Goldstone Cements Limited
CIN:U26940ML2007PLC008298

Dated: 25.09.2025

Ref: GSCL/EHS/2025-26/164

To
The Member Secretary,
Meghalaya State Pollution Control Board,
Arden, Lumpyngngad,
Shillong-793014.

Sub: Submission for Environmental Statement (Form-V) for the Financial Year ending the 31st March 2025.

Dear Madam / Sir,

With reference to the subject as cited above, we are submitting here with the Environmental Statement (Form-V) in accordance with Rule 14 of the EP Act, 1986 for **M/s Goldstone Cements Limited** ,located at Vil-Musiang Lamare (Old),Khliehriat,East Jainta Hills, Meghalaya for the period from **01.04.2024 to 31.03.2025**.

Submitted for your kind information and record please.

Thanking You,

Yours faithfully
For **Goldstone Cements Ltd.**

GOLDSTONE CEMENTS LIMITED Moosiang Lamare (Old)

SVP Gupta
Executive President

MEGHALAYA STATE POLLUTION CONTROL BOARD SHILLONG 26/09/25

Encl: Environmental Statement report (Form-V).

(FORM –V)

(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2025

PART –A

i.	Name and address of the owner/ Occupier of the industry operation Or process	:	**M/s. Goldstone Cements Limited.** Vill- Musiang Lamare (old), Khliehriat, Dist- East Jaintia Hills, Meghalaya-793200
ii.	Industry Category Primary (STC Code) Secondary (SIC Code)	:	Red Category
iii.	Production Capacity	:	0.88 Million Ton Cement per annum 0.792 Million-Ton Clinker per annum 10 MW Captive Power Plant
iv.	Year of establishment	:	F.Y. 2016-17 (Commercial Production Date: 02.07.2016)
v.	Date of the Last Environmental Statement Submitted	:	27.09.2024

PART-B

Water and Raw Material Consumption

i. Water Consumption m^3/day:

Process **:** 222.80 m3 /day

Cooling : 102.25 m3/day

Domestic: 225 m3/day

Name of Products	Process Water consumption per Unit of Product Output	
	During the Previous Financial Year (2023-24)	During the Current Financial Year (2024-25)
	(1)	(2)
(1) Clinker	Dry Process Plant (No process water consumption)	
(2) Cement		
(3) Power	0.809 m^3/MW	0.987 m^3/MW

ii. Raw Material Consumption

*Name of Raw Materials	Name of Products	Consumption of Raw Material Per Unit Of Output	
		During the Previous Financial Year (MT) 2023-24	During the Current Financial Year (MT) 2024-25
1. Lime/ Dolomitic Stone	Clinker	1.32	1.37
2. Additives		0.20	0.17
3. Fly ash	Cement	0.26	0.34
4. Gypsum		0.015	0.024

*Industry may use codes if disclosing detail of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART- C

Pollution Discharged to Environment/Unit of Output
(Parameter as specified in the consent issued)

1) Pollutants	Quantity of Pollutants Discharged (Mass/day)	Concentrations of Pollutants in Discharges (Mass/Volume)	Percentage of Variation from prescribed standards with reasons
a) Water	Not applicable (zero liquid discharge plant)		
b) Air	Please refer **Annexure- I**		No deviation from prescribed standards

PART –D

Hazardous Wastes

(As specified under Hazardous Waste Management & Handling Rules, 1989)

Hazardous Wastes	**Total Quantity**	
	During the Previous Financial Year (2023-24)	**During the Current Financial Year (2024-25)**
a) Form Process:		
1. Used oil	2.0 KL	2.4 KL
2. Chemical Container	18 Nos.	25 Nos.
3. Turbine Oil	0.120 KL	0.1 KL
4. Gear Oil	0.072 KL	0.037 KL
b) From Pollution Control Facilities:	Nil	Nil
All the quantity of used oil, Turbine oil & Gear Oil come out as reject from different gear application and bearings, were utilized in-house and partial quantity sold to authorized recycler.		

PART- E

Solid Wastes

		Total Quantity	
		During the Previous Financial Year (2023-24)	**During the Current Financial Year (2024-25)**
a)	From Process	NIL	NIL
b)	From Pollution Control Facility	Dust Collected in ESPs, Bag Houses and Bag Filters are recycled back into the System.	
c)	(1) Quantity recycled or re-utilized within the unit	All fly ash & bed ash came out were re-utilized in Cement plant. .	
	(2) Sold Scrap Battery Scrap Plastic Iron Scrap	23.29 MT` 44.29 MT 126.51 MT	Nil 17.50 MT 293.92 MT
	(3) Disposed (Saw Dusts co-processed)	Nil	Nil

PART –F

Please Specify the characterizations (in terms of composition of quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1. Hazardous waste generated in the form of used oil, gear oil, turbine oil which is stored in barrels at safe & dedicated area, utilized in-house in system and remaining quantity being sold to authorized recycler. Chemical containers are stored at safe & dedicated area.

