



Noise Level Quality Monitoring Report:

Mondol Intimates Ltd.



Report Prepared BY:
Greentech Testing Company Ltd.
Date of Testing: April 15, 2017
Date of Report Submitting: April 20, 2017



GREENTECH TESTING COMPANY

Environmental Testing, Inspection, Assessment, Calibration
& Consultancy Organisation.



Certificate Number: GT ET/VER/17/2231

Noise Level Quality Monitoring Report

Issued By	Greentech Testing Company Ltd. House No: 4 Sobhanbag, 123 Mohammadia Super Market (2 nd Floor), Mirpur Road, Dhaka-1207. Contact Number: 01795-333332 E-mail: info@greentechbd.biz
Date of Issue	: April 20, 2017
Certificate Number	: Certificate Number: GT ET/VER/17/2231
Customer	: Mondol Intimates Ltd. Shirir Chala, Bager Bazar, Gazipur, Bangladesh.
Description	Noise Level Quality Monitoring of : Mondol Intimates Ltd.
Date of Assessment	: April 15, 2017

Approved By:

Prepared By:

Ms. Sadia Afrin Nitol
Environmental Specialist
Head of- Quality Assurance



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Environmental Condition:

Ambient Temperature : 31.5 °C
Relative Humidity : 54% RH
Weather Condition : Sunny (Summer Session)

Description of Sampling:

Inspection has been done to measure the sound Level for every section of the facility. Greentech Testing Company Ltd. Assessor Mr. Arifullah has conducted the workplace noise level inspection. During the sampling procedure, all instruction stated in the Greentech Testing Company Ltd. work instruction **WI-02** has followed.

Test Method:

Sound Pressure is measured in decibel (dB) based on electric condenser microphone. The instrument is based on **IEC 651**, type 2 economical type.

Instrument's Specifications:

Instrument Name : Digital Sound Level Meter
Measuring Range : 35 to 130 dB.
Resolution : 0.1 dB
Accuracy : ± 3.5 dB

Corporate office:

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Inspection Results:

Time & Duration: The Inspection has been done between 9.45 AM to 1.00 PM & 2.30 PM to 4.30 PM

S.L	Name of Section or Area	Place of Testing	Measured Noise Level In dB	Comparative Standard dB
1	Dining Room	8th Floor, Main Building	68.6	OSHA Standard: Maximum Permissible noise level is 90 dB for 8 hour exposure. According to the ECR 97: In the Industrial zone 75 dB At Day and 70 dB at night time respectively.
2	Sample Section	7th Floor, Main Building	65.8	
3	Training Room	7th Floor, Main Building	70.2	
4	Sample Office Room	7th Floor, Main Building	65.6	
5	Sewing Section	5th Floor, Main Building	73.5	
6	Finishing Section	5th Floor, Main Building	71.7	
7	Cutting Section	5th Floor, Main Building	72.6	
8	Spot Removing Room	5th Floor, Main Building	75	
9	Sewing Section	4th Floor, Main Building	73.4	
10	Finishing Section	4th Floor, Main Building	70.6	
11	Cutting Section	4th Floor, Main Building	74.6	
12	Spot Removing Room	4th Floor, Main Building	75	
13	Sewing Section	3rd Floor, Main Building	74.3	
14	Finishing Section	3rd Floor, Main Building	70.4	
15	Cutting Section	3rd Floor, Main Building	74.7	
16	Spot Removing Room	3rd Floor, Main Building	75.7	
17	Sewing Section	2nd Floor, Main Building	74.1	
18	Finishing Section	2nd Floor, Main Building	69.7	
19	Cutting Section	2nd Floor, Main Building	74.1	
20	Spot Removing Room	2nd Floor, Main Building	76.3	
21	Medical Center	1st Floor, Main Building	63.7	
22	Child Care Room	1st Floor, Main Building	68.4	
23	Generator Room	Ground Floor, Main Building	94.6	

