

Green Valliey Industries Limited

CIN NO.: U26942ML2007PLC008273

23rd December 2022

No: GVIL/ENV/SC/2022-23/02

To,

**The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (NEZ),
Law-U-Sib, Lumbatnngen, 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 2022 to September 2022 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:

- Status of Compliance Report for the period April 2022 to September 2022
- Ambient Air Monitoring Report. (Annexure-I)
- Stack Monitoring Report. (Annexure-II)
- Noise Level Monitoring Report. (Annexure-III)
- Fugitive Emission Monitoring Report (Annexure- IV)
- Work Zone Monitoring Report (V)
- Annexures as listed.



Copy to:

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



Guwahati Office: 4th Floor, LB Plaza, G.S. Road, Bhangagarh, Guwahati-781 005, T +91 361 2465481 / 821 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

Status of compliance of Environment stipulations as set by SEIAA for
M/S GREEN VALLIEY INDUSTRIES LTD.
for the period April 2022 to September 2022.

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 .	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Water Consumption is below 1220 m³/day, for which we send the returns to MSPCB on monthly basis and No ground water is being extracted.
4.	Closed cycle cooling system with induced draft cooling towers shall be provided.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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 as Annexure- III)
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.	<ul style="list-style-type: none"> • We have not established Thermal power plant, hence no generation of Dry ash.
9.	A stack of minimum 100m height shall be provided with continuous on-line monitoring system in respect of Thermal Power Plant considering the dispersion sensitivity and geographical location of the plant. The data collected shall be analyzed and submitted regularly to the Meghalaya State Pollution control Board and SEIAA.	<ul style="list-style-type: none"> • We have not commissioned Thermal Power Plant.
10.	The stack emission from various sources shall not exceed 50mg/Nm ³	<ul style="list-style-type: none"> • The revised target of 30mg/Nm³ is being followed strictly. The stacks have been connected to OCEMs (Attached Stack Monitoring Report as Annexure-II).
11.	Bag house/ filters shall be provided to control the fugitive emissions during loading and unloading of raw materials/intermediate and finished products.	<ul style="list-style-type: none"> • Bag house/ filters have been provided to control the fugitive emissions at vulnerable areas of the Plant. (Attached Fugitive Emission Monitoring Report as Annexure-IV)



12.	<p>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).</p> <p>b) The project proponent shall construct garland drains along with AMD Neutralisation tanks, in consultation with and approved by the SPCB</p> <p>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.</p>	<ul style="list-style-type: none"> • 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 waiting for approval from MSPCB. We are also monitoring and testing the water from the outlet to ensure it efficiency.
13.	<p>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.</p>	<ul style="list-style-type: none"> • 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.	<p>Total water requirement shall not exceed 1220 m³/day. The project authorities shall install sewage treatment plant of minimum 80 m³/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 m³/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.</p>	<ul style="list-style-type: none"> • 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.	<p>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.</p>	<ul style="list-style-type: none"> • 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.	<p>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.</p>	<ul style="list-style-type: none"> • 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 :- <ol style="list-style-type: none"> 1. Madan Pyrda Block -I (4.89 Ha.) - Mining Plan Approved, EC granted, Final Approval for Forest Clearance has obtained. Mining Lease Deed is executed. 2. Madan Pyrda Block -II (10.71 Ha.) - ORDER / LOI (Letter of Intent) obtained. All other clearances such as Mining Plan, Forest Clearance, EC etc. are under process. 3. Surve - Larung (44.58 Ha.) - ORDER / LOI (Letter of Intent) obtained. All other clearances such as Mining Plan, Forest Clearance, EC etc. are under process.
17.	<p>The project proponent shall transport raw materials and industrial products through covered means.</p>	<ul style="list-style-type: none"> • All raw materials and industrial products are transported through covered means.
18.	<p>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.</p>	<ul style="list-style-type: none"> • Securing of Non - Forest Certificate for the core project area from Principal Conservator of Forest, Meghalaya is under process.
19.	<p>Thirty three percent of the core project area (17ha) shall be developed as green belt as per the guidelines of central pollution control board to mitigate the effects of fugitive emission. The program ought to be completed within 5 years from the date of issue of prior Environmental Clearance adhering to time and cost schedule detailed by the project proponent through incurring and expenditure of Rs. 9.5 Lakhs as stated by him.</p>	<ul style="list-style-type: none"> • The company has developed 15.42 Ha as green belt and remaining plantation work is in progress. (Annexure- 5)



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.	<ul style="list-style-type: none"> • 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 Ambulance facility 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Mist Chamber constructed (in consultation with Botanical Survey of India, Shillong). Further development and upgradation in progress. (Attached photograph as Annexure-6)
23.	The project proponent shall sponsor research and development for conservation of threatened category of species occurring locally such as <i>Nepenthes khasiana</i> and <i>Calamus khasiana</i> to be carried out by an appropriate research or academic institution located in Meghalaya within a year of issue of prior Environmental Clearance. The research project shall be instituted at an expenditure of a minimum of Rs. 5 lakhs per year spread over at least 3 years.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • We have approached Wild life Institute of India for plans for conservation of Wild life fauna as per your recommendation. We are in consultation to comply and implement.



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.	<ul style="list-style-type: none"> We are playing our part in support towards economic development of the area, attached expenditures in previous 3 Financial Years. (Annexure- 8)
26.	The pollution control units/processes to be installed shall be vetted by experts from a reputed institute such as NEERI, IIT and NIT.	<ul style="list-style-type: none"> The installed pollution control units/processes have been vetted by experts from NIT (Annexure- 9)
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.	<ul style="list-style-type: none"> 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- 7)

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.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> GVIL will follow the guidelines.
3.	The gaseous emissions (SO ₂ , NO _x) 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.	<ul style="list-style-type: none"> We have installed online SO₂, NO_x analyzers and are maintaining the emission under prescribed limit and online data is being submitted to MSPCB and CPCB on regular basis.