2. Fly ash collected in pollution control equipment (ESP) of CPP is utilized for PPC grade cement manufacturing in own as well as in near vicinity cement plants. Bed Ash generated from process in also utilized for cement manufacturing and coal dust collected from bag filters is recycled into the system.

PART –G

Impact of the pollution control measure on Conservation of natural resources and on the cost of production.

- Goldstone Cements Limited is making continuous efforts to conserve natural resources with environmentally Sound and green technology.
- Adopted dry process technology, where there is no major water consumption in process. There is no effluent discharge from the plant. The advantage of dry process is also in fuel economy.
- The stack emissions from the plant are controlled by equipment like ESPs, and Bag Houses. Designed to control the ambient air quality level within permissible limits.
- The Pollution abatement practices adopted by us save precious raw material / product and greatly help in conserving valuable natural resources, ultimately reducing the manufacturing cost.
- Total 6 nos. of opacity monitor already installed in Raw Mill ,New Raw Mill Bag house, Kiln Stack, Coal Mill Stack, Cooler ESP stack, Cement Mill Stack & CPP stack and real time stack monitoring data are being transmitted to CPCB server.
- Bag filters are installed in each transfer points to reduce the fugitive emissions. The material collected in the hoppers of pollution control equipment, recycled back into process, neutralize the cost of operation of pollution control equipment. Hence, no cost impact on the production cost.

PART- H

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

- As per EC condition, we have developed 33.6% area in and around the cement plant under green belt and we will continue this process of plantation at regular intervals. (Photograph 1 attached as Annexure II)
- Water tanker is used for spraying in the plant area as well as the nearby villages regularly for dust suppression. RCC roads are made to control the fugitive dusts. Water sprinklers are installed in roadsides.
- Suitable interlocks have been provided for Gear box & Girth Gear Cooling fans to avoid idle running of these fans.

PART- I

Any other particulars for improving the quality of the environment.

1. Continuous monitoring of stack emission, ambient air, and noise and water quality is done. Necessary action plan is prepared and implemented accordingly.
2. Scheduled maintenance of all the pollution control devices is done on regular basis.
3. Water sprinkling on the unpaved surface for dust suppression. Installation of Water sprinklers in road side. RCC roads are made to control the fugitive emissions.
4. "World Environment Week" is celebrated commencing from 30th May to 5th June with objective of increase awareness on specific environmental issues relevant to the industry utilities and operations.
5. Development of greenbelt in & around the plant & colony. The tree species planted are Neem, Khokon, Champa, Agarwood, Mahagony, Bokul, Mango, Litchi, Black Jamun, Almond, Cycus, Green Hedge, Coloured Hedge, Fycus, Royal Plam, Areca Plam, Thuja, Red Bottle Brush, Ashoka, Gulmohor, Golden Bottle Brush, Chinese Plam, Night Jasmine, Ceylon, Tahiti, Aclypha, Hibiscus, yucca Aloifolia, Phonix, Furcraea, Budhist Bamboo, Bougenvelia, Draceena, Calendula, Crysenthemum, Phlox, Merigold, , Primola, Rananculus, Statics, Cosmos, Dianthus, Dhalia, Gazania, Poppy, Petunia, Lily, Anthurium, Bolsom, Verbena, Salvia, Vinka, Exora, Celosia, Ejar, Sirish, Tiachap, Kanchan, Sonaru, Bokul, Hibiscus Mutabilis, Tagar, Kamini, Arjun, Dalchini, Gamari, Hollock, M Sim, Sisoo, Mehgoni, Khair, Guava, Amlakhi, Bel, Bhomora, Bogi Poma, Casheru, Segun, Silika, Soom, Agar, Tezpat, Bogari, Rawb Tenga, Kardoi, Mulberry etc. Rate of survival 90%.
6. Proper lubrication, housekeeping and installation of silencers are carried out in Fan inlet ducts to reduce excessive noise generation.
7. Using LED Lamps at residential colony, administrative building, all haul road CCR building & plant area for energy conservation.
8. Minimizing the dust concentration by providing covered sheds for raw material storage, covered belt conveyors and water spraying system for raw materials.
9. Medical camp was organized at the plant premises and 351 persons benefited from this program (Photograph 2 as attached as Annexure II).

