



# SHREE CEMENT LTD.

(Unit : Karnataka Cement Project)

An ISO 9001,14001,50001 & OHS 18001 Certified Company

Village Benkanhalli and Kodla, Post : KODLA - 585 222

Post Box No. 01, Tq. Sedam, Dist. Kalaburagi. Karnataka

CIN No. : L26943RJ 1979PLC001935, Website : [www.shreecement.com](http://www.shreecement.com)

SCL / KCP/ENV/2021-22/ 216

Date: 07/09/2021

To,  
The Member Secretary,  
Karnataka State Pollution Control Board,  
Parisara Bhavan, No. 49, 4th & 5th Floor,  
Church Street, Bangalore-560001,  
Karnataka.

Sir,

**Sub:** Submission of Environment Statement (Form-V) of Limestone Mine for financial year 2020-21 by M/s Shree cement Ltd (Unit: Karnataka Cement Project), Village Benkanhalli and Kodla, Taluk-Sedam, District: Kalaburagi, Karnataka.

Ref: Combined consent order No. AW-307696 PCB ID: 35060 dated 07/09/2018.

Dear Sir,

With reference to the above subject, we are submitting herewith the Annual Environment Statement Report (in form 5) as per rule 14 of Environmental Protection Act, 1986 for Limestone Mine for the financial year 2020-21 by M/s Shree cement Ltd (Unit: Karnataka Cement Project), Village Benkanhalli and Kodla, Taluk-Sedam, District: Kalaburagi, Karnataka the period from April-2020 to March-2021.

Submitted for your kind information and record please.

Thanking you,

Yours faithfully,  
For SHREE CEMENT LIMITED,

(Arvind kumar Patil)  
Unit Head

**Copy:** The Environmental Officer, Karnataka State Pollution Control Board, Plot No. 12/2, Sy.No. 19/P, Mansafdar Layout, M.G. Road, Santraswadi, Kalaburagi-585 101.



**ENVIRONMENTAL STATEMENT**  
**FORM-V**  
**Shree Cement Limited**  
**(Unit: Karnataka Cement Project),**  
**Limestone Mines**  
**Period from: April 2020 to March 2021**

Environmental Statement for the financial year ending with 31<sup>st</sup> March 2021

**PART-A**

i	Name and address owner/ occupier of the industry operation or process.	Shri. Arvind Kumar Patil, Unit Head M/s. Shree Cement Ltd (Unit: Karnataka Cement Project), Village- Benkanhalli & Kodla, Taluk-Sedam, District-Kalaburagi Karnataka
ii	Industry category Primary-(STC Code) Secondary- (STC Code)	RED Category
iii	Production capacity – Units.	Captive Limestone Mine – 3.8 Million TPA
iv	Year of establishment	June 2018
v	Date of the last environmental statement submitted	24-08-2020

**PART -B**

**Water and Raw Material Consumption:**

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

Process : N.A

Cooling and dust suppression : 16 KLD for Dust suppression

Domestic : 1.5 KLD

Name of Products	Process water consumption per unit of products (KL/MT of Limestone)	
	During the previous financial year (2019-20)	During the current financial Year (2020-21)
Limestone	0.0024 KL/MT of Limestone	0.0023 KL/MT of Limestone

**ii. Raw material consumption**

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year (2019-20)	During the current financial year (2020-21)
Limestone	NA	1626710 Tonnes	2416837 Tonnes

**iii. Power Consumption (KWH/T of Limestone):**

During Previous Financial Year (2019-20)	During Current Financial Year (2020 -21)
1.14	1.09

**iv. Total Production (MT):**

Product Name	During Previous Financial Year (2019-20)	During Current Financial Year (2020 -21)
Limestone	1626710	2416837

**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 variation of prescribed standards from reasons.
(a) Water	Nil	Waste water generated from office toilets is disposed in soak pit via/ through septic tank.  Waste water generated from washing ramp is being utilized in crusher for dust suppression after separating the oil and grease contaminant.	

