

o/c



ZCL/ENV/F-V/MINES/2022/SPO3

Date: 24.09.2022

TO,  
The Member Secretary  
Andhra Pradesh Pollution Control Board,  
D No:33-26-14 D/2, Near Sunrise Hospital,  
Puspha Hotel Centre,  
Chalamavari Street, Kasturibaipet,  
Vijayawada-520010.

Sub: Environmental Statement (Form-V) of Zuari Limestone Mines of M/s Zuari Cements Ltd,  
located in Krishnagar, Yerraguntla, District Y.S.R Kadapa – A.P for the Year 2021-22.

Dear Sir,

This has reference to above subject, we are submitting herewith the Environmental Statement in Form-V of Zuari Limestone Mines of M/s Zuari Cement Ltd, located in Krishnagar, Yerraguntla, District Y.S.R Kadapa – A.P for the Year 2021-22 as per The Environment (Protection) Rules 1986.

Kindly acknowledge receipt of the same.

Thanking you,

Yours faithfully,  
For Zuari Cement Ltd,

  
V. Madhava Reddy  
AGM -Environment

Encl: As above

CC:

The Regional Director,  
Integrated Regional Office,  
Ministry of Environment, Forests & Climate Change,  
Buckinghampeta, Vijayawada,  
Andharapradesh -520002.

The Environment Engineer,  
Andhra Pradesh Pollution Control Board,  
Regional Office, 2nd Floor,  
D.No.1/2277, Rajiv Park Road,  
A.P. Housing Board Colony, Kadapa – 516003.



Registered Office:  
Krishna Nagar - 516 311  
Yerraguntla, Dist. – Kadapa,  
Andhra Pradesh, India





**Zuari Cement**  
HEIDELBERGCEMENT Group

**M/s. ZUARI LIMESTONE MINE  
(M/s. ZUARI CEMENT LTD.)  
Kirshna Nagar, Yerraguntla,  
Kadapa (Dist) - 516 311.**



**ENVIRONMENTAL STATEMENT (AUDIT)  
FOR THE FINANCIAL YEAR 2021-22**

## **INTRODUCTION:**

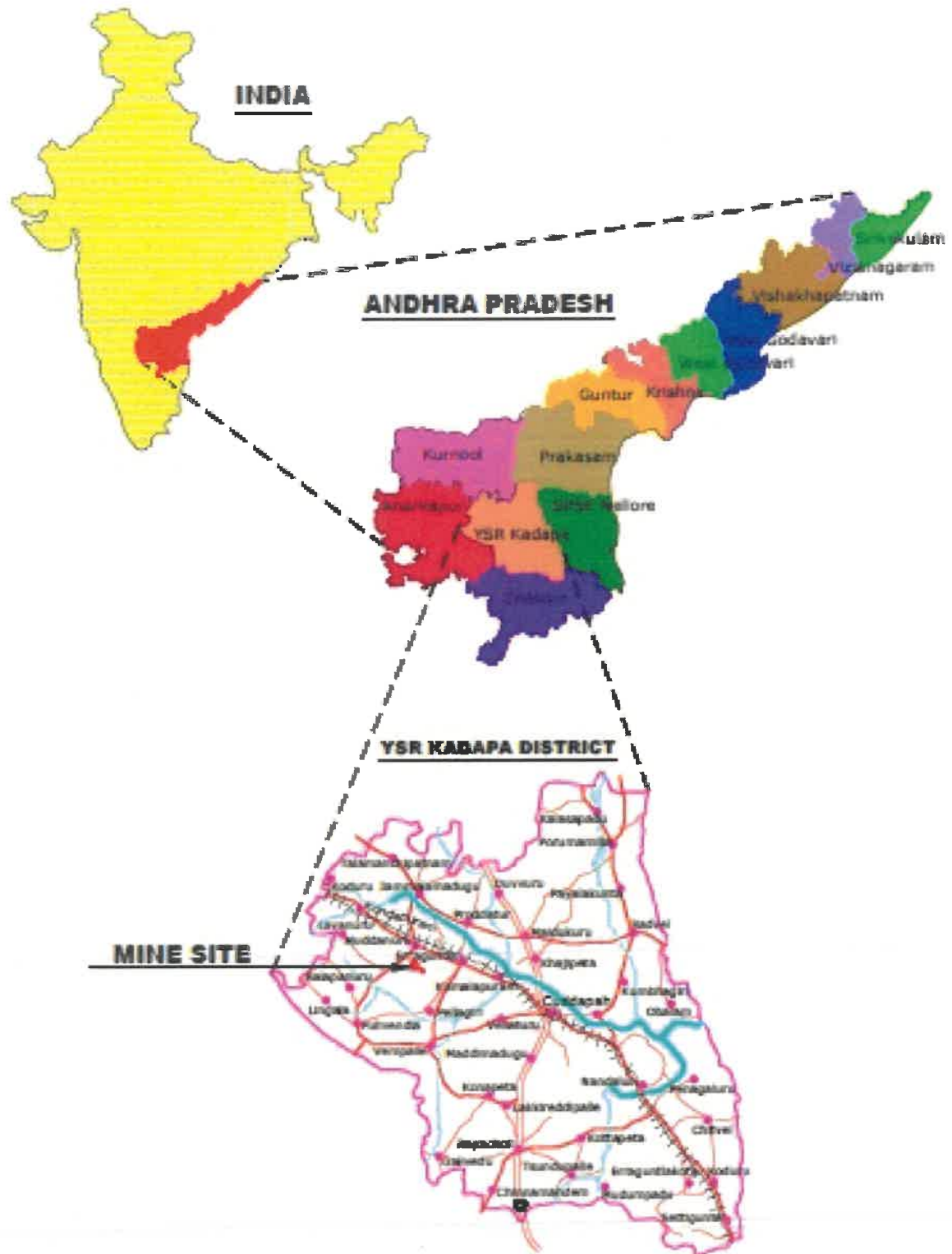
M/s. Zuari Cement Limited (ZCL) is part of Heidelberg Cement group, number 1 producer of aggregates, the number 2 in cement and number 3 in ready-mixed concrete worldwide. The Plant was established in the year of 1985 and expanded in 1999& 2010. After the commissioning of Line-2 in the year 2010, the production capacity has enhanced to 5.4 MTPA. M/s. Zuari Cement Limited is manufacturing different types of Cement with a production capacity of Clinker- 4.3 Million Tonne/Annum and Cement - 5.4 Million Tonne/Annum. The Yerraguntla unit is An ISO 9001,ISO 14001,50001& ISO 45001certified company

