

o/c

# Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

Date- 3<sup>rd</sup> Feb, 2018

To

**Additional Principal Chief Conservator of Forests (C),**  
Ministry of Environment, Forest and Climate Change,  
Regional Office (NEZ),  
Law-U-Sib, Lumbatngen, Near MTC Workshop,  
Shillong, Meghalaya.

**Sub:** Status of Compliance of Environment Stipulations –Regarding

Sir,

With reference to above, enclosed, please find herewith the details status of compliance of Environment stipulations as set by SEIAA for the period 01.05.2017 to 31.11.2017, for your kind information and record please.

Thanking you,

Yours Sincerely

**For Green Valliey Industries Ltd.**

  
**Authorized Signatory**  
**Pawan Joshi**  
(Asst. Vice President)

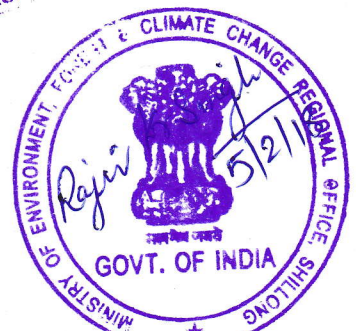
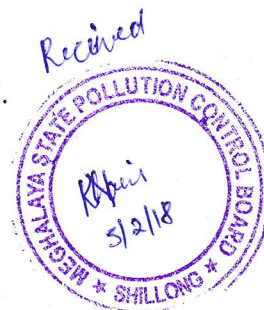
Central Pollution Control Board  
राष्ट्रीय प्रदूषण नियंत्रण बोर्ड - 603008  
Regional Office - North East, Shillong - 793014  
Ministry of Environment, Forest and Climate Change, Govt. of India  
RECEIVED NO. \_\_\_\_\_  
DATE 5.2.18

**Enclosed.**

- 1- Status of Compliance Report 01.05.2017 to 31.11.2017.
- 2- Ambient Air Monitoring Report.
- 3- Stack Monitoring Report.
- 4- Noise Level Monitoring Report.

CC: 1- To Member Secretary, MSPCB, Shillong.

2- Zonal Office Center Pollution Control Board Shillong.



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**A GNG GROUP COMPANY**

**Status of compliance of Environment stipulations as set by SEIAA for M/S  
GREEN VALLIEY INDUSTRIES LTD. for the period from**

**01.05.2017 to 31.11.2017.**

**Introduction:-**M/S Green Valliey Industries Ltd. was given environmental clearance for construction of an integrated cement plant of 1300 TPD expandable to 2600 TPD along with 2x10 MW captive power plant at village Nongsning, Chiehruphi, Jaintia Hills, Meghalaya on 28<sup>th</sup> March, 2009.

**STATUS OF COMPLIANCE OF ENVIRONMENT STIPULATIONS:**

**Specific Condition:**

Sl. No.	Conditions	Status
1.	High efficiency Electrostatic precipitators (ESPs) shall be installed in the Thermal Power Plant to limit particulate emission to 50mg/Nm <sup>3</sup> .	We have installed High Efficiency pollution control device (ESP) in our plant.
2.	Dust extraction and suppression system along with water sprinklers shall be provided for controlling fugitive dust during transportation, in coal storage area and other vulnerable area of the plant.	Water Tanker is being used on regular basis for water sprinkling, from main road to plant area.
3.	Water requirement shall be met from the existing water source which would be restricted to 1220 m <sup>3</sup> /day. No ground water shall be extracted for the DG set at any stage.	Water Consumption is below 1220 m <sup>3</sup> /day and No ground water is being extracted. The consumption report is being submitted to MSPCB monthly.
4.	Closed cycle cooling system with induced draft cooling towers shall be provided.	Have been provided.
5.	The treated effluents shall be re-circulated and reused within the plant area. There shall be no waste water discharge outside the plant boundary.	All water used for plant operation are re-circulated and reused, through water cooling tower.
6.	Rainwater harvesting shall be practiced. A detailed scheme for rain water harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground water Authority/State Ground Water Board and a copy of the same shall be submitted within six months to the monitoring agency.	We have approached Central Ground Water Authority vide our letter dated- GVIL/ENV/2009/359, GVIL/ENV/2015/12 and GVIL/ENV/2016-17/004. The same will be implemented after the receipt of the plan however we are practicing to harvest the rain water for



