

DEPARTMENT OF MECHANICAL ENGINEERING

Dhaka University of Engineering & Technology, Gazipur
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যন্ত্রকৌশল বিভাগ

ঢাকা প্রকৌশল ও প্রযুক্তি বিশ্ববিদ্যালয়, গাজীপুর
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Noise Level Test of Pretty Sweaters Ltd.

Sent by : Md. Arif Hasan Jony
Assistant Manager, Compliance.
Pretty Sweaters Ltd.
Plot no#222, Gacha, Chayadhana, Gazipur. •
Ref. No. : PG/Co/Admin-0003/PSL/QUO-WO (193)
Name of Test : Noise Level Test from sources
Date of Test : 09/04/2017
Test due : 08/04/2018
Test Performed by : Department of Mechanical Engineering, DUET, Gazipur
Report Memo No. : DUET/ME/CRTS/2017/04/38

A digital sound level meter with RS232 (EXTECH Instruments) was used to measure noise level.

Sound/Noise Level test results:


Sl. No.	Test Locations/Sources	Unit	Measured Noise/Sound Level	OSHA Standard (Max. Limit)	Remarks
1	Generator-1	dB	109.1	110 (0.5 hours)	Satisfactory
2	Generator-2	dB	108.4	110 (0.5 hours)	
3	Generator-3	dB	105.4	110 (0.5 hours)	
4	Generator-4	dB	106.5	110 (0.5 hours)	
5	Boiler - 1	dB	83.2	90 (8 hours)	
6	Boiler - 2	dB	82.5	90 (8 hours)	


Reference: OSHA Regulation (Standards- 29 CFR), 1997 Table Z- 1 Limits for Air Contaminants (updated as of June 2013).


Remarks: According to the OSHA standard, in generator room 110dB is the permissible noise level for a worker exposure time of about 0.5hr. It was found all sound levels are below the standard limit in generator room. In boiler room and other production floor sections, all measured noise levels are below the maximum limit.

Test Performed by-


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Mr. Md. Shabin Mia
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