(b) Air	Nil	Ambient Air Quality monitoring is being done regularly, details are enclosed as <b>Annexure-I.</b>
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Noise level Monitoring is being done regularly, details are enclosed as **Annexure-II.**

**PART-D**  
**HAZARDOUS WASTES**  
**(as specified under Hazardous Wastes (Management & Handling Rules & Transboundary Movement Rules 2016)).**

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year (2019-20)	During the current financial year (2020-21)
Common for plant & mines		
1. From Process	2 KL	14.02 KL
2. From Pollution Control Facilities	NA	NA

**PART – E**  
**SOLID WASTES:**

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year (2019-20)	During the current financial year (2020-21)
a. From process	NA	NA
b. From Pollution Control Facility	NA	NA
c. Quantity recycled or re-utilized within the unit.	NA	NA
D. Disposed (During mining of limestone disposed of overburden		
1. Top soil for reclamation (MT)	Top soil used for plantation 32000 Tonnes and Top soil stocked 53650 Tonnes	Top soil used for plantation 68460 Tonnes and Top soil stocked 23170 Tonnes
2. Over burden (MT)	O/B handled 287949 Tonnes and Cumulative Stock 380717 Tonnes	O/B handled 134783 Tonnes and Cumulative Stock 515500 Tonnes

Note: 1) Overburden is stocked separately for future use of reclamation.

2) Top soil is being used for plantation and stacked separately as per approved mining plan.

## **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.**

### **Battery Wastes:**

No any used battery generated

### **Hazardous Wastes**

Cement manufacturing is based on "Dry Process". No Hazardous waste is generated from the process except used oil which is drained from Machineries / Equipment's. The store department stores all collected hazardous waste at specified location as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 from where the hazardous waste is being sold out to SPCB authorized recyclers.

### **Bio-Medical Wastes**

Bio-medical waste generated during current financial year April-2020 to March-2021 under the Bio-medical waste (management & Handling) Rules 2016, are as follows.

Period	Bio Medical Waste Quantity (Kg) as per Color Coding Common for Plant and Mines			
	Red	Blue	Yellow	White
April 2019 to March 2020	25	-	33	-
April 2020 to March 2021	67.1	15.1	85.25	2.5

### **E-Waste**

	Total Quantity	
	During the previous financial year (2019-20)	During the current financial year (2020-21)
From Process	Nil	Nil
From Pollution Control Facility	Nil	Nil



### **PART-G**

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

1. Bag filter has been installed at crusher.
2. Wet drilling is being done by wet drilling machine.
3. Blasting is being done by as per working permission of DGMS under regulation 106(2)(b) of MMR1961.
4. Controlled blasting is being done by latest technology by using shock tube detonators of down the hole delay (in millisecond) as well as trunk line delay (in millisecond) to control noise level, vibration and fly rock. Which is regularly monitored by latest series of seismograph micro mate.
5. Top soil is stacked separately and utilized for plantation purpose.

### **PART – H**

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

Unit is conducting Environmental Monitoring as per the Guidelines of CPCB & State Pollution Control Board, and submitting reports on regular basis. Following steps has been adopted for haulage road design for minimum dust generation and a water tanker is dedicatedly deployed for watering on haulage road for suppression of dust. All the haulage roads including the mines to crusher/stock are being kept wide, leveled, and compacted with impact road roller. 1. The expenditure towards environmental protection measure during the period April-2020 to March-2021 is given below:

S. No.	Description	Amount (in lakh)
1	Plantation	28.73
2	Housekeeping and Vacuum Sweeping m/c	70.0
3	Env. Monitoring (Plant and Mines)	4.0
4	Technical consultancy charges (Plant and Mines)	12.0
5	Pollution control equipment's maintenance (Plant and Mines)	31.45
	Total	146.18

#### **Fugitive dust emission is being controlled**

- i. The drilling machines are equipped with the wet drilling arrangement by water injection system with compressed air.
- ii. Bag filters are installed at existing crushers.
- iii. Water spray on haul road by means of truck mounted tanker during every shift working.
- iv. Material is being wetted by water spraying before loading in dumpers.
- v. Water spraying arrangement/Dust suppression system has been provided at the unloading point of limestone crusher hopper & discharge end of belt conveyor.

