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BLACK TIGER CEMENT
HILA NA PAOGE

Ref No: GSCL/MSPCB/GHY/17-18/15
Dated: 04/11/2017

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

Sub: Submission for Environmental Statement (Form V)

Sir,

With ref to the subject as cited above, we would like to submit Environmental Statement (Form V) for the period 02.07.2016 to 31.03.2017. We have enclosed Monthly Monitoring Report for your reference.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully
For Goldstone Cements Ltd.

GOLDSTONE CEMENTS LTD. MEGHALAYA JAINTIA HILLS

Authorised Signatory
Encl: Monthly Monitoring Report.
CC: 1. Regional Director, Central Pollution Control Board, Regional Directorate-North East.
2. Ministry of Environment Forest & Regional office, Shillong.

Central Pollution Control Board
क्षेत्रीय निदेशालय उत्तर पूर्व शिलांग - 793014
Regional Directorate - North East, Shillong - 793014
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
Ministry of Environment, Forest & Climate Change, Govt. of India
RECEIPT NO
DATED 7.11.17

MEGHALAYA STATE POLLUTION CONTROL BOARD SHILLONG 7/11/17

MINISTRY OF ENVIRONMENT FOREST & REGIONAL OFFICE SHILLONG GOVT. OF INDIA 22/11


**Goldstone Cements Limited**
CIN No. : U26940ML2007PLC008298

Corporate Office
510, 5th Floor, Diamond Heritage,
16, Strand Road, Kolkata - 700001
P +91-33-66079604

Factory Office
Village Musiang Lamare(Old),
Khliehriat, East Jaintia Hills,
Meghalaya - 793200

Sales & Marketing Office
5A, 5th Floor, Shine Towers, 57 Sati Jaymati Road
Arya Chowk, Rehabari, Guwahati, Assam 781008
P +91-361-2607071/72

**ENVIRONMENTAL STATEMENT (FORM –V)**
**of**
**M/S GOLDSTONE CEMENTS LTD.**
**Vill – Musiang Lamare (old), Khliehriat, Dist – East Jaintia Hills, Meghalaya**
**(02nd July 2016 - 31st March 2017)**

**PART –A**

| | | |
|---|---|---|
| 1. | Name and address of the owner/ Occupier of the Industry operation Or process | Shri Pramod Kumar Srivastava<br>Plant Head<br>M/S Goldstone Cements Ltd.<br>Vill Musiang Lamare (old), Khliehriat<br>Dist- East Jaintia Hills, Meghalaya |
| 2. | Industry Category<br>Primary (S. T. C. Code)<br>Secondary (S. T.C. Code) | Red Category |
| 3. | Production Capacity | 0.88million ton Cement<br>0.56 million ton Cement Clinker |
| 4. | Year of establishment | 2010. Commercial Production on 02.07.2016 |
| 5. | Date of the Environmental Statement Report Submitted | - |

**PART-B**
**Water and Raw Material Consumption**

**I. Water Consumption**

| | |
|---|---|
| Process | **: 160 m3 /day** |
| Cooling, re circulation and dust suppression | : 60 m3/day |
| Domestic | : 30 m3/day |

| Name of Product | Water consumption per Unit of Product Output | |
|---|---|---|
| | During Previous Financial Year (15-16) | During Current Financial Year (16-17) |
| Cement | 0.00 | 0.15 m3/ton |

**II. Raw Material Consumption**

| Name of Raw Material | Name of Product | Consumption of Raw Material | |
|---|---|---|---|
| | | During Previous Financial Year (15-16) | During Current Financial Year (16-17) |
| 1. Lime stone | Cement & 10MW Power Plant | 0.00 | 2,06,606.14 |
| 2. Fly ash | | 0.00 | 139.000 |
| 3. Clay | | 0.00 | 0.000 |
| 4. Shale | | 0.00 | 26,633.430 |
| 5. Gypsum | | 0.00 | 20.600 |
| 6. Mill Scale | | 0.00 | 198.408 |
| 7. Coal | | 0.00 | 2,004.950 |

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| | | | |
|---|---|---|---|
| 8. Muslate | | 0.00 | 61,355.402 |

## PART- C

**Discharge to Environment/Unit of Out Put:**

| Pollutants | Quantity of Pollutants Discharged (Mass/day) | Concentration of Pollutants in Discharge (Mass/Volume) | Percentage of Variation from prescribed standard with reason |
|---|---|---|---|
| a) | Water | As plant is being operated on dry process technology, no liquid effluent is generated from the cement plant process. Domestic water generated from residential colony, office toilets and mess is disposed off in soak pit via septic tank. We have install Effluent Treatment Plant / Sewage Treatment Plant. | |
| b) | Air | Please refer Annexure- **I, II, III & IV** | |

## PART –D

**Hazardous Waste**

| **Hazardous** | **Total Quantity (Liters)** | |
|---|---|---|
| | **During Previous Financial Year (2015-16)** | **During Current Financial Year (2016-17)** |
| a) Used oil & Grease | 0.00 | 15,000 Lits/Year. |

## PART- E

**Solid Waste**

| | | **Total Quantity in MT** | |
|---|---|---|---|
| | | **During Previous Financial Year (15-16)** | **During Current Financial Year (16-17)** |
| 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 | 100% | 100% |
| | 2) Sold | NIL | NIL |
| | 3)Disposed (Fly ash generated from CPP & consumed into Cement Plant) | 0.00 MT | 3632.89 MT |

## PART –F

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

**Hazardous Waste:-**

Our Cement Manufacturing is based on Dry Process, no hazardous waste is generated from the process except used oil which is drained from Machineries / Equipment and sold to authorized vendor.

**Solid Waste:-**

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Fly ash generated from captive power plant is consumed in cement plant.

## PART –G

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

M/s Goldstone Cement Ltd is making continuous efforts to conserve natural resources with environmentally Sound and green technology.

Adopted dry process technology, where there is no water consumption also makes zero 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.

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

Planting trees is ongoing process. Around 7375 nos. of sapling of different native species was planted during the FY 2016-2017. The said program will continue for coming year also.

## PART- I

### Any other particulars in respect of environmental protection and abatement of pollution

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. More number of Plantation will be done in the coming future.

To substantiate above statement, latest emission monitoring report is enclosed herewith.

Annexure- I : Ambient air quality report
Annexure- II : Fugitive Emission report
Annexure- III : Stack Emission level report
Annexure- IV : Ambient Noise quality report.

M/S Goldstone Cements Ltd

GOLDSTONE CEMENTS LTD MEGHALAYA KHASI HILLS

Authorized Signatory