MAX CEMENT
MAXIMUM KI GUARANTEE

Dated, 31st January 2022

No:GVIL/ENV/SC/2021-22/02

To,

The 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

Respected Sir/ Madam,

With reference to the subject cited above, please find herewith the status of compliance of Environment stipulations directed by SEIAA for the period April 2021 to September 2021 with details enclosed.

This is for your kind information and record please.

Yours Sincerely,

For Green Valliey Industries Limited.

Authorized Signatory
Pawan Kumar Joshi
(Asst.Vice President)

Enclosed:

A. Status of Compliance Report for the period April 2021 to September 2021.
B. Ambient Air Monitoring Report.(Annexure-I)
C. Stack Monitoring Report. (Annexure-II)
D. Noise Level Monitoring Report.(Annexure-III)
E. Fugitive Emission Monitoring Report (Annexure- IV)
F. Work Zone Monitoring Report (V)
G. Annexures as listed.

Copy to:

1. The Member Secretary, State Environment Impact Assessment Authority, Shillong.
2. The Member Secretary, Meghalaya State Pollution Control Board, Shillong.
3. The Zonal Office, Central Pollution Control Board, Shillong.
4. The Member Secretary, State Expert Appraisal Committee (SEAC), Shillong.

Green Valliey Industries Limited
CIN - U26942ML2007PLC008273
Regd Office and Plant : Village Nongsning, PO Chiehruphi, PS Khliehriat, Dist Jaintia Hills, Meghalaya 793200
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A GVG GROUP COMPANY

Status of compliance of Environment stipulations as set by SEIAA for M/S GREEN VALLIEY INDUSTRIES LTD. for the period April 2021 to September 2021.

Introduction:-M/S Green Valliey Industries Limited was given environmental clearance for construction of an Integrated Cement Plant of 1300 TPD expandable to 2600 TPD along with 2x10 MW Captive Coal Based Thermal Power Plant at village Nongsning, Chiehruphi, Jaintia Hills, Meghalaya on 28th March, 2009.

STATUS OF COMPLIANCE OF ENVIRONMENT STIPULATIONS:

SPECIFIC CONDITIONS:

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^3.	• We have not commissioned Thermal Power 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.	• We have installed dust extraction and suppression system at all the transfer points. • We do use water spray on the transfer points of clinker cooler, preheater cyclone, Limestone crusher and Cement Mill to control dust emission in the plant. • At unloading points of coal, we have already installed water spraying system for effective dust suppression. • Water tanker is being used on regular basis for water sprinkling, from the main road to plant area.
3.	Water requirement shall be met from the existing water source which would be restricted to 1220 m^3/day. No ground water shall be extracted for the DG set at any stage.	• Water Consumption is below 1220 m^3/day and No ground water is being extracted.
4.	Closed cycle cooling system with induced draft cooling towers shall be provided.	• Closed cycle cooling system with induced draft cooling towers 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 the water used for plant operation are re-circulated and reused through water cooling tower. STPs have been installed to treat domestic waste water and the treated water is being utilized for Plantation and sprinkling on roads.

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.	• Rainwater harvesting have been set up and practiced, in consultation with Central Ground water Authority/State Ground Water Board, (**Annexure- 1**).
7.	Leq of noise level in the DG set premises shall be limited to 75 dBA 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 equipment's 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 and the noise produced are below the prescribed limit.**(Attached Noise Monitoring Report)**
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 ofThermal Power Plantconsidering 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^3	• The revised target of 30mg/Nm^3 is being followed strictly.**(Attached Stack Monitoring Report)**
11.	Bag house/filters shall be provided to control the fugitive emissions during loading and unloading of raw materials/intermediate and finished products.	• Bag house/ filters have been provided to control the fugitive emissions at vulnerable areas of the Plant.**(Attached Fugitive Emission Monitoring Report)**

12.	a) The Storage of the coal dumps shall be housed by permanent sheds open on all sides and stacked on impervious floor, preferably cemented to prevent Acid Mine Drain (AMD). b) The project proponent shall construct garland drains along with AMD Neutralisation tanks, in consultation with and approved by the SPCB c) No direct discharge of AMD into any drains/natural drains shall be allowed; proper treatment of AMD shall be done by the Project proponent.	• A permanent coal yard has been extended for its capacity and fully complied by concreting the floor with proper shed to avoid any contamination of water. • We do have Neutralisation pit and have also approached MSPCB for approval **(Annexure- 2)**. • Proper Treatment of AMD done in Neutralisation Tank before discharge and awaiting for approval from MSPCB. We are also monitoring and testing the water from the outlet to ensure it efficiency.
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 directions and guidelines of CPCB with the approval from MSPCB at: 1- Near Guest house, 2- Near DM Plant. 3- Near Staff Colony. However, an additional AAQMS has been placed in the downward direction (Near HOD Colony), letter sent to MSPCB for guidance and approval**(Annexure- 3).**
14.	Total water requirement shall not exceed 1220 m^3/day. The project authorities shall install sewage treatment plant of minimum 80 m^3/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^3/day shall be drawn from perennial stream of Umtiling flowing nearby and no 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.	• Daily water consumption is below the prescribed limit. • STPs have been installed for treating domestic sewage and the same treated water is being used in Sprinkling the road and Spraying for Plantation.
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.	• We have approached Municipal Board of the District for Material use of High Calorific value hazardous waste**(Annexure- 4).** • However, waste generated within the Plant premises are being fed in the kiln.

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.	• Process for obtaining Prospecting License / Mining Lease for three blocks - Madan Pyrda Block –I (4.89 Ha.), Madan Pyrda Block –II (10.71 Ha.) & Surve Larung (44.58 Ha.) has already been taken prior to the industry became operational. • Present status of all the three applications are as follows :- 1. **Madan Pyrda Block–I (4.89 Ha.)**– ORDER / LOI (Letter of Intent) obtained, Mining Plan Approved, EC granted, Final Approval for Forest Clearance has obtained. Mining Lease Deed has already been executed with the State Government. 2. **Madan Pyrda Block– II (10.71 Ha.)**- ORDER/ LOI (Letter of Intent) obtained, Mining Plan Approved, Application for obtaining Forest Clearance has already been submitted at State Government. TOR obtained for getting EC clearance. 3. **Surve- Larung (44.58 Ha.)**– ORDER/ LOI (Letter of Intent) obtained, Mining Plan has submitted at Indian Bureau of Mines for approval.
17.	The project proponent shall transport raw materials and industrial products through covered means.	• All raw materials and industrial products are transported through covered means.
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.	• Securing of Non– Forest Certificate for the core project area from Principal Conservator of Forest, Meghalaya is under process.
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	• The company has developed 15.40 Ha as green belt and remaining plantation work is in progress. **(Annexure- 5)**

	Lakhs as stated by him.	
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.	• Occupational Health Care Centre already functioning with company appointed Medical Officer, accompanied by trained lab technician, nurse and helper. Health register is being maintained. • We also have Ambulancefacility to commute and address employees with any severe medical issues.
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.	• Measures are 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.
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.	• Mist Chamber under construction (in consultation with Botanical Survey of India, Shillong).
23.	The project proponent shall sponsor research and development for conservation of threatened category of species occurring locally such as *Nepenthes khasiana* and *Calamus khasiana* 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. **(Annexure- 6)** • We have approached Wild life Institute of India for plans for conservation of Wild life fauna as per your recommendation.**(Annexure- 6)**

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. **(Annexure- 7)**
26.	The pollution control units/processes to be installed shall be vetted by experts from a reputed institute such as NEERI, IIT and NIT.	• The installed pollution control units/processes have been vetted by experts from NIT **(Annexure- 8)**
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. We have also approached SEIAA for their intervention and guidance. **(Annexure- 6)**

GENERAL CONDITIONS:

Sl. No	Conditions	Status
1.	The project proponent shall not violate applicable provisions of any Acts, Rules Orders of the Government and judicial orders issued by the Hon'bl Supreme Court/ High Courts/ NGT, applicable to the project.	• GVIL is abiding by the provisions and shall continue to do so.
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_2, NOx) 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_2, NOx analyzers and are maintaining the emission under prescribed limit and online data is being submitted to MSPCB and CPCB on regular basis.