## **LOCATION:**

The M/s. Zuari Limestone Mines (M/s. Zuari Cement Limited) is situated in Yerraguntla Mandal, Kadapa district of Andhra Pradesh. The area is located between Latitude 14036'10" to 14038'30" N and Longitude 78031'24" to 78033'30" E.

The nearest airport is at Kadapa, which is about 46 km away. The nearest railway station is Yerragunta, which is located on the Chennai – Mumbai broad gauge line. There is a private siding wholly owned by the cement company joining the above said line at Yerraguntla. This is solely used for transport of cement and other raw materials. The mine area is 7 km away from Yerraguntla and nearest business town is Proddatur, which is at a distance of 19 km.

## LOCATION MAP



**FORM - V**  
**(See rule 14)**  
**ENVIRONMENTAL STATEMENT REPORT FOR THE FINANCIAL**  
**YEAR ENDING THE 31<sup>ST</sup> MARCH, 2022**

## PART – A

- i) Name and address of the owner/ occupier of the industry operation or process. : Shri. Vimal Kumar Jain  
Director –Technical,  
The Plam Drive, Tower-A  
Flat No 302, Sector 66,  
Gurugram, Haryana – 122102.
- ii) Date of the last environmental audit report submitted : 25.09.2021
- iii) Production Capacity : 7.0 Million Tons/Annum
- iv) Year of Establishment : 1984

## PART – B

### WATER AND RAW MATERIAL CONSUMPTION

Average water consumption m3/day: 65

Name of Product	Water consumption per unit of product (KL/MT)	
	During the previous financial year (2020-21)	During the current financial year (2021-2022)
Limestone	0.008	0.0069

ii) Raw material consumption:

Name of Raw Materials	Name of product	Consumption of raw material per MT of output Lime Stone	
		During the previous financial year (2020-21)	During the current financial year (2021-22)
HSD	Limestone	0.59 L /MT	0.495 L/MT
Explosives	Limestone	0.130 Kg/MT	0.104 Kg/MT

**PART - C**  
**POLLUTION GENERATED**

(Parameter as specified in the consent issued)

Pollutants	Quantity of Pollutants Discharged (kg/day) 2020-21	Concentrations Of Pollutants in Discharges (mg/L) 2021-22	Percentage of variation from prescribed standards with reasons
<b>a) Waste Water:</b> (There is no process waste water)			
<b>b) Air:</b> There are no source emissions, only dust generation during mining operation is monitored by establishing ambient air quality sampling stations at various places in mine premises and surrounding areas. The generated data is enclosed as Annexure-I			

## PART - D

### HAZARDOUS WASTE

(Under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016)

Hazardous wastes	Total Quantity per Year	
	During the previous financial year (2020-21)	During the current financial year (2021-22)
a) From Process		
i) Waste Oil/ residue containing oil	14.06 MT	11.386 MT
ii) Waste oil	NIL	3.65 MT
iii) Old Batteries	8.86 MT	0.92 MT
b) From Pollution control facilities	NA	NA

Note: 2021-22 Waste Oil and Grease generated from plant and limestone mine.

## PART - E

### SOLID WASTES

S.No	Solids Waste	Total quantity	
		During the previous financial year (2020-21)	During the current financial year (2021-22)
a)	From Process		
	Black cotton soil generating in mining operation	Nil	NIL
b)	From Pollution Control Facility	-NA-	-NA-
c)	Quantity recycled or re-utilized	-NA-	-NA-



## **PART - F**

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

Hazardous waste generated in the form of used oil and old batteries. Used oil is sold to authorized waste Recyclers. Old batteries are disposed to authorized battery Recyclers.

Solid waste as black cotton soil, negligible in quantity, generated during mining operation is stored in dumps and used in greenbelt developments.

## **PART – G**

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

Evaluation on this aspect is being carried. Reclamation of mined out area as development of water storage reservoirs will be done to facilitate increase in water regime after completion of mining in lease hold areas.

## PART - H

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

The company is committed to preserve and improve the ecological balance in and around the mine area. In order to achieve this company has taken several steps to make the mine Eco-friendly.

- Centralized water-sprinkling system along with a mobile water sprinkler used for haulroad sprinkling and sprinkling on muck pile.
- Oil separation pit near washing ramp for separating oil from overflow water, which is again reused for washing.
- Concreting done at mines garage area to avoid fugitive dust emission.



**WET DRILLING**



**MUCK PILE WETTING**



**Water Sprinklers at haul road**



**WATER TANKER**



**WATER SPRAYING AT CRUSHER**





**Geo textile matting**



**Garland Drain**



**Belt curtains provided at crusher hopper**

## **PART - I**

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

The management objective is to achieve the production without affecting the physical, chemical and biological environments of the nearby vicinity. Industry has taken lot of efforts to raise the plantation in and around the mining lease area .

Development of deep sump in mines has been taken up, so that rain water can be stored for use during summer. The same sump also helps in recharging of the underlying aquifer. Rain harvesting is practiced and same water is being used for dust suppression. For noise pollution control, down the hole initiation system are used. Over and above greenbelt is developed along the boundary of mine area for reducing the impact of noise due to mining activity on the surrounding environment. Regular water sprinkling is done at mine face and haulage roads to suppress dust. Conservation of resources is done following approved mining plan.

## AMBIENT AIR MONITORING RESULTS FOR THE YEAR -2021-22

**Location: Mines Office**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m <sup>3</sup>	62.2	56.2	65.2	59.3	60.2	56.8	57.4	51.2	52.6	58.6	58.4	53.4	55.9	52.2	51.4	48.6	56.8	50.9	52.2	46.5	50.7	49.7	56.9	57.6
<b>PM2.5</b> µg/m <sup>3</sup>	20.4	21.4	24.4	22.7	22.8	21.5	21.8	19.0	19.9	22.2	22.1	20.3	20.5	20.4	19.5	18.4	21.5	19.3	19.8	17.6	18.4	18.5	20.3	20.2
<b>SO<sub>2</sub></b> µg/m <sup>3</sup>	8.65	10.4	14.8	8.6	8.7	9.6	6.9	7.8	7.3	8.9	8.4	9.3	9.6	7.2	7.4	6.0	6.7	7.5	7.2	8.4	6.7	7.9	7.9	6.4
<b>NOX</b> µg/m <sup>3</sup>	18.2	17.8	23.1	16.9	20.9	18.3	16.4	16.2	18.9	18.1	19.2	17.5	17.5	16.3	16.3	17.8	15.8	16.3	16.9	17.6	15.5	16.4	16.3	17.9

**Location: Loading**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m <sup>3</sup>	70.5	66.5	74.3	62.4	71.4	66.7	68.5	62.9	76.1	64.7	70.8	67.8	63.4	61.3	68.7	65.8	64.9	62.7	67.8	65.9	64.2	68.4	69.5	63.2
<b>PM2.5</b> µg/m <sup>3</sup>	30.6	26.3	31.2	24.5	27.1	25.3	26.1	23.9	28.9	24.5	26.9	25.7	19.8	24.1	26.1	25.1	24.6	23.8	25.7	25.1	24.6	26.7	26.7	23.8
<b>SO<sub>2</sub></b> µg/m <sup>3</sup>	12.5	12.6	11.4	10.7	10.5	11.9	9.4	9.4	11.6	11.3	10.7	10.5	11.4	9.6	10.6	11.7	11.5	9.8	12.5	10.2	10.3	12.5	9.8	10.3
<b>NOX</b> µg/m <sup>3</sup>	22.1	24.9	24.5	21.8	22.6	20.4	18.1	19.1	21.4	21.6	20.6	20.3	22.3	21.5	21.4	19.6	22.6	20.9	24.3	21.3	21.4	24.7	22.5	21.9

**Location: Near Drilling**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m3	75.1	72.1	78.1	68.5	75.3	70.8	72.6	74.1	69.7	70.2	74.5	72.6	61.6	46.4	65.2	53.9	60.5	58.1	63.2	60.7	60.7	64.2	64.7	60.8
<b>PM2.5</b> µg/m3	32.5	30.2	34.3	27.6	28.6	26.9	27.5	28.1	26.4	26.6	28.3	27.5	18.8	19.2	24.7	20.4	22.9	22.1	24.1	23.1	23.3	24.9	24.8	21.7
<b>SO2</b> µg/m3	13.7	11.7	10.2	9.5	11.7	10.3	10.5	8.90	9.7	13.2	11.3	11.9	10.5	8.7	8.8	9.4	9.8	8.3	10.7	9.5	11.3	11.7	10.5	8.4
<b>NOX</b> µg/m3	24.7	22.4	21.1	20.9	24.2	21.4	20.7	18.6	16.5	25.8	22.8	22.6	23.9	18.9	19.6	21.5	20.4	18.7	21.9	19.2	23.8	21.5	20.9	19.6

