

# Ambuja Cement

Ref: ACL/MNG/HR- 90-2019

Date: 28<sup>th</sup> June, 2019

Ministry of Environment and Forest  
Regional Office (South Zone)  
Bangalore

Kind Attn: Dr. Dola Bhattacharjee

Dear Sir,

Sub: CRZ Clearance for Bulk cement handling unit at New Mangalore Port Trust  
by Ms. Ambuja Cements Limited

Ref: F.No.11-98/2010-IA-III Dt.22.12.2010

With reference to the above referred clearance, we are pleased to submitting  
herewith following reports.

1. Half yearly compliance/status report for the period
2. Monitoring report of stack emission, noise, ambient air quality analysis for the period
3. Environment Statement for the financial year ending 31<sup>st</sup> March, 2019

This is for your reference and for records.

Thanking you.

Yours faithfully,  
For Ambuja Cements Limited  
Unit-Mangalore

Anand Kumar Kamanalli  
Unit Head.



28/6/19  
REGIONAL OFFICE  
Karnataka State Pollution Control Board  
Plot No.10-B, Baikampady Industrial Area  
MANGALORE-575011

Encl: As above

Copy to: The Karnataka State Pollution Control Board  
Regional Office, Mangalore

**AMBUJA CEMENTS LIMITED**

NH-66, No. 35, New Mangalore Port Trust, Panambur Beach Road, Panambur, Mangalore- 575010

Tel. No.: 0824-2409086, email ID: bct.mangalore@ambujacement.com

Regd.Off.: P.O. Ambuja Nagar, Taluka - Kodinar, Dist.-Gir Somnath, Gujarat - 362715

CIN No. L26942GJ1981PLC004717, Website address: www.ambujacement.com.



**COMPLIANCE STATUS REPORT of Combined Consent Order No. AW301301, PCB ID:N16233 Oct, 2018 to March, 2019**

Sl. No	TERMS AND CONDITIONS	Compliance Status
<b>A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT</b>		
1	The discharge from the premises of the Occupier shall pass through the terminal manhole / manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act or Rules made there under	Complied
2	a. The sewage / domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS2470 Part-I & Part-II b. The treated sewage effluent discharged shall confirm to the specific standards	Complied
3	There shall not be generation of trade effluent	Complied
4	The occupier shall install flow measuring / recording devices to record the discharge quantity and maintain the record	Noted
5	The occupier shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge with out the previous consent / permission of the Board	Noted
6	The occupier shall not allow the from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluent on the upstream of the terminal manhole where the flow measuring devices are installed	Noted
<b>B. DISCHARGE OF EMISSION UNDER THE ACT</b>		
1	The discharge of emissions from the premises of the applicant shall pass through the stack/chimney/outlet mentioned in this consent order where from the Board shall be free to collect the samples at any time accordance with the Act or Rules made there under	Complied
2	The occupier shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder	Noted
3	The occupier shall upgrade/modify/replace the control equipment with prior permission of the Board	Noted
<b>C. WATER CESS</b>		
1	The occupier shall provide water meter at all the intake points as specified under section (5) of the Water Cess Act, 1977 and shall file the water cess returns regularly before fifth of every month and also pay the cess assessed with the time stipulated	Noted
<b>B. DISCHARGE OF EMISSION UNDER THE ACT</b>		
1	The occupier shall get the samples of effluents and emissions collected and get them analysed once a month/indicated in Annexure for the parameters	Noted
<b>E. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL</b>		
1	The occupier shall segregate solid waste from Hazardous waster, Minicipal Solid Waste and store it properly till treatment /disposal without pollution to the surrounding environment	Noted
2	The solid waste generated shall be handled and disposed by scientific method without causing eye store to the general public and to the surrounding environment	Noted
<b>F. NOISE POLLUTION CONTROL</b>		
1	The industry shall ensure that the ambient noise levels within its premises shall not exceed the limit i.e. 75db(A) leq during day time and 70db(A) Leq during night time as specified in the Environment (Protection) Rules	Noted
<b>G. GENERAL CONDITIONS</b>		
1	The Board reserve the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent	Noted
2	The occupier shall forthwith keep the Board informed of any accidental discharge od emission /effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also corrective steps to mitigate the impact	Noted
3	The occupier shall provide alternative power supply sufficient to operate all Pollution control equipments	Noted
4	The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow measuring points should made easily approachable	Complied
5	The occupier shall display consent granted in a prominent place for perusal of the inspecting officers of the Board	Complied
6	The occupier his heirs, legal representatives or assigns shall have no claims what so ever to the continuation or renewal of this consent after expiry of the validity of consent	Noted
7	The occupier shall make an application for consent at least 45 days before expiry of this consent	Noted
8	The occupier shall maintain register recording the ambient air quantity and stack monitoring. The register shall be open for inspection by the Board Officers at all time	Complied





**ANNEXURE**

**ENVIRONMENTAL STATEMENT FORM-V**

(See rule 14)

*Environmental Statement for the financial year ending with 31st March, 2019*

**PART-A**

i.	Name and address of the owner / occupier of the industry	<b>Sri Bimlendra Jha Ambuja Cements Limited.</b> (Unit – Mangalore), No.35, NH-66, Panambur Beach Road, Mangalore – 575010
	Operation or process	Bulk Cement handling, storage and packing
ii.	Category Primary - (STC Code) Secondary - (STS Code)	Not Applicable
iii.	Production category. Units	Not Applicable (as it is only storage and bagging facility)
iv.	Year of Establishment	2013
v.	Date of the last Environment statement submitted	29.06.2018

**PART B**

**Water and Raw Material Consumption:**

**i. Water consumption in m<sup>3</sup>/d**

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
1. <b>Process</b>	--	--
2. <b>Domestic (m<sup>3</sup>/day)</b>	<b>.8 KL/day</b>	<b>1 KL/day</b>

\*This is a storage and bagging facility and no water is required for industrial purpose. Water is being utilized only for sanitary purpose

**ii. Raw material consumption**

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
<b>N.A</b>			
Receipt (MT)	Cement	<b>122091.00</b>	<b>132275.24</b>
Despatch (MT)	---do---	<b>122968.86</b>	<b>130729.75</b>
Stock (MT) as on 31 <sup>st</sup> March	---do---	<b>5571.78</b>	<b>7074.48</b>

\* As this is only bagging facility for cement, no raw material is being utilized. The cement is shipped from a similar facility created near our Gujarat Plant.

