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SHREE CEMENT LTD.

An ISO 9001, 14001, 45001 & 50001 Certified Company

Regd. Office

BANGUR NAGAR, POST BOX NO.-33, BEAWAR 305901, RAJASTHAN, INDIA

SCL/RAS/RTS/Env Statement/2022-2023/ 5361

Date: 10.09.2022

To,
The Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area, Jhalana Doongri Road,
JAIPUR-302004 (Rajasthan)

Sub:- Environmental Statement for the period from 1st April 2020 to 31st March 2021 for Ras Township, situated near Village: Ras, Bhimgarh, Tehsil- Jaitaran, District- Pali (Rajasthan).

Ref: - 1. CTO No. - F(CPM)/Pali(Jaitaran)/2685(1)/2021-2022/128-130 dated 04.04.2022

Respected Sir,

With reference to above subject and referred CTO, we are submitting herewith the Environmental Statement Report under rule 14 of the Environment (Protection) Rules 1986 for **Ras Township**, situated at Khasra No. 2549/1, **Village- Bhimgarh near village Bagatpura, Tehsil- Jaitaran, District- Pali (Rajasthan)** for the period from **1st April 2021 to 31st March 2022**.

This is for your kind information and record please.

Thanking you,
Yours faithfully,

For Shree Cement Ltd;

(Satish Chander)
Vice President & Unit Head

Copy to:-

1. Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Jaipur , A-209&218, Aranya Bhawan, Mahatma Gandhi Road, Jhalana Institutional Area, Jaipur – 304002, Rajasthan
2. The Regional Officer (Regional Office), Rajasthan State Pollution Control Board, SA-6, Mandia Road, Industrial Area, Near Pali Urban Co-Operative Bank, Pali- 306401 (Raj.)

JAIPUR OFFICE : SB-187, Babu Nagar, Opp. Rajasthan University, JLN Marg, Jaipur 302015

Phone : 0141 4241200, 4241204

NEW DELHI OFFICE : 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110002

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ENVIRONMENTAL STATEMENT

FORM - V

Ras Township (A residential township of Shree Cement Ltd.)

Period from: 1st April 2021 to 31st March 2022

PART - A

1.	Name and address of the Owner / Occupier of the Industry operation or process	Ras Township (A residential township of Shree Cement Ltd.) Village: Ras/Bhimgarh, Tehsil: Jaitaran, Dist:Pali - 306107 (Rajasthan)
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	Production Capacity	Built up area = 136766 Sq Mt. Plot area = 40 Hectare
4.	Year of Establishment	2017
5.	Date of the last Environmental Statement submitted	10.09.2021

PART - B

WATER AND RAW MATERIAL CONSUMPTION

(I) WATER CONSUMPTION:

Name of Product	Process Water Consumption per Unit of Product Output	
	During Current Financial Year (2020-2021)	During Current Financial Year (2021-2022)
Domestic	333 KL/Day	317 KL/Day

(II) RAW MATERIAL CONSUMPTION:

Name of Raw Material	Name of Product	Consumption of Raw Material Per Unit of Output (Power)	
		During Previous Financial Year (2020-2021)	During Current Financial Year (2021-2022)
NA			

(III) RAW MATERIAL CONSUMPTION:

D.G. Set is not operated on continuous basis. D.G. Set is operated only during the breakdown/shutdown of Power Plant. The total fuel consumption during the year 2020 - 2021 and 2021 - 2022 was nil.

Name of Raw Material	Name of Product	Consumption of Raw Material per unit of Output (LTR / KWH)	
		During Previous Financial Year (2020-2021)	During Current Financial Year (2021-2022)
NA			

(IV) POWER CONSUMPTION (KWH/KWH OF POWER): (KWH/ Household):

POWER CONSUMPTION	During Previous Financial Year (2020-2021)	During Current Financial Year (2021-2022)
Annual Power consumption per House hold (in KWH)	8643.91	5560.90

PART – C
DISCHARGED TO ENVIRONMENTAL / UNIT OF OUTPUT

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharge (Mass/Value)	Percentage of variation from prescribed standard with reasons
(a) Air		Please refer Annexure – 1 & 2	

PART – D
HAZARDOUS WASTE

As specified under Hazardous Wastes (Management, Handling & Trans boundary Movement Rule, 2016)

Hazardous Waste	Total Quantity	
	During Previous Financial Year (2020-2021)	During Current Financial Year (2021-2022)
	NA	

PART – E
SOLID WASTE

	Particulars	Total Quantity (Metric ton)	
		During Previous Financial Year (2020-2021)	During Current Financial Year (2021-2022)
	Organic waste	2.92 MT	12.78 MT
	Dry solid waste	3.65 MT	146 MT

Organic waste is being decomposed in OWC (organic waste composer) situated in colony premises and prepared manure which is being used in plantation and greenbelt development.

Dry solid waste is being disposed in cement kilns.

PART – F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes:

Hazardous Wastes

No hazardous waste is being generated from Ras township.

	Particulars	Total Quantity	
		During Previous Financial Year (2020-2021)	During Current Financial Year (2021-2022)
NA			

Solid Wastes: -

Organic waste is being decomposed in OWC (organic waste composer) situated in colony premises and prepared manure which is being used in plantation and greenbelt development.

Dry solid waste is being disposed in cement kilns.

PART – G

IMPACT OF THE POLLUTION CONTROL MEASURES ON CONSERVATION OF NATURAL RESOURCES AND CONSEQUENTLY ON THE COST OF PRODUCTION

NA

PART – H**ADDITIONAL MEASURES / INVESTMENTS PROPOSAL FOR ENVIRONMENT PROTECTION INCLUDING ABATEMENT OF POLLUTION**

Green belt development and tree plantation is our ongoing process within our township premises. Every year we are doing new tree plantation to increase the density and bio-diversity of the area. Plantation has been carried out in an area of around 10.9 hectare with (Total land: 40 ha.) 9952 trees.

We have been incurred total Rs. 14.90 in environment management in following activities:

1. Plantation and greenbelt development and their maintenance.
2. Flooring, paved roads and continuous housekeeping by vacuum sweeping machines machine and maintenance of vacuum sweeping machines.
4. Effective waste managements in colony premises.
5. Operation and reoccurring of STP installed in plant and colony premises.
6. Celebration of important days for spreading awareness for protection of environment and conservation of natural resources.

PART – I**ANY OTHER PARTICULATES FOR IMPROVING THE QUALITY OF ENVIRONMENT.****WATER CONSERVATION MEASURES**

- Metered water usage.
- Drip irrigation system is used for the lawns and other green areas. Drip irrigation can save between 15-40% of the water use, compared with other watering techniques.
- Well-designed water network to collect rainwater - Rainwater harvesting for optimum utilization of rainwater to recharge ground water level to be adopted.

GREEN-BELT DEVELOPMENT

- Horticulture development work is gradually increasing in township premises, Native species are planted namely Neem, Siris, Gulmohar, dhak. are planted as per green belt development plan.
- Treated Sewage Effluent is being utilized in Green Belt Development by Horticulture Department in coordination with environment department is taking care of tree plantation and green belt development.

We are enclosing herewith following documents

- Annexure-1: Ambient Air Quality (PM10, PM2.5, SO2 and NO2) & Ambient Noise Level monitoring report
- Annexure-2: STP treated water analysis report

<p align="center">RAS Township (A residential Township of Shree Cement Ltd, Ras)</p>				
<p align="center">Ambient Air Quality Monitoring Report For The Period Of April 2021 To March 2022</p>				
<p align="center">Year:- 2021-2022</p>				
<p>Location →</p>	<p align="center">Plant Boundary near STP</p>			
	<p align="center">AAQ in µg/m³</p>			
<p>Parameter →</p>	<p>PM 2.5</p>	<p>PM 10</p>	<p>SO₂</p>	<p>NO₂</p>
Apr-2021	27.8	35.6	8.8	9.2
May-2021	24.9	34.3	8.9	9.5
Jun-2021	31.5	38.5	8.9	10.1
Jul-2021	23.5	33.9	7.5	8.9
Aug-2021	24.1	34.5	7.9	9.6
Sep-2021	19.9	26	6.8	8
Oct-2021	23.8	31.8	7.7	9.1
Nov-2021	22.8	30.3	7.6	9.2
Dec-2021	21.3	28.3	7	8.6
Jan-2022	20.6	29.4	8.1	11.4
Feb-2022	24.1	34	8.8	11.5
Mar-2022	26.4	38.8	8.5	11.2

Annexure: 2

(STP Treated Water Quality, Year 2021-2022)													
S. No.	Parameter ↓	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1.	Total suspended solid	57.0	68	46	38	36	66	38	56	47	39	50	42
2.	pH value	6.3	6.5	6.6	7.3	7	7.4	6.8	7.3	6.7	7.1	7.5	7.6
3.	Oil & grease	1.9	3.6	3.5	0.4	2.7	2.3	1.2	3.9	3.8	2	2.6	2.8
4.	Total Residual Chlorine	0.3	0.6	0.4	0.2	0.1	3.1	0.4	0.1	0.2	0.1	0.3	0.2
5.	Ammonical Nitrogen (as N)	6.7	7.1	8.7	7.2	8.3	21	26	5.2	9.2	5	6	9
6.	Biochemical Oxygen Demand (3 days at 27°C)	8.0	14	19	19	14	17	20.5	18.7	12	25	20	13
7.	Chemical Oxygen Demand	61.0	70	82	81	59	49	80	76.4	118	117	142	131
8.	Nitrate (as NO ₃)	2.2	1.6	1.9	2.9	1.3	2.5	3.2	2.7	2.4	3.1	1	2