



To

The Joint Director(s)'
Ministry of Environment & Forest
North Eastern Regional Office, Shillions

Date: 14.08.7014

Sub: Status of Compliance of Environmental Stipulations - Regarding

Sir,

With reference to above, enclosed, please find herewith the detail status of compliance of Environment Stipulations as set by SEIAA for the period 01.12.2013 to 31.05.2014, for your kind information and record please.

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Thanking you.

Yours Sincerely

For Green Valliey Industries Ltd.

Authorised Signatory

Encl.

- 1. Status of compliance report 01.12.2013 to 31.05.2014
- 2. AAQ Monitoring report
- 3. Stack Monitoring report
- 4. Ambient Noise level report

Cc:

Member Secretary, MSPCB, Shillong

Bry John

Green Valliey Industries Limited

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STATUS OF COMPHANCE OF ENVIRONMENT STIPULATIONS AS SET BY SELEA FOR M/S GREEN VALUEY INDUSTRIES LTD FOR THE PERIOD ENDING 1ST Dec 2013 TO 31st May 2014

immediaction: M/S Green Valliey inclustries 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 of Village Mongsning, Chiefrophi, Jaintia Hills, Meghadaya on 25th March 2009

STATUS OF COMPLIANCE OF ENVIRONMENT STIPULATIONS:

A. SPECIFIC CONDITIONS:

SI.	Conditions	Status
i	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 sprinkling system incorporated at Lime Stone crusher Area. Water Tanker is been used on regular basis for water sprinkling, from main road to plant areas.
II	Water requirement shall be met from the existing water source which would be restricted to 1220 m³/day. No ground water shall be extracted for the DG set at any stage	Water is mainly drawn from the Umthiu stream flowing near the factory. GVIL had permission to draw water from the stream from both village Dorbar as well as from state PHE Dept
III	Closed cycle cooling system with induced draft cooling towers shall be provided for the DG set.	Have been provided.
iv	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.
V	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.	In touch with the Central Ground water Board for their advice and guidance.
vi	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.	The DG Set is not in operation since long time back.

	Acoustic hoods shall be provided in respect of all	
	equipments that have potential to contribute to noise pollution.	
VII	A stack of appropriate height shall be provided with	
	continuous on line monitoring system in respect of DG	provided
	set considering the dispersion sensitivity and	
	geographical location of the plant. The data collected	
	shall be analysed and submitted regularly to the	
	Meghalaya State Pollution control Board and SEIAA.	
viii	The stack emission from various sources shall not exceed	This has been maintained
He is	50mg/Nm ³	strictly, as per norms.
ix	Bag house/filters shall be provided to control the fugitive	A Bag House is been installed
	emissions during loading and unloading of raw	at Fly Ash feeding point, to
	materials/intermediate and finished products	minimize the emission.
X	The project proponent shall store all the raw materials	Have been done
	except limestone in covered sheds to control fugitive	
	emissions. The coal storage facility should have water	Name than total \$400 may
	sprinkling facility in order to arrest fire hazard, if any.	Interfered when the above the
xi	The locations of ambient air quality monitoring stations	Locations for AAQ monitoring
	shall be set up as per statutory requirement in	stations have been identified
	consultation with the Meghalaya State Pollution Control	by MSPCB officials.
	Board (MSPCB) and additional stations shall be installed,	of mores entities.
	in the downwind direction as well as where maximum	
	ground level concentrations are anticipated.	
xii	Total water requirement shall not exceed 1220 m ³ /day.	Daily water consumption i
XII	The project authorities shall install sewage treatment	below the prescribed level. Ou
	plant of minimum 80 m³/day capacity to treat domestic	staff colony work is unde
	sewage and treated sewage shall be utilized for green	process. STP will be provide
	belt development. No waste water shall be discharged	once the residential/ sta
	outside the premises and zero discharge shall be	colony is set up. Septic tank
	ensured. Surface water restricted to a maximum of 1220	have been provided for existing
	m³/day shall be drawn from perennial stream of Umtiling	temporary residential rooms.
	flowing nearby and no surface runoff from the factory	
	premises shall either reach/contaminate Um-lunar or any	Work in process
	other stream flowing at a site situated to the west of the	
	industrial location.	
xiii	The project proponent shall make all out effort to use	Under consideration of top
	high calorific value hazardous waste in the kiln towards	management.
	which necessary provision shall be made.	alfave of Indiamal subsects
xiv	The project proponent have not proposed	Work in progress
	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	A CHILDREN TO THE STATE OF THE

