

To,  
The Joint Director  
Ministry of Environment, Forest and Climate Change  
North Eastern Regional Office,  
Law-U-Sib, Lumbatngen,  
Near MTC Workshop, Shillong-793021

Date: 28-05-2020

**Subject** :- Six month Compliance report of EC stipulations on Amrit Cement Limited.

**Reference:** -Environmental Clearance vide letter no. J-11011/75/2009-IA-II (I).Dated 17.03.2010.

Dear Sir,

With reference to above mentioned letter, we are submitting herewith the Six Month Compliance Report of the stipulated environmental conditions of Environmental clearance along with results of monitored data for the period of **October, 2019 to March, 2020.**

Thanking you,

yours faithfully,

FOR, AMRIT CEMENT LTD.

  
Authorized Signatory  
Date 28/05/20  
UMLAPER, MEGHALAYA

1 | Page

Amrit Cement Ltd.

CIN: U26940ML2006PLC008302

Plant: Village: Umlaper, Elaka: Rymbal, P.O./P.S. Khliehriat, Dist: East Jaintia Hills, Meghalaya 793 200 | Ph: + 91 364 230 7077 | email: info@amrit.co.in  
Registered Office: Opposite Horse Shoe Building, Lower Lachumitra, Shillong 793 001, Meghalaya | Ph: + 91 364 250 3192 | email: info@amrit.co.in

**AMRIT CEMENT LIMITED**

Village: Umlaper, Elaka- Rymbai Dist.: Jaintia Hills Meghalaya

**COMPLIANCE STATUS**

**ENVIRONMENTAL CLEARANCE LETTER NO. F No. J-11011/75/2009-IA-II (I) Dated 17.03.2010**

**Period: From 1<sup>st</sup> October , 2019 to 31<sup>st</sup> March, 2020.**

**(A) Specific Conditions:-**

Sl. No.	Conditions	Compliance
i)	No Mining Activity shall be stated at the site without proper environmental clearance/ consent from the Central/State Government.	Noted Further 'Consent to Operate' for Operating 0.90 MTPA cement manufacturing unit along with 10 MW captive power plant for the year 2019-20 was renewed vide ref. No. MPCB/CON-14(2010)/Pt-I/2019-2020/91 Dt: 30-04-2019 Copy of Consent to Operate is enclosed as <b>Annexure-I</b> .
ii)	Online ambient air quality and continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion limit of SPM shall be controlled within 30 mg/Nm <sup>3</sup> by installing adequate air pollution control system viz. Electrostatic precipitations (ESPs) to clinker cooler and captive power plant (AFBC), bag house to raw mill/kiln and bag filters shall be provided to coal mill, cement mill etc. Adequate stack height as per CPCB guidelines shall be provided to AFBC boiler to control emissions. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit is shut down automatically. Data on ambient air, fugitive and stack emissions will be submitted to the Ministry's Regional Office at Shillong, Meghalaya Pollution Control Board (MPCB) and CPCB regularly.	Provided continuous stack monitoring facilities, high efficiency ESP for Clinker Cooler & Reverse Air Bag House (RABH) for Kiln & Raw mill. Bag filters for Cement mill & coal mill. Provided ESP for Captive Power Plant. With these high efficiency pollution control equipments, SPM being maintained well within specified limit i.e. 30 mg/Nm <sup>3</sup> (G.S.R. 612(E) dated August 25, 2014).  The entire Chimneys /stacks, installed areas per guideline. Data of Ambient air quality, fugitive emissions and stack emissions and ambient noise level monitoring are being submitted to the MOEF, Regional Office at Shillong, MPCB & CPCB regularly. Interlocking facility has been provided to all the Bag House and pulse jet bag filters. The online data of stack monitoring is given on CPCB website through suitable modem. The URL is <a href="http://glenspcb.glensserver.com">glenspcb.glensserver.com</a> <b>Ambient air and stack monitoring data are attached as Annexure-II B &amp; II A respectively.</b>

iii)	An action plan shall be prepared and submitted to the Ministry's Regional Office at Shillong, for the control of SO <sub>2</sub> emissions from the captive power plant.	Provided separate lime feeding hopper for boiler to control SO <sub>2</sub> emissions.
iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826(E). Dated 16th November, 2009 shall be followed.	The company shall follow the National Ambient Air Quality Emission and all the monitoring results are as per norms.
v)	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility report shall be prepared and submitted to the Ministry and its Regional Office at Shillong within 3 months from the date of issue of the letter.	Gases generated from kiln fully being utilized for drying the moisture in the raw materials like lime stone, clay, shale & coal, by diverting the hot gases to Raw mill & coal mill section. There is also proposal under study to utilize the cooler exit gases for drying the moisture in Fly ash.
vi)	The Company shall install adequate dust collection and extraction system at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. to control fugitive emissions. All the raw material stock piles shall be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials will be provided besides coal, cement, fly ash and clinker will be stored in soils. Pneumatic system shall be used for fly ash handling. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.	The company is already using water tankers for water sprinkling at loading & unloading points and all transfer points to control fugitive emissions. Provided dust extraction systems for all raw material transfer points. The raw materials viz. Clinker, fly ash and gypsum are stored in covered sheds. Finished products are stored in silos. Water tankers are deployed for water sprinkling at all the raw material stock yard and cement loading areas. Provided auto water sprinkling system facility on lime stone conveyer belt. <b>Photographs are attached as Annexure-III .</b>
vii)	Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emission, Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in the regard. Dust extraction/suppression system shall be provided at	Asphalting/concreting of roads shall be provided. Presently regular water spraying all around the stockyard, critical areas prone and loading/unloading areas in the cement plant, plant road, and other vulnerable areas being carried out to control fugitive emissions. 1 <sup>st</sup> phase of road concreting already start about 500 meter from main road.  The material being transported in covered chutes and trucks.

	transfer points, crusher house, coal stock pile etc. Automatic dust cleaning system will be provided to clean floors to control fugitive dust emissions. The material shall be transported in covered chutes or trucks.	
viii)	Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the least permissible limits issued by the CPCB will be followed. New standards for the sponge iron plant issued by the Ministry vide G.S.R 414(E) dated 2008 shall be followed.	All necessary steps taken for proper control of emission levels including secondary fugitive emissions from all the sources within the least permissible limits as per CPCB notification.
ix)	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agriculture land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions shall be regularly mentioned.	Raw materials and end products being transported in covered containers, overloading is strictly prohibited. Vehicular emissions record being maintained at security main gate.
x)	Total water requirement for cement plant from River Thaw Dollia shall not exceed 2100 m3/day. No ground water will be used. Rejects of the water treatment plant shall be neutralized and boiler blow down shall be stored in common drain pit to cool naturally. Industrial effluent from captive power plant (CPP) shall be treated in effluent treatment plant (ETP). All the treated waste water shall be recycled and reused in the process and/or for cooling, dust suppression and green belt development and other plant related activities etc. No process wastewater will be discharged outside the factory premises and 'zero' discharge shall be adopted.	No ground water is used. The rejects of Water treatment Plant are neutralized in the neutralizing Pit and used for dust suppression and plantations. Boiler blow down is separately drained for cooling. Back wash water of water treatment plant shall also be collected in a separate tank. No process water is discharged outside factory premises and Zero discharge is adopted.
xi)	Permission' for the drawl of 2,100 m3/day water from River Thew Dollia shall be obtained from concerned Department. Sewage treatment plant (STP) shall be installed for the treatment of sewage from the colony and treated domestic effluent shall be used for green belt development within the plant premises. Domestic waste from colony and STP shall be segregated into bio- degradable and non-biodegradable, Bio- degradable waste shall be land filled at identifies sites.	Permission for drawl of 2100 m3 / day water from river Thwai Dolloi, is already obtained. STP is installed for the treatment of domestic effluent and treated effluent shall be used for green belt development. There is no sewage effluent as we are using Soak Pits for this purpose. The domestic waste shall also be segregated into Bio-degradable and non-biodegradable. Bio-degradable waste shall be composted and used for the green belt development. Non-biodegradable waste is used for land filling at identified sites.