**Location: Haul Road**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m3	68.4	69.4	79.5	65.1	68.7	73.8	63.2	63.3	60.3	62.8	65.9	61.2	64.5	61.5	58.6	57.9	66.8	54.8	60.4	57.3	57.9	54.7	60.2	52.4
<b>PM2.5</b> µg/m3	27.8	28.3	25.1	25.7	26.1	28.1	24.3	25.9	22.9	23.8	25.1	23.3	20.1	21.8	22.2	22.1	25.3	20.8	22.9	21.8	21.3	20.1	22.7	17.8
<b>SO2</b> µg/m3	11.9	14.5	13.3	13.6	9.6	12.7	12.2	10.3	13.2	12.5	12.6	13.4	8.7	10.8	9.5	8.4	10.6	10.5	9.8	11.7	12.6	8.9	11.4	12.4
<b>NOX</b> µg/m3	23.9	26.1	25.4	23.9	18.5	24.2	24.7	20.9	26.2	23.5	25.5	25.1	24.6	23.2	23.8	24.8	18.5	22.9	17.4	23.8	24.9	20.4	23.7	23.7

**Location: Valasapalle**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m3	56.3	54.3	57.4	51.7	53.8	55.9	50.1	52.2	57.8	50.6	54.6	47.9	50.8	44.6	46.7	40.4	49.8	46.5	60.4	41.9	51.6	44.6	46.3	49.5
<b>PM2.5</b> µg/m3	17.1	20.1	21.1	18.6	20.4	21.2	19.3	21.7	21.9	19.2	20.7	18.3	19.3	16.9	17.7	15.4	18.9	17.6	22.9	15.9	20.2	17.8	17.4	16.7
<b>SO2</b> µg/m3	7.5	8.3	9.5	9.1	7.6	10.3	8.4	8.6	6.8	7.6	7.4	8.3	6.9	6.5	8.5	9.4	7.9	6.5	9.8	7.2	7.5	6.6	8.2	9.5
<b>NOX</b> µg/m3	9.1	16.3	16.1	17.3	15.8	19.2	17.9	18.1	15.6	16.7	16.8	18.5	17.6	16.9	15.9	18.2	16.4	16.7	17.4	15.5	17.3	17.2	18.2	20.4

**Location: Koduru**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m3	60.2	63.2	62.5	60.6	59.2	63.4	51.9	60.6	53.1	56.8	55.9	58.6	51.2	61.9	42.8	56.3	40.1	51.9	46.4	47.5	48.7	56.2	52.6	52.8
<b>PM2.5</b> µg/m3	24.6	24.3	24.3	22.4	22.4	24.1	18.5	22.2	20.1	21.5	21.2	22.2	20.7	20.5	16.2	21.4	15.2	19.7	17.6	18.1	18.2	22.9	20.8	20.4
<b>SO2</b> µg/m3	9.1	7.9	10.2	8.7	8.8	9.5	10.1	10.9	9.3	8.8	8.7	10.5	9.5	9.2	10.1	10.3	9.5	8.9	8.2	9.1	9.5	8.7	10.1	7.4
<b>NOX</b> µg/m3	21.9	15.9	20.4	16.5	17.6	17.9	20.2	21.3	18.5	20.8	19.6	21.4	18.8	19.6	20.7	20.3	19.3	19.5	19.5	17.5	23.5	19.5	21.8	16.8



**Location: Peddannapadu**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m <sup>3</sup>	58.4	60.4	59.3	64.7	50.9	57.2	55.6	57.4	60.6	61.9	46.2	63.2	48.7	58.8	53.5	52.9	50.5	56.3	56.1	50.2	59.2	53.4	57.4	55.9
<b>PM2.5</b> µg/m <sup>3</sup>	19.3	22.3	18.5	24.9	19.3	21.7	19.9	24.6	23.1	23.5	17.5	24.1	18.5	22.3	20.3	20.2	19.1	21.3	21.3	19.1	23.5	20.6	21.5	22.7
<b>SO<sub>2</sub></b> µg/m <sup>3</sup>	6.5	10.2	9.4	12.3	9.2	11.4	7.5	12.6	8.5	9.1	9.1	7.9	7.8	8.8	7.3	7.7	10.7	7.2	9.3	8.4	8.1	10.5	11.7	8.9
<b>NOX</b> µg/m <sup>3</sup>	16.5	18.4	17.2	20.6	18.9	21.4	16.3	23.2	17.4	22.6	20.3	16.3	21.4	18.7	18.8	16.4	20.4	18.7	23.2	16.8	21.5	22.2	23.9	18.4