4.	<p>The industry shall undertake the following waste minimization measures:</p> <ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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 equipments are being reused.
5.	<p>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.</p>	<ul style="list-style-type: none"> • Fugitive emission tests and Work Zone Monitoring are being carried out, which conforms to the limits imposed by SPCB/ CPCB. Attached as (Annexure- IV and V).
6.	<p>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)</p>	<ul style="list-style-type: none"> • Acoustic hoods, Silencers have been provided and the noise level is being maintained under the prescribed limit.
7.	<p>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.</p>	<ul style="list-style-type: none"> • Complied. Authorization from the MSPCB has been obtained for collection, storage and disposal of hazardous wastes, attached as and Other Waste (Annexure-10).
8.	<p>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.</p>	<ul style="list-style-type: none"> • Complied. Rainwater harvesting and ground water recharge structures have been set up and practiced, in consultation with Central Ground water Authority/ State Ground Water Board, (Annexure- 1).



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.	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • We maintain spares for Reverse Air Bag House and also spares for Filter Bags of 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.	<ul style="list-style-type: none"> • Our maintenance team is regularly monitoring the pollution control devices to keep the pollution control equipment in good condition and ensure efficient 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.	<ul style="list-style-type: none"> • 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.



Annexure-1

o/c

Green Valliey Industries Limited

5th May, 2018

CIN NO.: U26942ML2007PLC008273

To,
Shri Tapan Chakraborty,
Scientist "C"
Central Ground Water Board,
Opposite Assam Secretariat Building,
Keating Road Shillong-793001
Meghalaya

Sub: Rain Water Harvesting & Ground Level Recharge – Reg.

With reference to our discussion on 2nd May, 2018 in your office regarding rain water harvesting in our plant, Green Valliey Industries Limited at Village Nongsning, East Jaintia Hills Meghalaya, following the environmental compliances raised by State Environment Impact Assessment Authority (SEIAA);

1. "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."
2. "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."

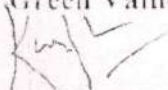
Further, we are pleased to inform you that we are practicing ground level recharge in our plant in the consultation of M/s Envirocon connecting our Guest house building for which the photograph and drawing is enclosed herewith.

Moreover, we shall be greatly obelized, if you would kindly guide us for a plan relating to rain water harvesting and ground level recharge.

As required, following is the GPS details for Latitude, Longitude and Altitude of the site for your reference

Latitude	Longitude	Altitude
N-25°14'21.2"	E - 92°23'15.9"	MSL-693M

Thanking you,
Yours Sincerely,
For Green Valliey Industries Ltd.


Authorized Signatory
Pawan Joshi
(Asst Vice President)

- Enclosed:
1. Photographs of Ground level recharge at site (Annexure-1)
 2. Drawing of Ground level recharge (Annexure-2)



Received
13/5/18
21/5/18
(13 KAL 17A)
Dispatch
Central Ground Water Board
State Unit Office
Keating Road,
Shillong - 793001

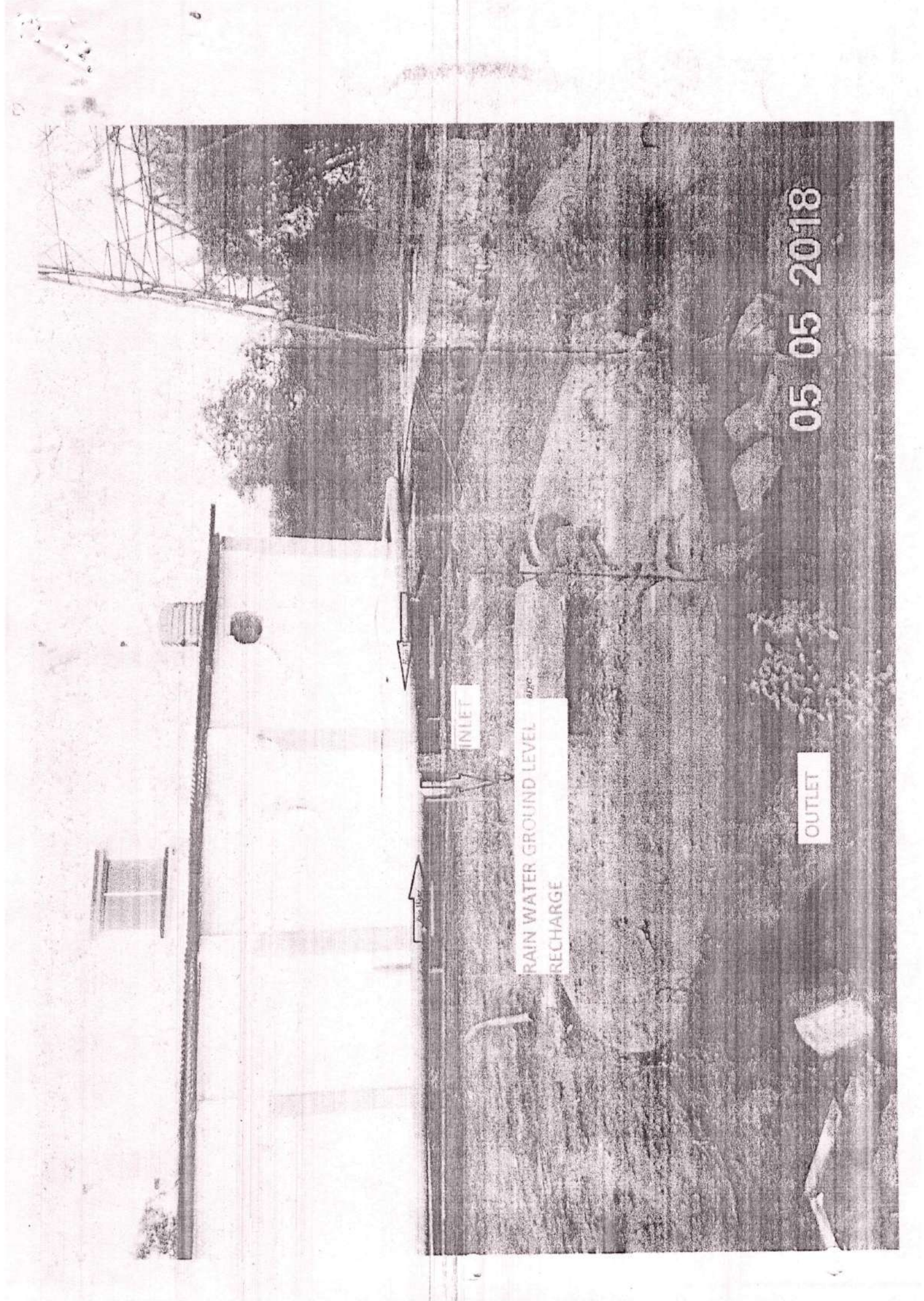
Guwahati Office : 4th Floor, LB Plaza, G. S. Road, Bhangagarn, Guwahati - 781 005, T +91 361 2465481 / 82 / 83 / 84
Regd. Office and Plant : Vill. Nongsning, P.O. Cniehruphi, PS. Khliehriat, Dist. Jaintia Hills, Meghalaya - 793 200
Group Corporate Office : 602 'LORDS' 7/1 Lord Sinha Road, Kolkata - 700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

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Home Visio - 1



05 05 2018



05 05 2018

INLET

RAIN WATER GROUND LEVEL
RECHARGE

OUTLET

Ground Level Recharge for Rain Water

A Ground level recharge plan is implemented for non-polluted rain water in our Guest House building near Administration office for the roof top area to recharge the ground level through separate PVC pipes of 8 inch dia. Whereas, before the onset of the monsoon all the catchment area (roof top) considered for recharge is cleaned to avoid any contamination. A mesh/Jali is provided at the inlets to roof rain water pipes so that leaves or any other solid waste/debris is prevented from entering the recharge pit. An overflow pipe is provided in recharge chamber(s) to route the extra water.

Based on site condition length and breadth of the recharge chamber is designed keeping its volumetric capacity as per requirement and RCC slab thickness and reinforcement is dependent on structural loads. Thickness of recharge chamber walls is 0.2 meter and its depth is 1.6 meter. Filter media of 1.1 meter thickness is in four layers comprising of 0.4 meter thick layer of boulders (50-200mm) at the bottom, 0.3 meter thick layer of gravels (5-10mm) in the middle and 0.3 meter thick layer of coarse sand (1.5-2.0mm) is at the top so that the silt content that will come with runoff will be deposited on the top and can easily be removed and 0.1 meter thick protective layer of pea gravels will be provided over the coarse sand layer of the filter media.

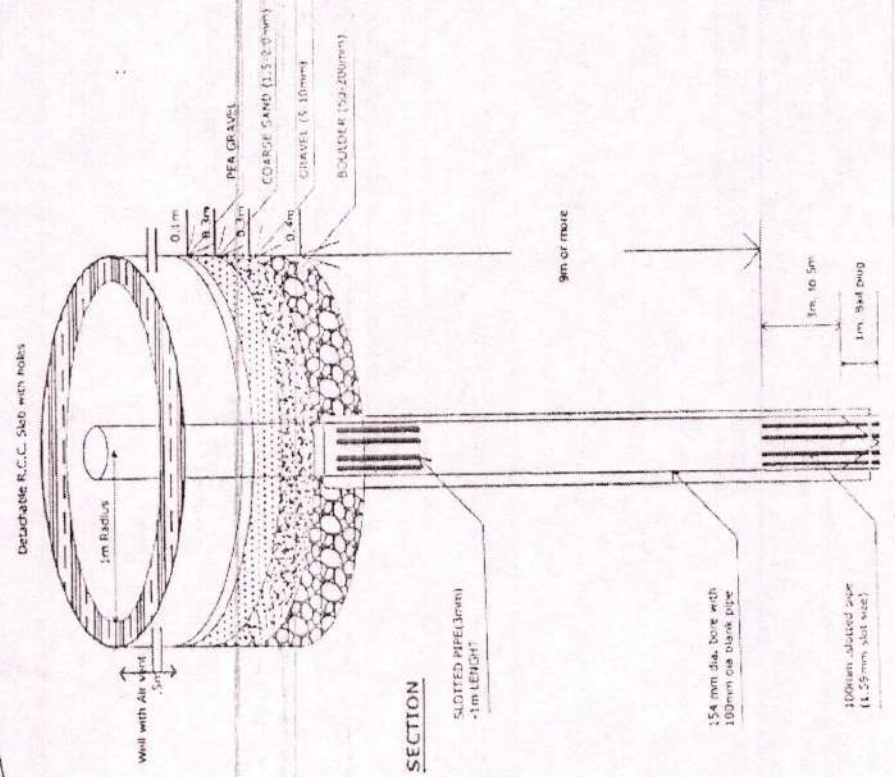
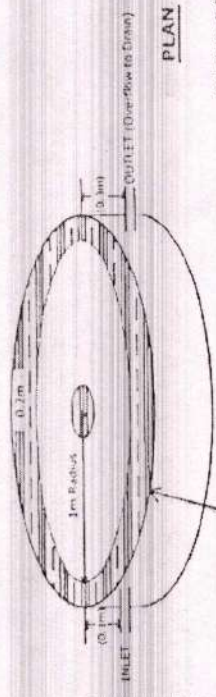
Moreover, recharge Chambers is cleaned before onset of monsoon season every year including removal, washing and relaying with topping up of the pea gravel and filter media layers whereas recharge chambers is checked and cleaned for smooth operation.

(b)

Annexure - 2

Green Valley Industries Limited

Location - Guest House
(N-25°14'21.2" E - 92°23'15.9")MSL - 693M
Rain Water Harvesting / Ground Level Recharge
(Roof top area up to 470sq.m)



Annexure-2

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 ~ 25 m³ in the middle (second) tank. Moreover, we have also lined the drain with Limestone for better neutralization.

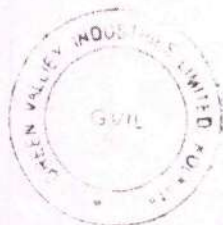
Please Note, we have detailed the process with drawing of the tank and annexed with the application for your kind consideration and approval. This method will also be replicated for the other areas in the future, for better treatment of drain water before discharge.