xii)	Efforts shall be made to make use of rain water harvested. If needed. Capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement will be met from other resources.	During rainy season, we are not drawing any water from river Thwai Dolloi, but harvesting rain water flowing from water fall and pumping it to our reservoirs. Another scheme to harvest rain water flowing through storm water drain is also planned.
xiii)	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Combustible wastes along with spent oil will be used as fuel in the kiln. Non-combustible wastes will be land filled for manure composting and non-compostable waste shall be land filled for composting and non-compostable waste STP sludge shall be used as manure for green belt development. Spent/used/waste oil and batteries shall be sold authorized recyclers/reprocesses only.	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices being recycled and reused in the process and used for cement manufacturing. Spent/used/waste oil and batteries will be disposed to authorized recyclers/reprocesses only. We have already disposal hazardous waste authorized recyclers.
xiv)	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.	Being complied.
xv)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made according. The company shall keep the record of the waste utilized and shall submit the details to Ministry's Regional Office at Shillong, CPCB and MPCB.	To improve heat efficiency in cement kiln, we are using high calorific waste as alternate fuel.
xvi)	All the fly ash shall be utilized as per Fly Ash Notification, 1999 subsequently amended in 2003.	Being complied.
xvii)	A Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office at Shillong. MPCB and CPCB within 3 months of issue of environment clearance letter.	Done.
xviii)	As proposed, green belt shall be developed in at least 10 ha. (33%) area in out of total 30 ha. Land in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	The green belt has been developed in phased manner. At present 21,409 trees are covered in an area of 6.13 ha. Local species are selected in consultation with local DFO and plantation is being done. <b>Details are enclosed as Annexure-IV</b>
xix)	Recommendation and permission of the State Forest Department regarding impact of proposed plant on surrounding reserve forest, if any shall be obtained and implemented. Further, Conservation	No Reserve Forest is there in the vicinity and hence it is not applicable.

	Plan for the conservation of wild fauna in consultation with the State Forest Department shall be prepared and implemented.	
xx)	All the recommendations made in the Charter on Corporate Responsibilities for Environment Protection (CREP) for the Cement plants shall be implemented.	All the CREP recommendations are being followed.
xxi)	The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	Project completed, Presently we are providing housing with all necessary infrastructure and facilities such as toilets, safe drinking water, medical facility, health care for all.
xxii)	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 9th November, 2009 will be satisfactory implemented and separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Shillong.	All Commitments which was made during the Public Hearing are being satisfactory implemented.
xxiii)	At least 5% of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan will be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program shall be ensured accordingly in a time bound manner.	Corporate social responsibility (CSR) activities being under progress. (Enclosed as per Annexure -V) Include lung function and sputum analysis tests once in six months. Medical Checks by qualified Doctors are being done on regular basis.

**(B) General Conditions:-**

Sl. No.	Conditions	Compliance
i)	The project authority must adhere to the stipulation made by Meghalaya state Pollution Control Board (MSPCB) and state government.	ACL strictly adheres to the stipulation of MSPCB/State Govt.
ii)	No Further Expansion or Modification of the plant shall be carried out without prior approval of the Ministry.	No further expansion or modification of the plant is being carried on without prior approval of the competent authorizes.
iii)	At least four ambient air quality monitoring station shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO2 and Nox are anticipated	Presently we have engaged a third party to carried out ambient air monitoring, stack emission monitoring and noise level monitoring work. The six months data of ambient air quality and stack

	in consultation with the Meghalaya state pollution control board. Data on ambient air quality monitoring and stack emission shall be regularly submitted to the ministry including its regional office at Shillong and Meghalaya Pollution control Board once in six months.	emissions are regularly submitted to MOEF Regional office, Shillong. Monthly ambient air quality monitoring reports are enclosed as <b>Annexure- II(A) &amp; II(B)</b>
iv)	Industrial waste water shall be properly collected and treated so as to conform to the standard prescribed under GSR 422 (E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amendment from time to time. The treated waste water shall be utilized for plantation purpose.	Generated waste water is being collected in neutralization pit and after it is being used for dust suppression and plantation purpose. We are maintaining zero discharge strictly.
v)	The overall noise level in and around the plant area shall be kept well within the standards (85dBA) by providing noise control measure including acoustic hoods, silencers, and enclosures etc, on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environmental (Protection) act, 1986 Rules 1989 viz. 75 dBA (Day time) and 70 dBA (Night time).	The Ambient noise levels <75 dB(A) are maintained below Standards prescribed by MPCB/CPCB/MoEFCC. Monthly monitored Noise levels are enclosed as <b>Annexure-II(C)</b>
vi)	Proper housekeeping and adequate occupational health programmes must be taken up. Occupational health surveillance programme shall be done on a regular basis and records maintained. The programme must include lungs function and sputum analysis test in six months.	<ul style="list-style-type: none"> <li>All the persons working in the dust/noise prone areas have been provided with personal protective equipment (PPE) such as helmets, safety glasses, industrial grade gloves, safety harnesses, gum boots, nose masks and earmuffs.</li> <li>Occupational Health Surveillance Programme is being conducted for the workers by a qualified doctor along with the medical staff. The medical staff has been appointed for regular health checkup of the workers.</li> <li>Periodic Medical Examination is being done on a regular basis and findings of</li> <li>The examination and tests are carried out, as per norms, have been duly recorded in the Health Register for ready reference.</li> </ul> <b>Preventive health checkup details are attached as Annexure-VI</b>
vii)	The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water.	Implementation of this scheme is in progress.