**Location: Tummalapalli**

	April-21		May-21		June-21		July-21		Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		March-22	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
<b>PM10</b> µg/m <sup>3</sup>	66.5	51.3	68.2	55.9	62.3	52.1	54.7	55.5	50.8	53.8	59.2	56.5	52.1	50.8	57.9	59.4	55.2	42.8	52.6	56.6	55.2	61.7	59.8	59.4
<b>PM2.5</b> µg/m <sup>3</sup>	26.2	17.2	26.2	20.8	23.6	19.7	20.7	21.1	19.3	20.4	22.4	21.5	20.3	19.3	22.0	22.6	20.9	16.2	19.9	21.5	21.6	24.5	23.9	23.8
<b>SO<sub>2</sub></b> µg/m <sup>3</sup>	10.1	11.7	9.3	10.4	10.7	8.6	9.6	9.3	10.2	9.9	11.3	9.9	10.5	7.6	9.4	8.2	8.1	9.6	7.5	10.3	6.9	9.2	9.3	10.3
<b>NOX</b> µg/m <sup>3</sup>	20.3	21.2	21.5	19.5	20.3	16.4	19.8	17.2	20.5	18.3	22.8	20.8	20.9	22.4	22.4	19.5	17.8	21.3	16.4	20.8	18.2	21.3	20.1	22.6

### AMBIENT NOISE RESULTS FOR THE YEAR -2021-22

Location	April-21	May-21	June-21	July-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	March-22
	D	D	D	D	D	D	D	D	D	D	D	D
Mines Boundary-East	61.20	63.70	64.90	61.50	65.40	64.80	61.90	63.40	61.70	63.40	65.90	64.10
Mines Boundary-West	68.40	65.30	62.50	64.70	61.30	63.10	65.80	64.90	63.90	65.10	66.10	62.90
Mines Boundary-North	64.70	62.90	65.20	60.30	62.90	60.70	62.80	60.30	58.40	61.90	63.40	65.30
Mines Boundary-South	66.30	61.50	66.70	62.90	63.60	65.40	63.70	66.10	59.30	60.20	62.80	63.20

Location	April-21	May-21	June-21	July-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	March-22
	N	N	N	N	N	N	N	N	N	N	N	N
Mines Boundary-East	56.40	58.20	59.40	56.40	60.50	59.40	56.30	58.50	56.50	58.10	60.80	59.30
Mines Boundary-West	63.20	60.80	57.80	59.20	56.30	58.30	60.20	59.20	58.30	60.40	61.20	57.60
Mines Boundary-North	59.50	57.60	60.30	55.10	57.10	55.50	57.70	55.60	53.20	56.70	58.50	60.10
Mines Boundary-South	61.70	56.70	61.20	57.50	58.80	60.20	58.60	61.30	54.70	55.30	57.10	58.70

D:Day Time    N:Night Time

### **MINES PIT WATER ANALYSIS REPORT FOR THE YEAR 2021-22**

	Total Dissolved Solid (TDS)	Bio-chemical Oxygen Demand	PH	Total Suspended solids (TSS)
APR'21	1,320	10	7.46	47
MAY'21	1,372	08	7.64	30
JUN'21	1,328	06	7.39	26
JUL'21	1,195	05	7.62	23
AUG'21	1,241	07	7.40	28
SEP'21	1,268	09	7.54	20
OCT'21	1,224	07	7.81	24
NOV'21	1,346	08	7.58	26
DEC'21	1,211	07	7.35	23
JAN'22	1,090	06	7.81	21
FEB'22	964	08	7.59	18
MAR'22	868	07	7.32	16

(Zero Discharge Water from Mines)

Mines harvested water is being used for Cement Plant Operations.

