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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/BWR/ENV/9 /2020-21/

6/10/21

Date: 22/09/2020

To,

File No. P-130

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

Sub:- Environmental Statement Report of D.G. sets of M/s Shree Cement Ltd, Village – Andheri Deori, Tehsil Masuda, District Ajmer (Raj) for the period of April 2019 - March 2020.

Ref: - CTO No. - F (Tech)/ Ajmer (Masuda)/7(1)/2010-2011/6659-6661 dated 14/09/2016.

Dear Sir,


Kindly refer to above subject matter and referred letter. In this regard, we are submitting herewith the Environmental Statement Report of D.G. sets of M/s Shree Cement Ltd, Village – Andheri Deori, Tehsil Masuda, District Ajmer (Raj) for the period of April 2019 - March 2020.

This is for your kind information please.

Thanking you,

Yours faithfully,

For Shree Cement Ltd;

for,   
(Dr. Anil Kumar Trivedi)  
Sr. G.M. Environment

Copy to:-

1. The in charge (Regional office),  
Rajasthan State Pollution Control Board,  
SPL II, 5th phase, RIICO Industrial Area, Kishangarh, Ajmer (Raj).

JAIPUR OFFICE : SB-187, Bapu 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**

**D.G. Sets of M/s Shree Cement Limited**  
**Beawar (Rajasthan)**

**Period from: April, 2019 to March, 2020**

**PART – A**

1.	Name and address of the Owner / Occupier of the Industry operation or process	M/S Shree Cement Ltd. Bangur Nagar, P.O. Box No. 33, Beawar- 305901 Distt. Ajmer (Rajasthan)
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	Production Capacity	Permission (500 X 2 = 1000KVA)
4.	Year of Establishment	2011 & 2012
5.	Date of the last Environmental Statement submitted	18/09/2019

**PART – B**

**WATER AND RAW MATERIAL CONSUMPTION**

**1. WATER CONSUMPTION:**

Process : N.A.

Cooling and dust : NIL

Domestic : 265923 KL (Common for Cement Plants & Power Plants)

Name of Product	Process Water Consumption per Unit of Clinker Output	
	During Previous Financial Year (2018-19)	During Current Financial Year (2019-20)
Power	Nil	Nil



**2. RAW MATERIAL CONSUMPTION (D.G. SETS):**

D.G. Sets are not operated on continuous basis D.G. sets are operated only during the breakdown/ shutdown of Shree Power Plant. The total fuel consumption during the year 2018-19 was zero liters and during year 2019-20 was zero liter.

Name of Raw Material	Name of Product	Consumption of Raw Material Per Unit of Output (Cement)	
		During Previous Financial Year (2018-19)	During Current Financial Year (2019-2020)
Fuel/ Diesel	Power	Nil	Nil

**3. POWER CONSUMPTION (KWH/T OF POWER):**

During Previous Financial Year (2018-19)	During Current Financial Year (2019-2020)
NIL	NIL

**4. TOTAL D.G. POWER PRODUCTION (KWH):**

Product	During Previous Financial Year (2018-19)	During Current Financial Year (2019-2020)
Power	NIL	NIL

**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)	Water	There is no water utilization in the DG sets and no waste water generation from the DG Sets, all DG sets are Air cooled. Domestic waste water generated from residential colony and office toilets is treated in STP and treated water and sludge generated is used in horticulture activities. Total quantity of treated domestic waste water during FY 2019-20 was 88,670 KL. Residential colony and guest house is common for Shree Cement Limited Unit 1 & 2, Mines and Power Plants. Analysis report of STP treated water is attached as annexure.	
(b)	Air	N.A.	



## PART – D

### HAZARDOUS WASTE

(As specified under Hazardous & Other Wastes (Management & Trans boundary Movement Rule, 2016) & Amendment rule, 2019.