4.	The industry shall undertake the following waste minimization measures: • Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. • Use of closed pneumatic system for transport of fine material. • All venting systems shall be connected with dust or particulate arresting equipments. • Dust/particulate matter collected in pollution control equipments shall be reused.	• There is no generation of any by-products at our Plant • We are using Air Slides to transport fine materials, which consume less power, has no dust loss and is a closed system. • RABH and ESP have been installed connecting Cooler, and other venting lines. • Dust/particulate matter collected in pollution control equipment are being reused.
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.	• Fugitive emission testsand Work Zone Monitoring are being carried out, which conforms to the limits imposed by SPCB/ CPCB. Attached as **(Annexure- IV and V).**
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, 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)	• Acoustic hoods, Silencers have been provided and the noise level is being 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.	• Complied. Authorization from the MSPCB has been obtained for collection, storage and disposal of hazardous wastes, attached as **(Annexure- 9).**
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.	• Complied.

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	• We have established full–fledged Environmental Laboratory as per your guidelines.
11.	All pollution control equipment in STP shall be manned full time by trained personnel.	• STP is functional and being operated 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 submitted to MoEF&CC, Shillong. • The same is updated and posted on our official website at: http://www.maxcement.co.in/
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 maintain spares for Reverse Air Bag House and also spares for Filter Bagsof other sections.
14.	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 monitoring the pollution control devices to keep the pollution control equipment in good condition and ensure sufficient performance at all times.
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 shall abide by any Acts, Rules Orders of the Government and Judicial orders issued by the Hon'ble Supreme court/ High courts/ NGT, applicable to the project.

ENVIROCON
Recognised By
Pollution Control Board, Assam

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ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GVIL/21-22/FE-09/01
Date : 08/10/2021

Order No.: 3600001626
Date : 19/09/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Location	Fugitive Emission Result for SPM ($\mu g/m^3$)	Limit ($\mu g/m^3$)
22.09.2021	Coal Handling Area (Near DM Plant)	866	2000
23.09.2021	Lime Stone Crusher Section	2168	5000

ENVIROCON Recognized by Pollution Control Board, Assam Digboi Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

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Pollution Control Board, Assam

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Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

WORK ZONE AIR QUALITY TEST RESULTS

Date	Locations	Results for PM (mg/m^3)	Limit (mg/m^3)
22.09.2021	Packing Plant	0.95	2.0
23.09.2021	Cement Mill Dump Hopper	1.07	2.0

ENVIROCON Recognized by Pollution Control Board, Assam Digboi Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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O/C

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

Letter No. GVIL/MSPCB/ ENV/2019-20/01

2nd November, 2019

To,

The Chairman,
Meghalaya State Pollution Control Board,
ARDEN, LUMPYNGAD,
Shillong-793014

Subject: Request for approval of the construction of AMD Neutralization tank.

Reference: No. **SEIAA/(PROJECT-1/2007)Pt-4/2016/54/363** dated 30th April, 2019

Respected Sir,

With reference to the subject cited above and the referred letter from SEIAA as stated in the Specific Condition;

No. xii (b) *"The project proponent shall construct garland drains along with AMD Neutralisation tanks, in consultation with and approved by the **State Pollution Control Board**"* and

No. xii (c): *"No direct discharge of AMD into any drains/natural drains shall be allowed; proper treatment of AMD shall be done by the Project Proponent in the Neutralisation Tank before releasing the water to the drain/natural drain, which shall be duly approved by the **Meghalaya State Pollution Control Board.**"*

Further, we would like to bring to your notice that we have constructed an AMD Neutralisation Tank, of 7.55*3.05*2.4 m, comprising of three tanks, filled with Limestone of 8.25 m^3 in the middle (second) tank. Moreover, we have also lined the drain with Limestone for better neutralization.

Please Note, we have detailed the process with drawing of the tank and annexed with the application for your kind consideration and approval. This method will also be replicated for the other areas in the future, for better treatment of drain water before discharge.

Therefore, we request you to approve the steps and measures we have taken.

Thanking you,

For Green Valliey Industries Ltd.

Pawan Joshi
(Assistant Vice President)

GREEN VALLIEY INDUSTRIES LIMITED KOLKATA GVIL

Received 4/11/19

Enclosure- The detailed procedure of AMD Neutralization tanks with layout

GNG GROUP

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Neutralisation Tank:

1. **Principle:**

The principle utilized in the Neutralisation tank is the addition of base (Limestone) to acidic water (Sulphur, from the drain of the Coal storage area) for Neutralisation before discharge.

2. **Layout:**

The Neutralisation Tank consists of three tanks (marked as A, B and C) of dimension 6.40*2.54*2.75 m (Fig. 1). Tank B has been filled with Limestone of 8.25m^3, whereas tank A and C are constructed to accumulate and settle the incoming water respectively. Flowchart as below:

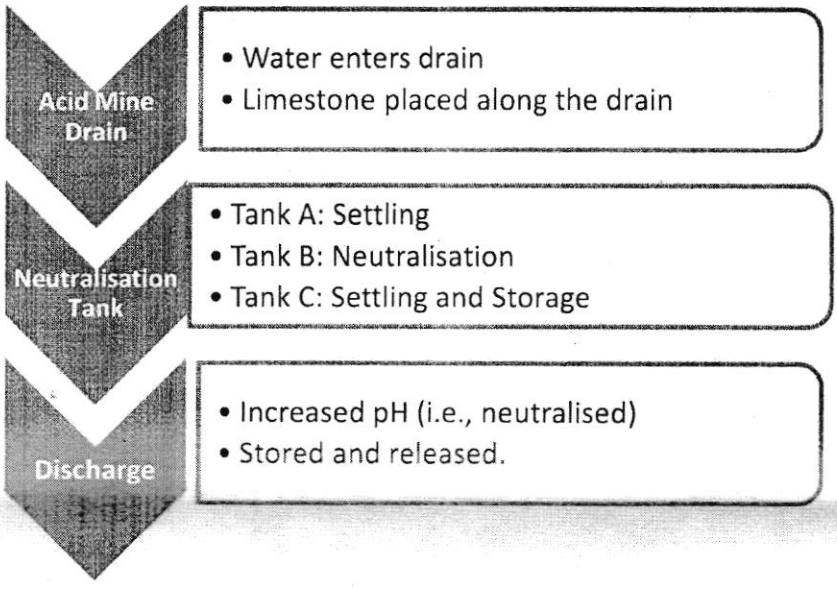
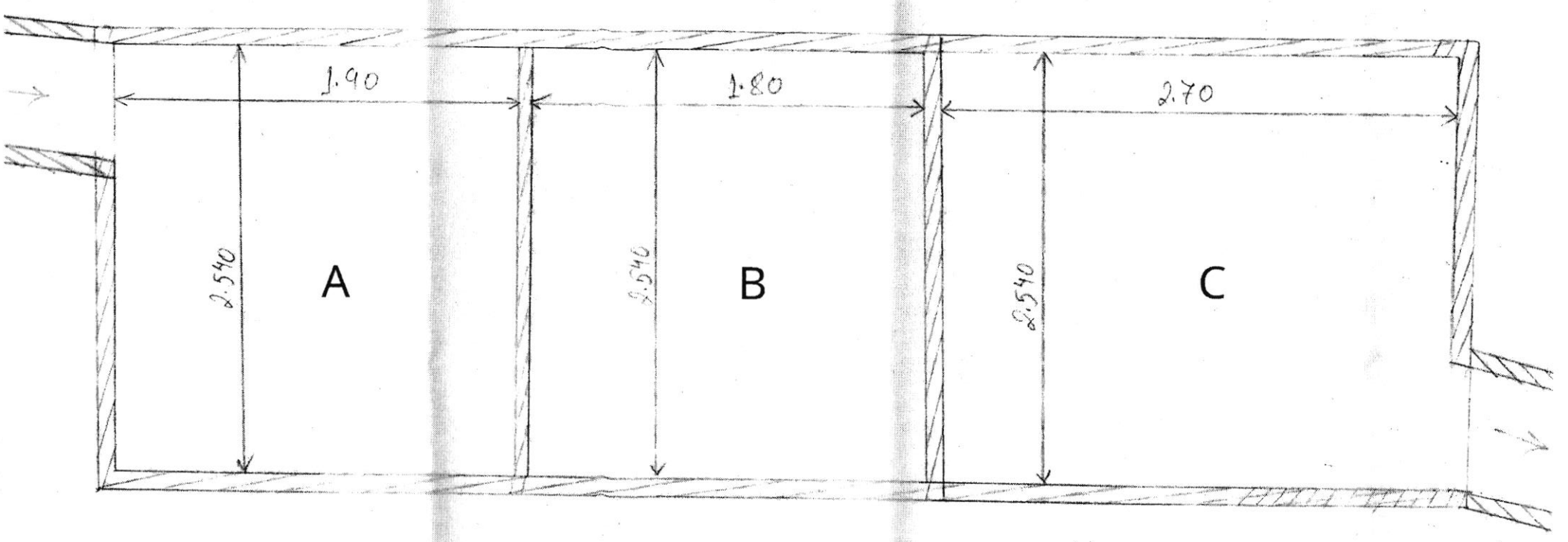


Fig 2: Flowchart depicting the AMD and the constructed Neutralisation Tank.

3. **Function:**

The water from the coal storage area results mainly from the rainfall, which later flows into the drain constructed along the four sides. Limestone is also placed along the drain to initiate the neutralisation process from the point source. The water filters as it flows to meet the Neutralisation tank and gets stored at Tank A. The water settles and flows into Tank B containing Limestone, where the turbulent water mixes and gets neutralised, then rises up to the surface and flows to Tank C, where it settles and gets discharged.

LAYOUT OF NEUTRALISATION TANK (LOCK FREE)



Ht → 2.750 mts.

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

Letter No. GVIL/MSPCB/ ENV/2019-20/01

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Please Note, we have detailed the process with drawing of the tank and annexed with the application for your kind consideration and approval. This method will also be replicated for the other areas in the future, for better treatment of drain water before discharge.

Therefore, we request you to approve the steps and measures we have taken.

Thanking you,

For Green Valliey Industries Ltd.

Pawan Joshi
(Assistant Vice President)

GREEN VALLIEY INDUSTRIES LIMITED KOLKATA GVIL

Enclosure- The detailed procedure of AMD Neutralization tanks with layout

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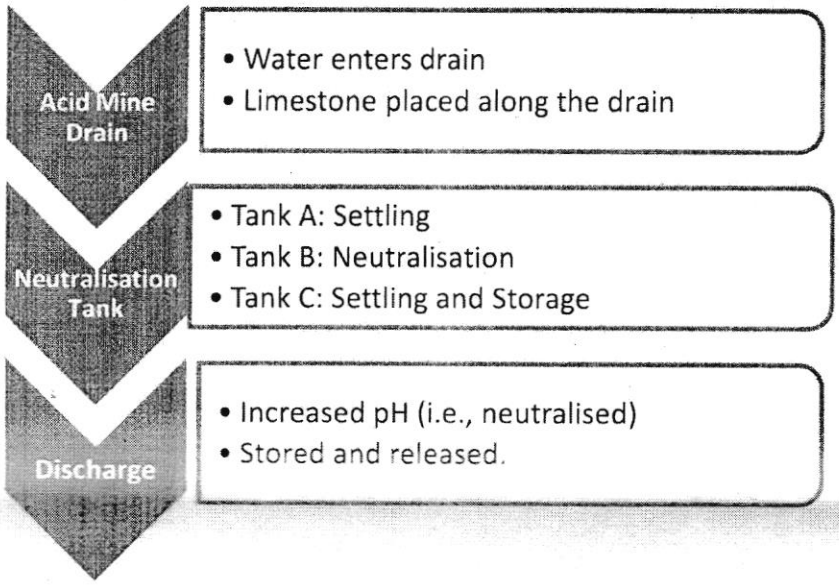
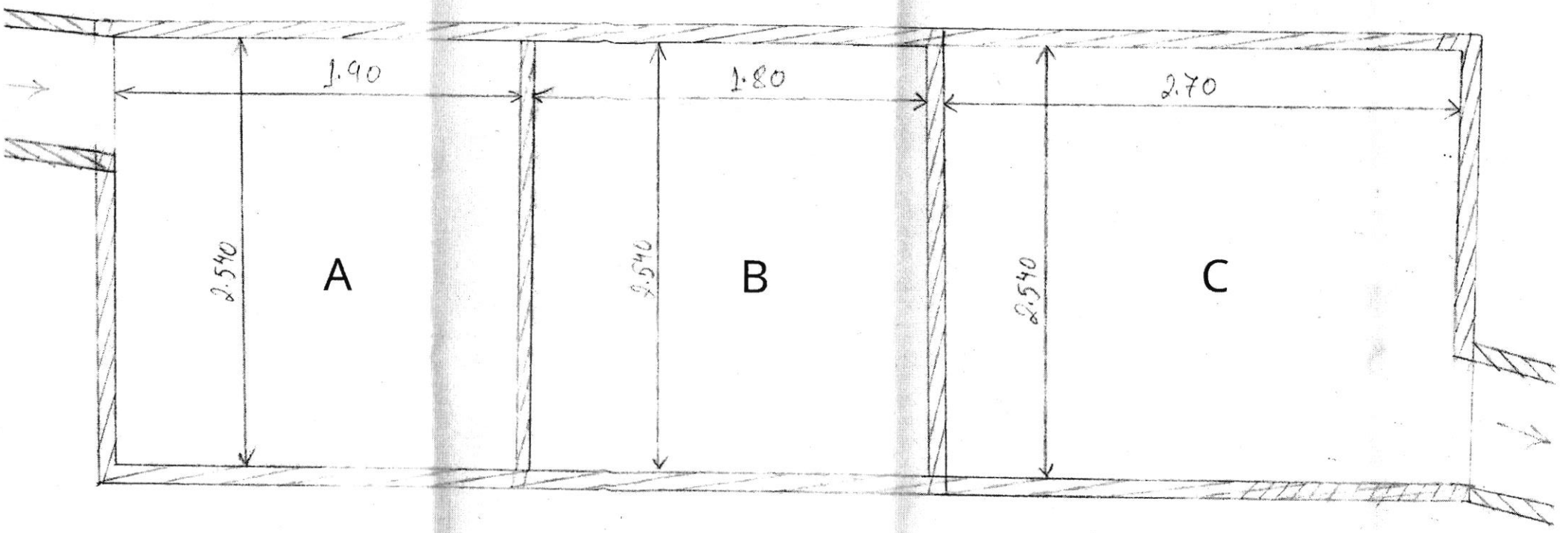


Fig 2: Flowchart depicting the AMD and the constructed Neutralisation Tank.

3. **Function:**

The water from the coal storage area results mainly from the rainfall, which later flows into the drain constructed along the four sides. Limestone is also placed along the drain to initiate the neutralisation process from the point source. The water filters as it flows to meet the Neutralisation tank and gets stored at Tank A. The water settles and flows into Tank B containing Limestone, where the turbulent water mixes and gets neutralised, then rises up to the surface and flows to Tank C, where it settles and gets discharged.

LAYOUT OF NEUTRALISATION TANK (OVER FLOW TANK)



ht → 2.750 mtr.

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
'ARDEN' LUMPYNGNGAD, SHILLONG – 793 014

No. SEIAA/PROJECT-1/2007/22 Dated Shillong, the 28th March 2009

To:

The Managing Director
M/S Green Valliey Industries Pvt. Ltd.
Village Nongsning, P.O Chiehruphi
P.S. Khliehriat, Jaintia Hills District

Sub: *Construction of Integrated Cement Plant of 1300 TPD expandable to 2600 TPD along with 2x10 MW Captive Coal Based Thermal Power Plant at Nongsning, Chiehruphi, Jaintia Hills District by M/S Green Valliey Industries (P) Ltd. – Environmental Clearance – Reg.*

Dear Sirs,

This has a reference to your application No. Green Valliey/Env/Clearance/2007 Dtd. 27-09-2007 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006; submission of EIA/EMP vide letter No. GVIPL/2/SHG/2008/105 Dtd. 10-11-2008; subsequent clarifications and submission of documents vide letter Nos. GVIPL/SHG/2/2008/87 Dtd. 03-12-2008 and GVIPL/SHG/2/2008/199 Dtd. 05-03-2009. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz. Form I, Techno-Economic Feasibility Report, Detailed Project Report, EIA, EMP and the additional clarifications furnished in response to the Terms of Reference for the purpose of carrying out the cumulative Impact Assessment issued by the State Expert Appraisal Committee.

2. It is, interalia, noted that the project involves construction of Integrated Cement Plant of 1300 TPD expandable to 2600 TPD and 2x10 MW Captive Coal based Thermal Power Plant on a plot of existing area of 40 ha. The total water requirement is 1220 M^3/day. The capacity of STP to be installed is 80 m^3/day. The power requirement is 18 MW. The total investment of the project as per appraisal is projected at Rs. 255.73 crores out of which Rs. 84.48 crores would be spent towards the Captive Power Plant.

3. The State Expert Appraisal Committee after due considerations of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have recommended for environmental clearance as per the provisions of Environmental Impact Assessment Notification – 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows: -

A. SPECIFIC CONDITIONS

In respect of the Integrated Cement Plant – Thermal Power Plant project, the following specific conditions shall be strictly complied with by the project proponent: -

i) High efficiency Electrostatic Precipitators (ESPs) shall be installed in the Thermal Power Plant to limit particulate emission to 50 mg/Nm^3.

ii) 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.

iii) Water requirement shall be met from the existing water source which would be restricted to 1220 cum/day. No ground water shall be extracted for the power plant at any stage.

iv) Closed Cycle Cooling system with induced draft cooling towers shall be provided.

v) The treated effluents shall be re-circulated and reused within the plant area. There shall be no waste water discharge outside the plant boundary.

vi) 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.

vii) Leq of Noise level in the Thermal Power Plant premises shall be limited to 75 dBA 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.

viii) Dry ash collection system shall be provided in the Thermal Power Plant. 100% ash utilization shall be ensured from the very first day of commissioning of the Thermal Power Plant.

ix) A stack of minimum 100 m 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.

x) The stack emission from various sources shall not exceed 50 mg/Nm^3.

xi) Bag House / Filters shall be provided to control the fugitive emissions during loading and unloading of raw materials / intermediate and finished products.

xii) 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.

xiii) 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.

xiv) Total water requirement shall not exceed 1220 m^3/day). The project authorities shall install sewage treatment plant of minimum 80 m^3/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^3/day shall be drawn from perennial stream of Umtiling flowing nearby and no surface runoff from the factory premises shall either reach / contaminate Um-lunar River or any other stream flowing at a site situated to the west of the industrial location.

xv) 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.

xvi) 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 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 requirement to run its industry only from such mining leases. The project proponent shall compulsory take all such steps as are necessary to discourage procurement of limestone that would tend to promote unscientific mining and consequential environmental degradation.

xvii) The project proponent shall transport raw materials and industrial products through covered means.

xviii) 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.

xix) Thirty three percent of the core project area (17 Ha) shall be developed as green belt as per the guidelines of Central Pollution Control Board to mitigate the effect 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.

xx) 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.

xxi) 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.

xxii) The project proponent shall raise conservation plots (over an area not less than 2 Ha) 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 plan shall be submitted to the monitoring agency.

xxiii) The project proponent shall sponsor research and development for conservation of threatened category of species occurring locally such *Nepenthes khasiana and Calamus khasiana* 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.

xxiv) A Plan for conservation of wild fauna in consultation with a reputed Institution such as Wildlife Institute of India, Dehdarun shall be prepared and implemented. Such conservation plan drawn in respect of wild life would be submitted to the monitoring agency within a maximum of 1 year from the date of issue of prior Environmental Clearance.

xxv) 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.

xxvi) The pollution control units / processes to be installed shall be vetted by experts from a reputed institute such as NEERI, IIT and NIT.

xxvii) 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.

B. GENERAL CONDITIONS

In respect of the Cement Plant – Thermal Power Plant project the following general conditions shall be strictly complied with by the project proponent: -

(i) The project proponent shall abide by the stipulations (as amended from time to time) of the MSPCB / State Government or any other statutory body.

(ii) No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment & 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.

(iii) The gaseous emissions (SO2, NOx) 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. 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.

(iv) The Industry shall undertake the following waste minimization measures:

- Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
- Use of closed pneumatic system for transport of fine material.
- All venting systems shall be connected with dust or particulate arresting equipments.
- Dust / particulate matter collected in pollution control equipments shall be reused.

(v) 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 State Pollution Control Boards / Central Pollution Control Board.

(vi) 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, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986, Environment (Protection) Rules, 1989 viz. dBA (day time) and 70 dBA (night time).

(vii) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended and Hazardous Waste (Management & Handing) Rules, 1989, as amended from time to time. Authorization from the MSPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.

(viii) Rainwater harvesting 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.

(x) 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 Environmental Clearance.

(x) 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.

xi) All pollution control equipment in STP shall be manned full time by trained personnel.

xii) The implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional Office, Ministry of Environment & Forests duly assisted by the SPCB. A 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.

(xiii) The project proponent will make provisions to keep stand0by spare(s) at the plant site of pollution control unit(s) / device(s) undergoing frequent wear and tear for its replacement to ensure working of the pollution control unit(s) / device(s) during operation of the cement and Thermal Power Plants.

(xiv) The project proponent will arrange to carry out regular maintenance of all the pollution control unit(s) / device(s) to ensure its efficient performance all the time.

The Regulatory Authority may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

The Regulatory Authority may on the recommendation of SEAC reserve the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions too.

The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management & Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.

MEMBER SECRETARY
State Environment Impact Assessment Authority
Meghalaya, Shillong

Memo No. SEIAA/PROJECT-1/2007/22-A Dated Shillong, the 28th March 2009

Copy to:

1. The Secretary, Department of Environment, Govt. of India, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi – 110 003.
2. The Chairman, Central Pollution Control Board, 'Parivesh Bhawan' C.B.D. Cum-Office-Complex, East Arjun Nagar, Shahdara, Delhi – 110 032.
3. The Chairman, SEIAA, Meghalaya, Shillong.
4. The Member, SEIAA, Meghalaya, Shillong.
5. The Member Secretary, Meghalaya State Pollution Control Board, 'ARDEN' Lumpyngngad, Shillong – 793 014.
6. The CCF, Regional Office, Ministry of Environment & Forests, Upland Road, Laitumkhrah, Shillong – 793 003.
7. IA – Division, Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi – 110 003.
8. Guard file.

/

MEMBER SECRETARY
State Environment Impact Assessment Authority
Meghalaya, Shillong

O/C

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

No; GVIL/ 2017-18/ENV/42

14th September, 2017

To,

The Chairman,
Meghalaya Pollution Control Board
ARDEN, LUMPYNGAD, Shillong-793014.
Meghalaya.

Subject- Direction as empowered under section 5 of the Environment (prevention) Act, 1986.

Ref; **No.MSPCB/LEGAL-93/2017/2017-18/35**

Dear Sir,

With reference to letter subject sited above, we would like to inform you that we have approached to the entire concerned agency for providing us information on Refused Derived Fuel (RDF) with High calorific waste for our industries as feeding element, within the **100 KM** area of the plant location.

This is for your information and record please.

Thanking You,

For Green Valliey Industries Ltd.

Pawan Kumar Joshi

General Manager

Enclosure; Letter copy

MEGHALAYA POLLUTION CONTROL BOARD * SHILLONG *
15/09/17

Guwahati Office : 4th Floor, LB Plaza, G. S. Road, Bhangagarh, Guwahati - 781 005, **T** +91 361 2465481 / 82 / 83 / 84
Regd. Office and Plant : Vill. Nongsning, P.O. Cniehruphi, PS. Khliehriat, Dist. Jaintia Hills , Meghalaya - 793 200
Group Corporate Office : 602 'LORDS' 7/1 Lord Sinha Road, Kolkata - 700 071, **T** +91 33 22827367 / 7368, **F** +91 33 22828307
E : info@greenvalliey.com

A GNG GROUP COMPANY

O/C

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

NO; GVIL/2017-18/ENV/33

20th July, 2017

SP JOWAI MDG <793150>
GSTN No: AAALS5131QSD002
EE470863689IN
Counter No:1,OP-Code:JEFF
To:CHAIRMAN,JOWAI MUNICIPAL BOAR
JOWAI, PIN:793150
From:GREEN VALLEY IND LTD , KHLIEHRIAT
Wt:20grams, ,09/08/2017 ,12:33
Amt:41.00EDD(If not a holiday):00:00:00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>

भारतीय डाक
India Post

To,

The Chief Executive Officer,
Shillong Municipal Board,
Bishop Cotton Road,
Shillong -793001
Meghalaya

Sub: Requirement of High Calorific Value Hazardous Waste and Refuse –derived fuel (RDF) for industrial use

Dear Sir,

We would like to inform you that with the judgment order pronounced by NGT on 22nd December, 2016 in the original application no. 199 of 2014, it is mandatory to use the High Calorific Value Hazardous Waste and Refuse –derived fuel (RDF) in our industries as a feeding element, which is to be present within the **100 KM** area of plant location.

In this order, we request you to inform us with the availability of any such type of feeding element along with quantity and delivery price at Green Valliey Industries Ltd. site from your end as soon as possible.
Thanking You,

Yours faithfully,
For Green Valliey Industries Ltd.

Pawan Joshi
(General Manager)

Copy to: The Addl Chief Secretary to the Government of Meghalaya, Forest & Environment Dept.
The Chief Secretary to the Government of Meghalaya, Industries Dept.
The Addl PCCF (S&F) Meghalaya
The Director of Urban Affairs, Meghalaya
The Director of Industries, Meghalaya
The Deputy Commissioner East Khasni Hills
The Jowai Municipal Board
The Managing Director, Meghalaya Industries Development Corporation (MIDC)
The MSPC B Shillong

(S&F) 24/7/17

M.I.D.C. LTD. FEILLONG
24/7/17

OFFICE OF THE DIRECTOR OF URBAN AFFAIRS MEGHALAYA SHILLONG
24/7

24/7/17
Additional Chief Secretary
Government of Meghalaya

24/7/17

SHILLONG MUNICIPAL BOARD SHILLONG
24/7/17

Guwahati Office: 4th Floor, LB Plaza, G. S. Road, Bhangagarh, Guwahati - 781 005, T +91 361 2465481 / 82 / 83 / 84
Regd. Office and Plant : Vill. Nongsning, P.O. Chiehruphi, PS. Khliehriat, Dist. East Jaintia Hills, Meghalaya - 793 210
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E : info@greenvalliey.com

A GNG GROUP COMPANY

Green Valliey Industries Ltd.

Plantation Details, as on September 2020.

Location	Total Plantation area	Plantation area completed
Colony	51540 m^2	54861.00 m^2
Old Magazine	13976 m^2	2464.00 m^2
Admin Block	------	174.00 m^2
Behind CCR	-----	230.00 m^2
HOD Block	90333 m^2	90333.00 m^2
Behind Crusher	15268 m^2	-----
Total Area (2017)	1,71,117 m^2	148062.00 m^2 = **14.81 ha**
WED Plantation 5th June 2019:		
Behind Er. Block		427.00 m^2 = **0.043 ha**
WED Plantation 5th June 2020:		
Near Pump house		241.43 m^2 = **0.024 Ha**
Founder's Day (13th August 2020) & Independence Day (15th Aug 2020)		
Near NH-6, HOD Road, near Airtel Tower and New Village road		3995.909 m^2= **0.4 Ha**
Total in Ha (2020)	**17.11 ha**	**15.28 ha**

Updated by,

Lohe Edeihrii,
Environment Executive.

Verified by,

Rupesh Mishra,
Manager EHS.

Green Valliey Industries Ltd.

Plantation Details.

Location	Plantation area
Colony	54861.00 m^2
Old Magazine	2464.00 m^2
Admin Block	174.00 m^2
Behind CCR	230.00 m^2
HOD Block	90333.00 m^2
Behind Crusher	-----
Total Area (2017)	148062.00 m^2 = **14.81 ha**
WED Plantation 5th June 2019:	
Behind Er. Block	427.00 m^2 = **0.043 ha**
WED Plantation 5th June 2020:	
Near Pump house	241.43 m^2 = **0.024 Ha**
Founder's Day (13th August 2020) & Independence Day (15th Aug 2020)	
Near NH-6, HOD Road, near Airtel Tower and New Village road	3995.909 m^2= **0.4 Ha**
Founder's Day (13th August 2021)	
Near Truck Parking lot	1156.500 m^2= **0.12 Ha**
Total Plantation Area	**15.40 Ha**

Updated by,

Lohe Edeihrii,
Environment
Executive.

Verified by,

GREEN VALLIEY INDUSTRIES LTD. Meghalaya

Rupesh Mishra,
Manager EHS.

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

No: GVIL/ENV/SEIAA/SC/2019-20/01 **Dated: 6th December, 2019**

To,
The Chairman,
State Environment Impact Assessment Authority,
Silviculture Building, Lower Lachumiere,
Shillong- 793001

Subject: Compliance of Environmental Conditions- for your intervention

Ref: No. **GVIL/ENV/2019-20/01** dated 14th September 2019, **GVIL/ENV/2019-20/02** dated 12th September 2019 and **SEIAA/PROJECT-1/2007/22** dated 28th March 2009

Dear Sir,

With reference to the subject and the referred letter, this is to draw your kind attention of the actions we have taken in fulfillment of our Environmental Compliances as below:

Sl. No	Specific Condition,	Action taken
1	**No. XXIV:** *"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."*	Approached **WII** vide our letter No. **GVIL/ENV/2019-20/01** dated 14th September 2019, **GVIL/ENV/2018-19/91** dated 22nd November 2018 and **GVIL/ENV/2017-18/68** dated 14th March 2018, but we have not received any response from their end. (Annexure-A)
2	**No. XXVII:** *"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."*	Approached **Assam University** vide our letter No. **GVIL/ENV/2019-20/02** dated 12th September 2019 and **GVIL/ENV/2015-16/007** dated 2nd May 2016, but we have not received any response from their end. (Annexure-B)

Thus we seek for your intervention and assistance in accomplishing the compliances and also as a responsible citizen to safeguard and preserve our environment. We shall be grateful to your honorable Office for your continual support and guidance.

Thanking you,
For Green Valliey Industries Limited,

Authorised Signatory,
Pawan Kumar Joshi
(Assistant Vice President)

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
Receipt No.....
★ MEGHALAYA, SHILLONG ★

GNG GROUP

Guwahati Office: 4th Floor, LB Plaza, G.S. Road, Bhangagarh, Guwahati-781 005, **T** +91 361 2465481 / 82 / 83 / 84
Regd. Office & Plant: Vill. Nongsning, P.O. Chiehruphi, PS. Khliehriat, Dist. Jaintia Hills, Meghalaya-793 200
Group Corporate Office: 602 'LORDS' 7/1, Lord Sinha Road, Kolkata-700 071, **T** +91 33 22827367 / 7368 **F** +91 33 22828307
E : info@greenvalliey.com

A GNG GROUP COMPANY

ANNEXURE-A

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

No. GVIL/ENV/2019-20/01

14th September, 2019

To,

Wildlife Institute of India,
Chandrabani, Mehu Wala Mafi,
Dehradun, Uttarakhand- 248001

Subject: A plan for conservation of wild fauna- reg

Reference: Letter No. **GVIL/ENV/2017-18/68** dated 14th March, 2018 and **SEIAA/PROJECT-1/2007/22** dated 28th March, 2009 (enclosed)

Dear Sir,

With reference to the subject and the referred letter, we invite your esteemed involvement in the preparation of "**a plan for conservation of wild fauna**" as per the **Specific Condition**, (**No. XXIV:** *"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."*), issued by the **SEIAA** where your prestigious Institute was recommended.

We have been constantly following the matter with your institute and anticipating for your support and update regarding the same.

Kindly guide us to comply the conditions laid down by honorable **SEIAA in respect to Environment Protection,** we are ready to cooperate and hear from you.

Your response in this regard will be highly appreciated.

Thanking you,

For Green Valliey Industries Ltd.

Pawan Joshi
(Assistant Vice President)
Mob- 96120500394
Email- pawan.joshi@greenvalliey.com

MINISTRY OF ENVIRONMENT FOREST & REGIONAL OFFICE SHILLONG GOVT. OF INDIA

23/9/19

Copy to: **The Regional Office** (NER), Ministry of Environment, Forest & Climate Change, Shillong (**For your intervention**)
The Member Secretary, State Environment Impact Assessment Authority, Shillong.

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY MEGHALAYA SHILLONG Receipt No. 23/9/19

GNG GROUP
Guwahati Office: 4th Floor, LB Plaza, G.S. Road, Bhangagarh, Guwahati-781 005, T +91 361 2465481 / 82 / 83 / 84
Regd. Office & Plant: Vill. Nongsning, P.O. Chiehruphi, PS. Khliehriat, Dist. Jaintia Hills, Meghalaya-793 200
Group Corporate Office: 602 'LORDS' 7/1, Lord Sinha Road, Kolkata-700 071, T +91 33 22827367 / 7368 F +91 33 22828307
E : info@greenvalliey.com

A GNG GROUP COMPANY

O/C

Green Valliey Industries Limited

No: GVIL/ENV/2018-19/91 CIN NO.: U26942ML2007PLC008273

22nd November, 2018

To,
Wildlife Institute of India,
Chandrabani, Mchu Wala Mafi,
Dehradun, Uttarakhand 248001

Sub: A Plan for Conservation of wild life

Ref: Our Letter No. GVIL/ENV/2017-18/68, dated 14th March, 2018

Dear Sir,

This is to inform you that we have received Environmental Clearance from State Environment Impact Assessment Authority wide their letter No: SEIAA/PROJECT-1/2007/22 dated 28th March, 2009 with condition to be complied.

Whereas as per the Specific Condition No. (XXIV) mentioned in the letter No. SEIAA/Project-1/2007/22 dated 28th March, 2009, **"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."**

Please Note, we have already approached your office through our letter No. GVIL/ENV/2017-18/68, dated 14th March, 2018. In this regard, we request to you to kindly guide us the procedure for doing such studies,

Your early response in this regards is highly appreciated.

For Green Valliey Industries Limited

Authorized Signatory
Pawan Kumar Joshi
(Asst.Vice President)
Email-pawan.joshi@geenvalliey.com.

Mob- 9612050394

GREEN VALLIEY INDUSTRIES LTD.

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

26/11/18

Enclosed: A copy of Letter from SEIAA

Copy to: The Regional office (NER), Ministry of Environment, Forest & Climate Change. Shillong (For your intervention)

Guwahati Office : 4th Floor, LB Plaza, G. S. Road, Bhangagar Gu
Regd. Office and Plant : Vill. Nongsning, P.O. Cniehruphi, F
Group Corporate Office : 602 'LORDS' 7/1 Lord Sinha Road, Kolka
E : info@greenv ey.c
A GNG GROUP (

भारतीय डाक
India Post

U/C

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

No: GVIL/ENV/2017-18/68

14th March, 2018

To,
Wildlife Institute of India,
Chandrabani, Mehu Wala Mafi,
Dehradun, Uttarakhand 248001

Sub: A plan for conservation of wild fauna-reg

Dear Sir,

With reference to specific condition No. (XXIV) in our environment clearance issued by SEIAA wide letter No. SEIAA/PROJECT-1/2007/22 dated 28th March, 2009 which says, "A plan for conservation of wild fauna in consultation with a reputed institute such as Wildlife Institute of India, Dehradun shall be prepared and implemented".

In this regard, we request you to kindly guide us the procedure for doing such studies.

Your early response in this regards is highly appreciated.