### **Water Sprinklers inside Plant**



### **Rain guns at Mines Roads**



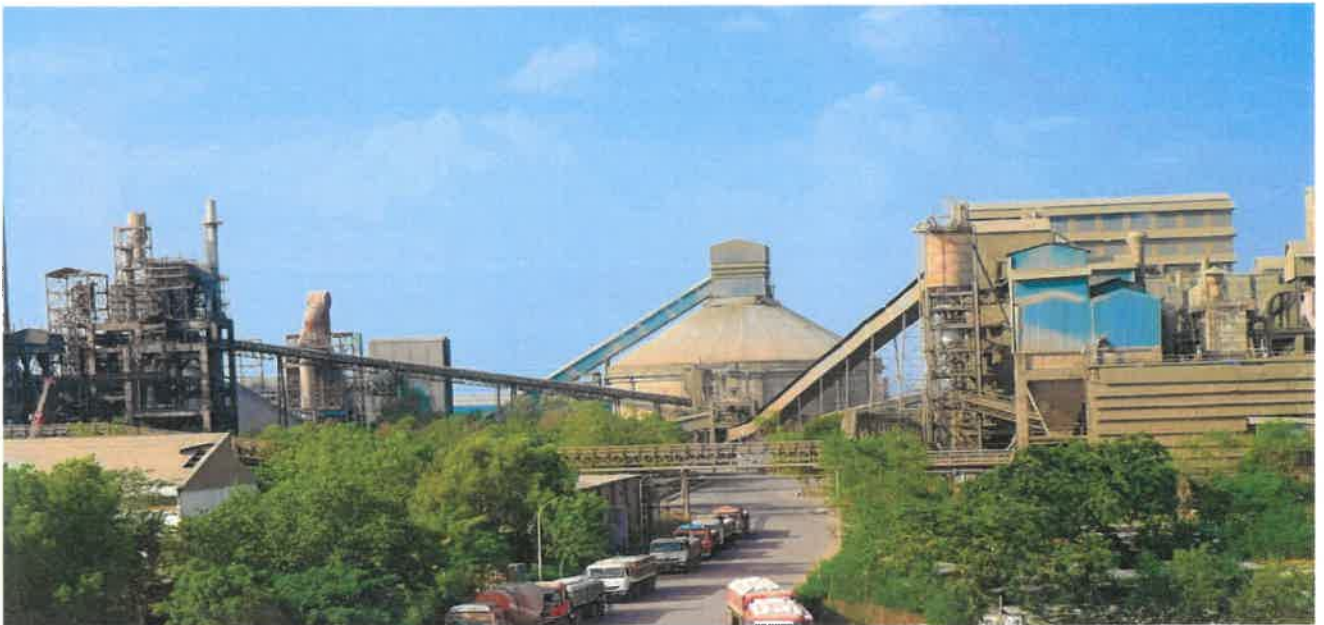


# **Green Belt Development**

## **Plant Overview**



## **Plant Front Road**

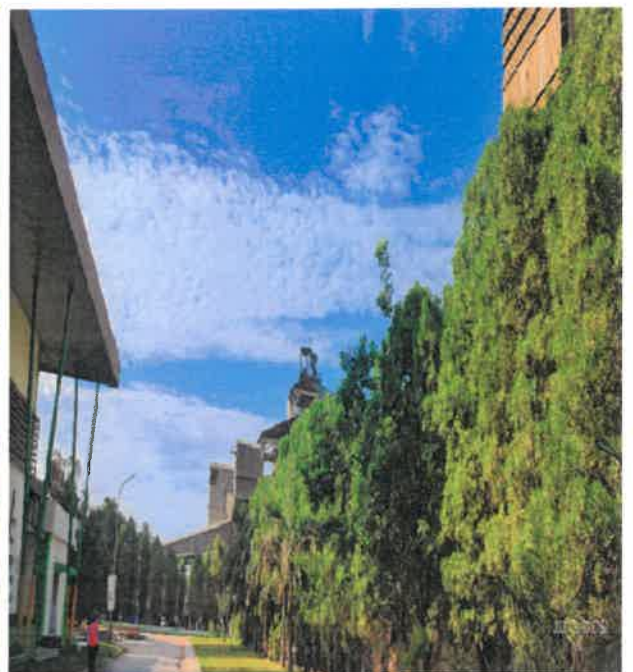


## **Plant Roads**

**STP Road**



**Inside Plant**





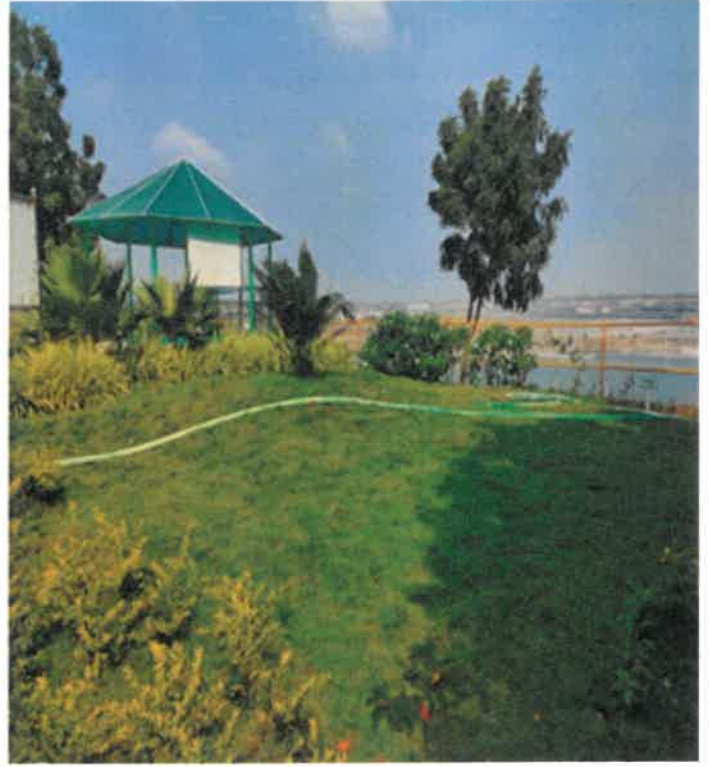
## Miyawaki Plantation



**Plantation: 20201-22: Plant – 4700 Nos & Mines:1600 NOs**

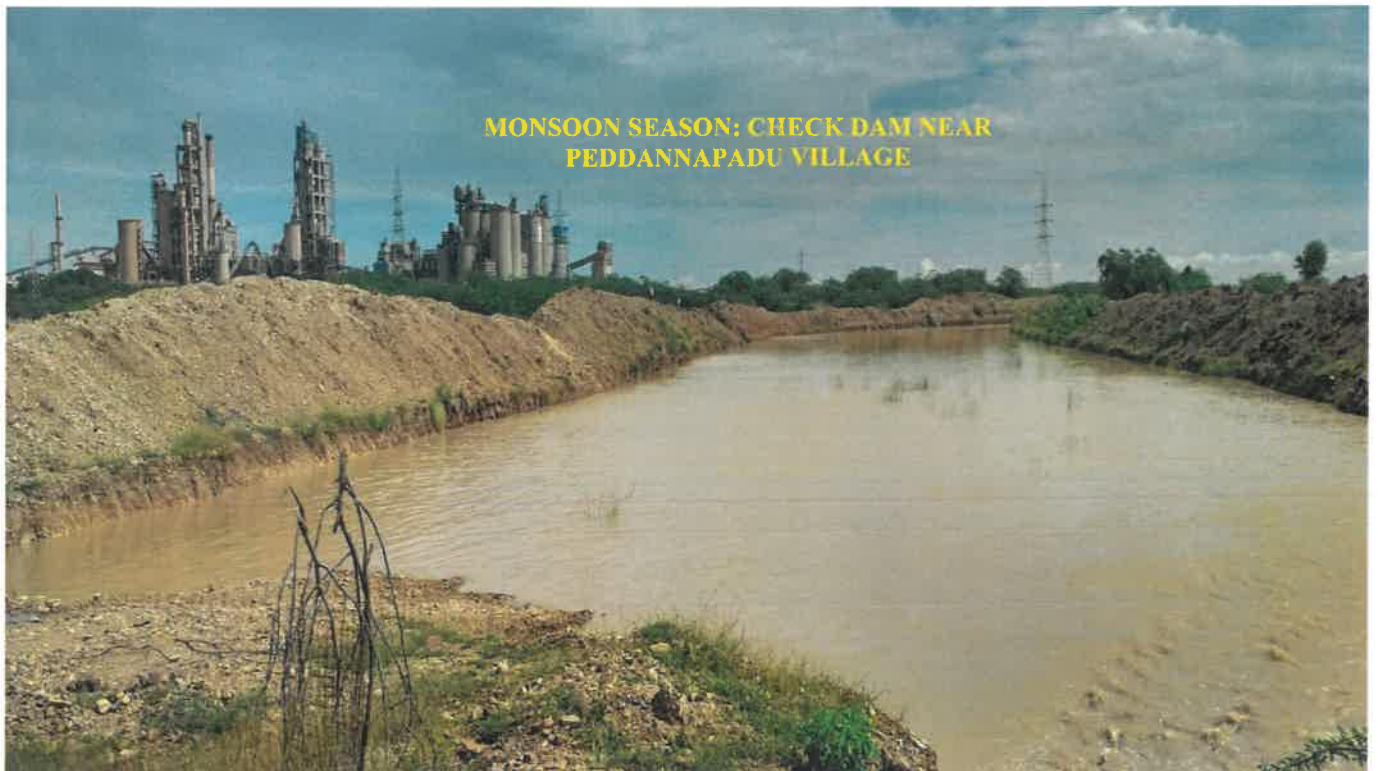
Environmental Statement for the year 2021-22 Zuari Limestone mines, Yerraguntla, Kadapa-A.P

### Mines View Point





**Rain water harvesting:**





## **Improving the quality of the environment.**

- Zuari Cement has certified ISO-14001 (Environmental Management Systems) by TUV.
- To create Environmental awareness Zuari Cement is celebrated World Environment Day every year.
- Massive Plantation has been done at inside and outside the plant & mines.
- To reduce water consumption, Collection pond has been made in plant to collect Rainwater/spillage water which is used for the Plant process .
- Ensure water sprinkling system in Crusher and Transfer point of Conveyor belt for effective fugitive dust suppression
- Ensure proper storage and disposal of Hazardous waste.
- Massive green belt development program for dust suppression as well as noise Control.
- Provision bag filters /dust collectors in all material transfer points.
- The pollution auto control equipment's are always maintained in healthy condition and are run as an integral part of production process.
- Dust suppression over the roads by using proper water sprinkling.
- Atomized water spray system at Limestone & Coal handling areas.
- The Sewage Treatment Plant treated water is completely used for Horticulture purpose.



