



Eco Care



NABL ACCREDITED
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Specialised House on Environmental Monitoring, Analysis, Assessment & Management

ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

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ULR NO – TC510918000000931P

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/42/11066	Source of Sample	: Cement Plant
Type of Sample	: Suspended Dust & Gases	Sampling Date	: 14.11.18 to 15.11.18
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 Main Gate

SL NO	TESTS	PROTOCOL	Limit as per NAAQS	RESULT
1	Particulate Matter PM ₁₀ µg/m ³	IS 5182:Part 23:2006	100	74.25
2	Particulate Matter PM _{2.5} µg/m ³	EPA CFR40(50), Appendix 1	60	37.66
3	Sulphur Dioxide (SO ₂), µg/m ³	IS 5182:Part 2:2001	80	24.32
4	Nitrogen Dioxide (NO _x), µg/m ³	IS 5182:Part 6:2006	80	38.62
5	Lead (Pb), µg/m ³	AAS METHOD AFTER SAMPLING	1.0	0.24
6	Arsenic (As), ng/m ³	AAS METHOD AFTER SAMPLING	6	< 0.50
7	Nickel (Ni), ng/m ³	AAS METHOD AFTER SAMPLING	20	06.88
8	Carbon Monoxide (CO), mg/m ³	NDIR SPECTROSCOPY	2	0.157
9	Ammonia (NH ₃), µg/m ³	INDO PHENOL BLUE METHOD	400	36.23
10	Benzo(Alpha) Pyrene, ng/m ³	ABSORPTION & DESORPTION FOLLOWED BY GC ANALYSIS	1	0.138
11	Ozone (O ₃), µg/m ³	CHEMICAL METHOD	180	45.56
12	Benzene (C ₆ H ₆), µg/m ³	ABSORPTION & DESORPTION FOLLOWED BY GC ANALYSIS	5	0.126

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.

(Signature)
Authorised Signatory

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Dy Technical Manager