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)



Handwritten signature and date: 4/11/19

Enclosure- The detailed procedure of AMD Neutralization tanks with layout



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
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

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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. The dimensions are 6.40*2.54*2.75 m (Fig. 1). Tank B has been filled with Limestone of 8.25m³, whereas tank A and C are constructed to accumulate and settle the incoming water respectively. Flowchart as below:

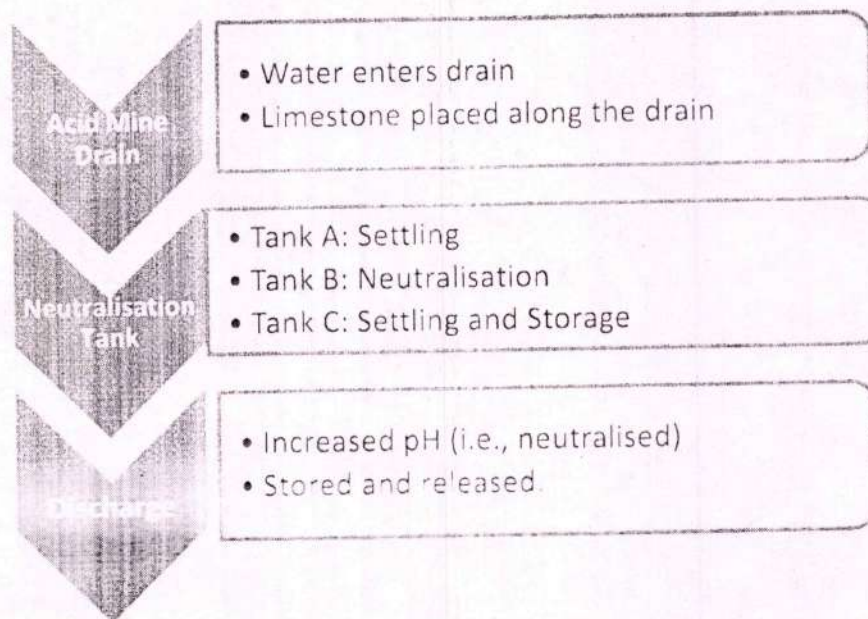
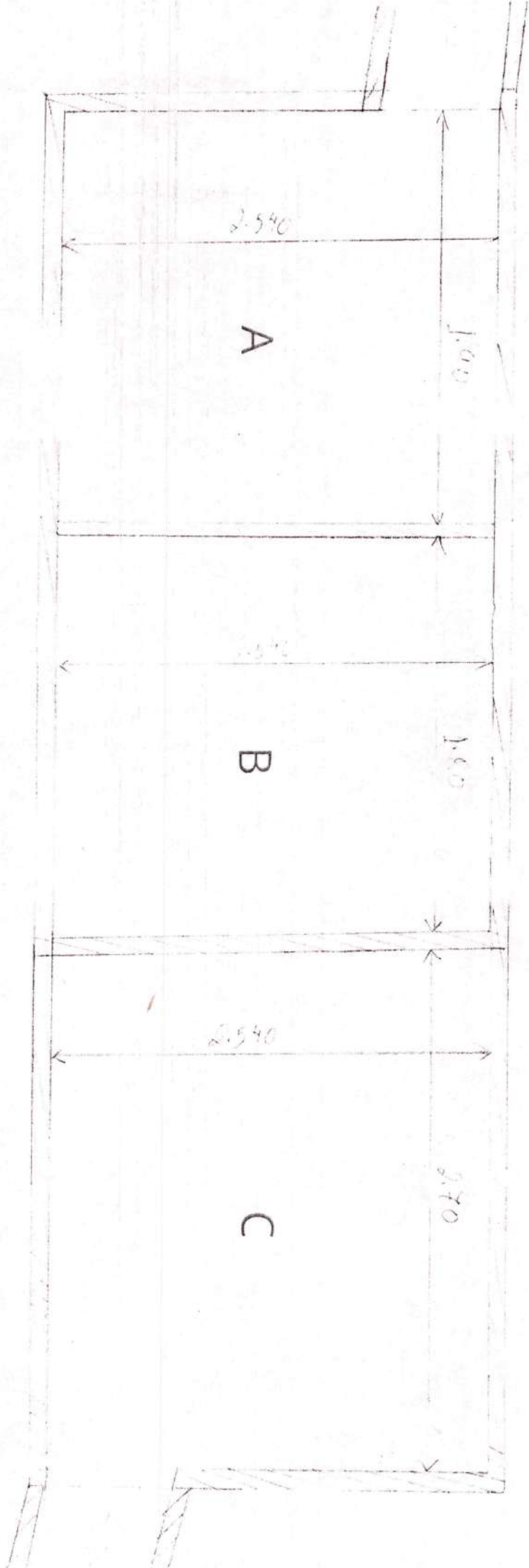


Fig 2: Flowchart depicting the AMD and the constructed Neutralisation Tank.

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.



H → 7.580 m

Annexure - 3

C/C

Green Valliey Industries Limited

CIN NO. U26942ML2007PLC008273

No. GVIL/ENV/MSPCB/2017-18/66

14th March, 2018

To,
The Member Secretary,
Meghalaya State Pollution Control Board,
'ARDEN' LUMPYNGGAD,
SHILLONG -793200

Subject- Location of Ambient air quality monitoring stations

Dear Sir,

With reference to our letter No. GVIL/ENV/2015-16/005 dated 2nd May, 2016, we have established 3 ambient air quality monitoring stations following the specific condition of SEIAA that "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 down wind direction as well as where maximum ground level concentrations are anticipated.

Please Note: the location has been guided by Director, Regional Office CPCB during his visit to our plant. Whereas, we have enclosed the site map with identification of the ambient air quality monitoring stations with latitude (N) and longitude (E) of the location as follows:

S.No.	Location	Latitude(N) / Longitude(E)
1	Near Guest House	N-25 °14' 22.5"/E-92°23' 16.0"
2	Near Staff Colony	N-25 °14' 33.5"/E-92°23' 27.4"
3	Near DM Plant	N-25 °14' 19.0"/E-92°23' 37.5"

This is your kind information and guidance please.

Thanking You,
Yours Sincerely,
For Green Valliey Industries Ltd.

Pawan Joshi
(Asst. Vice President)

Enclosed; Map with identification of AAQMS

Copy to; Regional Office, CPCB, Shillong (For information)

Ministry of Environment, Forest & Climate Change, NER Shillong (For information)

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. Khiehnat, 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 22823307
E : info@greenvalliey.com

A GNG GROUP COMPANY

Green Valliey Industries Limited

CIN NO U26942ML2007PLC008273

No. GVIL/ENV/MSPCB/2020-21/01

Date: 8th December 2020

To,

The Member Secretary,
Meghalaya State Pollution Control Board,
ARDEN, LUMPYNGGAD,
Shillong-793014

Sub: Setting up of additional AAQMS (Ambient Air Quality Monitoring Station).

Ref: No. GVIL/ENV/MSPCB/2017-18/66

Dear Sir,

As per our referred letter, No. GVIL/ENV/MSPCB/2017-18/66, we have already set up 3 AAQMS under the guidance of CPCB, which was informed to your kind office.

However, as per the suggestion and direction from Dr. H. Tynsong, Scientist - D, MoEF&CC, to set up an Additional Ambient Air Quality Monitoring Stations in the downwind direction as well as where maximum ground level concentrations are, we would like to bring to your notice that we have set up and placed an additional (fourth) AAQMS Near the HOD Colony, at 25°14'19.676"N, 92°23'19.007"E.

Thus requesting your assistance and guidance for setting up the AAQMS at the prerequisite location as per the direction.

Thanking you,

For Green Valliey Industries Ltd.

Authorised Signatory



08/12/20

Central Pollution Control Board
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
Regional Directorate - North East, Shillong - 793014
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
Ministry of Environment, Forest & Climate Change, Govt. of India

Enclosed: Letter No. GVIL/ENV/MSPCB/2017-18/66

RECEIPT NO

Rebecca

Copy to: Regional Office, CPCB, Shillong (For information)

DATED

08.12.2020

Ministry of Environment, Forest & Climate Change, NER Shillong (For information)



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-4. 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



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

To,

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



POSTAL ORDER
WITH THE FOLLOWING DETAILS
CIN NO. U26942ML2007PLC008273
Counter No. 1, OF POST OFFICE
To: CHAIRMAN, JOWAI MUNICIPAL BOARD
JOWAI, PIN-793130
From: GREEN VALLEY IND LTD, SHILLONG
4th Floor, Bishop Cotton Road, Shillong
Mizoram, (07/08/2017), 11:33
Amount: ONE THOUSAND (1000) ONLY
(0000 INR) ONLY
<<Track on www.indiapost.gov.in>>

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 Khasi Hills
 The Jowai Municipal Board
 The Managing Director, Meghalaya Industries Development Corporation (MIDC)
 The MSPC B. Sh.

(S&F)
24/7/17

24/7/17

24/7/17



24/7/17

Guwahati Office: 4th Floor, LB Plaza, G. S. Road, Bhongagarh, 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
 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

Green Valliey Industries Limited


CIN NO. U26942ML2007PLC008273

Green Valliey Industries Ltd.

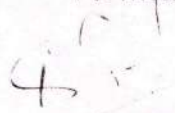
Plantation Details.

Location	Plantation area
Colony	54861.00 m ²
Old Magazine	2464.00 m ²
Admn Block	174.00 m ²
Behind CUR	230.00 m ²
HOD Block	90333.00 m ²
Behind Crusher	-----
Total Area (2017)	148062.00 m ² = 14.81 ha
WED Plantation 5 th June 2019:	
Behind Fr. Block	427.00 m ² = 0.043 ha
WED Plantation 5 th June 2020:	
Near Pump house	241.43 m ² = 0.024 Ha
Founder's Day (13 th August 2020) & Independence Day (15 th Aug 2020)	
Near NH-6, HOD Road, near Airtel Tower and New Village road	3995.909 m ² = 0.4 Ha
Founder's Day (13 th August 2021)	
Near Truck Parking lot	1156.500 m ² = 0.12 Ha
WED Plantation 5 th June'22 & Founder's Day (13 th Aug'22)	
Behind New Store, Temple and G-1 Building	246.738 m ² = 0.02 Ha
Total Plantation Area	15.42 Ha

