



Dated:-04.05.2016

To,

The Member Secretary

Meghalaya State Pollution Control Board

Shillong, Meghalaya.

Ref:- MPCB/TB-120(2009)2016-17/40 Dated:-5th April 2016.

Sub:- Renewal of Consent to Operate.

Dear Sir,

With reference to your above mentioned letter :- MPCB/TB-120(2009)2016-17/40 Dated:-5th April 2016.,we are submitting herewith :-

1. Compliance Report.
2. Stack & Ambient Air Quality Report of the plant for the period April 2015 upto January 2016.
3. Environment Statement in Form- V for the period March Ending 2015.

The undersigned will be highly obliged for renewal of Consent to Operate.

Thanking You,

Yours faithfully

For, Hills Cement Company Ltd

HILLS CEMENT CO. LTD.

Authorised Signatory



HILLS CEMENT COMPANY LTD.

CIN-U26942ML2003 PLC007295, Website - www.tajcement.com

CORPORATE OFFICE : "SHIVAM COMPLEX", Bharalumukh, A. T. Road, Guwahati-781009, Ph.: (0361) 2735552, 2735527, e-mail: hr@hccl.in, info@hccl.in, headoffice@tajcement.com
REGISTERED OFFICE & WORKS: Village Mynkree, 116KM Stone, NH-44, Sub Div.: Khliehriat, Dist.: Jaintia Hills, Meghalaya-793200, Ph: 03655-215864, E-mail: hillsproject@gmail.com

Compliance Report of Consent to Operate

HILLS CEMENT COMPANY LTD.

116 Km Stone, NH-44, Mynkre

Village, East Jaintia Hills,

Meghalaya-793200

GENERAL CONDITIONS

Sl. No.	Condition	Status
01	This Consent has been accorded based on the particulars furnished by the applicant on behalf of M/s HILLS CEMENT COMPANY LIMITED and subject to addition of further or more conditions if so warranted by subsequent developments. The Consent will automatically become invalid if any change or alteration or deviation is made in actual practice.	Agreed. Condition complied with.
02	This Consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to the following:- a) Violation of any Terms and Conditions of this Consent; b) Obtaining the Consent by misrepresentation or failure to disclose fully all relevant facts; c) A change in any condition that require temporary or permanent reduction or elimination of the authorized discharge/emission.	Agreed. Condition complied with.
03	This Consent does not convey any property right in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central State or Local Laws or Regulation.	Agreed. Condition complied with.
04	No air, water and soil pollution shall be created by the Industry beyond the prescribed permissible limits.	Condition complied with. All pollutants are within permissible limits.
05	Suitable measures shall be taken by the industry, to maintain the ambient noise level within the plant premises to within a maximum of 75 dB(A) Leq during the day, i.e. 6:00 AM to 10:00 PM, and 70 db(A) Leq during the night i.e. 10:00 PM to 6:00 PM. The areas outside the plant premises and in all adjoining villages shall be maintained within 55 dB(A) Leq during the day i.e. 6:00 AM to 10:00 PM, and 45 db(A) Leq during the night i.e. 10:00 PM to 6:00 PM. Noise monitoring is to be conducted weekly and submit the Reports to the Board on monthly basis.	Condition complied with. Suitable acoustic measures have been installed to keep the noise level within permissible limits.

