

STAR CEMENT MEGHALAYA LIMITED

September – 2017

STACK EMISSION MONITORING RESULTS (Average Values)

S. No.	Stack Attached To	Particulate Matter (mg/Nm ³)
1	Limestone Crusher Bag Filter	15.72
2	Additive Crusher Bag Filter	16.96
3	Coal Mill	20.40
4	RABH	18.82
5	Cooler ESP	21.84

AMBIENT AIR QUALITY MONITORING RESULTS (Average Values)

Stations ↓	Parameters →	Respirable Suspended particulate Matter ($\mu\text{g}/\text{m}^3$)		Gaseous Emission ($\mu\text{g}/\text{m}^3$)	
		PM ₁₀	PM _{2.5}	SO ₂	NO ₂
Station #1 (Near Pump House)		46.95	29.47	6.91	9.02
Station #2 (Near Worker Colony)		41.49	26.25	6.26	8.53
Station #3 (Behind MPL DM Plant)		46.01	28.39	6.87	8.96
Station #4 (Near Water Reservoir)		43.82	26.89	6.48	8.85
Station #5 (Near Raw Mill Hopper)		47.82	29.91	7.22	9.38

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FUGITIVE EMISSION MONITORING RESULTS (Average Values)

Location	Fugitive Emission Results (in $\mu\text{g}/\text{m}^3$)	Limit (in $\mu\text{g}/\text{m}^3$)
Coal Storage Section	1245	2000
Clinker Loading Section	1886	2000
Limestone Storage Section	1280	5000