viii)	The company shall undertake eco-development measures including community welfare measures in the project area.	The Company has taken adequate eco-developmental measures with the objective of balancing with the construction activity as per the advice of the Forest department.
ix)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	The Company is complying with all the environmental protection measures and safeguards recommended in the EIA/EMP.
x)	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Being complied. Recruited one environmental senior executive to lead environmental management cell. Required instrument has been purchased & full fledged environmental lab established.
xi)	As proposed Rs. 50.00 Crores will be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by Ministry of Environment & Forests as well as the State Government and submit implementation schedule for all the conditions stipulated herein to the Regional Office of this Ministry at Shillong / Central Pollution Control Board/Meghalaya State Pollution Control Board. The funds so provided shall not be diverted for any other purpose.	Being done progressively in line with capacity build-up. The fund is being used for Maintenance of pollution control equipment's, Third party monitoring of environmental parameters, green belt development and training programs as per CPCB guideline. The recurring cost is attached as <b>Annexure-VII</b> .
xii)	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied
xiii)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It will simultaneously be sent to the Regional Office of the MOEF at Shillong, the respective Zonal Office of CPCB and the Meghalaya SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> & NO <sub>x</sub> (ambient levels as	Being complied.



	well as stack emissions) or critical sartorial parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xiv)	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitoring data (both in hard copies as well as by e-mail) to the Regional Office off MOEF, the respective Zonal Office of CPCB and the Meghalaya SPCB. The Regional Office of this Ministry at Shillong/CPCB/Meghalaya SPCB shall monitor the stipulated conditions.	Being complied.
xv)	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	Being complied.
xvi)	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Meghalaya SPCB and may also be seen at Website of the Ministry of Environment & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same will be forwarded to the Regional Office at Shillong.	Complied.
xvii)	Project authorities shall inform the Regional Office at Shillong as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied.

xviii)	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	Noted
xiv)	The Ministry reserve the right to stipulate additional condition if found necessary. The company in a time bound manner shall implement these conditions.	Noted
xx)	Any other conditions or alterations in the above condition will have to be implemented by the project authorities in a time bound manner.	Noted
xxi)	Any appeal against this environmental clearance shall lie with the national environmental appellate authority. If proffered with in a period of 30 days as prescribed under section 11 of the national environmental appellate act 1977.	Noted
xxii)	The above conditions shall be enforced inter- alia under the provision of the water (Prevention and control)Act,1974,the Air (Prevention and control)Act, 1981,the Environmental (Protection)Act,1986,Hazardous Waste (Management and Handling) Rules,2003 and the public liability (Insurance )Act,1991 along with their amendments and rules.	Noted

---

**Annexure - I**

**Consent to Operate**



No. MPCB/CON-14(2010)/Pt-I/2019-2020/91

Dtd: Shillong, the 30<sup>th</sup> April, 2019

### RENEWAL OF CONSENT TO OPERATE

The **CONSENT to OPERATE** issued in favour of **M/s AMRIT CEMENT LIMITED** Vide T.O Order No. MPCB/CON-14(2010)/2012-2013/39 Dated Shillong the 20<sup>th</sup> March, 2013 and subsequent renewals for operating a **0.90 MTPA CEMENT MANUFACTURING UNIT alongwith 10 MW CAPTIVE POWER PLANT** with a Project cost of ₹ 550 Crores at Umlaper, Elaka Rymbai, East Jaintia Hills District and which expired on 31<sup>st</sup> March 2019 is hereby renewed for a period of 1(one) year i.e upto **31<sup>st</sup> March 2020** under the following **terms and conditions:**

#### General Conditions:

1. This Consent has been accorded based on the particulars furnished by the applicant on behalf of **M/s AMRIT CEMENT LIMITED** and subject to addition of further or more conditions if so warranted by subsequent developments. The Consent will automatically become invalid if any change or alteration or deviation is made in actual practice.
2. This Consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to the following:-
  - (a) Violation of any Terms and Conditions of this Consent;
  - (b) Obtaining the Consent by misrepresentation or failure to disclose fully all relevant facts;
  - (c) A change in any condition that require temporary or permanent reduction or elimination of the authorized discharge/emission.
3. This Consent does not convey any property right in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central State or Local Laws or Regulation.
4. No air, water and soil pollution shall be created by the Industry beyond the prescribed permissible limits.
5. The industry shall take adequate measures for control of noise from its own source so as to comply with the Standards below:

Limit in dB (A) Leq	
Day Time (6:00am-9:00pm)	Night Time (9:00pm-6:00am)
75	70

6. To maintain the environment and ecology of the area, development of green belt by planting selected species of trees, the height of which should not be less than 5 (five) metres when matured and at a spacing of 1 (One) metre should be made invariably at an area of 15 ha around the cement Plant and 2.0 ha around the colony.
7. As per the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and the Air (Prevention and Control of Pollution) Act, 1981 as amended that any Officer empowered by the Board on its behalf shall have without interruption, the right at any time to enter the Plant/factory/for inspection, collection of sample for analysis and may call for any information as deemed necessary. Denial this right will cause withdrawal of the Consent Order.
8. The Company shall comply with all the environment protection measures and safeguards recommended in the EIA/EMP.
9. Domestic Wastewater generated from the factory and colony shall have to be treated in a Sewage Treatment Plant. This treated water shall be utilized in greenbelt development around the plant and colony.
10. All recommendations of the corporate Responsibility for Environment Protection (CREP) shall have to be adhered to.
11. Prior Permission of the Central Ground Water Authority should be obtained for extraction of Ground Water.
12. Environmental Statement in prescribed form V should be submitted on or before the 30<sup>th</sup> September every year.

Page 1 of 4



## Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya  
'ARDEN' Lumpynggad, Shillong-793014  
Website: <http://megspcb.gov.in>



13. Fire protection system shall be made available in coal stock ayrd and other vulnerable areas of the Thermal Power Plant. Fire protection system and machinery should be tested periodically and shall always be kept in operational mode. Mock drills shall be conducted regularly.

### Specific Conditions:

#### A) Air Aspect:-

1. The Air pollution control devices installed should be properly maintained so as to ensure control of the emission from the **Cement Plant** as prescribed below:

Sl. No.	Parameter	Standards
1.	Particulate Matter	30 mg/Nm <sup>3</sup>
2.	Sulphur Dioxide (SO <sub>2</sub> )	1000 mg/Nm <sup>3</sup>
3.	Oxides of Nitrogen (NO <sub>x</sub> )	800 mg/Nm <sup>3</sup>
4.	Mercury (Hg)	0.03 mg/Nm <sup>3</sup>
5.	HCL	10 mg/Nm <sup>3</sup>
6.	HF	1 mg/Nm <sup>3</sup>
7.	TOC	10 mg/Nm <sup>3</sup>
8.	Hg and its compounds	0.05 mg/Nm <sup>3</sup>
9.	Cd+Tl and their compounds	0.05 mg/Nm <sup>3</sup>
10.	Sb+AS+Pb+Co+Cr+Cu+Mn+Ni+V and their compounds	0.5 mg/Nm <sup>3</sup>
11.	Dioxins and Furans	0.1 ngTEQ/Nm <sup>3</sup>

2. The air pollution control devices installed for the Thermal Power Plant should be properly maintained so as to ensure control of emission as prescribed below:

Sl. No.	Parameter	Standards
1.	Particulate Matter	50 mg/Nm <sup>3</sup>
2.	Sulphur Dioxide (SO <sub>2</sub> )	600 mg/Nm <sup>3</sup>
3.	Oxides of Nitrogen (NO <sub>x</sub> )	300 mg/Nm <sup>3</sup>
4.	Mercury (Hg)	0.03 mg/Nm <sup>3</sup>

3. The chimneys/vents attached to various sources of emission shall be assigned with specific reference numbers such as S-1, S-2, etc and these shall be painted/displayed to ease identification. Sampling ports at appropriate location in the chimney/stack and adequate facilities like ladder, platform, etc. for monitoring of the stack emissions should be maintained. The frequency of monitoring of stack emission shall be every fortnightly and the monitoring Report should be submitted to the MSPCB on monthly basis.
4. **On-line continuous stack monitoring facilities provided for dust and gaseous emission should be properly maintained and monitored data should be regularly transmitted to Meghalaya State Pollution Control Board and Central Pollution Control Board. Remote calibration facility of gaseous emission should be made available and Action Taken Report should be submitted to the Board at the earliest.**
5. Appropriate preventive measures should be adopted to reduce fugitive emission so as to control the concentration of suspended particulate matter in the ambient air.
6. All the raw materials shall be stored in covered shed to control fugitive emission.
7. Dust/particulate matter collected in pollution control device shall be reused. Spares should be maintained in respect of all pollution control devices. Maintenance and optimum functioning of the pollution control equipment should be carried out regularly.
8. Provision should be made for maintaining of plantation along the internal roads to reduce dust retention in the

Page 7 of 7



# Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya  
 'ARDEN' Lumpyngngad, Shillong-793014  
 Website: <http://megspcb.gov.in>



air.

- Monitoring of the Ambient Air Quality including micro-meteorological data in at least three ambient air quality monitoring stations established around the Plant premises should be carried out weekly for 24 hours and submit the report to the MSPCB on monthly basis.
- The Ambient Air Quality within the Plant premises and surrounding areas should be maintained within the National Ambient Air Quality Standards prescribed below:-

Sl. No.	Pollutants	Time Weighted average	Concentration in Ambient Air (Industrial, Residential, Rural Areas) $\mu\text{g}/\text{m}^3$
1.	SO <sub>2</sub>	Annual	50
		24 hours	80
2.	NO <sub>2</sub>	Annual	40
		24 hours	80
3.	Particulate Matter, PM <sub>10</sub> (size less than 10 $\mu\text{m}$ )	Annual	60
		24 hours	100
4.	Particulate Matter, PM <sub>2.5</sub> (size less than 2.5 $\mu\text{m}$ )	Annual	40
		24 hours	60

## B) Water Aspect:

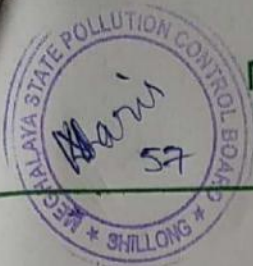
- The Daily quantity of Water Consumption shall not exceed 18,600 KL/Month.
- The installed trade effluent treatment system should achieved the prescribed Standard given in the following Table and the treated effluent shall be re-circulated and reused within the plant area. There shall be no waste water discharge outside the plant boundary.

S.NO	PARAMETER	STANDARDS
1.	Suspended Solids mg/l max	100
2.	pH value	5.5 – 9.0
3.	Temperature	Shall not exceed 5°C above the receiving water temperature
4.	Oil & Grease mg/l max	10
5.	Total Residual Chlorine mg/l max	1.0
6.	Ammoniacal Nitrogen (asN) mg/l max	50
7.	Total kjeldahl Nitrogen (asN) mg/l max	100
8.	Free Ammonia (asNH <sub>3</sub> ) mg/l max	5.0
9.	Biochemical Oxygen Demand (3 days at 27 ° C) mg/l max	30
10.	Chemical Oxygen Demand, mg/l	250

- Effluent generated from the Power Plant should meet the following standards:

Source	Parameter	Concentration not to exceed, mg/l (except for pH and Temperature)
Condenser Cooling Water (once through cooling system)	pH	6.5 to 8.5
	Temperature *	Not more than 5°C higher than the intake
	Free available Chlorine	0.5
Boiler Blowdown	Suspended Solids	100
	Oil & Grease	20
	Copper (Total)	1.0
	Iron (Total)	1.0
Cooling Tower Blowdown	Free available Chlorine	0.5
	Zinc	1.0
	Chromium (Total)	0.2
	Phosphate	5.0

Page 3 of 4



## Meghalaya State Pollution Control Board

Forests & Environment Department, Government of Meghalaya  
'ARDEN' Lumpynggad, Shillong-793014  
Website: <http://megspcb.gov.in>



4. Adequate drainage system should be provided (if not already in place) all around the coal and fly ash storage sheds to collect the run-off and leachate from the sheds for treatment in the ETP.
5. Monthly returns of water consumption for different purpose of usage should be furnished on or before the 5<sup>th</sup> day of every month in prescribed Form – 1.

### C) Solid & Hazardous Waste Aspect:

1. Adequate facility should be created for collection, storage, transportation, treatment & disposal of Municipal Solid Waste generated from the Residential Colony and Industry (non-hazardous industrial solid waste).
2. Appropriate facility should be created and maintained for handling, storage, treatment & disposal of Hazardous waste generate from the industry in accordance to the provisions of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 including Notifications, Guidelines issued there under.
3. Adequate system should be adopted for reduction of waste generation and enhancement of re-utilization & recycling of waste materials.
4. Burning of Solid Waste generated from the Unit is strictly prohibited. Violation of the prohibition shall be liable for penalty under the Solid Waste Management Rules, 2016 and Environment Protection Act, 1986.
5. Facility should be created for utilization of plastic waste/and hazardous waste as co-fuel in the kiln.
6. The utilization of Flyash should be in accordance to the provisions of the Notification No. S.O. 2804(E), dated 03.11.2009 issued by the ministry of Environment and Forests, GOI under the Environment (Protection) Acts 1986 for which action plan is to be prepared and submit to this Board.

**MEMBER SECRETARY**

Meghalaya State Pollution Control Board  
Shillong

Copy to:-

1. The Director of Industries, Meghalaya, Shillong for kind information.
2. **M/s AMRIT CEMENT LIMITED**, C/o The Director, Opposite Horse Building, Lower Lachumiere, Shillong – 793001 for information and necessary action. The Firm is instructed to apply for further renewal of the Consent to Operate prior to expiry of the validity date.
3. TB-CON-2019-RCTO

**Stack Emission Monitoring Reports**



Report No. : ENV/ACIL/SE/MAR/2019-20/01  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/MAR/2020/01		
02	Date of Sampling	16.03.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	64		
06	Exit Velocity of Gas (m/sec)	13.4		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	15.2	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