**PART-C**

**Pollution discharged to environment/unit of output**  
(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water	There is no trade effluent generated in the plant	----	----
(b) Air		Max *	Min *
	<b>Near Maintenance Building</b>	<b>55.62 PM10<math>\mu</math>g/m<sup>3</sup></b>	<b>39.12 PM10<math>\mu</math>g/m<sup>3</sup></b>
	<b>In Gate Area (mg/Nm<sup>3</sup>)</b>	<b>58.73 PM10<math>\mu</math>g/m<sup>3</sup></b>	<b>30.64 PM10<math>\mu</math>g/m<sup>3</sup></b>
	<b>Silo Bottom Area (mg/Nm<sup>3</sup>)</b>	<b>58.52 PM10<math>\mu</math>g/m<sup>3</sup></b>	<b>31.49 PM10<math>\mu</math>g/m<sup>3</sup></b>

\*These values are based on the results of environmental monitoring carried out regularly at the facility.





**PART-D**

**HAZARDOUS WASTES**

*(as specified under Hazardous Wastes (Management & Handling Rules, 1989).*

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
1. From Process	NA	NA
2. From Pollution Control Facilities	NA	NA

**PART E**

**SOLID WASTES:**

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
a. From process	None	
b. From Pollution Control Facility	All the particulars collected in the air pollution control equipment are automatically recycled in the process. No solid waste disposal hence 100% utilization of waste material i.e. Resource conservation.	
c. Quantity recycled or reutilised within the unit.	None	

**PART F**

*Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.*

**Not Applicable**



#### **PART-G**

*Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.*

***The stack emissions and the ambient air quality at the units are being maintained below the stipulated standards. All the air pollution control equipment are maintained in good condition to minimise emissions.***

#### **PART H**

*Additional measures/investment proposal for environmental protection including abatement of pollution.*

<b>EXPENSES INCURRED ON ENVIRONMENTAL MONITORS</b>	<b>AMOUNT (RS.)</b>
Greenery Development	88960
Labour Charges for Horticulture and Monitoring	97500
Miscellaneous cost (e.g. maintenance, monitoring charges etc.)	270199
Equipment's installed controlling Air & Sound pollution	26710
<b>Total Cost</b>	<b>483369</b>

#### **PART I**

##### **MISCELLANEOUS:**

*Any other particulars in respect of environmental protection and abatement of pollution.*

***Bag filters have been installed at all material loading/unloading/handling points for the control of fugitive emissions. Good housekeeping is maintained in the unit, which also helps in reducing the fugitive emissions. The development in the premises is being well maintained and has helped improve the aesthetic environment in the area.***



For Ambuja Cements Limited

Authorised Signatory



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR  
TC784719000000002F

Report No: A/2019/0001

Report Date: 04/01/2019

## AMBIENT AIR QUALITY ANALYSIS REPORT

Name	M/s Ambuja Cements India Ltd.,	
Address	Panambur Unit, Near NMPT, Mangalore	
Sample Collected By	OneEarth Enviro Labs	
Sampling Location	1 Near Gate, 2. Near Maintenance Building, 3. Silo Bottom Area	Analysis Start Date
Date of Sampling	02/01/2019	04/01/2019
Date of Sample Receipt	02/01/2019	Analysis End Date
Sampling Details	Ambient Air Quality Monitoring for 8 Hrs	04/01/2019

Sl No	Date & Time	02/01/2019 0915-1715	02/01/2019 0920-1720	02/01/2019 0925-1725	STD	Protocol
	Location	1	2	3		
	Parameters	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )		
1	PM2.5	26.24	33.74	28.74	60	USEPA QA Doc 2.12
2	PM10	36.18	45.16	32.85	100	IS 5182 : Part 23
3	SPM	20.78	30.24	23.63	500	IS 5182 : Part 4
4	SO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 2
5	NO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 6

BDL-Below Detection Limit ND-Not Detectable (...) - Detectable Limit BDL for SO<sub>2</sub> - 4  $\mu\text{g}/\text{m}^3$  & NO<sub>2</sub> - 9.4  $\mu\text{g}/\text{m}^3$   
SPM given contains only particulate matter size above 10 $\mu\text{m}$

Note : 1 The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.

2. The above result pertains only to the samples collected/received.

3. Samples will be destroyed after fifteen days from the date of issue of test reports unless otherwise specified, perishable samples are not retained.

4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.

5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



**OneEarth Enviro Labs**

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000139F

Report No: A/2019/0012

Report Date: 07/02/2019

**AMBIENT AIR QUALITY ANALYSIS REPORT**

Name	M/s Ambuja Cements India Ltd.,	
Address	Panambur Unit, Near NMPT, Mangalore	
Sample Collected By	OneEarth Enviro Labs	
Sampling Location	1. Near Silo Bottom Area, 2. Near Maintenance Building, 3. Security Office	Analysis Start Date
Date of Sampling	05/02/2019	07/02/2019
Date of Sample Receipt	05/02/2019	Analysis End Date
Sampling Details	Ambient Air Quality Monitoring for 8 Hrs	07/02/2019

SI No	Date & Time	05/02/2019 0915-1715	05/02/2019 0920-1720	05/02/2019 0930-1730	STD	Protocol
	Location	1	2	3		
	Parameters	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )		
1	PM2.5	39.99	27.49	37.49	60	USEPA QA Doc 2.12
2	PM10	41.17	52.97	58.73	100	IS 5182 : Part 23
3	SPM	24.66	7.64	89.37	500	IS 5182 : Part 4
4	SO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 2
5	NO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 6