Updated by,

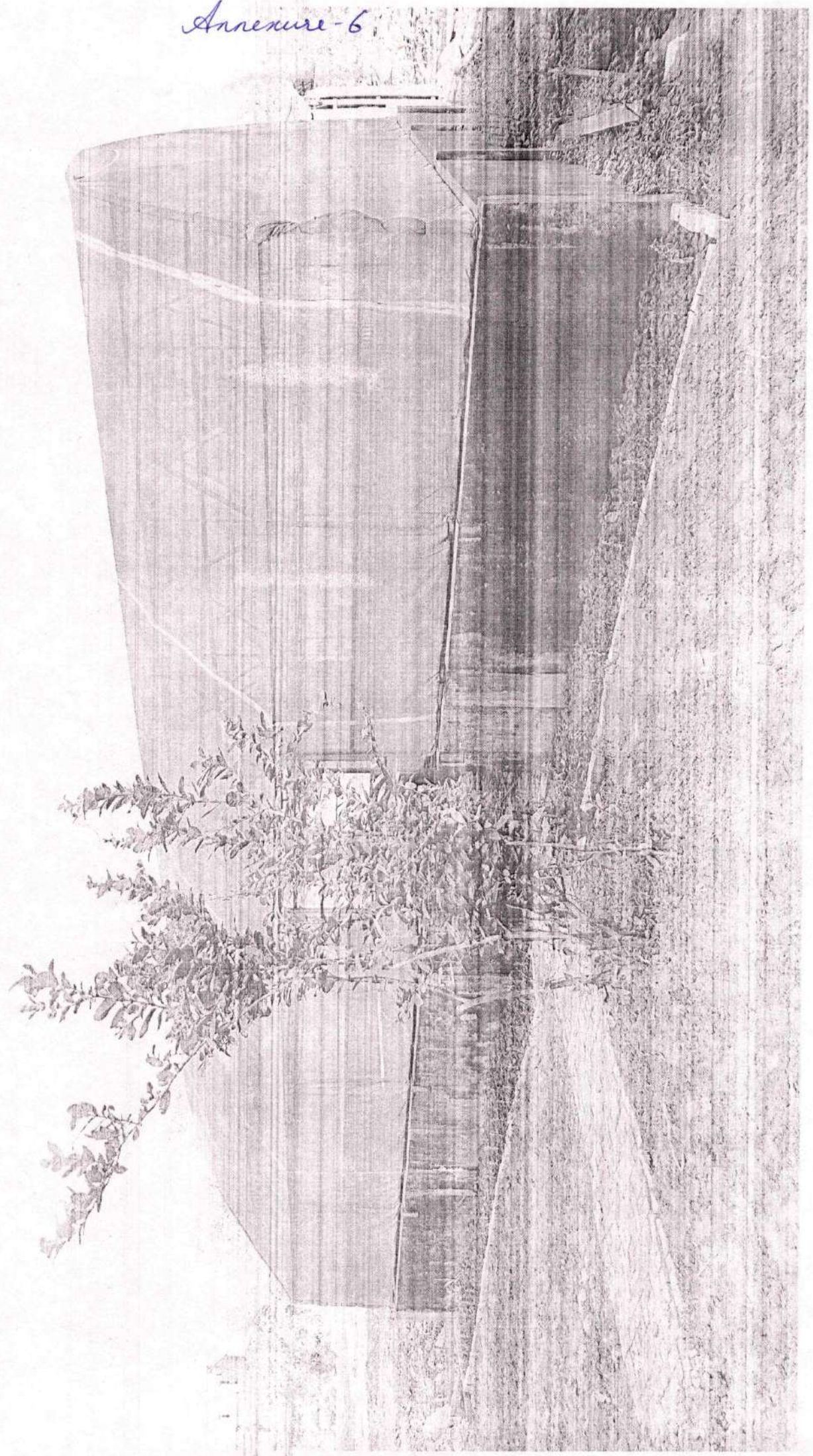

Tohe Edehrii,
Env. Executive

Verified by,


Rupesh Mishra,
Sr. Manager EHS



Annexure-6



Annexure - F
Green Valliey Industries Limited

CIN NO. : U26942ML2007PLC008273

21st July, 2022

No. GVIL/ENV/2022-23/02

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/2019-20/02 dated 12th September 2019, GVIL/ENV/2015-16/07 dated 2nd May, 2016 and SEIAA/PROJECT-1/2007/22 dated 28th March, 2009 (enclosed).

Dear Sir,

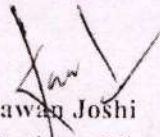
With reference to the subject and the referred letter, we invite your esteemed University to organize and send your specialists to monitor the impact of our project on the biodiversity as per our **Specific Condition, (No. XXVII: "The project proponent shall ensure monitoring of biodiversity component 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 appreciated.

Thanking you,

For Green Valliey Industries Ltd.


Pawan Joshi

(Assistant Vice President)

Mob- 96120500394

Email- pawan.joshi@greenvalliey.com



Enclosed: Referred Letters

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.
The **Chairman**, MSPCB.



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

Green Valliey industries Limited

CIN NO. U26942ML2007PLC008273

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.

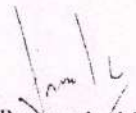
We have been constantly following the matter with your institute and anticipating for your support and update regarding the same.

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 appreciated.

Thanking you,

For Green Valliey Industries Ltd.


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

MAILED
23/09/19

23/9/19

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



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



Copy

Handwritten initials/signature

Ref: GVIL/ENW/2015-16/007

To

Date 2nd May, 2016

The Director

Centre of biodiversity and Natural Resource Conservation,

Assam Research,

Silchar

Sub: Impact on biodiversity component of the project

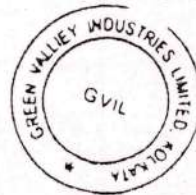
Dear Sir,

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



Handwritten signature

Authorized Signatory

Copy : To The Chairman MSPCB

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



Green Valliey Industries Limited

CIN - U26942ML2007PLC008273

Regd Office and Plant : Village Nongsning, PO Chienruphi, PS Khlieniati, 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

Guwahati Office : 4th Floor, LB Plaza, GS Road, Bhangagarh, Guwahati 781005 T + 91 361 2465481 / 82 / 83 / 84

Email : info@greenvalliey.com Site www.maxcement.com

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 referencē 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 M³/day. The capacity of STP to be installed is 80 m³/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/Nm³.

Annexure-8

Expenditure incurred for Socio-Economic Development under CSR

F.Y. 2019-20

PAID ON A/C OF	AMOUNT (RS.)
Elaka Sutnga	6,50,000
Nongsning Village	3,83,250
Chiehruphi Village	53,488
Lumshnong Village	1,00,000
Elaka Narpuh	50,000
Blalang Presbyterian Church Chiehruphi for area dev	1,50,000
Water Supply at Village	1,30,000
Construction of Nongsning School	2,03,246
TOTAL	17,19,984

F.Y. 2020-21

PAID ON A/C OF	AMOUNT (RS.)
Elaka Sutnga	6,50,000
Nongsning Village	3,83,250
Chiehruphi Village	54,729
Lumshnong Village	1,00,000
Elaka Narpuh	50,000
Nongsning Village U.P. School	1,00,000
Water Supply at Village	1,30,000
Timber & Bamboo for Chiehruphi Church	19,600
Development of Village Road & Area	36,720
Diesel for Excavator for Lumshnong Vill Development	63,260
Blanket Donate for Local People	1,15,325
Plantation for Founders Day	1,24,900
Grocery Distribution at Meghalaya for Covid-19	6,11,900
Grocery Distribution at Village for Covid-19	5,75,855
Construction of Nongsning School	1,89,221
TOTAL	32,04,760

F.Y. 2021-22

PAID ON A/C OF	AMOUNT (RS.)
Elaka Sutnga	5,62,500
Nongsning Village	4,07,203
Chiehruphi Village	54,729
Lumshnong Village	1,00,000
Elaka Narpuh	50,000
Nongsning Village U.P. School	1,00,000
Garo Union Sec. School	1,00,000
Dustbin for Byndihati Village	1,20,000
Water Supply at Village	1,30,000
Const. of Boundary Wall at Sutnga Market	4,78,000
Plantation for Founders Day	62,050
Grocery for Child Orphan Home	38,548
Police Dept. Shillong for 8 Mojos	42,000
TOTAL	22,45,030

Annexure - 9



**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) and Reverse 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



No. MPCB/ATH-34/2011/2021-2022 *4*

Dated Shillong, the *7th* Feb, 2022

FORM - 2
[See Rule 6(2)]

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

M/s **Green Valley Industries Limited** of Village Nongsning, East Jaiñtia Hills District, Meghalaya is hereby granted / renewal of the Authorization to operate a facility for collection, storage and disposal of hazardous waste on its premises situated at Village Nongsning, East Jaiñtia Hills District, Meghalaya with reference to Application No. GVIL/MSPCB/HW/2021-22/05, Dtd: 28/01/2022.