BDL: Below Detection Level



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/MAR/2019-20/02  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/MAR/2020/02		
02	Date of Sampling	16.03.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill No.1 B.F		
05	Flue Gas Temperature (°C)	61		
06	Exit Velocity of Gas (m/sec)	11.6		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	23.4	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	428.4	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	243.7	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/MAR/2019-20/03  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/MAR/2020/03		
02	Date of Sampling	16.03.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	218		
06	Exit Velocity of Gas (m/sec)	15.3		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	22.9	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/MAR/2019-20/04  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/MAR/2020/04		
02	Date of Sampling	17.03.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Flue Gas Temperature (°C)	31		
06	Exit Velocity of Gas (m/sec)	5.3		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	14.3	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/MAR/2019-20/05  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/MAR/2020/05		
02	Date of Sampling	17.03.2020		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	CPP		
05	Flue Gas Temperature (°C)	172		
06	Exit Velocity of Gas (m/sec)	8.9		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	33.4	mg/Nm <sup>3</sup>	50
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	543.8	mg/Nm <sup>3</sup>	600
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	251.7	mg/Nm <sup>3</sup>	300

*Pankaj Baroi*  


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/MAR/2019-20/06  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/MAR/2020/06		
02	Date of Sampling	17.03.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
05	Flue Gas Temperature (°C)	178		
06	Exit Velocity of Gas (m/sec)	16.2		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	15.3	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	622.8	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	392.7	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/FEB/2019-20/01  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/FEB/2020/01		
02	Date of Sampling	08.02.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	69		
06	Exit Velocity of Gas (m/sec)	16.5		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	17.7	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/FEB/2019-20/02  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/FEB/2020/02		
02	Date of Sampling	08.02.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill No.1 B.F		
05	Flue Gas Temperature (°C)	63		
06	Exit Velocity of Gas (m/sec)	13.9		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	21.8	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	447.4	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	275.5	mg/Nm <sup>3</sup>	800



Digboi Assam  
Recognized by PCB, Assam & MSPCB, Meghalaya

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/SE/FEB/2019-20/03  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/FEB/2020/03		
02	Date of Sampling	09.02.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	213		
06	Exit Velocity of Gas (m/sec)	14.2		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	25.8	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/FEB/2019-20/04  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/FEB/2020/04		
02	Date of Sampling	09.02.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Flue Gas Temperature (°C)	35		
06	Exit Velocity of Gas (m/sec)	6.8		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	13.2	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/FEB/2019-20/05  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/FEB/2020/05		
02	Date of Sampling	10.02.2020		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	CPP		
05	Flue Gas Temperature (°C)	166		
06	Exit Velocity of Gas (m/sec)	8.8		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	35.9	mg/Nm <sup>3</sup>	50
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	594.2	mg/Nm <sup>3</sup>	600
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	279.8	mg/Nm <sup>3</sup>	300



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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/FEB/2019-20/06  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/FEB/2020/06		
02	Date of Sampling	10.02.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
05	Flue Gas Temperature (°C)	182		
06	Exit Velocity of Gas (m/sec)	17.8		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	16.5	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	670.9	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	569.5	mg/Nm <sup>3</sup>	800

*Pankaj Baroi*  


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/JAN/2019-20/01  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/JAN/2020/01		
02	Date of Sampling	07.01.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	64		
06	Exit Velocity of Gas (m/sec)	16.9		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	18.2	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/JAN/2019-20/06

Order No. : 6700013506 / HO

Date : 18/01/2020

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/JAN/2020/06		
02	Date of Sampling	07.01.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill No.1 B.F		
05	Flue Gas Temperature (°C)	66		
06	Exit Velocity of Gas (m/sec)	13.7		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	20.4	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	446.4	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	247.7	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/JAN/2019-20/02  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/JAN/2020/02		
02	Date of Sampling	07.01.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	209		
06	Exit Velocity of Gas (m/sec)	13.7		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	24.6	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/JAN/2019-20/05  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/JAN/2020/05		
02	Date of Sampling	08.01.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Flue Gas Temperature (°C)	32		
06	Exit Velocity of Gas (m/sec)	6.4		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	12.8	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/SE/JAN/2019-20/03  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/JAN/2020/03		
02	Date of Sampling	08.01.2020		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	CPP		
05	Flue Gas Temperature (°C)	107		
06	Exit Velocity of Gas (m/sec)	9.5		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	37.2	mg/Nm <sup>3</sup>	50
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	494.5	mg/Nm <sup>3</sup>	600
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	244.9	mg/Nm <sup>3</sup>	300



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/JAN/2019-20/04  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/JAN/2020/04		
02	Date of Sampling	08.01.2020		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
05	Flue Gas Temperature (°C)	179		
06	Exit Velocity of Gas (m/sec)	18.7		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	17.5	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	609.2	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	486.2	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/DEC/2019-20/01  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/DEC/2019/01		
02	Date of Sampling	20.12.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	67		
06	Exit Velocity of Gas (m/sec)	17.8		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	16.7	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/DEC/2019-20/02  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/DEC/2019/06		
02	Date of Sampling	20.12.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill No.1 B.F		
05	Flue Gas Temperature (°C)	60		
06	Exit Velocity of Gas (m/sec)	12.8		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	19.6	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	382.7	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	228.1	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/DEC/2019-20/03  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/DEC/2019/02		
02	Date of Sampling	20.12.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	203		
06	Exit Velocity of Gas (m/sec)	13.2		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	23.7	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/DEC/2019-20/04  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/DEC/2019/05		
02	Date of Sampling	21.12.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Flue Gas Temperature (°C)	28		
06	Exit Velocity of Gas (m/sec)	5.2		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	13.4	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/DEC/2019-20/05  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/DEC/2019/03		
02	Date of Sampling	21.12.2019		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	CPP		
05	Flue Gas Temperature (°C)	112		
06	Exit Velocity of Gas (m/sec)	8.3		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	34.4	mg/Nm <sup>3</sup>	50
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	486.16	mg/Nm <sup>3</sup>	600
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	255.01	mg/Nm <sup>3</sup>	300



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/DEC/2019-20/06  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/DEC/2019/04		
02	Date of Sampling	21.12.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
05	Flue Gas Temperature (°C)	184		
06	Exit Velocity of Gas (m/sec)	19.7		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	16.7	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	652.7	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	480.5	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/SE/NOV/2019-20/06  
Date : 02/12/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/NOV/2019/06		
02	Date of Sampling	24.11.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	64		
06	Exit Velocity of Gas (m/sec)	18.1		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	17.2	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

**Report No. : ENV/ACIL/SE/NOV/2019-20/01**
**Date : 02/12/2019**
**Order No. : 6700013506 / HO**
**Date : 10/10/2019**
**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/NOV/2019/01		
02	Date of Sampling	23.11.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill No.1 B.F		
05	Flue Gas Temperature (°C)	58		
06	Exit Velocity of Gas (m/sec)	11.8		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	19.2	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	440.2	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	225.2	mg/Nm <sup>3</sup>	800


 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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/NOV/2019-20/05  
Date : 02/12/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/NOV/2019/05		
02	Date of Sampling	24.11.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	209		
06	Exit Velocity of Gas (m/sec)	12.5		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	24.8	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/NOV/2019-20/02  
Date : 02/12/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/NOV/2019/02		
02	Date of Sampling	23.11.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Flue Gas Temperature (°C)	26		
06	Exit Velocity of Gas (m/sec)	4.6		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	14.8	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/NOV/2019-20/03  
Date : 02/12/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/NOV/2019/03		
02	Date of Sampling	24.11.2019		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	CPP		
05	Flue Gas Temperature (°C)	101		
06	Exit Velocity of Gas (m/sec)	7.4		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	37.2	mg/Nm <sup>3</sup>	50
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	526.9	mg/Nm <sup>3</sup>	600
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	259.8	mg/Nm <sup>3</sup>	300