BDL-Below Detection Limit ND-Not Detectable (...) - Detectable Limit BDL for SO<sub>2</sub> - 4  $\mu\text{g}/\text{m}^3$  & NO<sub>2</sub> - 9.4  $\mu\text{g}/\text{m}^3$   
SPM given contains only particulate matter size above 10 $\mu\text{m}$

- Note : 1 The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

**One Earth Enviro Labs**

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

**For OneEarth Enviro Labs**

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/08/05



Certificate No. T-3132

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000306F

Report No: A/2019/0022

Report Date: 06/03/2019

## AMBIENT AIR QUALITY ANALYSIS REPORT

Name	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	OneEarth Enviro Labs		
Sampling Location	1. Near Security Office, 2. Near Maintenance Building, 3. Near Silo Bottom Area		
Date of Sampling	05/03/2019	Analysis Start Date	
Date of Sample Receipt	05/03/2019	06/03/2019	
Sampling Details	Ambient Air Quality Monitoring for 8 Hrs		Analysis End Date
			06/03/2019

Sl No	Date & Time	05/03/2019 0900-1700	05/03/2019 0910-1710	05/03/2019 0920-1720	STD	Protocol
	Location	1	2	3		
	Parameters	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )		
1	PM2.5	38.74	32.62	31.99	60	USEPA QA Doc 2.12
2	PM10	49.10	55.62	58.52	100	IS 5182 : Part 23
3	SPM	7.10	17.69	16.86	500	IS 5182 : Part 4
4	SO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 2
5	NO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 6

BDL-Below Detection Limit ND-Not Detectable (...) - Detectable Limit BDL for SO<sub>2</sub> - 4  $\mu\text{g}/\text{m}^3$  & NO<sub>2</sub> - 9.4  $\mu\text{g}/\text{m}^3$   
SPM given contains only particulate matter size above 10 $\mu\text{m}$

- Note :
- 1 The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.
  2. The above result pertains only to the samples collected/received.
  3. Samples will be destroyed after fifteen days from the date of issue of test reports unless otherwise specified, perishable samples are not retained.
  4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
  5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



OEL/A/F/08/05

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 5001:2015, OHSAS 18001:2007 CERTIFIED

ULR  
TC784718000000521F

Report No: A/2018/0398  
Report Date: 06/12/2018

## AMBIENT AIR QUALITY ANALYSIS REPORT

Name	M/s Ambuja Cements India Ltd.,	
Address	Panambur Unit, Near NMPT, Mangalore	
Sample Collected By	OneEarth Enviro Labs	
Sampling Location	1 Security Gate, 2. Maintenance Building, 3. Silo Bottom Area.	Analysis Start Date
Date of Sampling	04/12/2018 - 05/12/2018	06/12/2018
Date of Sample Receipt	04/12/2018, 05/12/2018	Analysis End Date
Sampling Details	Ambient Air Quality Monitoring for 8 Hrs	06/12/2018

SI No	Date & Time	04/12/2018 0930-1730	04/12/2018 0935-1735	04/12/2018- 05/12/2018 1745-0145	STD	Protocol
	Location	1	2	3		
	Parameters	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )		
1	PM2.5	27.49	25.00	23.75	60	USEPA QA Doc 2.12
2	PM10	39.99	44.72	30.64	100	IS 5182 : Part 23
3	SPM	16.56	28.80	23.58	500	IS 5182 : Part 4
4	SO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 2
5	NO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 6

BDL-Below Detection Limit ND-Not Detectable (...) -Detectable Limit BDL for SO<sub>2</sub> - 4  $\mu\text{g}/\text{m}^3$  & NO<sub>2</sub> - 9.4  $\mu\text{g}/\text{m}^3$   
SPM given contains only particulate matter size above 10 $\mu\text{m}$

- Note :
- 1 The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.
  2. The above result pertains only to the samples collected/received.
  3. Samples will be destroyed after fifteen days from the date of issue of test reports unless otherwise specified, perishable samples are not retained.
  4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
  5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

OEL/A/F/08/05

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR NO

TC784718000000288F

Report No: A/2018/0358

Report Date: 05/11/2018

## AMBIENT AIR QUALITY ANALYSIS REPORT

AMBIENT AIR QUALITY ANALYSIS REPORT			
Name	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	OneEarth Enviro Labs		
Sampling Location	1 Security Gate, 2. Maintenance Building, 3. Silo Bottom Area		
Date of Sampling	03/11/2018		Analysis Start Date
Date of Sample Receipt	03/11/2018		05/11/2018
Sampling Details	Ambient Air Quality Monitoring for 8 Hrs		Analysis End Date
			05/11/2018

SI No	Date & Time	03/11/2018 0915-1715	03/11/2018 0930-1730	03/11/2018 0940-1740	STD	Protocol
	Location	1	2	3		
	Parameters	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )		
1	PM2.5	23.50	33.49	30.37	60	USEPA QA Doc 2.12
2	PM10	39.12	47.48	42.70	100	IS 5182 : Part 23
3	SPM	--	32.58	16.01	500	IS 5182 : Part 4
4	SO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 2
5	NO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 6

BDL-Below Detection Limit ND-Not Detectable (...) -Detectable Limit BDL for SO<sub>2</sub> - 4  $\mu\text{g}/\text{m}^3$  & NO<sub>2</sub> - 9.4  $\mu\text{g}/\text{m}^3$   
SPM given contains only particulate matter size above 10 $\mu\text{m}$

- Note : 1 The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR NO  
TC784718000000035F

Report No: A/2018/0323  
Report Date: 05/10/2018

## AMBIENT AIR QUALITY ANALYSIS REPORT

AMBIENT AIR QUALITY ANALYSIS REPORT			
Name	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	OneEarth Enviro Labs		
Sampling Location	1 Maintenance Building, 2. Silo bottom area, 3. Security office	Analysis Start Date	
Date of Sampling	03/10/2018-04/10/2018	05/10/2018	
Date of Sample Receipt	03/10/2018,04/10/2018	Analysis End Date	
Sampling Details	Ambient Air Quality Monitoring for 8 Hrs	05/10/2018	

Sl No	Date & Time	03/10/2018 0950-1750	03/10/2018 0955-1755	03/10/2018- 04/10/2018 1800-0200	STD	Protocol
	Location	1	2	3		
	Parameters	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )	Result ( $\mu\text{g}/\text{m}^3$ )		
1	PM2.5	27.74	27.12	23.50	60	USEPA QA Doc 2.12
2	PM10	44.17	31.49	32.94	100	IS 5182 : Part 23
3	SPM	13.80	--	61.29	500	IS 5182 : Part 4
4	SO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 2
5	NO <sub>2</sub>	BDL	BDL	BDL	80	IS 5182 : Part 6

BDL-Below Detection Limit ND-Not Detectable (...) - Detectable Limit BDL for SO<sub>2</sub> - 4  $\mu\text{g}/\text{m}^3$  & NO<sub>2</sub> - 9.4  $\mu\text{g}/\text{m}^3$   
SPM given contains only particulate matter size above 10 $\mu\text{m}$

- Note :
- 1 The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.
  2. The above result pertains only to the samples collected/received.
  3. Samples will be destroyed after fifteen days from the date of issue of test reports unless otherwise specified, perishable samples are not retained.
  4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
  5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR NO

Report No: T/2018/0433

TC784718000000036P

Report Date: 05/10/2018

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S1-Bag Filter1, S2- Bag Filter 2, S3-DG1500 KVA		
Date of Sampling	03/10/2018		
Date of Sample Receipt	03/10/2018	Analysis Start Date	04/10/2018
Sample Details	Stack Monitoring	Analysis End Date	04/10/2018

Stack ID	S1	S2	S3	Protocol
Date & Time	3/10 1045	3/10 1150	3/10 1235	--
Fuel Used	Current	Current	Diesel	--
*Temperature °C	45	47	120	--
Velocity (m/s)	5.18	5.59	6.47	--
Height (m)	20	20	30	--
Diameter (m)	0.45	0.45	0.50	--
Discharge Rate Nm <sup>3</sup> /Hr	2963.93	3201.01	4568.62	IS:11255.Part 1
Emission Rate Kg/Hr	0.2102	0.2020	0.1954	IS:11255.Part 1

Parameter	Unit	RESULTS			KSPCB Limits	Protocol
		S1	S2	S3		
(S)PM	mg/Nm <sup>3</sup>	70.93	63.11	42.76	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	17	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	41	NS	FGA
CO	mg/Nm <sup>3</sup>	0	0	102	NS	FGA
O <sub>2</sub>	%	20.90	20.90	16.70	NS	FGA
CO <sub>2</sub>	%	0.00	0.00	3.20	NS	FGA
*NMHC	ppm	0	0	3	NS	FGA

\*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer

- Note: 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.

Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.

OneEarth Enviro Labs

1 Floor, KSIA Building

Baikampady Industrial Area

MANGALORE - 575 011

Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory

(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR NO

Report No: T/2018/0472

TC784718000000289P

Report Date: 05/11/2018

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S1-Bag Filter1, S2- Bag Filter 2, S3-DG1500 KVA		
Date of Sampling	03/11/2018		
Date of Sample Receipt	03/11/2018	Analysis Start Date	05/11/2018
Sample Details	Stack Monitoring	Analysis End Date	05/11/2018

Stack ID	S1	S2	S3	Protocol
Date & Time	3/11 1050	3/11 1130	3/11 1200	---
Fuel Used	Current	Current	Diesel	---
*Temperature °C	47	45	137	---
Velocity (m/s)	6.13	5.68	6.70	---
Height (m)	20	20	30	---
Diameter (m)	0.45	0.45	0.50	---
Discharge Rate Nm <sup>3</sup> /Hr	3506.99	3253.04	4733.91	IS:11255.Part 1
Emission Rate Kg/Hr	0.2505	0.2213	0.4441	IS:11255.Part 1

Parameter	Unit	RESULTS			KSPCB Limits	Protocol
		S1	S2	S3		
(S)PM	mg/Nm <sup>3</sup>	71.44	68.03	93.81	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	17	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	55	NS	FGA
CO	mg/Nm <sup>3</sup>	0	0	87	NS	FGA
O <sub>2</sub>	%	20.90	20.90	16.70	NS	FGA
CO <sub>2</sub>	%	0.00	0.00	3.10	NS	FGA
*NMHC	ppm	0	0	6	NS	FGA

\*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer

- Note 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.



OneEarth Enviro Labs  
1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/09/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR NO

TC784718000000456P

Report No: T/2018/0521

Report Date: 30/11/2018

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S1-Cement Silo Top Bag Filter		
Date of Sampling	29/11/2018		
Date of Sample Receipt	29/11/2018	Analysis Start Date	30/11/2018
Sample Details	Stack Monitoring	Analysis End Date	30/11/2018

Stack ID	S1	Protocol
Date & Time	29/11 1100	--
Fuel Used	Current	--
*Temperature °C	45	--
Velocity (m/s)	5.44	--
Height (m)	63	--
Diameter (m)	0.50	--
Discharge Rate Nm <sup>3</sup> /Hr	3767.44	IS:11255.Part 1
Emission Rate Kg/Hr	0.2410	IS:11255.Part 1

Parameter	Unit	RESULTS	KSPCB Limits	Protocol
		S1		
(S)PM	mg/Nm <sup>3</sup>	63.97	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
CO	mg/Nm <sup>3</sup>	0	NS	FGA
O <sub>2</sub>	%	20.90	NS	FGA
CO <sub>2</sub>	%	0.00	NS	FGA
*NMHC	ppm	0	NS	FGA

\*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer

- Note
1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.
  2. The above result pertains only to the samples collected/received.
  3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.
  4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
  5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.

OneEarth Enviro Labs  
1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/09/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR NO

TC784718000000522P

Report No: T/2018/0536

Report Date: 06/12/2018

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S1-Bag Filter1, S2- Bag Filter 2, S3-DG1500 KVA		
Date of Sampling	05/12/2018		
Date of Sample Receipt	05/12/2018	Analysis Start Date	06/12/2018
Sample Details	Stack Monitoring	Analysis End Date	06/12/2018

Stack ID	S1	S2	S3	Protocol
Date & Time	5/12 0950	5/12 1035	5/12 1250	--
Fuel Used	Current	Current	Diesel	--
*Temperature °C	45	47	120	--
Velocity (m/s)	5.64	5.48	5.90	--
Height (m)	20	20	30	--
Diameter (m)	0.45	0.45	0.50	--
Discharge Rate Nm <sup>3</sup> /Hr	3228.32	3137.62	4168.31	IS:11255.Part 1
Emission Rate Kg/Hr	0.2397	0.2074	0.3779	IS:11255.Part 1

Parameter	Unit	RESULTS			KSPCB Limits	Protocol
		S1	S2	S3		
(S)PM	mg/Nm <sup>3</sup>	74.25	66.11	90.67	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	17	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	41	NS	FGA
CO	mg/Nm <sup>3</sup>	0	0	92	NS	FGA
O <sub>2</sub>	%	20.90	20.90	16.50	NS	FGA
CO <sub>2</sub>	%	0.00	0.00	3.20	NS	FGA
*NMHC	Ppm	0	0	4	NS	FGA

\*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer.

- Note
1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.
  2. The above result pertains only to the samples collected/received.
  3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.
  4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
  5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	---

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/09/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR NO

TC784718000000523P

Report No. T/2018/0537

Report Date: 06/12/2018

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S4-Cement Silo Top Bag Filter		
Date of Sampling	05/12/2018		
Date of Sample Receipt	05/12/2018	Analysis Start Date	06/12/2018
Sample Details	Stack Monitoring	Analysis End Date	06/12/2018

Stack ID	S4	Protocol
Date & Time	5/12 1250	
Fuel Used	Current	
*Temperature °C	52	
Velocity (m/s)	5.49	
Height (m)	63	
Diameter (m)	0.50	
Discharge Rate Nm <sup>3</sup> /Hr	3803.40	IS:11255.Part 1
Emission Rate Kg/Hr	0.2389	IS:11255.Part 1

Parameter	Unit	RESULTS	KSPCB Limits	Protocol
		S4		
(S)PM	mg/Nm <sup>3</sup>	62.80	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
CO	mg/Nm <sup>3</sup>	0	NS	FGA
O <sub>2</sub>	%	20.90	NS	FGA
CO <sub>2</sub>	%	0.00	NS	FGA
*NMHC	ppm	0	NS	FGA

- \*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer
- Note 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M. Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/09/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR-NO

TC784719000000032P

Report No: T/2019/0007

Report Date: 11/01/2019

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S1-Bag Filter1, S2- Bag Filter 2, S3-DG1500 KVA		
Date of Sampling	10/01/2019		
Date of Sample Receipt	10/01/2019		
Sample Details	Stack Monitoring	Analysis Start Date	11/01/2019
		Analysis End Date	11/01/2019

Stack ID	S1	S2	S3	Protocol
Date & Time	10/1 0955	10/11 1040	10/1 1235	---
Fuel Used	Current	Current	Diesel	---
*Temperature °C	60	54	124	---
Velocity (m/s)	5.74	5.79	6.35	---
Height (m)	20	20	30	---
Diameter (m)	0.45	0.45	0.50	---
Discharge Rate Nm <sup>3</sup> /Hr	3285.33	3314.20	4484.71	IS:11255.Part 1
Emission Rate Kg/Hr	0.2452	0.2117	0.4221	IS:11255.Part 1

Parameter	Unit	RESULTS			KSPCB Limits	Protocol
		S1	S2	S3		
(S)PM	mg/Nm <sup>3</sup>	74.64	63.88	94.12	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	17	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	43	NS	FGA
*CO	mg/Nm <sup>3</sup>	0	0	111	NS	FGA
O <sub>2</sub>	%	20.90	20.90	16.10	NS	FGA
CO <sub>2</sub>	%	0.00	0.00	3.20	NS	FGA
*NMHC	Ppm	0	0	6	NS	FGA

- \*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer
- Note 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.
2. The above result pertains only to the samples collected/received.
3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.



One Earth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000033P

Report No: T/2019/0008

Report Date: 11/01/2019

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S4-Cement Silo Top Bag Filter		
Date of Sampling	10/01/2019		
Date of Sample Receipt	10/01/2019		
Sample Details	Stack Monitoring	Analysis Start Date	11/01/2019
		Analysis End Date	11/01/2019

Stack ID	S4	Protocol
Date & Time	10/1 1120	
Fuel Used	Current	
*Temperature °C	55	
Velocity (m/s)	5.90	
Height (m)	63	
Diameter (m)	0.50	
Discharge Rate Nm <sup>3</sup> /Hr	4086.08	IS:11255.Part 1
Emission Rate Kg/Hr	0.2503	IS:11255.Part 1

Parameter	Unit	RESULTS	KSPCB Limits	Protocol
		S4		
(S)PM	mg/Nm <sup>3</sup>	61.27	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
*CO	mg/Nm <sup>3</sup>	0	NS	FGA
O <sub>2</sub>	%	20.90	NS	FGA
CO <sub>2</sub>	%	0.00	NS	FGA
*NMHC	ppm	0	NS	FGA

\*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer  
Note 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.

- The above result pertains only to the samples collected/received.
- Samples will be destroyed after fifteen days from the date of issue of test reports
- Unless otherwise specified, perishable samples are not retained.
- Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
- Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.



One Earth Enviro Labs  
1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

OEL/A/F/09/03

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2985

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000141P

Report No: T/2019/0021

Report Date: 07/02/2019

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S4-Cement Silo Top Bag Filter		
Date of Sampling	05/02/2019		
Date of Sample Receipt	05/02/2019		
Sample Details	Stack Monitoring	Analysis Start Date	06/02/2019
		Analysis End Date	06/02/2019

Stack ID	S4	Protocol
Date & Time	5/2 1200	
Fuel Used	Current	
*Temperature °C	44	
Velocity (m/s)	6.15	
Height (m)	63	
Diameter (m)	0.50	
Discharge Rate Nm <sup>3</sup> /Hr	4255.79	IS:11255.Part 1
Emission Rate Kg/Hr	0.3380	IS:11255.Part 1

Parameter	Unit	RESULTS	KSPCB Limits	Protocol
		S4		
(S)PM	mg/Nm <sup>3</sup>	79.43	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
*CO	mg/Nm <sup>3</sup>	0	NS	FGA
O <sub>2</sub>	%	20.90	NS	FGA
CO <sub>2</sub>	%	0.00	NS	FGA
*NMHC	ppm	0	NS	FGA

- \*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer
- Note 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	---

One Earth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011

Email: oneearthenviro@gmail.com

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)





# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/09/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000140P

Report No: T/2019/0020

Report Date: 07/02/2019

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S1-Bag Filter1, S2- Bag Filter 2, S3-DG1500 KVA		
Date of Sampling	05/02/2019		
Date of Sample Receipt	05/02/2019	Analysis Start Date	06/02/2019
Sample Details	Stack Monitoring	Analysis End Date	06/02/2019

Stack ID	S1	S2	S3	Protocol
Date & Time	5/2 1040	5/2 1120	5/2 1240	---
Fuel Used	Current	Current	Diesel	---
*Temperature °C	45	46	110	---
Velocity (m/s)	5.76	6.33	6.50	---
Height (m)	20	20	30	---
Diameter (m)	0.45	0.45	0.50	---
Discharge Rate Nm <sup>3</sup> /Hr	3296.07	3620.36	4590.44	IS:11255.Part 1
Emission Rate Kg/Hr	0.3184	0.3417	0.4532	IS:11255.Part 1

Parameter	Unit	RESULTS			KSPCB Limits	Protocol
		S1	S2	S3		
(S)PM	mg/Nm <sup>3</sup>	96.59	94.39	98.72	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	17	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	55	NS	FGA
*CO	mg/Nm <sup>3</sup>	0	0	97	NS	FGA
O <sub>2</sub>	%	20.90	20.90	16.10	NS	FGA
CO <sub>2</sub>	%	0.00	0.00	3.20	NS	FGA
*NMHC	Ppm	0	0	6	NS	FGA

- \*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer
- Note 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.



One Earth Enviro Labs  
1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/09/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000414P

Report No. T/2019/0054

Report Date: 19/03/2019

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S4-Cement Silo Top Bag Filter		
Date of Sampling	18/03/2019		
Date of Sample Receipt	18/03/2019		
Sample Details	Stack Monitoring	Analysis Start Date	19/03/2019
		Analysis End Date	19/03/2019

Stack ID	S4	Protocol
Date & Time	18/3 1230	
Fuel Used	Current	
*Temperature °C	49	
Velocity (m/s)	5.88	
Height (m)	63	
Diameter (m)	0.50	
Discharge Rate Nm <sup>3</sup> /Hr	4071.60	IS:11255.Part 1
Emission Rate Kg/Hr	0.3224	IS:11255.Part 1

Parameter	Unit	RESULTS	KSPCB Limits	Protocol
		S4		
(S)PM	mg/Nm <sup>3</sup>	79.17	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	NS	FGA
*CO	mg/Nm <sup>3</sup>	0	NS	FGA
O <sub>2</sub>	%	20.90	NS	FGA
CO <sub>2</sub>	%	0.00	NS	FGA
*NMHC	ppm	0	NS	FGA

- \*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer
- Note 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.  
4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	---

One Earth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

*[Signature]*

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/09/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000413P

Report No: T/2019/0053

Report Date: 19/03/2019

## SOURCE EMISSION ANALYSIS REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,		
Address	Panambur Unit, Near NMPT, Mangalore		
Sample Collected By	One Earth Enviro Labs		
Sampling Location (Stack ID)	S1-Bag Filter1, S2- Bag Filter 2, S3-DG1500 KVA		
Date of Sampling	18/03/2019		
Date of Sample Receipt	18/03/2019	Analysis Start Date	19/03/2019
Sample Details	Stack Monitoring	Analysis End Date	19/03/2019

Stack ID	S1	S2	S3	Protocol
Date & Time	18/3 0950	18/3 1040	18/3 1110	---
Fuel Used	Current	Current	Diesel	---
*Temperature °C	45	47	108	---
Velocity (m/s)	5.92	5.84	6.12	---
Height (m)	20	20	30	---
Diameter (m)	0.45	0.45	0.50	---
Discharge Rate Nm <sup>3</sup> /Hr	3388.08	3341.23	4321.68	IS:11255.Part 1
Emission Rate Kg/Hr	0.2366	0.3153	0.3949	IS:11255.Part 1

Parameter	Unit	RESULTS			KSPCB Limits	Protocol
		S1	S2	S3		
(S)PM	mg/Nm <sup>3</sup>	69.84	94.36	91.38	150	IS:11255.Part 1
SO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	17	NS	FGA
NO <sub>2</sub>	mg/Nm <sup>3</sup>	0	0	55	NS	FGA
*CO	mg/Nm <sup>3</sup>	0	0	114	NS	FGA
O <sub>2</sub>	%	20.90	20.90	16.20	NS	FGA
CO <sub>2</sub>	%	0.00	0.00	3.10	NS	FGA
*NMHC	Ppm	0	0	6	NS	FGA

\*Not Under NABL Scope / Range\*\* (S)PM-Suspended Particulate Matter NS-Not Specified FGA-Flue Gas Analyzer

- Note
1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.
  2. The above result pertains only to the samples collected/received.
  3. Samples will be destroyed after fifteen days from the date of issue of test reports  
Unless otherwise specified, perishable samples are not retained.
  4. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.
  5. Total liability of our lab is limited to the invoice amount only.

Opinion

As per Standards mentioned in the report.  
Report Status:- The sample meets the requirement as per relevant standard w.r.t above tested parameters.

One Earth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com



For OneEarth Enviro Labs

*[Signature]*

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/10/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784718000000524F

Report No: N/2018/0316

Report Date: 10/12/2018

## AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,
Address	Panambur Unit, Near NMPT, Mangalore
Sample Collected By	OneEarth Enviro Labs
Sampling Location	L1- Near Out Gate Compound
Date of Sampling	05/12/2018, 08/12/2018
Date of Sample Receipt	On site
Sampling Details	Noise Level Monitoring Day & Night

SL NO	Sample Location	Date	Duration	Parameters						KSPCB Limits
				Min	Max	Leq	L90	L50	L10	
1	L1	05/12/2018	1100-1105	41.6	78.2	70.1	--	--	--	75dB
2	L1	08/12/2018	2230-2235	40.1	70.0	68.1	--	--	--	

Leq - Arithmetically mean value in a period of set time

- Note : 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
4. Method Adopted IS:9989.1981  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)





**OneEarth Enviro Labs**

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011

Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR  
TC784718000000290FReport No: N/2018/0275  
Report Date: 12/11/2018**AMBIENT NOISE LEVEL MONITORING REPORT**

Name of the Industry	M/s Ambuja Cements India Ltd.,
Address	Panambur Unit, Near NMPT, Mangalore
Sample Collected By	OneEarth Enviro Labs
Sampling Location	L1- Near Out Gate Compound
Date of Sampling	03/11/2018, 10/11/2018
Date of Sample Receipt	On site
Sampling Details	Noise Level Monitoring Day & Night

SL NO	Sample Location	Date	Duration	Parameters						KSPCB Limits
				Min	Max	Leq	L90	L50	L10	
1	L1	03/11/2018	1215-1220	46.1	57.1	55.8	--	--	--	75dB
2	L1	10/11/2018	2135-2140	40.8	72.4	69.6	--	--	--	

Leq - Arithmetically mean value in a period of set time

- Note : 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
 2. The above result pertains only to the samples collected/received.  
 3. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
 4. Method Adopted IS:9989.1981  
 5. Total liability of our lab is limited to the invoice amount only.

<b>Opinion</b>	<b>As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.</b>
----------------	--

For *OneEarth* Enviro Labs

*One Earth Enviro Labs*  
 1 Floor, KSIA Building  
 Baikampady Industrial Area  
 MANGALORE - 575 011  
 Email: oneearthenviro@gmail.com

Authorized Signatory  
(Murlidhar S M, Quality Manager)



# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/10/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR  
TC784718000000100F

Report No: N/2018/0240  
Report Date: 22/10/2018

## AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,
Address	Panambur Unit, Near NMPT, Mangalore
Sample Collected By	OneEarth Enviro Labs
Sampling Location	L1- Near Out Gate Compound
Date of Sampling	03/10/2018, 20/10/2018
Date of Sample Receipt	On site
Sampling Details	Noise Level Monitoring Day & Night

SL NO	Sample Location	Date	Duration	Parameters						KSPCB Limits
				Min	Max	Leq	L90	L50	L10	
1	L1	03/10/2018	1235-1240	40.6	69.4	67.6	--	--	--	75dB
2	L1	20/10/2018	2330-2335	40.4	60.1	57.8	--	--	--	

Leq - Arithmetically mean value in a period of set time

- Note : 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law  
2. The above result pertains only to the samples collected/received.  
3. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
4. Method Adopted IS:9989.1981  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

OneEarth Enviro Labs  
1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)





# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/10/03



NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR

TC784719000000003F

Report No: N/2019/0001

Report Date: 07/01/2019

## AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,
Address	Panambur Unit, Near NMPT, Mangalore
Sample Collected By	OneEarth Enviro Labs
Sampling Location	L1- Near Out Gate Compound
Date of Sampling	02/01/2019, 05/01/2019
Date of Sample Receipt	On site
Sampling Details	Noise Level Monitoring Day & Night

SL NO	Sample Location	Date	Duration	Parameters						KSPCB Limits
				Min	Max	Leq	L90	L50	L10	
1	L1	02/01/2019	1010-1015	41.8	65.6	62.8	---	---	---	75dB
2	L1	05/01/2019	2145-2150	38.2	66.1	63.4	---	---	---	

Leq - Arithmetically mean value in a period of set time

- Note : 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
4. Method Adopted IS:9989.1981  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

For OneEarth Enviro Labs

OneEarth Enviro Labs

1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

Authorized Signatory  
(Murlidhar S M, Quality Manager)





# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/10/03



Certificate No. T-2988

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR  
TC784719000000152F

Report No: N/2019/0013  
Report Date: 11/02/2019

## AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,
Address	Panambur Unit, Near NMPT, Mangalore
Sample Collected By	OneEarth Enviro Labs
Sampling Location	L1- Near Out Gate Compound
Date of Sampling	05/02/2019, 09/02/2019
Date of Sample Receipt	On site
Sampling Details	Noise Level Monitoring Day & Night

SL NO	Sample Location	Date	Duration	Parameters						KSPCB Limits
				Min	Max	Leq	L90	L50	L10	
1	L1	05/02/2019	1250-1255	47.6	62.1	60.3	---	---	---	75dB
2	L1	09/02/2019	2145-2150	42.8	59.3	58.1	---	---	---	

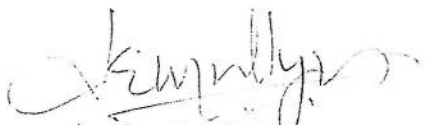
Leq - Arithmetically mean value in a period of set time

- Note : 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
4. Method Adopted IS:9989.1981  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

For OneEarth Enviro Labs

OneEarth Enviro Labs  
1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com

  
Authorized Signatory  
(Murlidhar S M, Quality Manager)





# OneEarth Enviro Labs

1st Floor, KSIA Building, Industrial Area Road, Baikampady, Mangalore - 575 011  
Ph: 0824-240 9011 Mob : +91 87625 39077 Email : oneearthenviro@gmail.com