Thanking You,

For **Green Valliey Industries Ltd.**

Pawan Joshi
(Assistant Vice President)
Mob-9612050394
Email-pawan.joshi@greenvalliey.com

Copy to:

The Regional Office (NER), Ministry of Environment, Forest & Climate Change, Shillong **(For your intervention)**

MINISTRY OF ENVIRONMENT CLIMATE GOVT. OF INDIA Rajiv Kr. Singh 16/3/18

Guwahati Office : 4th Floor, LB Plaza, G. S. Road, Bhangagarh, Guwahati - 781 005, **T** +91 361 2465481 / 82 / 83 / 84
Regd. Office and Plant : Vill. Nongsning, P.O. Cniehruphi, PS. Khliehriat, Dist. Jaintia Hills , Meghalaya - 793 200
Group Corporate Office : 602 'LORDS' 7/1 Lord Sinha Road, Kolkata - 700 071, **T** +91 33 22827367 / 7368, **F** +91 33 22828307
E : info@greenvalliey.com

A GNG GROUP COMPANY

ANNEXURE - B

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

O/c

No. GVIL/ENV/2019-20/02

12th September, 2019

To,

The Director,
Centre of Biodiversity and Natural Resource Conservation,
Assam University,
Silchar, Assam -788011.

Subject: Impact on biodiversity component of the project- reg

Reference: Letter No. **GVIL/ENV/2015-16/07** dated 2nd May, 2016 and **SEIAA/PROJECT-1/2007/22** dated 28th March, 2009 (both enclosed).

Dear Sir,

With reference to the subject and the referred letter, we invite your esteemed University to organize and send your specialists to monitor the impact of our project on the biodiversity as per the **Specific Condition, (No. XXVII:** *"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."*), mentioned in our Environment Clearance issued by the **SEIAA**.

We have been constantly following the matter with your institute and anticipating for your support and update regarding the same.

Kindly guide us to comply the conditions laid down by honorable **SEIAA in respect to Environment Protection,** we are ready to cooperate and hear from you.

Your response in this regard will be highly appre[illegible]ated.

Thanking you,

For Green Valliey Industries Ltd.

Pawan Joshi
(Assistant Vice President)
Mob- 96120500394
Email- pawan.joshi@greenvalliey.com

MEGHALAYA STATE POLLUTION CONTROL BOARD
23/09/19

MINISTRY OF ENVIRONMENT FOREST & REGIONAL OFFICE SHILLONG
23/9/19

Copy to: **The Chairman, MSPCB**
The Regional Office (NER), Ministry of Environment, Forest & Climate Change, Shillong

GNG GROUP

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E : info@greenvalliey.com

A GNG GROUP COMPANY

MAX CEMENT
MAXIMUM KI GUARANTEE

Ref: GVIL/ENV/2015-16/007

Date 2nd May, 2016

To

The Director

Centre of biodiversity and Natural Resource Conservation,

Assam Research,

Silchar

Sub: Impact on biodiversity component of the project

Dear Sir,

With reference to specific condition No. (XXVII) In our environment clearance issued by SEIAA wide letter No. SEIAA/PROJECT-1/2007/22 dated 28th March, 2009 which says, "The project proponent shall ensure monitoring of bio-diversity component at the interval of every five years by an independent expert agency to assess the impact of the project there upon. "

In this regard, we request you to kindly let us know the terms and condition for doing such studies.

Your early response in this regards is highly appreciated.

For Green Valliey Industries Ltd.

GREEN VALLIEY INDUSTRIES LIMITED KOLKATA GVIL

Authorized Signatory

Copy : To The Chairman MSPCB

To the Regional Office (NER), Ministry of Environment, Forests & Climate Change Shillong

MEGHALAYA STATE POLLUTION CONTROL BOARD SHILLONG

Green Valliey Industries Limited
CIN - U26942ML2007PLC008273
Regd Office and Plant : Village Nongsning, PO Chiehruphi, PS Khliehriat, Dist Jaintia Hills, Meghalaya 793200
Group Corporate Office : 209 & 211, 2nd Floor 'LORDS', 7/1 Lord Sinha Road, Kolkata - 700 071 T +91 33 22827367 / 7368 F +91 33 22828307
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Email : info@greenvalliey.com Site : www.maxcement.co.in

Copy

MAX CEMENT
MAXIMUM KI GUARANTEE

Ref: GVIL/ENV/2015-16/010

To

Date 9th May, 2016

The Chairman,

Meghalaya State Pollution Control Board,

"ARDEN "LUMPYNGNGAD ,

Shillong -793014

Sub: Expenditure incurred for Socio- Economic Development under CSR

Dear Sir,

Please find below the detail of expenditure made towards Economic Development of the area for financial year 2015-16.

S. No.	Particulars	Amount (Rs.)
1	Emphasis on Education	53,000
2	Sports activity awareness campaign and funding	86,200
3	Polio Immunization Camps, Family planning, Medical support etc.	59,560
4	Infrastructure development of Hospitals/ School	15,000
5	Cement distribution for churches & Road repairing etc.	194,896
6	Village development fund	1,050,000
	Grand total	**1,458,656**

For Green Valliey Industries Ltd.

Authorized Signatory

GREEN VALLIEY INDUSTRIES LIMITED, KOLKATA GVIL

Copy To: The Member Secretary SEIAA

To the Regional Office (NER), Ministry of Environment, Forests & Climate Change Shillong

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY MEGHALAYA, SHILLONG

Green Valliey Industries Limited

CIN - U26942ML2007PLC008273

Regd Office and Plant : Village Nongsning, PO Chiehruphi, PS Khliehriat, Dist Jaintia Hills, Meghalaya 793200
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Email : info@greenvalliey.com Site : www.maxcement.co.in

A GVG GROUP COMPANY

DEPARTMENT OF CIVIL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
(An Institute of National Importance)

CECON THE CONSULTANCY CELL

P.O. - Silchar-788 010, Cachar (Assam) FAX 03842-224797 Telephone (HOD) 03842-242910

No. CECON/2018/60/F-2/43 Dated Silchar 09.05.2018

Ref. Letter No. Nil Dated 07.3.2018

Vetting Report of Pollution Control Unit at Max Cement plant, Green Valliey Industries Ltd.at village Nongsning, East Jaintia Hills, Meghalaya

A team from NIT Silchar visited the Max Cement plant, Green Valliey Industries Ltd. at village Nongsning, East Jaintia Hills, Meghalaya for the physical inspection for the pollution control units installed at the cement plant on 24th March 2018.

It was physically observed that all the pollution control bag filter bags installed in Coal Mill, Cement Mill, LS Crusher and Packing plant sections were functioning properly whereas the two major pollution control units required for Cement Plant specifically Electrostatic Precipitator (ESP) andReverse Air Baghouse (RABH) were operating successfully.

Both ESP and RABH are supplied by Thermax Ltd. (Enviro Division), Pune and installed by Walchandnagar Industries Ltd. in the year 2008 – 2009.

The specification and capacity of Pollution Control devices is sufficient for arresting dust as per the design capacity of the Mills in the reference to manual.

(Dr Upendra Kumar)

MIE, FICER
MCE (Jadavpur University), PhD (IIT Kharagpur)
Specialization: Environmental Engineering
Associate Professor & Head of Department
Department of Civil Engineering,
National Institute of Technology Silchar
NIT Silchar-788010, Cachar, Assam

Head of the Department
Civil Engineering,
NIT Silchar - 10

MEGHALAYA STATE POLLUTION CONTROL BOARD

Forests & Environment Department
GOVERNMENT OF MEGHALAYA
'ARDEN', LUMPYNGNGAD, SHILLONG - 793014
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Website : http://megspcb.gov.in

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2521533
2522726
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No. MPCB/ATH-34/2011/2017-2018/ 9 Dated Shillong, the 7th December, 2017

FORM – 2
[See Rule 6(2]

FORM FOR RENEWAL OF AUTHORIZATION BY MEGHALAYA STATE POLLUTION CONTROL BOARD, SHILLONG FOR OCCUPIERS, REPROCESSORS, REUSERS, USERS AND OPERATORS OF FACILITIES FOR COLLECTION, RECEPTION, TREATMENT, STORAGE, TRANSPORT AND DISPOSAL OF HAZARDOUS WASTE UNDER THE HAZARDOUS & OTHER WASTE (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016

M/s GREEN VALLIEY INDUSTRIES LTD. is hereby granted Authorization to operate a facility for collection, storage and disposal of hazardous waste on its premises situated at Nongsning, East Jaintia Hills District, Meghalaya with reference to Application No. GVIL/MSPCB/MR/2016-2017/18 dated 05.01.2017.