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/NOV/2019-20/04  
Date : 02/12/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/NOV/2019/04		
02	Date of Sampling	24.11.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
05	Flue Gas Temperature (°C)	173		
06	Exit Velocity of Gas (m/sec)	18.2		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	17.2	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	685.4	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	461.6	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/OCT/2019-20/01  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/OCT/2019/01		
02	Date of Sampling	16.10.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	75		
06	Exit Velocity of Gas (m/sec)	16.2		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	25.3	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

BDL: Below Detection Level



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/OCT/2019-20/02  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**STACK EMISSION TEST RESULTS**

01	Stack Emission Test Ref. No.	ACIL/SE/OCT/2019/06		
02	Date of Sampling	16.10.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill No.1 B.F		
05	Flue Gas Temperature (°C)	68		
06	Exit Velocity of Gas (m/sec)	15.4		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	23.6	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	238.2	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	152.6	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/SE/OCT/2019-20/03  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/OCT/2019/02		
02	Date of Sampling	17.10.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	232		
06	Exit Velocity of Gas (m/sec)	14.9		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	24.4	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

**BDL: Below Detection Level**



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/OCT/2019-20/04  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/OCT/2019/05		
02	Date of Sampling	17.10.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	Primary Crusher		
05	Flue Gas Temperature (°C)	24		
06	Exit Velocity of Gas (m/sec)	3.2		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	16.6	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	BDL	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	BDL	mg/Nm <sup>3</sup>	800

BDL: Below Detection Level



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/OCT/2019-20/05  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/OCT/2019/03		
02	Date of Sampling	15.10.2019		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	CPP		
05	Flue Gas Temperature (°C)	84		
06	Exit Velocity of Gas (m/sec)	12.3		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	32.5	mg/Nm <sup>3</sup>	50
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	529.6	mg/Nm <sup>3</sup>	600
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	266.2	mg/Nm <sup>3</sup>	300



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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/SE/OCT/2019-20/06  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	ACIL/SE/OCT/2019/04		
02	Date of Sampling	16.10.2019		
03	Material of Construction	M. S.		
04	Stack Attached To	R. A. B. H.		
05	Flue Gas Temperature (°C)	169		
06	Exit Velocity of Gas (m/sec)	15.9		
<b>Analysis Results of Flue Gas</b>				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	18.6	mg/Nm <sup>3</sup>	30
ii.	Sulphur Dioxide (as SO <sub>2</sub> )	436.5	mg/Nm <sup>3</sup>	1000
iii.	Oxides of Nitrogen (as NO <sub>x</sub> )	252.8	mg/Nm <sup>3</sup>	800



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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

---

**Annexure - II (B)**

**Ambient Air Quality Monitoring Reports**

---

**Amrit Cement Limited, Meghalaya**

Report No. : ENV/ACIL/AAQ/MAR/2019-20/01  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**AMBIENT AIR QUALITY TEST RESULTS**

SL. No.	Location(s) ↓	Date of Sampling	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM 10 ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near Guest House	16.03.2020	18.4	39.4	ND	ND
2.	MRSS 1 Near DM Plant	17.03.2020	30.8	52.7	4.6	ND
3.	MRSS 2 Near Primary Crusher	17.03.2020	33.8	58.4	4.9	3.5
4.	Near Main Gate	16.03.2020	37.8	62.7	10.4	5.9

**ND:** Not Detected

Analysis Protocol: **IS 5182**

Sampled & Analysed by: ENVIROCON, Digboi

*Pankaj Baroi*  
  
 Digboi Assam  
 Recognised by PCB, Assam & MSPCB, Meghalaya

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/AAQ/FEB/2019-20/01  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**AMBIENT AIR QUALITY TEST RESULTS**

SL. No.	Location(s) ↓	Date of Sampling	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM 10 ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near Guest House	08.02.2020	26.7	52.4	6.2	ND
2.	MRSS 1 Near DM Plant	08.02.2020	36.3	63.6	6.5	ND
3.	MRSS 2 Near Primary Crusher	09.02.2020	33.2	65.6	7.7	6.5
4.	Near Main Gate	10.02.2020	31.8	60.5	13.2	7.8

ND: Not Detected

Analysis Protocol: IS 5182

Sampled & Analysed by: ENVIROCON, Digboi



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/AAQ/JAN/2019-20/01  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**AMBIENT AIR QUALITY TEST RESULTS**

SL. No.	Location(s) ↓	Date of Sampling	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM 10 ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near Guest House	07.01.2020	29.4	54.3	6.4	ND
2.	MRSS 1 Near DM Plant	07.01.2020	34.3	62.2	6.2	ND
3.	MRSS 2 Near Primary Crusher	08.01.2020	31.5	64.2	7.9	6.7
4.	Near Main Gate	08.01.2020	30.8	59.7	12.3	7.7

ND: Not Detected

Analysis Protocol: **IS 5182**

Sampled & Analysed by: ENVIROCON, Digboi



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/AAQ/DEC/2019-20/01  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**AMBIENT AIR QUALITY TEST RESULTS**

SL. No.	Location(s) ↓	Date of Sampling	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM 10 ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near Guest House	20.12.2019	27.6	52.6	6.8	ND
2.	MRSS 1 Near DM Plant	20.12.2019	36.7	60.4	5.8	ND
3.	MRSS 2 Near Primary Crusher	21.12.2019	32.5	64.3	8.2	6.4
4.	Near Main Gate	21.12.2019	34.4	61.7	14.6	8.9

ND: Not Detected

Analysis Protocol: IS 5182

Sampled & Analysed by: ENVIROCON, Digboi



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/AAQ/NOV/2019-20/01

Order No. : 6700013506 / HO

Date : 02/12/2019

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**AMBIENT AIR QUALITY TEST RESULTS**

SL. No.	Location(s) ↓	Date of Sampling	PM 2.5	PM 10	NO <sub>2</sub>	SO <sub>2</sub>
			(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near Guest House	23.11.2019	26.4	50.4	6.6	ND
2.	MRSS 1 Near DM Plant	23.11.2019	35.2	63.7	5.9	ND
3.	MRSS 2 Near Primary Crusher	24.11.2019	33.5	66.2	8.5	6.2
4.	Near Main Gate	24.11.2019	36.8	63.9	13.2	9.2

ND: Not Detected

Analysis Protocol: IS 5182

Sampled & Analysed by: ENVIROCON, Digboi



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/AAQ/OCT/2019-20/01  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### AMBIENT AIR QUALITY TEST RESULTS

SL. No.	Location(s) ↓	Date of Sampling	PM 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM 10 ( $\mu\text{g}/\text{m}^3$ )	NO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near Guest House	15.10.2019	28.2	51.6	6.2	ND
2.	MRSS 1 Near DM Plant	15.10.2019	33.4	62.5	5.7	ND
3.	MRSS 2 Near Primary Crusher	16.10.2019	35.8	65.9	8.9	5.9
4.	Near Main Gate	16.10.2019	34.2	60.6	12.7	8.8

ND: Not Detected

Analysis Protocol: **IS 5182**

Sampled & Analysed by: ENVIROCON, Digboi



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

---

**Annexure - II (C)**

**Noise Level Monitoring Reports**

---

**Amrit Cement Limited, Meghalaya**

Report No. : ENV/ACIL/NLM/MAR/2019-20/02  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
Village: Umlaper, Elaka Rymbai  
Meghalaya

## NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: C/**Residential Area**

Measurement Date: **16.03.2020**

Sl. No.	Location	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
01	Residential Area	51	46	49	35	30	32


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/MAR/2019-20/01  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**NOISE LEVEL MEASUREMENT RESULTS**

Area Code/Category: A/Industrial Area

Measurement Date: 16.03.2020

Sl. No.	Location(s)	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
1	Primary Crusher	69	64	66	63	58	61
2	Compressor Room	75	71	73	69	66	68
3	Turbine Floor	77	74	75	71	67	70
4	CPP Pump House	76	72	74	72	68	69
5	CPP Control Room	70	64	67	65	60	63
6	Coal Mill Area	72	68	71	66	62	64
7	Raw Mill Area	73	70	72	67	61	65
8	Raw Mill Cyclo Bottom	76	71	73	67	62	64
9	Kiln Burner Floor	78	75	77	73	71	72
10	CCR	62	56	58	51	47	49
11	Cooler Discharge	75	72	74	69	65	68
12	CSP Area	72	67	69	60	55	57
13	Cement Mill area	73	70	71	67	63	65
14	Packing Plant Area	73	69	70	67	63	65
15	Ash Storage Yard	65	61	63	56	50	54
16	Coal Storage Yard	62	57	59	53	47	51
17	Lime Stone Storage Yard	68	63	64	56	52	55
18	Garage	59	56	57	53	48	51
19	DM Plant	73	70	72	64	61	63



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/FEB/2019-20/02  
 Date : 03/03/2020

Order No. : 6700013506 / HO  
 Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
 Village: Umlaper, Elaka Rymbai  
 Meghalaya

### NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: C/Residential Area

Measurement Date: 08.02.2020

Sl. No.	Location	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
01	Residential Area	54	44	52	37	32	35



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/FEB/2019-20/01  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**NOISE LEVEL MEASUREMENT RESULTS**

Area Code/Category: **A/Industrial Area**

Measurement Date: **08.02.2020**

Sl. No.	Location(s)	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
1	Primary Crusher	70	65	68	62	56	60
2	Compressor Room	74	69	72	66	60	64
3	Turbine Floor	80	75	78	73	67	71
4	CPP Pump House	76	71	74	70	66	68
5	CPP Control Room	71	66	69	64	58	62
6	Coal Mill Area	74	70	72	68	64	66
7	Raw Mill Area	75	70	73	69	64	67
8	Raw Mill Cyclo Bottom	74	70	72	68	63	66
9	Kiln Burner Floor	78	74	76	70	65	68
10	CCR	64	57	62	54	48	52
11	Cooler Discharge	75	70	73	67	62	65
12	CSP Area	73	67	71	61	56	59
13	Cement Mill area	75	70	73	68	64	66
14	Packing Plant Area	74	70	72	67	62	65
15	Ash Storage Yard	68	63	66	59	53	57
16	Coal Storage Yard	64	57	62	53	48	50
17	Lime Stone Storage Yard	71	65	69	61	55	59
18	Garage	65	60	63	55	50	53
19	DM Plant	72	66	70	62	57	60

*Pankaj Baroi*  


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/NLM/JAN/2019-20/02  
 Date : 18/01/2020

Order No. : 6700013506 / HO  
 Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
 Village: Umlaper, Elaka Rymbai  
 Meghalaya

### NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: C/Residential Area

Measurement Date: 08.01.2020

Sl. No.	Location	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
01	Residential Area	56	46	54	36	30	34



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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/JAN/2019-20/01  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**


Village: Umlaper, Elaka Rymbai  
Meghalaya

**NOISE LEVEL MEASUREMENT RESULTS**

Area Code/Category: A/Industrial Area

Measurement Date: 08.01.2020

Sl. No.	Location(s)	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
1	Primary Crusher	69	63	67	60	55	58
2	Compressor Room	75	70	73	64	59	62
3	Turbine Floor	81	76	79	77	73	75
4	CPP Pump House	77	72	75	70	65	68
5	CPP Control Room	72	66	70	65	60	63
6	Coal Mill Area	75	70	73	69	65	67
7	Raw Mill Area	76	73	74	71	65	69
8	Raw Mill Cyclo Bottom	75	72	73	70	64	68
9	Kiln Burner Floor	79	74	77	72	66	70
10	CCR	62	56	60	52	46	50
11	Cooler Discharge	76	70	74	68	63	66
12	CSP Area	74	67	72	62	57	60
13	Cement Mill area	76	70	74	69	65	67
14	Packing Plant Area	75	71	73	68	63	66
15	Ash Storage Yard	69	62	67	56	51	54
16	Coal Storage Yard	62	56	60	54	49	52
17	Lime Stone Storage Yard	70	65	68	60	55	58
18	Garage	64	59	62	56	52	54
19	DM Plant	73	67	71	60	56	58

*Pankaj Baroi*  


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/DEC/2019-20/02  
 Date : 06/01/2020

Order No. : 6700013506 / HO  
 Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
 Village: Umlaper, Elaka Rymbai  
 Meghalaya

### NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: C/Residential Area

Measurement Date: 20.12.2019

Sl. No.	Location	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
01	Residential Area	54	43	52	38	29	36

*Pankaj Baroi*  


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/DEC/2019-20/01  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
Village: Umlaper, Elaka Rymbai  
Meghalaya

## NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: **A/Industrial Area**

Measurement Date: **20.12.2019**

Sl. No.	Location(s)	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
1	Primary Crusher	68	62	66	59	55	57
2	Compressor Room	74	69	72	65	60	63
3	Turbine Floor	81	76	79	72	68	70
4	CPP Pump House	75	70	73	66	62	64
5	CPP Control Room	73	66	71	60	55	58
6	Coal Mill Area	76	69	74	70	66	68
7	Raw Mill Area	77	72	75	69	62	67
8	Raw Mill Cyclo Bottom	74	71	72	68	64	66
9	Kiln Burner Floor	78	74	76	70	64	68
10	CCR	62	57	60	50	45	48
11	Cooler Discharge	75	70	73	67	62	65
12	CSP Area	73	66	71	60	56	58
13	Cement Mill area	75	68	73	64	60	62
14	Packing Plant Area	74	70	72	67	62	65
15	Ash Storage Yard	66	59	64	54	50	52
16	Coal Storage Yard	60	55	58	50	45	48
17	Lime Stone Storage Yard	67	62	65	58	52	56
18	Garage	64	60	62	57	52	55
19	DM Plant	72	66	70	64	60	62



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/NOV/2019-20/02  
 Date : 02/12/2019