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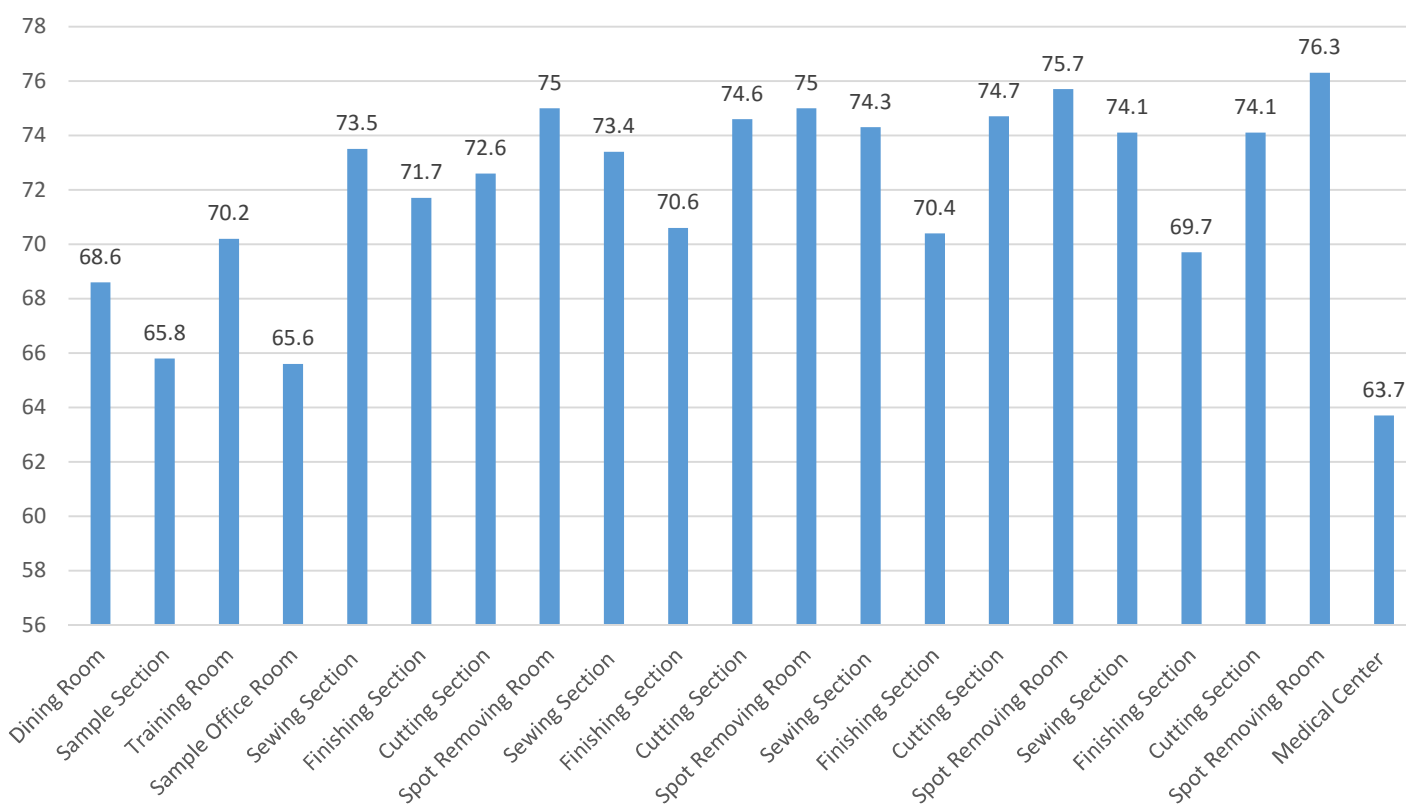
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Graph of Noise Level



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Discussion and Recommendation:

The work place noise level of “**Mondol Intimates Ltd.**” has been found satisfactory in most of the sections in comparison to the Ambient Noise quality. However, as the measured noise level of Generator Room Area (Ground Floor, Generator Room) has been exceed both the Noise level Standard of OSHA and ECR 97.

Noise level must has to be less than 75 dB because worked working under a condition more than 85dB is harmful for health in short and long term. Mainly personal working at the acceptable limit of Environment Bangladesh (DOE) and World health Organization. So the following recommendations are suggested to reduce the adverse effect:

- Provision of silencers for Generator.
- Planting of trees around the factory site.
- Regular factory maintenance.
- Regular noise monitoring.
- Use of ear-muffs and ear-plugs by factory personal in Generator room.

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