



ENVIRONMENTAL LABORATORIES & ENGINEERING SERVICES PVT. LTD.

PLOT NO-30, MANSROVAR ENCLVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
Email: eles.ranchi@gmail.com
GST NO:- 20AAECE9713D1Z4

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ISO 9001:2015 CERTIFIED, OHSAS 18001:2007 CERTIFIED
Jharkhand State Pollution Control Board, Certified Lab.
Environmental Pollution Monitoring & Analysis

Dispatch No: ELES/FM/48/30

TEST REPORT OF AMBIENT AIR QUALITY MONITORING

Report Release Date :06/06/2019	Sample Ref. No. :BUR/0406/AA/58
Test Report No :ELES/TR/58/2019	Source of Sample : Cement Industry
Type of Sample :Particulate matters & Gases	Sampling Date :03/06/2019 to 04/06/2019
Sample Collected by :Bijon & Team	Period of Analysis :05/06/2019
Sample details : Ambient air	Sample Condition :Sealed & preserved
Plant Status :Operational	Remarks :-----
Name & Address :M/S Burnpur Cement Limited, Patratu Industrial Area, PO + P.S.- Patratu, Dist- Ramgarh- 829119, Jharkhand	Sample Drawn By : ELES Pvt Ltd.
	Sampling Plan & Procedure: ELES/SOP/01
	Deviation if any :-----

METEOROLOGICAL INFORMATION

1.	Average Temperature	26°C	2.	Barometric Pressure	747mm of Hg
3.	Average Relative Humidity	90%	4.	Weather Condition	Cloudy

AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS:5182 (part -2)	IS:5182 (part -6)	IS:5182 (part -23)	USEPA(CFR 40,Part-50,53)
PARAMETERS	SO ₂ in µg/m ³	NO _x in µg/m ³	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
Permissible Limit	80	80	100	60
1. Sampling Location: near main gate Lat:23°37'13.74" N Long: 85°16'38.10" E				
10:10AM -6:10PM	17.91	24.45	75.71	33.63
6:15PM-2:15AM	19.32	21.65	71.48	35.45
2:20AM-10:20AM	18.85	20.87	78.29	38.36
Average	18.69	22.32	75.16	35.81
2. Sampling Location: near temple Lat: 23°37'08.15"N Long: 85°16'32.94"E				
10:15AM-6:15PM	20.56	26.47	79.60	40.63
6:20PM-2:20AM	19.89	25.81	77.25	34.57
2:25AM-10:25AM	21.51	24.92	82.62	45.64
Average	20.65	25.73	79.82	40.28
3. Sampling Location: grinding section Lat: 23°37'17.47"N Long: 85°16'27.35" E				
10:20AM-6:20PM	22.90	29.45	80.78	39.99
6:25PM-2:25AM	24.78	23.06	74.56	35.20
2:30AM-10:30AM	22.61	26.42	76.36	41.23
Average	23.43	26.31	77.23	38.80

*****End of Report*****

1. Test Report is based on the sample observations.
2. Samples will be destroyed after 7 days from date of issue of the Report.
3. The Test Report shall not be reproduced, without the written approval of laboratory


 Authorised Signatory



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Dispatch No: ELES/FM/48/31

TEST REPORT OF AMBIENT NOISE QUALITY MONITORING

Report Release Date : 06/06/2019	Sample Ref. No. : BUR/0406/AN/59
Test Report No : ELES/TR/59/2019	Source of Sample : Cement Industry
Type of Sample : Noise	Sampling Date : 03/06/2019
Sample Collected by : Bijon & Team	Period of Analysis : 05/06/2019
Sample details : Ambient Noise	Sample Condition :-----
Plant Status :Operational	Remarks :-----
Name & Address : M/S Burnpur Cement Limited, Patratu Industrial Area, PO + P.S.- Patratu, Dist- Ramgarh- 829119, Jharkhand	Sample Drawn By : ELES Pvt Ltd.
	Sampling Plan & Procedure: ELES/SOP/01
	Deviation if any :-----

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	26
2	Average Relative Humidity (%)	90
3	Barometric Pressure (mm of Hg)	747
4	Weather Condition	Cloudy

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL in dB(A)		
	Minimum	Leq-Mean	Maximum
1. Near Main Entrance	54	61.5	69.7
2. Near office	51.9	60.2	62.1
3. Near Grinding Section	54.2	58.8	63.8

*****End of Report*****

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"Saving Environment will only save the Future"



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Dispatch No: ELES/FM/48/32

TEST REPORT OF STACK

Report Release Date :06/06/2019	Sample Ref. No. :BUR/0406/SM/60
Test Report No :ELES/TR/60/2019	Source of Sample : Cement Industry
Type of Sample : Particulate matters	Sampling Date : 03/06/19
Sample Collected by : Bijon & Team	Period of Analysis : 04/06/19
Sample details : Stack Emission	Sample Condition : Sealed& preserved
Plant Status :Operational	Remarks :-----
Name & Address : M/S Burnpur Cement Limited, Patratu Industrial Area, PO + P.S.- Patratu, Dist- Ramgarh- 829119, Jharkhand	Sample Drawn By : ELES Pvt Ltd.
	Sampling Plan & Procedure: ELES/SOP/01
	Deviation if any :-----

GENERAL INFORMATION

1 Particular of the Plant	: Manufacturing of Cement
2 Emission Due to	:Crushing,grinding,packaging etc
3 Stack Connected to	: Grinding Section
4 Material of Construction	: Mild Steel
5 Stack Height from G.L	: 53.50 m
6 Height of Sampling Port from G.L	: 21 m
7 Height of Sampling Port from L.D.Z:	
8 Dimension of Stack at Sampling Port	: 90 cm
9 Shape of the Stack	:Circular
10 Working Load	:800 T.P.D

FUEL CHARACTERISTIC REPORT

1 Type of fuel	: Electricity
2 Fuel Consumption	: 56KWh/tonne (grinding unit)
3. Calorific Value (k-Cal/Kg)	:

RESULTS OF SAMPLING Method

1 Flue Gas Temperature (⁰ C)	110	IS 11255:Part 3
2 Barometric Pressure (mm of Hg)	747 mm of Hg	
3 Velocity of Flue Gas (m/s)	2.51	IS 11255:Part 3
4 Flue Gas Quantity (NM ³ /hr)	35,997	IS 11255:Part 3
5 Concentration of Particulate Matter(mg/Nm ³)	46.76	IS 11255:Part 1

*****END OF REPORT*****

Pollution Control System : Bag Filters
Ladder : Permanent
Platform : Permanent
Sampling Witnessed By : Unit representative

for ELES Pvt.Ltd.


(Authorized Signatory)

NOTE: 1) This certificate refers to the values obtained at the time of testing and results related to the items tested.
2) This certificate may not be reproduced in part or full without written permission of the management