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Test Report On

Ambient Noise Level Assessment

Prepared For

Cotton Clothing (BD) Ltd.

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

Report No. XSAN-3RECL-2017-1061



Prepared by



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

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

XSAN-3RECL-2017-1061 April 26, 2017				
			11:00 a.m 01:00 p.m.	
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	ment 35dB~130dB	
Accuracy	1.4dB at 94dB sound level, 1kHz sine wave	
Resolution	0.1dB	

Measurement Uncertainties

An uncertainty of measurement is ±2.5% for the following measurements. Ambient Noise Level Assessment Report Cotton Clothing (BD) Ltd. Report No. XSAN-3RECL-2017-1061

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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

- Md. Sarwar Kabir (BSc in Electrical and Electronics Engineering)
 Chief Technical officer, 3R Environmental Consulting Limited
- Mithila Chakraborty (BSc and MSc in Soil, Water and Environment)
 Lab Incharge, 3R Environmental Consulting Limited
- Mohammad Faridul Islam (BSc & MSc in Environment Science)
 Lab Analyst, 3R Environmental Consulting Limited
- Mohammad Mosarof Hossain

Assistant Technical officer, 3R Environmental Consulting Limited

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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	

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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

MD. FARIDUL ISLAM M.Sc. (NSU), B.Sc. (Hon's, MBSTU) Department of Environmental Science Lab Analyst

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Checked by

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Approved by

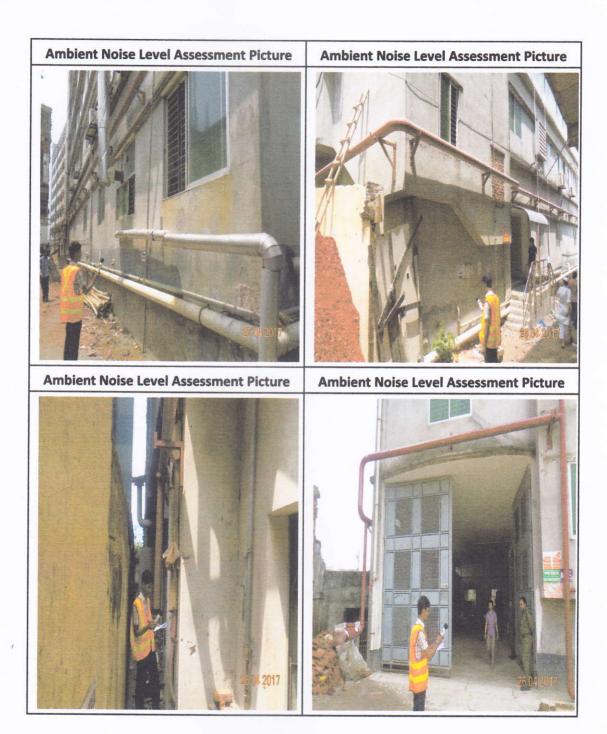
MD. SARWAR KABIR
Chief Executive

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