	mining area that would be necessary to sostam the	
	ilmestone requirement of the cement plant, the entire	
	process shall be completed by the time the industry	
	becomes operational and the project proponent shall	ACTOR STORY
	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	The first transfer of
	discourage procurement of limestone that would tend to	
	promote unscientific mining and consequential	
	environmental degradation.	
XV	The project proponent shall transport raw materials and	Being carried out.
	industrial products through covered means.	
xvi	The project proponent shall secure a certificate from the	Certificate from PCCF,
	Principal Conservator of Forests, Meghalaya that the core	Meghalaya already obtained.
	project area is a non-forest land within 3 months of issue	Colonia and a second a second and a second a
	of prior Environmental clearance.	University had select the
xvii	Thirty three percent of the core project area (17ha) shall	More than total 3400 nos of
	be developed as green belt as per the guidelines of	bamboos, champa trees and
	central pollution control board to mitigate the effects of	flowering plants have been
	fugitive emission. The program ought to be completed	planted. The tree plantation
	within 5 years from the date of issue of prior	and green belt development is
	Environmental Clearance adhering to time and cost	being continued to achieve the
	schedule detailed by the project proponent through	target.
	incurring and expenditure of Rs. 9.5 Lakhs as stated by	
	him.	
xviii	The project proponent shall provide a Health care Center	Health Centre already
~*****	with all emergency medicines and ambulance along with	functioning with company
	full time doctors. There shall be a casualty ward that	appointed full time Medical
	would be operational round the clock duly attended by a	Officer with trained lab
	suitable doctor. Occupational health surveillance of the	technician, nurse and helper.
	workers shall be carried out on a regular basis in terms of their EMP document and records shall be maintained as	Health register has been maintained.
		mamameu.
	per the Factories Act.	Work in progress
xix	Measures shall be taken to prevent impact of particulate	Work in progress.
	emission/fugitive emission, if any, from the proposed	
	plant on the surrounding private forest areas depicted in	
DE	their land use study.	
XX	The project proponent shall raise conservation plots	Scientists from Botanical
	(over an area not less than 2ha) complete with green	survey of India had visited the
	house, mist chamber etc. in respect of plants of	site.
	conservation value in consultation with Botanical survey	Cathering of a substitute of the substitute of
	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	
+ - K	to the monitoring agency.	
XXI	The project proponent shall sponsor research and development for conservation of threatened category of species occurring locally such as Neperthes khasiana and Calamus khasiana to be carried our by an appropriate research or academic institution located in Meghalaya	Will be done
	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 atleast 3 years.	
xxii	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	Experts from Centre for biodiversity and natural resources conservation, Assam
	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.	University had visited the campus. Plan already submitted.
xxiii	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.	Work in progress
Xxiv	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.
XXV	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:

SLNo	Conditions	Status
ì	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.
li	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	GVIL will follow the guidelines
	the case may be. In case of deviation or alteration in the	Salesian with the Zeel-st

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	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	Francisco de la constanta de l
	measures required, if any.	(E. Harrison or Cardon State of State o
III	The gaseous emissions (SO ₂ , NOx) and particulate matter	GVIL is maintaining the
	from various process units shall conform to the standards	standards prescribed by the
	prescribed by the concerned authorities from time to	authorities. Interlocking system
	time. At no point of time, the emissions shall exceed the	of equipments has been
	prescribed limits. Interlocking system of equipment shall	provided.
	be chosen such that in the event of failure of any	construction of the second
	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	William Close Scientific
	achieved.	
iv	The industry shall undertake the following waste	-Pneumatic dust conveyer
	minimization measures: Reuse of by-products from the	system to reuse coal dust with
	process as raw materials or as raw material substitutes in	hot is under progress.
	other processes.	-Clinker conveyor system
	Use of closed pneumatic system for transport of fine material.	a)Dust collector installed
	All venting systems shall be connected with dust or	b)Clinker discharge to stock
	particulate arresting equipments.	pile, dust collector installed
	Dust/particulate matter collected in pollution control	
	equipments shall be reused.	at production, make her gar
V	Fugitive emissions in the work zone environment,	Being carried out.
	product and raw materials storage area shall be regularly	0.72
	monitored. The emissions shall conform to the limits	
	imposed by the SPCB/CPCB.	
vi	The overall noise levels in and around the plant area shall	Noise level is within the
	be kept well within the standards by providing noise	prescribed standards .
	control measures such as acoustic hoods, silencers,	eriare entire agletica des
	enclosures etc. on all sources of noise generation. The	A STATE OF THE STA
	ambient noise levels shall conform to the standards	
	prescribed under the Environment (Protection) Act, 1986,	
April 10	Environment (Protection) Rules, 1989 viz. 75 dBA	
	(daytime) and 70 dBA (night time)	
vii	The project authorities shall strictly comply with the rules	Authorization from the MSPCB
	and guidelines under Manufacture, Storage and Import of	has been obtained for
	Hazardous Chemical Rules, 1989 as amended and	collection, storage and disposa
	Hazardous Waste (Management Handling) Rules, 1989 as	of hazardous wastes.
	amended from time to time. Authorization from the	
	MSPCB shall be obtained for collection, treatment,	
	storage and disposal of hazardous-wastes.	
viii	Rainwater harvesting measures shall be done within the	In touch with the Centra
	premises. Ground water recharge structures shall be	Ground water Board for thei