**Noise is controlled by adopting various measures like-**

- i. Noise generated by mine machinery is minimized by adopting advanced maintenance practices.
- ii. Use of earmuff and earplug.
- iii. All HEMM being provided with AC operators cabin to overcome noise & dust pollution as well as to improve operator efficiency
- iv. Controlled blasting is being done by latest technology by using shock tube detonators of down the hole delay (in millisecond) as well as trunk line delay (in millisecond) to control noise level, vibration and fly rock. Which is regularly monitored by latest series of seismograph micro mate.
- v. Greenbelt is being development all around the mine boundary.

**Occupational Health & Safety Management-**

- i. Initial & Periodical medical examination is being done as per guidelines of MMR 1961 for occupational health monitoring of the employees.
- ii. Earplugs and earmuffs are provided to the workers working in high noise zone.
- iii. Trained operators operate machines.
- iv. All HEMMs are provided with AC cabin to overcome noise & dust pollution as well as fatigue sensor to improve operator efficiency.

**PART -I****MISCELLANEOUS:****Any other particulars in respect of environmental protection and abatement of pollution.**

1. Personal protective equipment (PPE's) are being provided to all mine employee i.e. Dust Mask, Ear plug, eye goggle etc.
2. Regular water spraying is being done on haulage roads and near loading places for effective dust suppression.
3. Dust generated during unloading of limestone in hopper is suppressed by water spraying in the form shower with pressure from nozzle fitted to main water pipeline in crusher, so that dust generated while crushing is suppressed.
4. Rock breaker machine is used for breaking of oversize boulders instead of secondary blasting which eliminated vibration, noise, fly rocks & reducing greenhouse gases which have caused due to secondary blasting.
5. Wet drilling system is being followed while drilling, so that dust is suppressed immediately.
6. Construction of grease and oil chamber at washing ramp to avoid pollution. Oil and grease is separated from water by gravity action &



filtered water is used for dust suppression purpose.

7. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.
8. Blasting is being done by using slurry explosive, ANFO and NONEL blasting system is used to reduce ground vibration.



**Ambient Air Quality Monitoring**

Location Name	Month	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)
<b>AAQ-1 Near West Plant and Mine Boundary</b>	Apr-20	30.1	63.8	13.6	11.4
	May-20	29.3	64.9	11.3	16.4
	Jun-20	28.6	63.8	12.7	14.8
	Jul-20	35.7	64.2	12.9	14.4
	Aug-20	32.4	66.1	10.9	16.3
	Sep-20	28.1	63.8	9.6	14.8
	Oct-20	35.6	78.2	13.6	15.3
	Nov-20	32.8	80.7	14.2	16.3
	Dec-20	29.6	72.8	13.7	15.8
	Jan-21	38.8	80.7	12.3	14.8
	Feb-21	35.2	78.3	15.9	18.2
	Mar-21	30.6	75.4	12.1	13.7
<b>AAQ-2 Near East Side Plant and Mine Boundary</b>	Apr-20	30.4	65.6	13.2	15.5
	May-20	27.2	63.5	12.8	14.3
	Jun-20	25.8	62.7	12.1	13.6
	Jul-20	28.7	64.8	10.6	12.9
	Aug-20	31.3	68.3	14.6	16.8
	Sep-20	20.6	65.8	12.9	14.3
	Oct-20	31.7	73.9	12.7	14.8
	Nov-20	30.4	70.6	13.9	15.2
	Dec-20	32.6	74.2	13.1	15
	Jan-21	37.6	82.1	13.4	15.7
	Feb-21	39.4	85.7	12.6	14.9
	Mar-21	31.8	80.2	11.7	12.8

<b>AAQ-3 Near North side Boundary wall</b>	Apr-20	23.5	63.1	11.9	12.7
	May-20	24.3	64.9	12.3	13.8
	Jun-20	21.7	62.8	11.9	12.3
	Jul-20	28.6	66.4	9.1	11.7
	Aug-20	23.2	61.7	9.9	14.1
	Sep-20	21.5	59.8	10.6	13.9
	Oct-20	28.9	68.4	12.3	14.8
	Nov-20	30.2	70.1	13.7	15.4
	Dec-20	31.5	69.8	13.2	14.7
	Jan-21	34.3	75.6	12.1	13.3
	Feb-21	31.6	73.9	13.6	16.1
	Mar-21	26.4	69.5	13.3	15.7
<b>AAQ-4 Near South Mine Boundary</b>	Apr-20	22.6	61.7	12.2	14.6
	May-20	23.5	62.3	13.4	14.1
	Jun-20	22.9	61.6	12.3	13.4
	Jul-20	22.4	60.6	8.9	12.6
	Aug-20	20.8	58.7	8.1	11.5
	Sep-20	19.6	57.4	9.6	12.1
	Oct-20	27.1	65.2	13.8	15.9
	Nov-20	30.3	69.6	14.9	16.1
	Dec-20	29.5	67.9	14.2	15.3
	Jan-21	28.2	66.1	12	13.5
	Feb-21	26.7	65.4	12.6	14.3
	Mar-21	25.1	60.6	11.1	12.9

## M/s Vimta Lab Limited AAQ Analysis Report:

**Vimta Labs Limited**  
Registered Office  
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### ISSUED TO:

**SHREE CEMENT LIMITED**  
(UNIT KARNATAKA CEMENT PROJECT)  
VILLAGE KODLA,  
TALLUKA SEDAM KALABURAGI,  
KARNATAKA.

Report Number : VLL/VLS/20/01911/003  
Issued Date : 2020-06-30  
Your Ref : SCU/CC/ARC/KODLA/18-19/WO-4932  
And Date : 2019-05-28

Kind Attn. : Mr. J. SUNIL  
Designation : Sr. Engineer-Environment

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### SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING

Sample Registration Date : 2020-06-19 Sampling Date : 2020-06-17  
Analysis Starting Date : 2020-06-19 Analysis Completion Date : 2020-06-26  
Test Required : PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>2</sub>, and CO.

SAMPLE COLLECTED BY VIMTA LABS LTD

### TEST REPORT

Sr. No.	Location Details	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO µg/m <sup>3</sup>		
						I	II	III
1	Near Switch Yard-1	35.2	58.6	12.8	16.5	195	377	287
2	Near east side plant & mine boundary	27.5	46.9	13.1	14.6	201	332	213
3	Near Crusher	35.6	61.2	13.4	16.2	169	298	221
4	Near Mines south side	31.8	51.9	12.2	14.8	210	317	239
Limits As Per NAAQS		60	100	80	80	2000		
Test Methods		Gravimetric Method		Improved West & Geake	Modified Jacob & Hochheiser Method	NDIR spectroscopy method		

PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>2</sub>, is monitored on 24 hrs. Basis & CO is monitored on 8 hrs basis.

**Dr. SubbaReddy Mallampati**  
Group Leader - Environment

Life Sciences Campus, # 5, MN Science & Technology Park, Genome Valley, Shamirpet, Hyderabad - 500 101, India  
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CIN : L24110TG1990PLC011977



**Vimta Labs Limited**

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**ISSUED TO:**

**SHREE CEMENT LIMITED**  
**(UNIT KARNATAKA CEMENT PROJECT)**  
**VILLAGE KODLA,**  
**TALUKA SEDAM KALABURAGI,**  
**KARNATAKA.**

Report Number : VLL/VLS/20/07250/007  
Issued Date : 2020-11-10  
Your Ref : SCL/CC/ARC/KODLA/18-19/WO-4932.  
And Date : 2019-05-28

Kind Attn. : Mr. J. SUNIL  
Designation : Sr. Engineer-Environment

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**SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING**

Sample Registration Date : 2020-11-02 Sampling Date : 2020-10-30 31  
Analysis Starting Date : 2020-11-02 Analysis Completion Date : 2020-11-10  
Test Required : PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>2</sub>, and CO.  
SAMPLE COLLECTED BY VIMTA LABS LTD

**TEST REPORT**

PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>2</sub>, is monitored on 24 hrs. Basis & CO is monitored on 8 hrs basis.

Sr. No.	Location Details	PM <sub>2.5</sub> ( $\mu\text{g}/\text{m}^3$ )	PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	CO $\mu\text{g}/\text{m}^3$		
						I	II	III
1	Near Switch Yard-1	36.9	53.5	15.6	16.5	256	324	331
2	Near east side plant & mine boundary	31.6	52.8	14.9	16.3	235	351	319
3	Near Crusher	34.5	62.6	13.2	15.4	225	335	325
4	Near Mines south side	32.6	54.6	13.7	15.7	214	338	315
Limits As Per NAAQS		60	100	80	80	2000		
Test Methods		Gravimetric Method		Improved West & Geake	Modified Jacob & Hochheiser Method	NDIR spectroscopy method		

  
Dr. Subba Reddy Mallampati  
Group Leader - Environment

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Driven by Quality. Inspired by Science.

**ISSUED TO:**

**SHREE CEMENT LIMITED**  
(UNIT KARNATAKA CEMENT PROJECT)  
VILLAGE KODLA,  
TALUKA SEDAM KALABURAGI,  
KARNATAKA.

Report Number : VLL/VLS/20/10055/009  
Issued Date : 2021-03-27  
Your Ref : SCL/CC/ARC/KODLA/18-19/WO-4932.  
And Date : 2019-05-28

Kind Attn. : Mr. J. SUNIL  
Designation : Sr. Engineer-Environment

Page 1 of 1

**SAMPLE PARTICULARS : AMBIENT AIR QUALITY MONITORING**

Sample Registration Date : 2021-03-15 Sampling Date : 2021-03-12 & 13  
Analysis Starting Date : 2021-03-15 Analysis Completion Date : 2021-03-27  
Test Required : PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>2</sub> and CO.

SAMPLE COLLECTED BY VIMTA LABS LTD

**TEST REPORT**

PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>2</sub>, is monitored on 24 hrs. Basis & CO is monitored on 8 hrs basis.

Sr. No.	Location Details	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO µg/m <sup>3</sup>		
						I	II	III
1	Near Switch Yard-1	42.3	56.8	16.1	16.8	263	329	345
2	Near east side plant & mine boundary	40.6	55.4	15.7	16.7	244	347	324
3	Near Crusher	39.8	64.6	14.9	15.6	229	338	334
4	Near Mines south side	43.5	59.9	14.6	16.2	219	341	321
Limits As Per NAAQS		60	100	80	80	2000		
Test Methods		Gravimetric Method		Improved West & Geake	Modified Jacob & Hochheiser Method	NDIR spectroscopy method		

Dr. Subba Reddy Mallampati  
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CIN : L24110TG1990PLC011977



**Noise Monitoring****SCL Noise analysis report:****Apr-20**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	50.7	39.8
02.	Near east side plant & mine boundary	54.3	42.6
03.	Near CCR building	59.8	46.4
04.	Near crusher	68.2	57.1
05.	Near cement mill	69.9	61.2

**May-20**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	52.6	40.3
02.	Near east side plant & mine boundary	55.2	40.7
03.	Near CCR building	58.1	42.3
04.	Near crusher	69.9	56.8
05.	Near cement mill	68.3	58.4

**Jun-20**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	51.2	38.7
02.	Near east side plant & mine boundary	53.8	40.2
03.	Near CCR building	59.4	41.9
04.	Near crusher	70.3	53.8
05.	Near cement mill	69.7	56.3

### July-20

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	53.7	45.6
02.	Near east side plant & mine boundary	54.6	43.8
03.	Near CCR building	58.2	42.3
04.	Near crusher	71.6	54.7
05.	Near cement mill	70.4	55.1

### Aug-20

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	51.9	42.6
02.	Near east side plant & mine boundary	53.6	40.8
03.	Near CCR building	56.7	39.2
04.	Near crusher	68.3	51.5
05.	Near cement mill	69.6	54.3

### Sep-20

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	53.1	40.6
02.	Near east side plant & mine boundary	51.7	39.2
03.	Near CCR building	59.2	41.6
04.	Near crusher	70.9	53.4
05.	Near cement mill	71.6	55.1



**Oct-20**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	50.6	39.7
02.	Near east side plant & mine boundary	53.8	41.2
03.	Near CCR building	51.2	38.3
04.	Near crusher	69.6	52.7
05.	Near cement mill	70.4	52.1

**Nov-20**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	51.8	40.7
02.	Near east side plant & mine boundary	54.2	42.5
03.	Near CCR building	53.1	37.2
04.	Near crusher	70.5	54.3
05.	Near cement mill	69.2	49.8

**Dec-20**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	52.7	39.1
02.	Near east side plant & mine boundary	53.6	41.9
03.	Near CCR building	52.7	38.2
04.	Near crusher	69.3	53.7
05.	Near cement mill	68.9	48.5

**Jan-21**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	49.3	33.6
02.	Near east side plant & mine boundary	51.6	42.8
03.	Near CCR building	53.4	31.8
04.	Near crusher	68.6	48.2
05.	Near cement mill	70.1	49.7

**Feb-21**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	48.4	30.5
02.	Near east side plant & mine boundary	52.4	40.1
03.	Near CCR building	54.1	33.2
04.	Near crusher	69.3	47.1
05.	Near cement mill	68.6	48.2

**March-21**

Sl. No.	Location	Noise Level at Day Time Limit: 75 dB (A)	Noise Level at Night Time Limit: 70 dB (A)
01.	Near Switch Yard-I	50.9	45.7
02.	Near east side plant & mine boundary	52.6	48.9
03.	Near CCR building	59.8	57.7
04.	Near crusher	59.4	56.1
05.	Near cement mill	52.9	51.7

## M/s Vimta Lab Limited Noise Analysis Report:

**Vimta Labs Limited**  
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### ISSUED TO:

**SHREE CEMENT LIMITED**  
**(UNIT KARNATAKA CEMENT PROJECT)**  
**VILLAGE KODLA,**  
**TALUKA SEDAM KALABURAGI,**  
**KARNATAKA.**

Report Number : VLL/VLS/20/01911/002  
Issued Date : 2020-06-30  
Your Ref : SCL/CC/ARC/KODLA/18-19/WO-4932.  
And Date : 2019-05-28

Kind Attn. : Mr. J. SUNIL  
Designation : Sr. Engineer-Environment

Page 1 of 1

### SAMPLE PARTICULARS : AMBIENT NOISE MONITORING

Sample Registration Date : 2020-06-19 Sampling Date : 2020-06-17

Test Required :  $L_{10}$ ,  $L_{50}$ ,  $L_{90}$ ,  $L_{eq}$ ,  $L_{day}$ ,  $L_{night}$  &  $L_{dn}$ .  
SAMPLE COLLECTED BY VIMTA LABS LTD

### TEST REPORT

S.No.	Location Details	$L_{10}$	$L_{50}$	$L_{90}$	$L_{eq}$	$L_{day}$	$L_{night}$	$L_{dn}$
1	Near Switch Yard-1	53.2	49.3	45.6	50.3	51.1	47.5	54.6
2	Near east side plant & mine boundary	51.4	47.5	43.8	48.5	49.3	45.7	52.8
3	Near Crusher	61.8	57.9	54.2	58.9	59.7	56.1	63.2
4	Near Cement Mill	63.1	59.2	55.5	60.2	61.0	57.4	64.5
5	Near CCR Building	56.8	52.9	49.2	53.9	54.7	51.1	58.2