Annexure- I

Environmental Monitoring Average Data, Year 2024-25

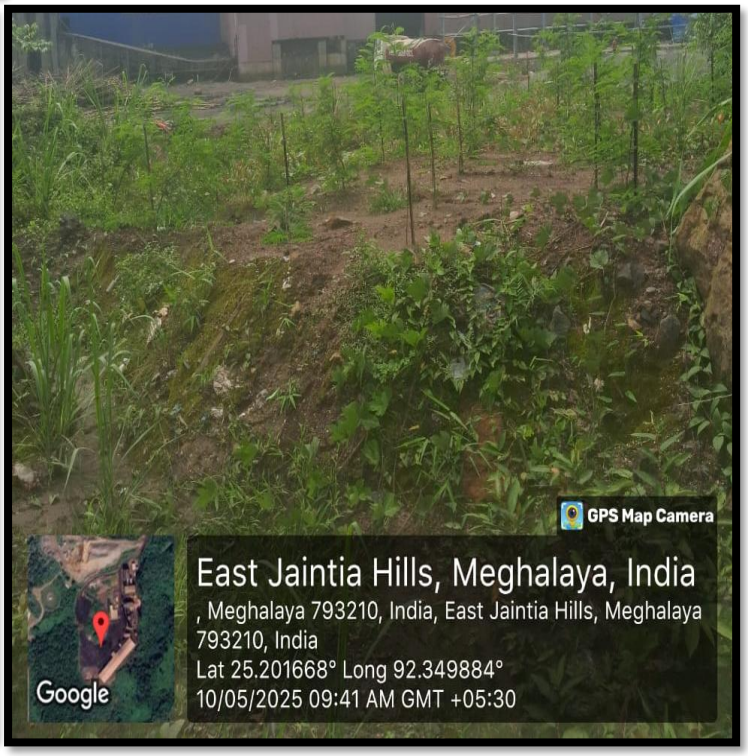
Stack Emission Monitoring:

Parameters	Unit	Kiln/Raw MillBag house	Kiln cooler ESP	Coal Mill Bag Filter	Cement Mill Bag Filter	CPP ESP	Raw Mill NewBag house
Particulate Matter	mg/Nm^3	23.4	25.7	24.3	24	44.3	
SO_2	mg/Nm^3	567	-	-	-	486.6	
NOx	mg/Nm^3	322	-	-	-	227.6	
Hg	mg/Nm^3	BDL (MLD:0.001)	-	-	-		
HCL	mg/Nm^3	7.8	-		-	-	-
HF	mg/Nm^3	BDL [MLD: 1.0]	-		-	-	-
TOC	mg/Nm^3	3.96	-		-	-	-
Hg and its compounds	mg/Nm^3	BDL [MDL: 0.001]	-		-	-	-
Cd+TI and their compounds	mg/Nm^3	BDL [MDL: 0.001]	-		-	-	-
Sb+AS+Pb+CO+Cr+Cu+Mn+Ni+V and their compounds	mg/Nm^3	0.017	-		-	-	-
Dioxins and Furans	$ngTEQ/Nm^3$	BDL [MDL: 0.001]	-		-	-	-

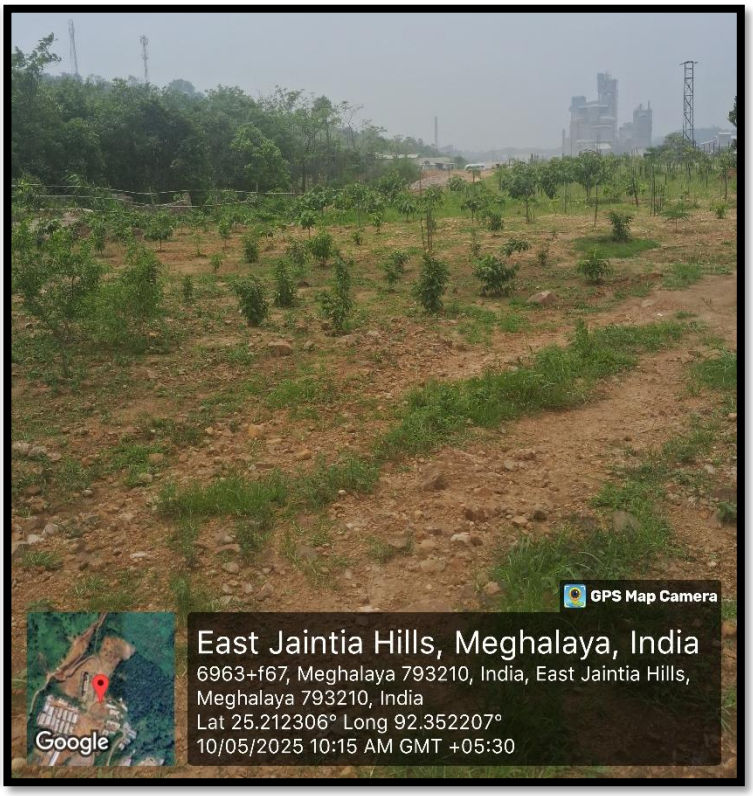
Ambient Air Quality Monitoring:

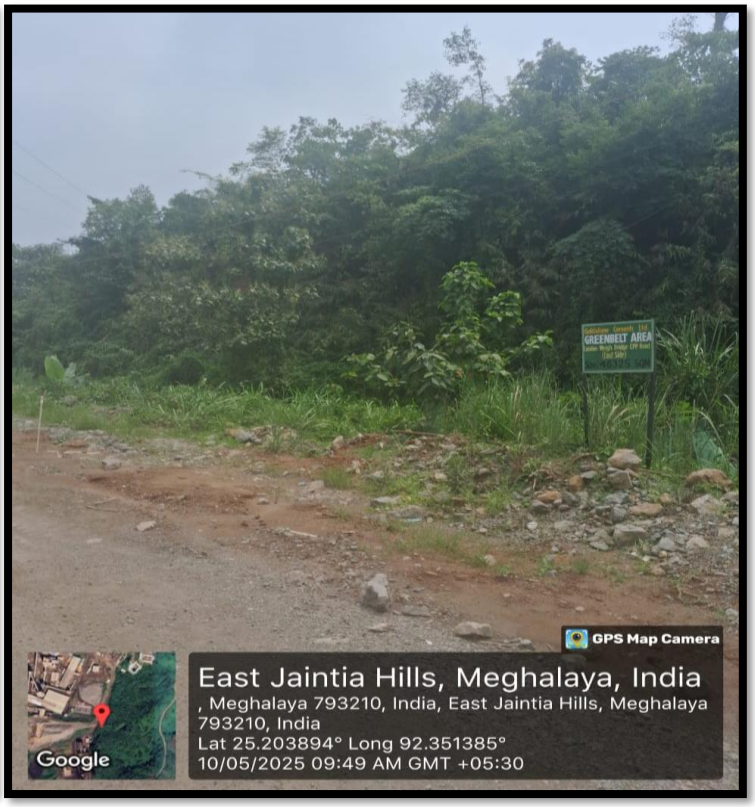
Name of the station	Parameters in µg/m3			
	PM10	PM2.5	SO_2	NO_2
Near CPP (Water reservoir)	93.5	39.6	7.4	8.1
Near CCR (Material Yard)	65.4	38.9	6.3	6.9
Near Guest House (Yamuna Sadan)	56.8	31.7	<5	<6
Residential Colony	54.1	31.08	<5	<6

Annexure –II, CPP & Plant Premises



Annexure –II, Plant Premises





Annexure- III

FREE EYE SCREENING CAMP

AT GSCL PLANT CAMPUS

On 11th & 12th December -2024

BLACK TIGER CEMENT

FREE EYE SCREENING CAMP

Organized by

Goldstone Cements Ltd.

Musiang Lamare Old, Meghalaya

Supported by: Bansara Eye Care Centre, Shillong.

Date: 11th & 12th December 2024

Venue: Sr. Guest House Conference Hall

A Free Eye Screening Camp has been conducted on 11th & 12th of December 2024, with the help of "BANSARA EYE CARE CENTRE" at our GSCL plant Campus.

As CSR activity the camp was open for all workers, staffs, families & local villagers, which message has been share prior to all.

The concept of this camp was to aware the people about the eye care & safety. Tracing to guide any serious developing in any one's eyes.

The eye camp was inaugurated by Mr. SVP Gupta (Executive President), with Mr. Prashant Sukla (GM Logistic), Mr. Ravi Jindal & other HOD's at 10:30 AM on 11-12-24.

In two days' camp one hundred ten (110) beneficiaries was attend this camp including local villagers' workers & staffs.

Welcome the Medical Team

Before starting the screening session, an awareness program was conducted with the PPT's presentation by a Consultant Optometrist Miss. SONA DEB, BECC. Then the camp has been continued till 5PM of 1st day


Eye Screening Session


Vision test with Refraction

Slit lamp examination & BP


The was start at 11:30 AM on 11.12.24 and end at 4PM on 12.12.2024

MOEF Officer Visiting the Eye Camp

At the end of this camp appreciating the team with a momentum by Mr. Prashant Sukla, GM Logistic

Thanking You all for your Support and Cooperation, with Regards Dr. Rajat Paul, Sr. Medical Officer, GSCL

Annual Health Check-up of Employees from 18th to 20th of March 2025


18/03/2025 10:57