The Authorization is granted / renewed to operate a facility for collection, storage and disposal of hazardous waste is in accordance to the hazardous waste management matrix as specified below:-

HAZARDOUS WASTE MANAGEMENT MATRIX

Sl. No.	Hazardous Waste	Quantity	Collection	Reception	Treatment	Transport	Storage	Disposal
1.	Spent/Used Oil	2.00 KL/Annum	✓	X	X	X	✓ Leak proof containers	✓ Sale/auction to registered recycler/refiner

The Authorization shall be in force for a period of **5(five) years, upto 31st January 2022**.

The Authorization is subject to the conditions stated below and such conditions as may be specified in the Rules for the time being in force under the Environment (Protection) Act, 1986.

TERMS AND CONDITIONS:

1. The Authorization shall comply with the provisions of the Environment (Protection) Act and Rules made there under.
2. The Authorization shall be produced for inspection at the request of an officer authorized by the Meghalaya State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous waste without obtaining prior permission of the Meghalaya State Pollution Control Board.
4. Any unauthorized change in personnel, equipment and working condition as mentioned in the application by the person authorized shall constitute a breach of this Authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages,

MEGHALAYA STATE POLLUTION CONTROL BOARD
Forests & Environment Department
GOVERNMENT OF MEGHALAYA
ARDEN', LUMPYNGNGAD, SHILLONG - 793014
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Website : http://megspcb.gov.in
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2521533
2522726
0364 - 2521764

leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorization shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

MEMBER SECRETARY
Meghalaya State Pollution Control Board,
Shillong

Memo No. MPCB/ATH-34/2011/2017-2018/ Dated Shillong, the December, 2017

Copy to:-

1. The Director of Commerce and Industries, Govt. of Meghalaya, Shillong for kind information.
2. **M/s GEREN VALLIEY INDUSTRIES LTD.**, Village Nongsning, P.O. Lumshnong, East Jaintia Hills District, Meghalaya for information and necessary action.

ENVIROCON
Recognised By
Pollution Control Board, Assam

Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam – 786 171
Ph: 03751-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GVIL/21-22/AA-09/01
Date : 08/10/2021

Order No.: 3600001518
Date : 01/05/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m³)	PM 10 (µg/m³)	SO_2 (µg/m³)	NO_2 (µg/m³)
	LIMIT(S) →	**---**	**60**	**100**	**80**	**80**
01	Near Guest House	22.09.2021	25.2	46.5	6.2	6.9
02	Near DM Plant	22.09.2021	28.9	49.2	7.8	8.3
03	Staff Colony	23.09.2021	23.7	44.8	5.4	5.9

Analysis Protocol: IS 5182

ENVIROCON Digboi Assam Recognized by Pollution Control Board, Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

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Recognised By
Pollution Control Board, Assam

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E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GVIL/21-22/SE-09/01
Date : 08/10/2021

Order No.: 3600001518
Date : 01/05/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/21-22/SE-09/01
02	Date of Sampling	22.09.2021
03	Material of Construction	M. S.
04	Stack Attached To	Primary Crusher
06	Flue Gas Temperature (^{0}C)	27
07	Exit Velocity of Gas (m/sec)	4.2

Analysis Results of Flue Gas

Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	18	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	BDL*	mg/Nm^3	700
iii.	Oxides of Nitrogen (as NO_x)	BDL*	mg/Nm^3	600

***BDL: Below Detection Level**

ENVIROCON Digboi Assam Recognized by Pollution Control Board, Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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ISO 45001:2018 Certified

Report No.: ENV/GVIL/21-22/SE-09/02
Date : 08/10/2021

Order No.: 3600001518
Date : 01/05/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/21-22/SE-09/02		
02	Date of Sampling	22.09.2021		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
06	Flue Gas Temperature (°C)	61		
07	Exit Velocity of Gas (m/sec)	14.2		
Analysis Results of Flue Gas				
Sl. No.	**Parameter(s)**	**Result(s)**	**Unit(s)**	**Limit(s)**
i.	Particulate Matter	27	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	BDL*	mg/Nm^3	700
iii.	Oxides of Nitrogen (as NO_x)	BDL*	mg/Nm^3	600

***BDL: Below Detection Level**

ENVIROCON Recognized by Pollution Control Board, Assam Digboi Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/GVIL/21-22/SE-09/03
Date : 08/10/2021

Order No.: 3600001518
Date : 01/05/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/21-22/SE-09/03		
02	Date of Sampling	22.09.2021		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
06	Flue Gas Temperature (^{0}C)	221		
07	Exit Velocity of Gas (m/sec)	16.3		
Analysis Results of Flue Gas				
Sl. No.	**Parameter(s)**	**Result(s)**	**Unit(s)**	**Limit(s)**
i.	Particulate Matter	24	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	BDL*	mg/Nm^3	700
iii.	Oxides of Nitrogen (as NO_x)	BDL*	mg/Nm^3	600

***BDL: Below Detection Level**

ENVIROCON Digboi Assam Recognized by Pollution Control Board, Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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ISO 45001:2018 Certified

Report No.: ENV/GVIL/21-22/SE-09/04
Date : 08/10/2021

Order No.: 3600001518
Date : 01/05/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/21-22/SE-09/04		
02	Date of Sampling	23.09.2021		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill B. F.		
06	Flue Gas Temperature (°C)	51		
07	Exit Velocity of Gas (m/sec)	16.4		
Analysis Results of Flue Gas				
Sl. No.	**Parameter(s)**	**Result(s)**	**Unit(s)**	**Limit(s)**
i.	Particulate Matter	26	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	231	mg/Nm^3	700
iii.	Oxides of Nitrogen (as NO_x)	137	mg/Nm^3	600

ENVIROCON Recognized by Pollution Control Board, Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/GVIL/21-22/SE-09/05
Date : 08/10/2021

Order No.: 3600001518
Date : 01/05/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/21-22/SE-09/05
02	Date of Sampling	23.09.2021
03	Material of Construction	M. S.
04	Stack Attached To	R. A. B. H.
06	Flue Gas Temperature (°C)	186
07	Exit Velocity of Gas (m/sec)	16.7

Analysis Results of Flue Gas

Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	348	mg/Nm^3	700
iii.	Oxides of Nitrogen (as NO_x)	204	mg/Nm^3	600

ENVIROCON Digboi Assam Recognized by Pollution Control Board, Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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ISO 45001:2018 Certified

Report No.: ENV/GVIL/21-22/N-09/01
Date : 08/10/2021

Order No.: 3600001518
Date : 01/05/2021

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**
Village: Nongsning, P.O.: Chiehruphi, P. S.: Khaliehriat, East Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			L_{eq} (dB-A)	Limit (dB-A)	L_{eq} (dB-A)	Limit (dB-A)
1	Near Main Gate	22.09.2021	69.3	75	53.3	70
2	Staff Colony	22.09.2021	48.7	55	39.5	45

ENVIROCON Recognized by Pollution Control Board Assam

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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