Sl. No.	Condition	Status
06	To maintain the environment and ecology of the area, development of green belt by planting selected species of trees, the height of which should not be less than 5 (five) metres when matured and at a spacing of 1 (One) metre should be made invariably at an area of 15 ha around the cement Plant and 2.0 ha around the colony. Schedule Action Plan is to be submitted to the Board within 3(three) months.	Green belt is being developed gradually by planting suitable species of plants around the plant as well as the residential colony.
07	As per the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and the Air (Prevention and Control of Pollution) Act, 1981 as amended that any Officer empowered by the Board on its behalf shall have without interruption, the right at any time to enter the Plant/factory/for inspection, collection of sample for analysis and may call for any information as deemed necessary. Denial this right will cause withdrawal of the Consent Order.	Agreed. Condition complied with.
08	The Company shall comply with all the environment protection measures and safeguards recommended in the ELA/EMP and submit the Report to the concerned Authority with copy to this Board	We are complying with the recommendations made in the EIA/EMP.
09	Domestic Wastewater generated from the factory' and colony shall have to be treated in a Sewage Treatment Plant. This treated water shall be utilized in greenbelt development around the plant and colony. Schedule Action Plan should be submitted within 3(three) months.	Planning is in the final stages for the installation of a STP. Presently domestic wastewater is treated in soak-pits before final discharge.
10	All recommendations of the corporate Responsibility for Environment Protection (CREP) shall have to be adhered to.	Condition complied with.
11	Prior Permission of the Central Ground Water Authority should be obtained for extraction of Ground Water.	Condition complied with.

SPECIFIC CONDITIONS

Sl. No.	Condition	Status
A	AIR ASPECT	
01	The Air pollution control devices installed should be properly maintained so as to ensure control of the particulate emission from each stack of the Cement Plant within 50 mg/Nm ³ .	Condition complied with. The Air pollution control devices are being regularly maintained and the particulate emission from the stacks are within 50 mg/Nm ³ .
02	The chimneys/vents attached to various sources of emission shall be assigned with specific reference numbers such as S-1, S-2, etc and these shall be painted/displayed to ease identification. Sampling ports at appropriate location in the chimney/stack and adequate facilities like ladder, platform, etc. for monitoring of the stack emissions should be maintained. The frequency of monitoring of stack emission shall be every fortnightly and the monitoring Report should be submitted to the MSPCB on monthly basis.	Condition complied with. All the stacks are properly marked with suitable provisions for emission monitoring. Presently stack emission monitoring is done on monthly basis and reports submitted to MSPCB. Planning is underway to change the monitoring schedule to once every fortnight.
03	On-line continuous stack monitoring facilities to monitor gaseous emissions from all stacks shall have to be provided within 30.06.2015.	Condition complied with. Online continuous stack monitoring facility has been installed.
04	A specific cell dedicated for environment management in the industry including a well equipped environmental laboratory managed by trained and experienced personnel shall have to be established and furnish its details to MSPCB within 3 (three) months.	An environmental cell has being formed. We are currently outsourcing the monitoring part.
05	Appropriate preventive measures should be adopted to reduce fugitive emission so as to control the concentration of suspended particulate matter in the ambient air.	Condition complied with.
06	Provision should be made for maintaining and plantation along the internal roads to reduce dust retention in the air and submit Action Plan within 3(three) months.	Plantation has already started and we are trying to increase the green cover with further plantation.
07	Monitoring of the Ambient Air Quality including micro-meteorological data in at least three ambient air quality monitoring stations established around the Plant premises should be carried out weekly for 24 hours and submit the report to the MSPCB on monthly basis.	Currently ambient air quality monitoring is carried out on monthly basis and reports regularly submitted.
08	The Ambient Air Quality within the Plant premises and surrounding areas should be maintained within the National Ambient Air Quality Standards.	Condition complied with. The ambient air quality is well within the standards of NAAQS.

