



NABL ACCREDITED
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ULR NO – TC51091800000933P

Format No. : EC/TRT/42/FM/04

TEST REPORT

Report Release Date	: 20.11.2018	Sample Ref. No.(ARF)	: EC/ARF/29/181158
Test Report No	: EC/TR/42/11068	Source of Sample	: Cement Plant
Type of Sample	: Suspended Dust & Gases	Sampling Date	: 15.11.18 to 16.11.18
Sample Collected by	: Mr. Ranjeet Yadav & Team	Period of Analysis	: 19.11.18 to 20.11.18
Sample Details	: Ambient Air	Sample Condition	: Sealed & Preserved
Name & Address	: Burnpur Cement Limited Patratu Industrial Area Patratu, Dist. Ramgar Jharkhand	Remarks	: ----
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Deviation if any	: None

Sampling Location: Near Silo

SL NO	TESTS	PROTOCOL	Limit as per NAAQS	RESULT
1	Particulate Matter PM ₁₀ µg/m ³	IS 5182:Part 23:2006	100	67.34
2	Particulate Matter PM _{2.5} µg/m ³	EPA CFR40(50), Appendix 1	60	34.11
3	Sulphur Dioxide (SO ₂), µg/m ³	IS 5182:Part 2:2001	80	26.08
4	Nitrogen Dioxide (NO _x), µg/m ³	IS 5182:Part 6:2006	80	31.57
5	Lead (Pb), µg/m ³	AAS METHOD AFTER SAMPLING	1.0	0.32
6	Arsenic (As), ng/m ³	AAS METHOD AFTER SAMPLING	6	< 0.50
7	Nickel (Ni), ng/m ³	AAS METHOD AFTER SAMPLING	20	07.82
8	Carbon Monoxide (CO), mg/m ³	NDIR SPECTROSCOPY	2	0.143
9	Ammonia (NH ₃), µg/m ³	INDO PHENOL BLUE METHOD	400	41.78
10	Benzo(Alpha) Pyrene, ng/m ³	ABSORPTION & DESORPTION FOLLOWED BY GC ANALYSIS	1	0.125
11	Ozone (O ₃), µg/m ³	CHEMICAL METHOD	180	38.38
12	Benzene (C ₆ H ₆), µg/m ³	ABSORPTION & DESORPTION FOLLOWED BY GC ANALYSIS	5	0.145

1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval of laboratory.

Authorised Signatory
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Dy Technical Manager