



Eco Care



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Specialised House on Environmental Monitoring, Analysis, Assessment & Management

ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

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Format No. : EC/TRT/42/FM/01

TEST REPORT

Report Release Date	: 25.06.2018	Sample Ref. No.(ARF)	: EC/ARF/29/180662
Test Report No	: EC/TR/42/06296	Source of Sample	: Cement Plant
Type of Sample	: Dust & Gaseous Emission	Sampling Date	: 18.06.2018
Sample Collected by	: Mr. Ranjeet Yadav & Team	Period of Analysis	: 21.06.18 to 22.06.18
Sample Details	: Stack Emission	Sampling Location	: D.G. Stack
Name & Address	: Burnpur Cement Limited Patratu Industrial Area Patratu, Dist.- Ramgarh Jharkhand	Sample Condition	: Preserved & Sealed
		Sample Stamped	: TH - 447
		Sample Drawn By	: ECO CARE
		Sampling Plan & Procedure	: EC/SOP/03/01
		Remarks	: ----
		Deviation if any	: None

GENERAL INFORMATION

1	Particular of the Plant	: Cement Plant
2	Emission Due to	: Burning of HSD
3	Stack Connected to	: D. G. Set (250 KVA)
4	Material of Construction	: M.S
5	Stack Height from G.L.	: 3.048 m
6	Height of Sampling Port from G.L.	: ----
7	Height of Sampling Port from L.D.Z.	: ----
8	Dimension of Stack at Sampling Port	: 0.15 m
9	Shape of the Stack	: Circular
10	Working Load	: 250 KVA

FUEL CHARACTERISTIC REPORT

1	Source of Energy	: Diesel
2	Energy Consumption	: 17 ltr/hr
3	Calorific Value (K-Cal/Kg)	: ----

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

Method

1	Flue Gas Temperature	253 °C	IS 11255 : Part 3
2	Barometric Pressure	748 mm Hg	IS 11255 : Part 3
3	Velocity of Flue Gas	20.94 m/sec	IS 11255 : Part 3
4	Flue Gas Quantity	745 NM ³ /hr	IS 11255 : Part 3
5	Concentration of Particulate Matter	76.54 mg/NM ³	IS 11255 : Part 1
6	Concentration of Carbon Dioxide %	4.4	IS 13270
7	Concentration of SO ₂	33.56 mg/NM ³	IS 11255 : Part 2
8	Concentration of NO _x	56.24 mg/NM ³	IS 11255 : Part 7

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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