



## NOISE QUALITY TEST REPORT

Date of Study - 31.03.2016	Method No. - IS:10988-1984
Reporting Date - 08.04.2016	Sample Description - Noise
Test Report No. - 295/EC/M/15-16	Time of Duration - 20 Minutes
Name of Industry/Company/Factory - FOUNDRY CLUSTER DEVELOPMENT ASSOCIATION (F.C.D.A)	Height from Ground Level - 4 feet
Address - Domjur, Amta-Ranihati Road, District - Howrah	Type of Industry - Foundry Park
	Remarks - Nil

### Limit in dB(A) Leq

Category of Area	Limit in dB(A) Leq	
	Day Time	Night Time
1. Industrial Area	75	70
2. Commercial Area	65	55
3. Residential Area	55	45
4. Silence Zone	50	40

\* Day Time is reckoned in between 6:00 A.M & 10:00 P.M

\* Night Time is reckoned in between 10:00 P.M & 6:00 A.M

(Central Pollution Control Board Ministry of Environment & Forests Government of India) &  
(Department of Environment Government of West Bengal)

### PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS

Exposure time (in hours per day)	Limit in dB(A)
8	90
4	93
2	96
1	99
1/2	102
1/4	105
1/8	108
1/16	111
1/32	114
(2 minutes or less)	



## 1. Sampling Location: Near Office

Time (A.M)	(Day)	:	dB(A)	RESULT		
				Minimum dB(A)	Maximum dB(A)	L <sub>eq</sub> dB(A)
11:00 - 11:20		:	65.3	63.2	68.1	66.20
			63.2			
			64.8			
			64.0			
			66.1			
			66.3			
			67.3			
			68.1			
			66.5			
			67.8			

## 2. Sampling Location: WW1 Side

Time (A.M)	(Day)	:	dB(A)	RESULT		
				Minimum dB(A)	Maximum dB(A)	L <sub>eq</sub> dB(A)
11:30 - 11:50		:	56.7	53.8	60.8	57.83
			55.4			
			53.8			
			54.6			
			55.8			
			58.3			
			60.8			
			59.3			
			59.7			
			58.3			

## 3. Sampling Location: WW2 Side

Time (P.M)	(Day)	:	dB(A)	RESULT		
				Minimum dB(A)	Maximum dB(A)	L <sub>eq</sub> dB(A)
12:00 - 12:20		:	58.7	58.2	64.2	61.52
			61.4			
			58.2			
			60.9			
			61.3			
			62.7			
			64.2			
			63.7			
			59.4			
			60.5			

\*\* Mean of L<sub>eq</sub> - Equivalent to Sound Energy

Authorized Signatory