OEL/A/F/10/03



Certificate No. T-2989

NABL ACCREDITED AS PER ISO/IEC 17025:2005

ISO 9001:2015, OHSAS 18001:2007 CERTIFIED

ULR  
TC784719000000415F

Report No: N/2019/0032  
Report Date: 19/03/2019

## AMBIENT NOISE LEVEL MONITORING REPORT

Name of the Industry	M/s Ambuja Cements India Ltd.,
Address	Panambur Unit, Near NMPT, Mangalore
Sample Collected By	OneEarth Enviro Labs
Sampling Location	L1- Near Out Gate Compound
Date of Sampling	09/03/2019, 18/03/2019
Date of Sample Receipt	On site
Sampling Details	Noise Level Monitoring Night & Day

SL NO	Sample Location	Date	Duration	Parameters						KSPCB Limits
				Min	Max	Leq	L90	L50	L10	
1	L1	09/03/2019	2140-2145	47.1	62.1	60.7	---	---	---	75dB
2	L1	18/03/2019	1250-1255	44.1	67.4	64.3	---	---	---	

Leq - Arithmetically mean value in a period of set time

- Note : 1. The report shall not be reproduced wholly or in part, cannot be used as evidence in court of law.  
2. The above result pertains only to the samples collected/received.  
3. Any dispute arising out of this test report is subjected to Mangalore Jurisdiction only.  
4. Method Adopted IS:9989.1981  
5. Total liability of our lab is limited to the invoice amount only.

Opinion	As per Standards mentioned in the report. Report Status: - The sample meets the requirement as per relevant standard w.r.t above tested parameters.
---------	--

For OneEarth Enviro Labs

Authorized Signatory  
(Murlidhar S M, Quality Manager)

One Earth Enviro Labs  
1 Floor, KSIA Building  
Baikampady Industrial Area  
MANGALORE - 575 011  
Email: oneearthenviro@gmail.com







## COURIER CONSIGNMENT NOTE ISSUED BY COMPANY

## TAX INVOICE

## CASH / CREDIT MEMO

 <b>SHREE MARUTI</b> COURIER SERVICES PVT. LTD.		We Value your Time DATE 28/06/2019 06:16 PM		ORIGIN MANGALORE		DESTINATION BANGLORE	
10TH CROSS, BTS MAIN ROAD, WILSON GARDEN, BANGLORE		PRODUCT : DOX <input checked="" type="checkbox"/> NON DOX <input type="checkbox"/>				19131920004578	
AMBUJA CEMENT LIMITED [UNIT: MANGALORE NO 35 NEW MANGALORE PORT TRUST PA. GSTIN:29AAACG0569P1Z3		FAST TRACK SERVICE <input type="checkbox"/> VALUEPLUS <input type="checkbox"/>		(L X B X H): 0.00 * 0.00 * 0.00 = 0.00 Kg.		MODE : SURFACE	
CONSIGNOR		CONTENT OF SHIPMENT DOX		VALUE OF GOODS 0.00		CONSIGNEE	
MINISTRY ENVIROMENT FOREST & CLIMATE CHAN		CONDITIONS OF CARRIAGE : 1. Said to Contain Basis: All the consignment shall be booked on "said to contain basis" i.e. SMCS shall be under no obligation to verify the description and contents of the shipment declared by the Consignor on the docket/invoice and as such the consignor shall undertake and ensure to make correct and factual declaration on the docket/Airway bill. However, SMCS reserve the right to inspect and/or refuse booking of shipment not conforming to these terms and condition, only after duly informing consignor regarding the reasons for such inspection and/or refusal and after receiving the confirmation from consignor. Consignor shall not book, handover any shipment consisting of prohibited, restricted or dangerous products and SMCS shall not be liable for any such shipment. Consignor indemnified and would keep indemnified SMCS, its directors and employees against all claims, losses, charges and expenses incurred by SMCS due to any banned, restricted or dangerous items entering in to the network of the SMCS due to any commission or omission of Consignor. 2. Prohibited Items: The currency, bearer cheques, hundies, bearer bilty and/or similar other documents, Gold, Silver, Jewellery, Precious stones, Liquid, Semi Liquid perishable/fragile goods narcotics and / or any item which are prohibited and/or restricted by statutory law and acts are strictly not accepted by us. If such articles are enclosed without our information, the Company / Franchisee will not be liable for the same and no claim shall be entertained for such articles. 3. Limitation of Liability: (a) In case of loss, theft, damage and mishandling of booked consignment maximum liability of the Company/ Franchisee shall not be exceeding to the sum equivalent to 10 times of freight charges for documents and 5 times of freight charges for parcels (below Rs.5000/-) or the value of the consignment mentioned on the docket whichever is less. (b) All the high value shipment (above Rupees Five Thousand) and Fragile Shipment should be insured by the Consignor while booking, if any such shipment booked uninsured in such cases, in the event of lost / damages or theft of such shipment the Company / Franchisee will not be liable at all to reimburse to the customer. 4. No Service Area: Where the dox or Non-dox booked unknowingly for the area which comes under NSA (No Service Area) i.e. beyond the network of SMCSPL in such event the said shipment shall be returned to the party/consignor. In case of NSA service the Maximum Liability of the Company's/Franchisees shall be limited up to return of freight amount only.					
SERVICE ACCOUNTING CODE : 996812 DESCRIPTION OF SERVICE : COURIER SERVICE		WEIGHT 100.00 Gms.					
VOLUMETRIC CHARGE A/C		FREIGHT CHARGE A/C					
FREIGHT ON VALUE A/C		TAXABLE VALUE A/C					
SGST @ 9 % 0		CGST @ 9 % 0					
IGST @ 18 % 0		CESS @ 0 % 0					
TOTAL CHARGE A/C		29AABCM9407D1ZI					
GSTIN NO. :		CONSIGNOR SIGNATURE Date : 1ST FLOOR, 108, COMMERCIAL CENTRE, AZIZUDDIN ROAD, BUNDER MANGALORE PHONE : 08242428159					
TRACK YOUR SHIPMENT ON <a href="http://www.shreemaruticourier.com">www.shreemaruticourier.com</a> / Helpline : +91 9712 - 666 - 666		RECEIVED BY					