	installed around the plant area in consultation with local authorities to maintain the ground water table	aswice and guidance.
ix	The company shall undertake eco development measures including community welfare measures in the project area.	Environment management plan (EMP) has already been framed and is under implementation.
×	A separate Environmental management cell equipoed 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. Laboratory is under process of setting up to carry out the Environmental Management and monitoring functions.
xi	All pollution control equipment in STP shall be manned full time by trained personnel.	Will be done shortly.
xii	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.
XIII	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.	in pyro section, which has got additional capacity to arrest dust.
XIV	The project proponent will arrange to carry out regular maintenance of all the pollution control Units/devices to ensure its sufficient performance all the time.	Our maintenance team is regularly doing the needful to keep the pollution control equipments in condition & ensure sufficient performance all the time.

AMBIENT AIR QUALITY MONITORING

Sampling Location:

Near Guest House

Date of sampling.

04.03.2014 to 05.03.2014

Duration of Sampling:

24 hrs

Ambient Temperature:

Maximum - 20.4 °C

Minimum - 16.7 °C

Relative Humidity:

Maximum - 89%

Minimum - 78%

Parameters	Observed values (µg/m³)	Permissible Limits (µg/m³)
PM10	52.5	100
PM2.5	30.45	60
SO ₂	ND	80
NO _x	18.60	80

Remarks: The parameters tested were found to be within the permissible limits.

Analysed by:

AMBIENT AIR QUALITY MONITORING

Sampling Location:

Near CCR

Date of sampling:

06.03.2014 to 07.03.2014

Duration of Sampling:

24 tus

Ambient Temperature:

Maximum - 20.4 °C

Minimum – 16.7 °C

Relative Humidity:

Maximum - 89%

Minimum - 78%

Parameters	Observed values (μg/m³)	Permissible Limits (µg/m³)	
PM10	71.80	100	
PM2.5	49.75	60	
SO ₂	18.45	80	
NO _x	31.55	80	

Remarks:

The parameters tested were found to be within the permissible limits.

Analysed by:

AMBIENT AIR QUALITY MONITORING

Sampling Location: Near Staff Quarter

Date of sampling: 08.03.2014 to 09.03.2014

Duration of Sampling: 24 hrs

Ambient Temperature: Maximum – 21.5 °C

Minimum – 17.5 °C

Relative Humidity: Maximum – 97%

Minimum - 71%

Parameters	Observed values (µg/m³)	Permissible Limit: (μg/m³)	
PM10	60.80	100	
PM2.5	31.45	60	
SO ₂	ND	80	
NO _x	24.40	80	

Remarks: The parameters tested were found to be within the permissible limits of

Stack Emission Standards.

STACK MONITORINES

5i. No.	Date of Sampling	Name of Stack	Parameter	Observed values (mg/ftm²)	Permissible Limits (nug/Nm³)
1	14.03.2014	Kiln & Raw Mill	Particulate	46	50.0
2	14.03.7014	Coal-Mill BF	Matter (PM10)	40	50.0
3	14173 7014	Conier ESP		34	50.0
4	15.03.2014	Cement Mill BF		39	50.0
5	15.03.2014	Crusher BF		36	50.0

Remarks:

The parameters tested were found to be within the permissible limits of Stack Emission Standards.

Analysed by:

AMBIENT WORK IFU:

Si.	21.	Date of	Location	Observed values [db(A)]		Same	s (dB(A))
No.	Memberns		Dav Night		Day	Night	
1	17.03.2014	Main Gate	52.5	43.2	75	70	
2	17.03.2014	HeD Block	50.7	41.3	75	70	
3	17.03.2014	Staff Colony	61.6	49.6	75	70	

Noise Level Leq (day)

-61.55 dB

Noise Level Leq (night)

- 54.31 dB

Remarks:

The parameters tested were found to be within the permissible limits of

Noise Level Standards.

Analysed by: