

**Test Report
On
Ambient Noise Level Assessment**

Prepared
For
Cotton Clothing (BD) Ltd.

Kazi Tower, 27 Road, Gazipur, Tungi, Gazipur, Bangladesh.

Report No. XSAN-3RECL-2017-1061



Prepared by

Ambient Noise Level Assessment At Cotton Clothing (BD) Ltd.

Kazi Tower, 27 Road, Gazipura, Tungi, Gazipur, Bangladesh.

Report No.	XSAN-3RECL-2017-1061
Sampling Date	April 26, 2017
Time of Sampling	11:00 a.m.- 01:00 p.m.
Reporting Date	April 27, 2017

Outside Weather Conditions	
Temperature	32.9°C
Humidity	64.2% RH
Visibility	Summer & Sunny Atmosphere

Method of Sampling & Analysis

Sampling and measurement of noise level was done following international standard "CAN/CSA Z107.56-06 Procedures for the Measurement of Occupational Noise Exposure standard".

Description of Instrumentation

Calibrated CEM DT-8850 Sound Level Meter was used to measure the sound intensity. The instrument IEC is 61672-1 Type 2 standards.

Range of Measurement	35dB~130dB
Accuracy	1.4dB at 94dB sound level, 1kHz sine wave
Resolution	0.1dB

Measurement Uncertainties

An uncertainty of measurement is $\pm 2.5\%$ for the following measurements.

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Team

All the experiments and reporting have been done under the supervision of

Mohammad Kabir Hossain (MSc in Environment & Sustainable Technology, Manchester, UK).

Team members involved in field experiments and reporting

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Lab Analyst, 3R Environmental Consulting Limited

- ❖ **Mohammad Mosarof Hossain**

Assistant Technical officer, 3R Environmental Consulting Limited

Result of Assessment

Building/Floor	Section	Avg. Noise Level (dB)	Recommended Value
Outside of Factory	East Zone	72.30	Department of Environment, Bangladesh (National) 75 dB is counted daytime World Bank/ IFC Standard (International) 70 dB is counted daytime
Outside of Factory	West Zone	71.60	
Outside of Factory	North Zone	68.20	
Outside of Factory	South Zone	70.40	

Expert's Comment and Recommendation

It has been observed that the Ambient Noise Level of the factory is **Satisfactory** according to the **Department of Environment (DoE)** standards. To meet up all standards, it is highly recommended that enough vegetation should be installed in surrounding environment.

Prepared by

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