

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

WORKPLACE ENVIRONMENTAL ASSESSMENT REPORT

Indoor and Ambient Noise Level 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 : Lutron 141, SL-4010, Sound Level Meter
Data Collection Date & Time : 09 March 2023, 10:40 AM-02:55 PM (Running Condition)
Conducted By : Md. Monoarul Islam, & Hasan Tawhid

Assessment Result (Indoor) :

Building	Location	Section	Noise Level (dBA)
Building-1	Ground Floor	Embroidery Section	81.7
		Knitting Section	80.5
	1 st Floor	Finishing Section	73.5
		Spot Removing Room	68.2
	2 nd floor	Sewing Section	74.6
	3 rd Floor	Sewing section	73.8
	4 th Floor	Finishing section	68.4
		Spot removing Room-1	64.7
		Spot removing Room-2	70.8
	5 th floor	Sewing section	74.4
	6 th Floor	Cutting section	73.9
	7 th Floor	Sewing Section	73.8
Finishing Section		67.9	
Spot removing room		63.6	
Building-2	Ground Floor	Dyeing section	74.1
		Finishing Section	74.8
		Washing Section	77.5
		Chemical sub-store	56.7
	1 st floor	Printing section	65.4
		Color kitchen room	61.2
Utility Section	Ground Floor	Generator room	98.3
		Boiler room	82.7

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Building	Location	Section	Noise Level (dBA)
Utility Section	Ground Floor	Compressor room	84.5
		ETP	74.8
		WTP	86.9

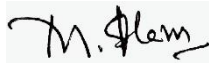
Assessment Result (Ambient) :

Location	Noise Level (dBA)
Facility North side	69.3
Facility South side	58.8
Facility East side	67.4
Facility West side	63.5

Standard Requirement: According to the Environment Conservation Rules 1997, the industrial area noise level should be 75 dBA at daytime and 70 dBA at night-time. According to World Health Organization (WHO), the noise level standard for indoor workplace area is 85 dBA. According to Bangladesh Labor Rules-2015, working in the area more than 80 dBA noise level recognize as hazardous.

Comment: From the assessment it is revealed that the indoor workplace noise levels were found within the acceptable level in most of the sections in comparison to the ECR-1997, Bangladesh Labor Rules & WHO noise level standard except in few areas (marked bold) in the above table. Furthermore, the ambient noise level has been found within the standard limit. Employees are required to use ear plug where values are between 75-85 dBA and earmuff where value is above 85 dBA to minimize occupational hazard.

Report prepared by



Md. Monoarul Islam

Auditor

Supplier Management

Business Assurance

ITS Labtest Bangladesh Ltd.

Report authorized by



Shoriful Islam

Head of Business Assurance

Supplier Management

Business Assurance

ITS Labtest Bangladesh Ltd.