

o/c

Megha Technical & Engineers (Pvt.) Limited

Regd. Office and Works : Lumshnong, P.O. Khaliehriat, Dist. Jaintia Hills, Meghalaya
Phone : 03655-278215 / 216, Fax : 03655-278218

To,

Date: 21st August 2014

The Member Secretary

Meghalaya State Pollution Control Board
'Arden' Lumpyngngad
Shillong - 793014

Sub: Submission of Environmental Statement for the year ending 31st March 2014 of Megha Technical & Engineers Pvt. Ltd., Lumshnong, Meghalaya.

Dear Sir,

Please find enclosed herewith the Environmental Statement in the prescribed format for the year ending 31st March 2014 of Megha Technical & Engineers Pvt. Ltd.

This is for your kind information and record.

Thanking You,

Yours faithfully

For **Megha Technical & Engineers Pvt. Ltd.**


Authorised Signatory

Encl.: a/a



FORM - V
(See rule 14)

Environmental Statement for the financial year ending the 31st March 2013

PART - A

1.	Name and address of the Owner/Occupier of the Industry, operation or process	:	M/s. MEGHA TECHNICAL & ENGINEERS PVT. LTD. VILL: LUMSHNONG, PO: KHLIEHRIAT, DIST: JAINTIA HILLS MEGHALAYA - 793200
2.	Industry Category: Primary (STC Code); Secondary (SIC Code)	:	Clinker Grinding Unit
3.	Production Capacity	:	2040 TPD
4.	Year of Establishment	:	2007
5.	Date of the last environmental statement submitted	:	13.08.2013

PART - B

Water and Raw Material Consumption:

(I) Water Consumption (m³/day)

Process & Cooling : 10.42 m³/day


Domestic : 39.16 m³/day

Name of Products	Process water consumption per unit of product output	
	During the previous financial year (2012-13)	During the current financial year (2013-14)
	1	2
Cement	0.0053 KL/MT	0.0086 KL/MT

(II) Raw Material Consumption:

Sl. No.	Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
			During the previous financial year (MT) (2012-13)	During the current financial year (MT) (2013-14)
1.	Clinker	Cement	400596.231	310508.72
2.	Gypsum		9151.78	3826.15
3.	Fly Ash		175973.2	94203.008

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


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PART - C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

Sl. No.	Pollutants	Quantity of Pollutants discharge (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
a.	Water	N.A.	N.A.	There is no perennial Water course in the Lease or in nearby area.
b.	Air (Ambient Air Quality Monitoring & Stack Emission Monitoring)	Annexure - 1		Particulate Matters value are well within the prescribed limits stipulated by concerned regulatory authorities

PART - D

Hazardous Wastes:

(As specified under Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 amended till date.

Sl. No.	Hazardous Waste	Total Quantity (Kg.)	
		During the previous financial year (2012-13)	During the current financial year (2013-14)
a.	From Process		
(i)	Used Oil*	NIL	NIL
(ii)	Used Grease*	1820 Kgs.	NIL
b.	From Pollution Control facilities	N.A.	N.A.

PART - E

Solid Wastes:

Sl. No.	Solid Waste	Total Quantity (Kg.)	
		During the previous financial year (2012-13)	During the current financial year (2013-14)
a.	From Process	Nil	Nil
b.	From Pollution Control facilities	Nil	Nil
c.	Quantity recycled or reutilized	Nil	Nil

PART - F

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

Sl. No.	Description of Hazardous Waste	Qty. of waste generated during the year	Disposal Method
1.	Used /Spent Oil	NIL	
2.	Used Grease	NIL	

Other Solid Waste:

Sl. No.	Description of Waste	Qty. of waste generated during the year (MT)	Disposal Method
2.	Old & Used cut pieces bags	43.910	All the quantity of solid waste is sold to the authorized vendor.

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

- ③ The plant is equipped with Air Pollution Control devices such Jet Pulse Filters etc. designed to control the emission (SPM) level below 50 mg/Nm³ from any of the stacks installed at our plant.
- ③ Two nos. of opacity monitor purchased from M/s. Forbes Marshall Codel Pvt. Ltd., Pune and the company has already installed the same & the same is functioning now.
- ③ In addition, we are successfully managing the ambient SPM level below the prescribed levels by way of putting up Jet Pulse Filters at each of the transfer points, fully mechanized system for Fly Ash handling, covered belt conveyers, water sprinklers for raw materials and mostly paved surfaces for vehicular movement inside the plant premises.
- ③ The large amount of dust collected in the above mentioned dust catchers. This dust is recycled to the system, so as to convert finally to the product. These ways the natural resources are conserved in the system.
- ③ 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.



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PART - H

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

- ③ Development of greenbelt in & around the plant & colony.
- ③ Water tanker is used for spraying in the plant area as well as the nearby regularly for dust suppression.
- ③ Mechanized cleaning of roads & floor area within the plant premises using road sweeper (mobile vacuum cleaner).
- ③ Replacement of Conventional Fluorescent lamps with energy efficient T5 lamps for energy conservation.

PART - I

Any other particulars for improving the quality of the environment.

- ③ Quarterly EHS inspection of all the sections through the plant premises.
- ③ Awareness promotion through various environmental training, environmental competitions, presentations etc. on World Environment Day, Energy Conservation Day etc.
- ③ Water sprinkling on the unpaved surface for dust suppression.
- ③ Development of greenbelt in & around the plant & colony (total 543 nos. species already planted). The tree species planted are Royal Plam, Poensetia, Casia biflora, Bottle Brush, Calendula, Crysenthemum, Phlox, Primola, ranaculus, Statics, Cosmos, Dianthus, Dhalia, Gazania, Popy, Lily etc.
- ③ Proper lubrication and housekeeping to avoid excessive noise generation.


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Annexure – 1

Ambient Air Quality Monitoring Report (Average Value)

Name of the Station	Particulate Matters 10 Micron size ($\mu\text{g}/\text{m}^3$)	Particulate Matters 2.5 Micron size ($\mu\text{g}/\text{m}^3$)	Sulphur Dioxide ($\mu\text{g}/\text{m}^3$)	Nitrogen Dioxide ($\mu\text{g}/\text{m}^3$)
Near Time Office	59.01	37.21	8.45	10.86
Near Pump House	54.56	33.69	7.70	10.13
Near Worker Colony	49.24	29.49	7.00	9.67

Stack Emission Monitoring Report (Average Value)

Name of the Stack	Suspended Particulate Matters (mg/Nm^3)
Cement Mill – Bag Filter	37.07
Packing Plant – Bag Filter	22.63


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