Sl. No.	Condition	Status
B	WATER ASPECT	
01	The Daily quantity of Water to be drawn shall not exceed 1500 m ³ /day.	Condition complied with.
02	A Detailed Layout Plan of the Factory & Residential premises showing water supply lines, storm drains, sewers shall have to be submitted to the Board within 3 (three) months from to date. Various sources of effluent shall be assigned with specific reference numbers such as W-1, W-2. etc. and these shall be painted/displayed to ease identification.	The layout plan is being prepared and will be submitted as soon as it is ready.
03	Adequate drainage system should be provided (if not already in place) all around the coal and fly ash storage sheds to collect the run-off and leachate from the sheds for treatment in the ETP and submit Action Plan within 3(three) months.	Drainage system has been re-laid and revamped for better performance.
04	Provision should be made for setting up requisite number of permanent water quality monitoring stations on the natural water courses both upstream and downstream and selection of sampling points/stations should be made in consultation with this Board. Schedule Action Plan should be submitted within 3(three) months.	Planning going on to implement the condition in consultation with the Board.
05	Monthly returns of water consumption for different purpose of usage should be furnished on or before the 5 th day of every month in prescribed Form - 1.	Condition complied with.
06	Appropriate & approved Water meter should be affixed at the intake pipe line within the industry premises to record the water consumption by the industry for different purposes.	Condition complied with.
07	The industry shall provide a comprehensive trade effluent treatment system consisting of Primary, Secondary and or Tertiary treatment as may be warranted with reference to influent quality and an appropriate sewage treatment system as is warranted with reference to influent quality so that the quality of the treated effluent/sewage achieved the prescribed Standard given in the following Table. The schedule Action Plan for installation of ETP should be submitted within 3(three) months.	Planning is in the final stages for the installation of an ETP with all requisite systems.

Sl. No.	Condition	Status
C	SOLID & HAZARDOUS WASTE ASPECT	
01	Adequate facility should be created for collection, storage, transportation, treatment & disposal of Municipal Solid Waste generated from the Residential Colony and Industry (non- hazardous industrial solid waste) and submit Action Taken Report within 3 (three) months from to-date.	A suitable facility is being developed for collection. Storage, transportation, treatment and disposal of the said category of waste.
02	Requisite Authorization should be obtained and appropriate facility' should be created and maintained for handling, storage, treatment & disposal of Hazardous waste generate from the industry in accordance to the provisions of the Hazardous waste (Management, Handling & Trans-boundary Movement) Rules, 2008 including Notifications, Guidelines issued there under. Action Taken Report should be submitted within 3 (three) months from to-date.	Condition complied with.
03	Adequate facility should be provided for storage of any hazardous substance/chemicals in accordance to the provisions of the Manufacture, import & Storage of Hazardous Chemical rules, 1989.	Condition complied with.
04	Adequate system should be adopted for reduction of waste generation and enhancement of re-utilization & recycling of waste materials.	Condition complied with.
05	Facility should be created for utilization of plastic waste as co-fuel in the kiln and schedule Action Plan should be submitted within 3 (three) months from to-date.	Planning is underway for the installation of a suitable system to comply with the condition.

Form - V

Environmental Statement for the financial year ending on 31st March 2015

(Cement Plant)

PART - A

1	Name and Address of the Owner/ Occupier of the Industry, Operation or Process	Hills Cement Company Ltd., (Cement Plant) 116 KM Stone, NH-44, Mynkree village, East Jaintia Hills, Meghalaya
2	Industry Category: Primary (STC Code), Secondary (SIC Code)	SIC Code 3241
3	Production Capacity	3000 TPD Cement 2500 TPD Clinker
4	Year of Establishment	2007
5	Date of the last Environmental Statement Submitted.	02.03.2015

PART - B

WATER AND RAW MATERIAL CONSUMPTION

(I) WATER CONSUMPTION (m³/day)

- a. Process : Nil
- b. Cooling : Water used in the Cooling Tower of the plant is approximately 10 m³/day.
- c. Domestic : 1.5 m³/day

Water is also used for sprinkling to suppress airborne dust/greenbelt development @ 10 m³/day

SL. NO.	NAME OF PRODUCTS	PROCESS WATER CONSUMPTION PER UNIT OF PRODUCT OUTPUT	
		During the previous Financial Year (2013-14)	During the Current Financial Year (2014-15)
1	Cement	Nil	Nil

