

Report Number : ITS-ENV-2024-06-A
Date : 03 April, 2024.

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 : 31 March 2024, 9:15 AM-2:25 PM (Running Condition)
Conducted By : Mohammad Waliullah & Kamrun Nahar

Assessment Result (Indoor) :

Building	Location	Section	Noise Level (dBA)
Building-1	Ground Floor	Embroidery Section	86.3
		Knitting Section	81.2
	1 st Floor	Finishing Section	72.3
		Spot Removing Room	70.1
	2 nd floor	Sewing Section	75.4
	3 rd Floor	Sewing Section	74.8
	4 th Floor	Finishing Section	69.7
		Spot Removing Room-1	65.2
		Spot Removing Room-2	68.9
	5 th floor	Sewing Section	78.3
	6 th Floor	Cutting Section	74.7
	7 th Floor	Sewing Section	74.9
Finishing Section		71.0	
Spot Removing room		73.4	
Building-2	Ground Floor	Dyeing Section	74.5
		Finishing Section	74.7
		Washing Section	78.2
		Chemical Sub-store	56.7
	1 st floor	Printing Section	71.9
		Color Kitchen Room	65.3
Utility Section	Ground Floor	Generator Room	106.5
		Boiler Room -1	90.7

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Building	Location	Section	Noise Level (dBA)
Utility Section	Ground Floor	Boiler Room-2	86.7
		Compressor Room	91.1
		ETP	74.9
		WTP	83.5

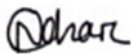
Assessment Result (Ambient) :

Location	Noise Level (dBA)
Facility North side	59.0
Facility South side	58.1
Facility East side	59.5
Facility West side	68.5

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



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Report authorized by



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