**Dr. SubbaReddy Mallampati**  
Group Leader - Environment

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**ISSUED TO:**

**SHREE CEMENT LIMITED**  
(UNIT KARNATAKA CEMENT PROJECT)  
VILLAGE KODLA,  
TALUKA SEDAM KALABURAGI,  
KARNATAKA.

Report Number : VLL/VLS/20/07250/006  
Issued Date : 2020-11-05  
Your Ref : SCL/CC/ARC/KODLA/18-19/WO-4932  
And Date : 2019-05-28

Kind Attn. : Mr. J. SUNIL  
Designation : Sr. Engineer-Environment

Page 1 of 1

**SAMPLE PARTICULARS : AMBIENT NOISE MONITORING**

Sample Registration Date : 2020-11-02 Sampling Date : 2020-10-30 & 31

Test Required :  $L_{10}$ ,  $L_{50}$ ,  $L_{90}$ ,  $L_{eq}$ ,  $L_{day}$ ,  $L_{night}$  &  $L_{dn}$

SAMPLE COLLECTED BY VIMTA LABS LTD

**TEST REPORT**

S.No.	Location Details	$L_{10}$	$L_{50}$	$L_{90}$	$L_{eq}$	$L_{day}$	$L_{night}$	$L_{dn}$
1	Near Switch Yard-1	52.1	48.2	44.5	49.2	50.0	46.4	53.5
2	Near east side plant & mine boundary	53.7	49.8	46.1	50.8	51.6	48.0	55.1
3	Near Crusher	62.2	58.3	54.6	59.3	60.1	56.5	63.6
4	Near Cement Mill	60.7	56.8	53.1	57.8	58.6	55.0	62.1
5	Near CCR Building	56.7	52.8	49.1	53.8	54.6	51.0	58.1

Dr. Subba Reddy Mallampati  
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**ISSUED TO:**

SHREE CEMENT LIMITED  
(UNIT KARNATAKA CEMENT PROJECT)  
VILLAGE KODLA,  
TALUKA SEDAM KALABURAGI,  
KARNATAKA.

Report Number : VLL/VLS/20/10055/008  
Issued Date : 2021-03-27  
Your Ref : SCL/CC/ARC/KODLA/18-19/WO-4932.  
And Date : 2019-05-28

Kind Attn. : Mr. J. SUNIL  
Designation : Sr. Engineer-Environment

Page 1 of 1

**SAMPLE PARTICULARS : AMBIENT NOISE MONITORING**

Sample Registration Date : 2021-03-08 Sampling Date : 2021-03-05 & 06

Test Required :  $L_{10}$ ,  $L_{50}$ ,  $L_{90}$ ,  $L_{eq}$ ,  $L_{day}$ ,  $L_{night}$  &  $L_{dn}$

SAMPLE COLLECTED BY VIMTA LABS LTD

**TEST REPORT**

S.No.	Location Details	$L_{10}$	$L_{50}$	$L_{90}$	$L_{eq}$	$L_{day}$	$L_{night}$	$L_{dn}$
1	Near Switch Yard-1	52.8	48.4	44.7	48.9	50.9	45.7	51.8
2	Near east side plant & mine boundary	53.2	50.6	46.9	51.7	52.6	48.9	55.6
3	Near Crusher	61.5	59.7	56.4	57.5	59.8	57.7	61.5
4	Near Cement Mill	61.6	57.6	55.9	58.6	59.4	56.1	60.6
5	Near CCR Building	56.4	52.0	50.7	51.8	52.9	51.7	57.6

Dr. Subba Reddy Mallampati  
Group Leader - Environment