		ground level recharge in consultation with CPCB.
7.	Leq of noise level in the DG set premises shall be limited to 75dBA and regular maintenance of equipment should be undertaken. For personnel working in high noise areas, personal protection devices should be provided. Acoustic hoods shall be provided in respect of all equipments that have potential to contribute to noise pollution.	Personal protection devices are being used by all the workers working in high noise area of the plant.
8	Dry ash collection system shall be provided in the Thermal Power Plant. 100% ash utilization shall be insured from the very first day of commissioning of the thermal power plant.	We have not established Thermal power plant hence no generation of Dry ash.
9.	A stack of minimum 100m height shall be provided with continuous on-line monitoring system in respect of Thermal Power Plant considering the dispersion sensitivity and geographical location of the plant. The data collected shall be analyzed and submitted regularly to the Meghalaya State Pollution control Board and SEIAA.	We have not commissioned Thermal Power Plant.
10.	The stack emission from various sources shall not exceed 50mg/Nm <sup>3</sup>	The revised target of 30 mg/Nm <sup>3</sup> is being carried out strictly.
11.	Bag house/filters shall be provided to control the fugitive emissions during loading and unloading of raw materials/intermediate and finished products	Have been done.
12.	The project proponent shall store all the raw materials except limestone in covered sheds to control fugitive emissions. The coal storage facility should have water sprinkling facility in order to arrest fire hazard, if any.	Raw materials are kept in covered shed. Proper care is being taken in order to avoid any fire hazard.
13.	The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Meghalaya State Pollution Control Board (MSPCB) and additional stations shall be installed, in the downwind direction as well as where maximum ground level concentrations are anticipated.	We have established three AAQMS in the plant as per the guidelines. 1-Near Guest house 2- Near Power Plant 3- Near Staff Colony.
14.	Total water requirement shall not exceed 1220 m <sup>3</sup> /day. The project authorities shall install sewage treatment plant of minimum 80 m <sup>3</sup> /day capacity to treat domestic sewage and treated sewage shall be utilized for green belt development. No waste water shall be discharged outside the premises and zero discharge shall be ensured. Surface water restricted to a maximum of 1220 m <sup>3</sup> /day shall be drawn from perennial stream of Umtiling flowing nearby and no	Daily water consumption is below the prescribed limit. STP is installed for treating domestic sewage and treated sewage is being utilized for green belt development through storage tank.



	surface runoff from the factory premises shall either reach/contaminate Um-lunar or any other stream flowing at a site situated to the west of the industrial location.	
15.	The project proponent shall make all out effort to use high calorific value hazardous waste in the kiln towards which necessary provision shall be made.	Material for use of High Calorific value hazardous waste is not available around the plant area.
16.	The project proponent have not proposed procurement/development of any captive mine in respect of limestone requirement which is estimable to be high. The project proponent shall take expedient steps to procure limestone's mining leases covering such mining area that would be necessary to sustain the limestone requirement of the cement plant. The entire process shall be completed by the time the industry becomes operational and the project proponent shall source its limestone's requirement to run its industry only from such mining leases. The project proponent shall compulsorily take all such steps as are necessary to discourage procurement of limestone that would tend to promote unscientific mining and consequential environmental degradation.	We have already procured two mining land one in Chiehruphi area and another in Lumshnong area. File has been forwarded to the respective department for approval.
17.	The project proponent shall transport raw materials and industrial products through covered means.	Being carried out.
18.	The project proponent shall secure a certificate from the Principal Conservator of Forests, Meghalaya that the core project area is a non-forest land within 3 months of issue of prior Environmental clearance.	Certificate from PCCF, Meghalaya under process with state government.
19.	Thirty three percent of the core project area (17ha) shall be developed as green belt as per the guidelines of central pollution control board to mitigate the effects of fugitive emission. The program ought to be completed within 5 years from the date of issue of prior Environmental Clearance adhering to time and cost schedule detailed by the project proponent through incurring and expenditure of Rs. 9.5 Lakhs as stated by him.	The company has developed 14.81 Ha and remaining plantation work is in progress.
20.	The project proponent shall provide a Health care Center with all emergency medicines and ambulance along with full time doctors. There shall be a casualty ward that would be operational round the clock duly attended by a suitable doctor. Occupational health surveillance of the workers shall be carried out on a regular basis in terms of their EMP document and records shall be maintained as per the Factories Act.	Health Centre already functioning with company appointed Medical Officer with trained lab technician, nurse and helper. Health register is being maintained.



21.	Measures shall be taken to prevent impact of particulate emission/fugitive emission, if any, from the proposed plant on the surrounding private forest areas depicted in their land use study.	Work in progress.
22.	The project proponent shall raise conservation plots (over an area not less than 2ha) complete with green house, mist chamber etc. in respect of plants of conservation value in consultation with Botanical survey of India complete with cost and activity schedule within 6 months from the date of issue of prior Environmental Clearance and initiate implementation immediately thereafter. A copy of the conceptual shall be submitted to the monitoring agency.	We have approached Botanical Survey of India to guide us in this regards vide our letter dated-GVIL/ENV/2009/109 And GVIL/ENV/2016/14 Once the same is being received it will be implemented.
23.	The project proponent shall sponsor research and development for conservation of threatened category of species occurring locally such as <i>Nepenthes khasiana</i> and <i>Calamus khasiana</i> to be carried out by an appropriate research or academic institution located in Meghalaya within a year of issue of prior Environmental Clearance. The research project shall be instituted at an expenditure of a minimum of Rs. 5 lakhs per year spread over at least 3 years.	Will be done.
24.	A plan for conservation of wild fauna in consultation with a reputed institution such as Wildlife Institute of India, Dehradun shall be prepared and implemented. Such conservation plan drawn in respect of wildlife would be submitted to the monitoring agency within a maximum of 1 year from the date of issue of prior Environmental Clearance.	Experts from Centre for biodiversity and natural resources conservation, Assam University had visited the campus.
25.	A sum of Rs. 2302 lakhs (being 9% of capital cost of infrastructure of the project) shall be spent by the project proponent towards environment protection. A further sum of Rs. 15 lakhs per year shall be spent by the project proponent towards economic development of the area till the project subsists.	We are spending Rs. 15 Lac per year towards economic development of the area. The details of the same have been submitted vide letter No. GVIL/ENV/2015-16/010
26.	The pollution control units/processes to be installed shall be vetted by experts from a reputed institute such as NEERI, IIT and NIT.	Have been done.
27.	The project proponent shall ensure monitoring of biodiversity component at the interval of every five years by an independent expert agency to assess the impact of the project thereupon. The report shall be submitted to the monitoring agency.	Discussed with the experts from Centre for Biodiversity and natural resources conservation, Assam University for their guidance and help in this matter.



**GENERAL CONDITIONS:**

Sl. No	Conditions	Status
1.	The project proponent shall abide by the stipulations (as amended from time to time) of the MSPCB/State government or any other statutory body.	GVIL is abiding by the stipulations.
2.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests or their nominated authority as the case may be. In case of deviation or alteration in the project proposal from those submitted to this committee for clearance a fresh reference shall be made to the SEAC through SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	GVIL will follow the guidelines.
3.	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> ) and particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no point of time, the emissions shall exceed the prescribed limits. Interlocking system of equipment shall be chosen such that in the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	We have installed online SO <sub>2</sub> , NO <sub>x</sub> analyzer and maintaining the emission under prescribed limit. The analyzer is also connected to CPCB and MSPCB server through G-Lens. Interlocking system of equipment has been provided.
4.	The industry shall undertake the following waste minimization measures: <ul style="list-style-type: none"><li>• Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li><li>• Use of closed pneumatic system for transport of fine material.</li><li>• All venting systems shall be connected with dust or particulate arresting equipments.</li><li>• Dust/particulate matter collected in pollution control equipments shall be reused.</li></ul>	Pneumatic dust conveyer system to reuse coal dust with hot is under progress.  a)Clinker conveyor system b)Dust collector installed c)Clinker discharge to stock pile, dust collector installed
5.	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the SPCB/CPCB.	Being carried out.
6.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures such as acoustic hoods,	Required Acoustic hoods, silencers have been provided and the noise level is being



	silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986, Environment (Protection) Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night time)	maintained under the prescribed limit.
7.	The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 as amended and Hazardous Waste (Management Handling) Rules, 1989 as amended from time to time. Authorization from the MSPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.	Authorization from the MSPCB has been obtained for collection, storage and disposal of hazardous wastes and complying the norms.
8.	Rainwater harvesting measures shall be done within the premises. Ground water recharge structures shall be installed around the plant area in consultation with local authorities to maintain the ground water table.	Ground water recharge structure is installed to maintain ground water table.
9.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment. The eco- development plan should be submitted to the monitoring agency. Within six months of issue of prior Environment clearance.	Under Progress
10.	A separate Environmental management cell equipped with full fledged laboratory facilities as detailed by the project proponent shall be set up to carry out the Environmental Management and monitoring functions.	Separate Environment management cell has been constituted.
11.	All pollution control equipment in STP shall be manned full time by trained personnel.	STP is functional and being maintained by trained personnel.
12.	The implementation of the project vis-a-vis environmental action plans shall be monitored by the Regional office, Ministry of Environment & Forest duly assisted by the SPCBA six monthly status report shall be submitted to the stated institutions and state Environment impact Assessment Authority/SEAC apart from posting the same on the website of the company.	A six monthly status report is being regularly sent.
13.	The project proponent will make provisions to keep standby spares at the plant site of pollution control units/devices during operation of the cement plant.	We have Reverse Air Bag House in pyro section, which has got additional capacity to arrest dust.
14.	The project proponent will arrange to carry out regular maintenance of all the pollution control Units/devices to ensure its sufficient performance all	Our maintenance team is regularly monitoring the pollution control devices to keep

	the time.	the pollution control equipments in condition & ensure sufficient performance all the time.
15.	The project proponent shall not violate applicable provisions of any Acts, Rules Orders of the Government and Judicial orders issued by the Hon'ble Supreme court/High Courts /NGT, applicable to the project.	We would always honor the guidelines from Hon'ble Supreme court/High Courts /NGT, applicable to the project.