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

HAZARDOUS AND OTHER WASTE MANAGEMENT MATRIX

	Hazardous Waste	Quantity	Collection	Reception	Treatment	Transport	Storage	Disposal
1	Used/ Spent Oil	29.79 KL/A	✓	X	X	X	✓ Leak proof containers	✓ Recycling within the plant premises Sale/auction to registered recycler/refiner

The Authorization shall be in force for a period of **5(five) years, i.e., from 1st February, 2022 upto 31st January, 2027.**

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.

Meghalaya State Pollution Control Board

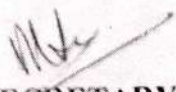
Forests & Environment Department, Government of Meghalaya

'ARDEN' Lumpyngad, Shillong 793014

Website: <http://megspcb.gov.in>



- 486
R
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, 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

Copy to:-

1. The Director of Commerce and Industries, Govt. of Meghalaya, Shillong for kind information.
2. M/s Green Valliey Industries Limited, Village Nongsning, P.O Chiehruphi, East Jaintia Hills District, Meghalaya- 793200 for information and necessary action.

Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya

'ARDEN' Lumpyngngad, Shillong-793014

Website: <http://megspcb.gov.in>



mspcb

No. MPCB/ATH-34/2011/2021-2022/23

Dated Shillong, the 7th Feb, 2022

FORM - 2 [See Rule 6(2)]

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

M/s Green Valliey Industries Limited of Village Nongsning, East Jaiñtia Hills District, Meghalaya is hereby granted of the Authorization to operate a facility for Collection, Reception, Storage & Co-Processing of Plastic Waste, Saw Dusts, Bamboo Chips, Tyre Chips and Rice Husk on its premises situated at Village Nongsning, East Jaiñtia Hills District, Meghalaya with reference to Application No. GVIL/MSPCB/HW/2021-22/06, Dtd: 28/01/2022.

The Authorization is granted to operate a facility for Collection, Reception, Storage & Co-Processing of Non-Hazardous Waste in accordance to the hazardous waste management matrix as specified below:-

WASTE MANAGEMENT MATRIX

Sl. No.	Non-Hazardous Waste	Quantity in Tonnes per Annum	Collection	Reception	Storage	Co-Processing
1.	Plastic Waste	6,000				
2.	Saw Dusts	3,000				
3.	Bamboo Chips	5,000	✓	✓	✓	✓
4.	Tyre Chips	10,000				
5.	Rice Husk	5,000				

The Authorization shall be in force for a period of 5(five) years, upto 28th February 2027.

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.

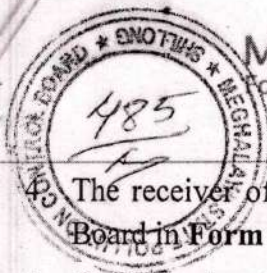


TERMS AND CONDITIONS:

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. 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.
4. 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, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;
5. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on **“Pre-Processing & Co-Processing of Hazardous & Other Wastes in Cement Plant as per Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016”**.
6. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
7. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
8. An application for the renewal of an authorization shall be made as laid down under these Rules.
9. 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.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

SPECIFIC CONDITIONS:

1. It shall be the duty of the receiver and operator of a facility to take adequate steps while handling hazardous & Other Waste to: -
 - a. contain contaminants and prevent accidents and limit their consequences on humans and the environment,
 - b. provide persons working on the site with information, training and equipment necessary to ensure their safety, and
 - c. put up prominent hoardings indicating the nature of wastes/materials handled and precautionary measures taken, besides Do's & Don'ts, for public in case of any mishap.
2. The transportation of Hazardous & Other Waste shall be in accordance with the provisions of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and Rules made by the Central Government under Motor Vehicles (Amendment) Act, 2019.
3. The receiver of waste for transportation, storage and co-processing of hazardous waste shall maintain records of such operation in **Form 3**.



Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya

'ARDEN' Lumpynggad, Shillong-793014

Website: <http://megspcb.gov.in>

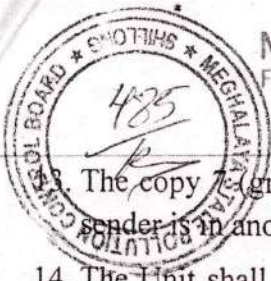


The receiver of waste shall submit Annual Returns to the Meghalaya State Pollution Control Board in **Form 4** by the **30th June** of every year for the preceding period April to March.

5. The occupier shall provide the transporter with the relevant information in **Form 9**, regarding the hazardous nature of the wastes and measures to be taken in case of an emergency and shall label the hazardous and other wastes containers as per **Form 8**.
6. In case of transportation of hazardous and other waste for recycling or utilisation including co-processing, the sender shall intimate both the State Pollution Control Boards before handing over the waste to the transporter.
7. In case of transit of hazardous and other waste for recycling, utilisation including co-processing or disposal through a State other than the States of origin and destination, the sender shall give prior intimation to the concerned State Pollution Control Board of the States of transit before handing over the wastes to the transporter.
8. The sender of the waste shall prepare seven copies of the manifest in **Form 10** comprising of colour code indicated below and all seven copies shall be signed by the sender:

Copy number with colour code	Purpose
Copy 1 (White)	To be forwarded by the sender to the State Pollution Control Board after signing all the seven copies.
Copy 2 (Yellow)	To be retained by the sender after taking signature on it from the transporter and the rest of the five signed copies to be carried by the transporter.
Copy 2 (Pink)	To be retained by the receiver (actual user or treatment storage and disposal facility operator) after receiving the waste and the remaining four copies are to be duly signed by the receiver.
Copy 2 (Orange)	To be handed over to the transporter by the receiver after accepting waste.
Copy 2 (Green)	To be sent by the receiver to the State Pollution Control Board.
Copy 2 (Blue)	To be sent by the receiver to the sender.
Copy 7 (Grey)	To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.