(II) RAW MATERIAL CONSUMPTION

SL. NO.	NAME OF RAW MATERIAL*	NAME OF PRODUCT(S)	CONSUMPTION OF RAW MATERIAL PER UNIT OF OUTPUT	
			During the Previous Financial Year (2013-14)	During the Current Financial Year (2014-15)
1	Fly-ash	P.P. Cement	0.37	0.39
2	Gypsum		0.0108	0.0112
3	Iron Ore		0.0039	0.0038
4	Limestone		1.103	1.108
5	Shale		0.147	0.149

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

PART - C
POLLUTION DISCHARGE TO ENVIRONMENT/UNIT OF OUTPUT
 (PARAMETERS AS SPECIFIED IN THE CONSENT ISSUED)

SL NO.	POLLUTANTS	QUANTITY OF POLLUTANTS DISCHARGED			PERCENTAGE OF VARIATION FROM PRESCRIBED STANDARDS WITH REASONS
A	Water	NA			NA
B	Air	Name of the Station	Particulate Matters 10 Micron Size ($\mu\text{g}/\text{m}^3$)	Particulate Matters 2.5 Micron Size ($\mu\text{g}/\text{m}^3$)	Particulate matter values are well within the prescribed limits stipulated by concerned regulatory authorities.
		Near Crusher Area	93.7	48.8	
		Near Main Gate	80.4	32.9	
		Near Staff Quarter	57.1	22.6	
C	Noise	Ambient Noise Levels are within prescribed limits for Industrial Areas			NA

PART - D**HAZARDOUS WASTES**

AS DISCUSSED UNDER HAZARDOUS WASTE - (MANAGEMENT, HANDLING & TRANSBOUNDARY MOVEMENT) RULES, 2008,
AMENDED TILL DATE

SL. NO.	HAZARDOUS WASTE	TOTAL QUANTITY	
		During the Previous Financial Year (2013-14)	During the Current Financial Year (2014-15)
A	From Process		
(i)	Used Oil	950 lt.	1070 lt.
(ii)	Used Grease	430 kg	510 kg
B	From Pollution Control Facilities	Nil	Nil

PART - E**SOLID WASTES**

SL. NO.	SOLID WASTE	TOTAL QUANTITY (KG)	
		During the Previous Financial Year (2013-14)	During the Current Financial Year (2014-15)
A	From Process	Not applicable	Not applicable
B	From Pollution Control Facilities	1,100	1,250
C	Quantity Recycled or Reutilized	1,100	1,250

PART - F

PLEASE SPECIFY THE CHARACTERIZATION (IN TERMS OF COMPOSITIONS & QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR THESE CATAGORIES OF WASTES

SL. NO.	DESCRIPTION OF HAZARDOUS WASTE	QTY. OF WASTE GENERATED DURING THE YEAR 2014- 15	DISPOSAL METHOD
1	Used/ Spent Oil	1070 lt.	Securely stored. To be sold to CPCB/MSPCB registered recycler.
2	Used Grease	510 kg	

SL. NO.	DESCRIPTION OF SOLID WASTE	QTY. OF WASTE GENERATED DURING THE YEAR 2014- 15	DISPOSAL METHOD
1	Solid Waste from Pollution Control Device	1,250	Recycled/Reused

PART - G

IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION

- Dust Collectors have been installed to control suspended particulate matter.
- Appropriate pollution control devices have been installed in all the stacks.
- Online stack monitoring system has been installed for better management and control of pollution.
- Regular sprinkling of water is also carried out to suppress ambient air-borne dust concentration. This helps to keep the pollution load well within tolerance limits in the vicinity of the mine area thus resulting in a better working environment.

PART - H

ADDITIONAL MEASURES / INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION / PREVENTION OF POLLUTION

- Plants of different variety are being planted to increase the green coverage of the area.
- Additional investments shall be made as and when necessary.

PART - I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF THE ENVIRONMENT

- NA