Hazardous Waste	Total Quantity (Ltrs.)	
	During Previous Financial Year (2018-2019)	During Current Financial Year (2019-2020)
a) From Process (Cement manufacturing is based on "Dry Process" No Hazardous waste is generated from the process except used oil which is drained from Machinery / Equipments)	<p>We have Common authorization for Hazardous Waste Management &amp; Handling for Cement Plant (Unit 1 &amp; 2), D.G. Sets, Power Plants, Synthetic Gypsum Plant and Mines.</p> <p>Total Quantity generated from April-2018 to March-2019 = 800 Ltrs.</p> <p>Old Stock = 0 Ltrs.</p> <p>Total Used oil = 800 Ltrs.</p> <p>Sold-out to registered recycler = 0 Ltrs.</p> <p>Quantity Co- processed = 800 Ltrs.</p> <p>Balance Quantity= 0 Ltrs</p>	<p>We have Common authorization for Hazardous Waste Management &amp; Handling for Cement Plant (Unit 1 &amp; 2), D.G. Sets, Power Plants, Synthetic Gypsum Plant and Mines.</p> <p>Total Quantity generated from April-2019 to March-2020 = 1200 Ltrs.</p> <p>Old Stock = 0 Ltrs.</p> <p>Total Used oil = 1200 Ltrs.</p> <p>Sold-out to registered recycler = 0 Ltrs.</p> <p>Quantity Co- processed = 1200 Ltrs.</p> <p>Balance Quantity= 0 Ltrs</p>
(b) From Pollution Control Facilities	N.A.	N.A.

## PART – E

### SOLID WASTE

		Total Quantity	
		During Previous Financial Year (2018 2019)	During Current Financial Year (2019-2020)
(a)	From Process	N.A.	
(b)	From Pollution Control Facility		
(c)	1. Quantity rejected or re-utilized within the unit		
	2. Sold		
	3. Disposed		



## 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:**

### **Battery Wastes:**

As specified under Batteries (Management and Handling) Amendment Rules, 2010, we have purchased following new batteries of different categories is common for Cement Plant (Unit 1 & 2), D.G. Sets, Power Plants, Synthetic Gypsum Plant and Mines.

1.	Number of new batteries of different categories purchased from the manufacturer / importer / dealer or any other agency		During 1 <sup>st</sup> Apr 2019 to 31 <sup>st</sup> Mar 2020	
	Common for Cement Plant (Unit 1 & 2), D.G. Sets, Power Plants, Synthetic Gypsum Plant and Mines			
	Category:	(i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)	
	(i) Automotive			
	a) Four wheeler	84	0.915	
	b) Two wheeler	10	0.296	
	(ii) Industrial			
	a) UPS	120	1.0	
	b) Motive Power	Nil	Nil	
	c) Stand –by	Nil	Nil	
	(iii) Others	Nil	Nil	
Total		214 Nos	2.211 MT	
2.	Number of used batteries of categories mentioned in Sl. No 3 and Tonnage of scrap sent manufacturer/dealer/importer/registered recycler/or any other agency to whom the used batteries scrap was sent		During 1 <sup>st</sup> Apr. 2019 to 31 <sup>st</sup> Mar. 2020	
	Common for Cement Plant (Unit 1 & 2), D.G. Sets, Power Plants, Synthetic Gypsum Plant and Mines			
	Category:	(i) No. of Batteries	(ii) Approximate Weight (In Metric Tonnes)	
	(i) Automotive			
	a) Four wheeler	105	5.82	



b) Two wheeler	30	0.345
(ii) Industrial	Nil	Nil
a) UPS	212	2.575
b) Motive Power	Nil	Nil
c) Stand –by	Nil	Nil
(iii) Others	Nil	Nil
Total	<b>347Nos.</b>	<b>8.74 MT</b>

Used battery scrap was sent to CPCB authorized recycler

### **Hazardous Wastes**

No Hazardous waste is generated from the process except used oil which is sold to the CPCB authorized recycler and co-processed in cement kiln.

### **Bio-Medical Wastes:**

Bio-medical waste generated is common for Cement Plant (Unit 1 & 2), D.G. Sets, Power Plants, Synthetic Gypsum Plant and Mines during previous and current financial year under the Bio-Medical Waste (Management & Handling) Rules 2016 and amended in 2018, are as follows:

<b>Bio-Medical Waste Quantity (Kg) as per Color Coding</b>							
<b>During Previous Financial Year (April 2018 to March 2019)</b>				<b>During Current Financial Year (April 2019 to March 2020)</b>			
<b>Yellow</b>	<b>Red</b>	<b>Blue</b>	<b>White</b>	<b>Yellow</b>	<b>Red</b>	<b>Blue</b>	<b>White</b>
<b>275</b>	<b>231</b>	<b>259</b>	<b>0.0</b>	<b>282</b>	<b>219</b>	<b>247</b>	<b>0.0</b>

Above mentioned waste has been sent to Sales Promoter, CBWTF Bio Medical Treatment Facility, Jaipur Bye Pass Road, Ajmer (Raj.) for disposal.