9. The sender shall forward copy 1 (white) to the State Pollution Control Board, and in case the hazardous or other wastes is likely to be transported through any transit State, the sender shall intimate State Pollution Control Boards of transit States about the movement of the waste.
10. No transporter shall accept waste from the sender for transport unless it is accompanied by signed copies 3 to 7 of the manifest.
11. The transporter shall submit copies 3 to 7 of the manifest duly signed with date to the receiver along with the waste consignment.
12. The receiver after acceptance of the waste shall hand over copy 4 (orange) to the transporter and send copy 5 (green) to his State Pollution Control Board and send copy 6 (blue) to the sender and the copy 3 (pink) shall be retained by the receiver.



Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya


'ARDEN' Lumpynggad, Shillong-793014

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The copy (grey) shall only be sent to the State Pollution Control Board of the sender, if the sender is in another State.

14. The Unit shall report any accident in **Form 11** immediately to the Meghalaya State Pollution Control Board.
15. The occupier and operator of a facility may file an appeal against an Order passed by the Meghalaya State Pollution Control Board in **Form 12**.


MEMBER SECRETARY
Meghalaya State Pollution Control Board
Shillong

Copy to:-

1. The Director of Commerce and Industries, Govt. of Meghalaya, Shillong for kind information.
- ✓ 2. M/s Green Valliey Industries Limited, Village Nongsning, P.O Chiehruphi, East Jaintia Hills District, Meghalaya- 793200 for information and necessary action.

Report No.: ENV/GVIL/22-23/AA-09/01

Order No.: 3600001958

Date : 07/10/2022

Date : 30/04/2022

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**

Village: Nongsning, P.O.: Chiehruphi, P. S.: Khliehriat, East Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	Near Guest House	24.09.2022	19.3	37.4	5.7	6.2
02	Near DM Plant	24.09.2022	23.7	40.9	6.5	6.7
03	Staff Colony	25.09.2022	21.9	36.5	5.3	6.1

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/GVIL/22-23/SE-09/05

Date : 07/10/2022

Order No.: 3600001958

Date : 30/04/2022

Report Issued To: **GREEN VALLIEY INDUSTRIES LIMITED**

Village: Nongsning, P.O.: Chiehruphi, P. S.: Khliehriat, East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/22-23/SE-09/05		
02	Date of Sampling	25.09.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
06	Flue Gas Temperature (°C)	27		
07	Exit Velocity of Gas (m/sec)	3.5		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	13	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



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/GVIL/22-23/SE-09/04
Date : 07/10/2022

Order No.: 3600001958
Date : 30/04/2022

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/22-23/SE-09/04		
02	Date of Sampling	25.09.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
06	Flue Gas Temperature (°C)	66		
07	Exit Velocity of Gas (m/sec)	12.9		
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)	BDL*	mg/Nm ³	700
iii.	Oxides of Nitrogen (as NO _x)	BDL*	mg/Nm ³	600

*BDL: Below Detection Level



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/GVIL/22-23/SE-09/03
Date : 07/10/2022

Order No.: 3600001958
Date : 30/04/2022

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/22-23/SE-09/03		
02	Date of Sampling	24.09.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
06	Flue Gas Temperature (°C)	221		
07	Exit Velocity of Gas (m/sec)	14.3		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	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



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Report No.: ENV/GVIL/22-23/SE-09/01
Date : 07/10/2022

Order No.: 3600001958
Date : 30/04/2022

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

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/22-23/SE-09/01		
02	Date of Sampling	24.09.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill B. F.		
06	Flue Gas Temperature (°C)	53		
07	Exit Velocity of Gas (m/sec)	13.2		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	19	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	217	mg/Nm ³	700
iii.	Oxides of Nitrogen (as NO _x)	112	mg/Nm ³	600



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Report No.: ENV/GVIL/22-23/SE-09/02

Date : 07/10/2022

Order No.: 3600001958

Date : 30/04/2022

Report Issued To : **GREEN VALLIEY INDUSTRIES LIMITED**

Village: Nongsning, P.O.: Chiehruphi, P. S.: Khliehriat, East Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GVIL/22-23/SE-09/02		
02	Date of Sampling	24.09.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
06	Flue Gas Temperature (°C)	173		
07	Exit Velocity of Gas (m/sec)	16.9		
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)	364	mg/Nm ³	700
iii.	Oxides of Nitrogen (as NO _x)	202	mg/Nm ³	600



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Report No.: ENV/GVIL/22-23/N-09/01

Date : 07/10/2022

Order No.: 3600001958

Date : 30/04/2022

Report Issued To : GREEN VALLIEY INDUSTRIES LIMITED

Village: Nongsning, P.O.: Chiehruphi, P. S.: Khliehriat, 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	24.09.2022	71.5	75	56.3	70
2	Staff Colony	24.09.2022	48.9	55	40.1	45



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Report No.: ENV/GVIL/22-23/WZ-11/01
Date : 07/12/2022

Order No.: 3600002256
Date : 11/10/2022

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

WORK ZONE AIR QUALITY TEST RESULTS

Date	Locations	Results for PM (mg/m ³)	Limit (mg/m ³)
21.11.2022	Packing Plant	0.53	2.0
22.11.2022	Cement Mill Dump Hopper	0.72	2.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/GVIL/22-23/FE-11/01
Date : 07/12/2022

Order No.: 3600002256
Date : 11/10/2022

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

PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Location	Fugitive Emission Result for SPM ($\mu\text{g}/\text{m}^3$)	Limit ($\mu\text{g}/\text{m}^3$)
22.11.2022	Coal Handling Area (Near DM Plant)	523	2000
22.11.2022	Lime Stone Crusher Section	792	5000



Checked By: Mr. Pankaj Baroi, ENVIROCON

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