- The sludge from Sewage Treatment Plant used as manure for plantation purpose.
- The valuable raw materials/finished products are recovered from the Pollution Control facility and reused in the process

**ZCL developed procedure for handling of waste (i.e., both Hazardous and Non Hazardous).**

PROCEDURE FOR HANDLING OF WASTE (HAZARDOUS AND NON HAZARDOUS)			
<b>PURPOSE :</b> To establish a system for safe handling and transport of wastes.			
<b>SCOPE :</b> Applicable to all Operations.			
<b>DISTRIBUTION:</b>			
Plant Head All HOD's Section Head's			
<b>RESPONSIBILITIES:</b>			
Sectional In-charges / Executors are responsible for implementation of this procedure in their respective areas			
<b>PROCEDURE:</b>			
The following solid and liquid wastes are generated in the process of Cement manufacturing process.			
SL.NO	TYPE OF WASTE	METHOD OF DISPOSAL	RESPONSIBILITY
1	Over burden	This waste is dumped to backfill at matured excavated area in pit for reclamation and rehabilitation and to make the bund as per the approved mining scheme by Indian Bureau of Mines.	HOD-Mines
2	Tyres	<ul style="list-style-type: none"> <li>Collected at designated place in garage and transferred to scrap yard and stocked in premarked area till their disposal.</li> <li>Scrap Disposal form to be submit to store in charge by concerned dept.</li> </ul>	HOD -Mines /HEEM in charge
3	Structural Steel scrap, Used spares, Electrode Butts, conveyor belts, Hoses and Rubber Parts.	<ul style="list-style-type: none"> <li>Collected at designated place and transferred to scrap yard and stocked in premarked area till their disposal.</li> <li>Scrap Disposal form to be submit to store in charge by concerned dept.</li> </ul>	HOD-Mech /HOD -E&I /HOD -Store
4	Electrical Cable	<ul style="list-style-type: none"> <li>Copper and Aluminium cables are separated and Collected at designated place and transferred to Scrap yard and stocked in</li> </ul>	HOD-E&I



## Waste bins and awareness



## Awards

Excellent Energy Efficient Plant from CII



Environment award "Greenco Gold rating Award" From CII



## “AP Green Award” From AP GOVT



## Environment award “Platinum rating Award” From Apex



ZCL has developed the new innovative product Superlite AAC Blocks. Zuari has launched Superlite AAC Blocks. **This product was the first product in India to obtain the “Green Product Certification” from CII-IGBC.**

**Green product:** ZCL received certification (GreenPro) for PPC cement from Confederation of Indian Industry.



## CSR

### 1. Promotion of Education:

Support to local village schools by way of donating books and furniture on need basis Merit scholarships to Engg. and MBBS students. Providing Quality education to employees children and near by village children through DAV institution school in colony.

### 2. Health and Medical Support:



Includes organizing Super specialty Health camps at Health for employees and villagers and medical camps in 4 villages, General Health check up and distribution of medicines to the local villagers from Zuari Cement Health Center.

### **3. Rural Development & Village Infrastructure:**

Providing Drinking water through RO plants. Providing public toilets, drainage facilities, dust bins and village internal CC / Gravel roads and street lights.

### **4. Skill development and Self employment programs:**

Organizing skill development training for women from the villages in the areas of Tailoring and screen printing, Agarbatti manufacturing making them self empowered.

### **CSR: Skill Development programs:**

Since last couple of years skill development programs to the local village women as a part of women empowerment program, the women were given training in the arrears of tailoring, screen printing, agarbatti making. The produced made by these women where displayed on specially organised function in colony as well as corporate office, Bangalore.

## **HEALTH PROGRAMME**

### **1. Rural Health Camps**

Under our Health programme, our Health Centre is contributing to serve the society at large. All the nearby villages are regularly getting benefitted from our Health Centre. Apart from this we regularly organize Rural Health camps.

Our Company doctor and nurses are available round the clock at the Health Centre for medical check-up, consultation. Free medicines are provided to villagers. These Health Centre are directly beneficial for the villagers particularly expecting mothers, children, rural girls and old age person.

Through our hospital all the medicines are providing free of cost to nearby community members.

### **2. Mega Multi-speciality Health camps**

Mega Health check-up & consultation camp are regularly being organized for the nearby villages. In the Mega Health camp various multi-speciality doctors from Well known Hospitals from Hyderabad have provided their services to the villagers in the areas of Ophthalmology-Eye Camps, Orthopeadic and Heart Speciality



The free health check-up, consultation & free medicines services are provided through this camp.

### **3.Health Awareness to School Children:**

Our Company doctor is also regularly giving Health Awareness training programmes for the school children ranging from seasonal health issues and various age related health issues.

### **LIVELIHOOD PROGRAMME**

#### **Skill Development Training to rural women & girls**

Under Skill India Campaign, a model training centre is developed near our unit. Our aim is to provide an opportunity to rural women & girls to enhance their skill through various skill development trainings.

We are continuously providing quality environment to rural women & girls for getting knowledge upgradation & develop own skills.

Through skill development training programmes, now rural women & girls are able to generate income through small sewing & stitching works at village level. The quality computer training facility is also being provided through this centre.

Through various skill training agencies the quality training programmes were organized through the whole year.

S. No	CSR Project/ Activity Identified	Focus Area (Education/health & Medical Support/ Skill development/ Rural Development)	No.of Beneficiaries benefitted	Amount -Lacks
1	Promotion of Education	Education	968	51.1
2	Health & Medical Support	Health & Medical Support	37150	31.4
3	Rural Development & Infrastructures	Rural Development	3000	9.39
4	Livelihood Enhancement & Social Engagement Programs.	Skill Development	81	7.95
TOTAL			27666	7644