### **E- Wastes:**

	<b>Total Quantity (tons)</b>	
	<b>During Previous Financial Year (2018-2019)</b>	<b>During Current Financial Year (2019-2020)</b>
From Process	Nil	Nil
From Pollution Control Facility	Nil	Nil
Others	0.0	0.0



## PART – G

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

N.A.

## 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 plant area and also outside the plant boundary. Every year we are doing new tree plantation to increase the density and bio-diversity of the area. In the FY19-20, 924 new trees have been planted. Up- to March 2020 total green area is around 82.83 hectare with around 228280 nos. of trees which is ~35 % of the total land of plant and colony area (231.94 Ha.).

## PART – I

### **ANY OTHER PARTICULATES FOR IMPROVING THE QUALITY OF ENVIRONMENT.**

1. We have full-fledged Environment Department with three separate cells, for monitoring, maintenance of pollution control equipment and Green Belt development.
2. Monitoring of stack emission and ambient air and water quality is being done regularly. The on-line continuous data is being transferred to CPCB and RPCB sites.
3. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.
4. Civil dept. taking care of Housekeeping and water supply department is taking care of operation of STP.
5. To further reduce fugitive emissions, we have a big size truck mounted and 04 nos of small 3D TPS sweeping machines for regular sweeping and cleaning of paved area.
6. All the material transfer belts are covered and transfer points are equipped with pollution control equipment.



7. Truck parking area and vehicle movement areas are paved and concreted to avoid any fugitive emissions.
8. Horticulture Department in coordination with environment department is taking care of tree plantation and green belt development. Every year during monsoon season, we are doing new tree plantation.
9. Installation of De- NOx system has helped to further reduce the NOx emissions.
10. We are committed and maintaining Zero Liquid Discharge (ZLD) from our premises.
11. Domestic waste water generated from Colony, guesthouse, office toilets and canteen is being treated at Sewage Treatment Plant (STP) and treated water is being utilized in plantation & gardening.
12. We create environment awareness for all our stakeholders through meetings, training programs, world environment day celebrations etc.
13. Acoustic enclosures has been provided for abatement of sound pollution.

Enclosing herewith following document:-

Annexure- I : Details of D.G. Sets

S.No	Make	Capacity(KVA)	Year of installation	Fuel Consumption (L/H)	No of stacks	Stack Height (in meter)	Height above D.G. Room (in meter)
1.	SudhirGenset (Cummins Engine)	500	2011	0.0	1	6.5	4.5
2.	Sudhir Genset (Cummins Engine)	500	2012	0.0	1	6.5	4.5

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1. The first step in the process of the investigation is to identify the problem and to determine the scope of the investigation.

2. The second step is to collect data. This can be done in a number of ways, including interviews, questionnaires, and observation.

3. The third step is to analyze the data. This involves identifying patterns and trends in the data and determining the causes of the problem.

4. The fourth step is to develop a plan of action. This involves identifying the steps that need to be taken to solve the problem and determining the resources that will be needed.

5. The fifth step is to implement the plan of action. This involves putting the plan into effect and monitoring the progress of the investigation.

6. The sixth step is to evaluate the results of the investigation. This involves comparing the results of the investigation to the original problem and determining whether the problem has been solved.

7. The seventh step is to report the results of the investigation. This involves writing a report that describes the findings of the investigation and the recommendations for action.

8. The eighth step is to follow up on the recommendations for action.

9. The ninth step is to review the investigation process.

10. The tenth step is to conclude the investigation.

11. The eleventh step is to prepare a final report.

12. The twelfth step is to present the final report to the client.

13. The thirteenth step is to follow up on the client's feedback.

14. The fourteenth step is to close the investigation.