	EPA Method (7-1)	Hydrogen Per-oxide	ORSAT Method	ORSAT Method	ORSAT Method	AAS	UV Method	Nessler's UV-Vis Method
01	Emission Source from Diesel Boiler Exhaust Steam Capacity 1500 KG Brand: THERMAX Model: SM GLOBAL 15E/10.54/10/E SN: 222191	2.43	13.22	18.11	0.03 %	2.2 %	10.0 %	0.088	ND	<0.001
	Air flow rate: 5.2 m/s									
	Mass Emission (kg/hour) Total Hours 342/Month Diameter: 12 Inches	5.30	28.88	39.57	655	94405	-	0.192	-	-