

Report Number : BA-ENV-2023-08
Date : 09 March, 2023

WORKPLACE ENVIRONMENTAL ASSESSMENT REPORT

Ambient Air Quality Assessment

Facility Name : IRIS Fabrics Limited.
Facility Address : Zirani Bazar, Kashimpur, Gazipur
GPS Coordinate : Latitude : 23.999265 | Longitude: 90.251186
Facility Tel : +8801817049518
Facility Contact : Mohammad Ahsan Alim – GM (Admin, HR & compliance)
Facility Email : admin@irisgroupbd.com
Description of Equipment : Air Quality Monitor- YesAir, Air Quality Monitor- DM106
Data Collection Date & Time : 09 March 2023, 10:40 AM-02:55 PM (Running Condition)
Conducted By : Md. Monoarul Islam, & Hasan Tawhid

Assessment Result :

Location	SPM ($\mu\text{g}/\text{m}^3$)	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	CO (mg/m ³)	VOC (ppm)	Temp. (°C)	RH (%)	CO ₂ (ppm)
South Side	104	65	31	28.8	22.6	0.58	0.01	27.1	51	312
East Side	95	71	34	34.1	18.8	0.53	0.03	26.8	53	308
North Side	76	62	37	26.2	20.7	0.62	0.04	27.0	48	303
West Side	84	68	35	31.4	24.5	0.49	0.02	26.9	54	315

* SPM is tested from another ISO-17020:2012 accredited inspection body

Standard Requirement :

Regulatory Body	PM _{2.5}	PM ₁₀	SO ₂	NO ₂	CO	CO ₂	Temp.	RH	VOC
	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	mg/m ³	ppm	°C	%	ppm
Environmental Conservation Rules-1997 (Amended, 2005)	65 (24h)	150 (24h)	365 (24h)	100 (Annual)	10 (8h)	NYS	NYS	NYS	NYS
Air Pollution (Control) Rules-2022	65 (24h)	150 (24h)	80 (24h)	80 (24h)	5 (8h)	NYS	NYS	NYS	NYS
IFC/ WB standard	75 (24h)	150 (24h)	125 (24h)	40 (Annual)	NYS	NYS	NYS	NYS	NYS
OSHA Standard for VOC									0.75

* h= Average duration in hour; NYS= Not Yet Set

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Abbreviation : PM10 (Respirable Dust Content), PM2.5 (Fine Particulate Matter), SO₂ (Sulphur-Di-Oxide), NO₂ (Nitrogen Di-Oxide), CO (Carbon Monoxide), CO₂ (Carbon Di-Oxide), VOC (Volatile Organic Compound), RH (Relative Humidity), Temp. (Temperature), WB (World Bank), IFC (International Finance Corporation).

Comment: Assessment result of ambient air quality shows that the concentrations of air quality parameters has been found within the acceptable limit set by Environmental Conservation Rule-1997 (Amended, 2005), Air Pollution (Control) Rules-2022, and Air Emissions & Ambient Air Quality guidelines of IFC/ WB.

Report prepared by



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Supplier Management
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ITS Labtest Bangladesh Ltd.

Report authorized by



Shoriful Islam
Head of Business Assurance
Supplier Management
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