Order No. : 6700013506 / HO  
 Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**NOISE LEVEL MEASUREMENT RESULTS**

Area Code/Category: **C/Residential Area**

Measurement Date: **24.11.2019**

Sl. No.	Location	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
01	Residential Area	49	42	47	36	30	34



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/NOV/2019-20/01  
Date : 02/12/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD  
Village: Umlaper, Elaka Rymbai  
Meghalaya

## NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: A/Industrial Area

Measurement Date: 24.11.2019

Sl. No.	Location(s)	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
1	Primary Crusher	69	63	67	62	56	60
2	Compressor Room	75	70	73	67	62	65
3	Turbine Floor	80	75	78	73	67	71
4	CPP Pump House	76	72	74	67	63	65
5	CPP Control Room	72	65	70	62	56	60
6	Coal Mill Area	75	67	73	71	64	69
7	Raw Mill Area	76	71	74	68	63	66
8	Raw Mill Cyclo Bottom	75	70	73	67	63	65
9	Kiln Burner Floor	77	73	75	70	64	68
10	CCR	60	55	58	52	48	50
11	Cooler Discharge	76	70	74	68	63	66
12	CSP Area	74	64	72	62	57	60
13	Cement Mill area	74	69	72	66	62	64
14	Packing Plant Area	75	70	73	65	60	63
15	Ash Storage Yard	64	58	62	56	50	54
16	Coal Storage Yard	62	56	60	52	47	50
17	Lime Stone Storage Yard	66	60	64	55	50	53
18	Garage	65	62	63	59	55	57
19	DM Plant	73	67	70	65	60	63

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/OCT/2019-20/02

Date : 04/11/2019

Order No. : 6700013506 / HO

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: C/Residential Area

Measurement Date: 16.10.2019

Sl. No.	Location	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
01	Residential Area	47	39	45	35	27	33



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/NLM/OCT/2019-20/01  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### NOISE LEVEL MEASUREMENT RESULTS

Area Code/Category: A/Industrial Area

Measurement Date: 17.10.2019

Sl. No.	Location(s)	Day Time			Night Time		
		Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
1	Primary Crusher	68	62	66	60	55	58
2	Compressor Room	76	70	74	69	64	67
3	Turbine Floor	82	76	80	74	68	72
4	CPP Pump House	75	70	73	69	64	67
5	CPP Control Room	70	64	68	60	55	58
6	Coal Mill Area	74	68	72	70	65	68
7	Raw Mill Area	75	70	73	67	62	65
8	Raw Mill Cyclo Bottom	74	69	72	68	64	66
9	Kiln Burner Floor	78	72	76	70	65	68
10	CCR	62	56	60	55	50	53
11	Cooler Discharge	77	72	75	69	64	67
12	CSP Area	72	65	70	64	59	62
13	Cement Mill area	73	68	71	67	63	65
14	Packing Plant Area	74	66	72	64	60	62
15	Ash Storage Yard	62	57	60	54	50	52
16	Coal Storage Yard	60	55	58	53	55	51
17	Lime Stone Storage Yard	65	60	63	56	50	54
18	Garage	67	63	65	60	54	58
19	DM Plant	74	68	72	69	65	68



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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



**Fugitive Emission Monitoring Reports**

Report No. : ENV/ACIL/FE/MAR/2019-20/01  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**PROCESS FUGITIVE EMISSION TEST RESULTS**

Date	Locations	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	Limits ( $\mu\text{g}/\text{m}^3$ )
16.03.2020	Coal Storage Section	756	2000
17.03.2020	Lime Stone Storage Section	825	5000


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/FE/FEB/2019-20/01

Date : 03/03/2020

Order No. : 6700013506 / HO

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya**PROCESS FUGITIVE EMISSION TEST RESULTS**

Date	Locations	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	Limits ( $\mu\text{g}/\text{m}^3$ )
08.02.2020	Coal Storage Section	995	2000
09.02.2020	Lime Stone Storage Section	1263	5000

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/FE/JAN/2019-20/01  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Locations	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	Limits ( $\mu\text{g}/\text{m}^3$ )
07.01.2020	Coal Storage Section	986	2000
07.01.2020	Lime Stone Storage Section	1344	5000


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/FE/DEC/2019-20/01

Order No. : 6700013506 / HO

Date : 06/01/2020

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Locations	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	Limits ( $\mu\text{g}/\text{m}^3$ )
20.12.2019	Coal Storage Section	944	2000
20.12.2019	Lime Stone Storage Section	1296	5000

*Pankaj Baroi*  


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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/FE/NOV/2019-20/01  
 Date : 02/12/2019

Order No. : 6700013506 / HO  
 Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Locations	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	Limits ( $\mu\text{g}/\text{m}^3$ )
24.11.2019	Coal Storage Section	929	2000
24.11.2019	Lime Stone Storage Section	1372	5000



Handwritten signature: Pankaj Baroi  
 Circular stamp: ENVIROCON Digboi Assam, Recognised by PCB, Assam & MSPCB, Meghalaya

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/FE/OCT/2019-20/01

Date : 04/11/2019

Order No. : 6700013506 / HO

Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD

Village: Umlaper, Elaka Rymbai

Meghalaya

### PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Locations	Fugitive Emission Results for SPM ( $\mu\text{g}/\text{m}^3$ )	Limits ( $\mu\text{g}/\text{m}^3$ )
16.10.2019	Coal Storage Section	915	2000
16.10.2019	Lime Stone Storage Section	1229	5000



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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

---

**Annexure - II (E)**

**Drinking Water Testing Reports**



**Report No. : ENV/ACIL/DW/MAR/2019-20/01**  
**Date : 30/03/2020**
**Order No. : 6700013506 / HO**  
**Date : 10/10/2019**
**M/s AMRIT CEMENTS INDUSTRIES LTD**

 Village: Umlaper, Elaka Rymbai  
 Meghalaya

**DRINKING WATER ANALYSIS TEST RESULTS**

 Sample Type : Drinking Water  
 Sample Source : CCR

 Collected By: Jointly by Envirocon & Client  
 Collected On: 17.03.2020

Sl. No.	Parameters	Results	Desirable Limit (IS:11100:2012)
01	Colour, Hazen Units, Max	<1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	0.21	1.0
05	pH	6.9	6.5 – 8.5
06	Total Dissolved Solids, mg/l, Max	58	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	22	75
10	Chloride (as Cl), mg/l, Max	18	250
11	Copper (as Cu), mg/l, Max	ND	0.11
12	Fluorides (as F), mg/l, Max	ND	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	0.011	0.3
15	Magnesium (as Mg), mg/l, Max	4.3	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO <sub>3</sub> ), mg/l, Max	ND	45
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max	ND	0.001
20	Sulfate (as SO <sub>4</sub> ), mg/l, Max	22	200
21	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max	67	200
22	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	12	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.11
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Selenium (as Se), mg/l, Max	ND	0.01
28	Total Arsenic (as As), mg/l, Max	ND	0.01
29	Total Chromium, (as Cr), mg/l, Max	ND	0.11
30	Anionic Detergents (as MBAS), mg/l	ND	0.2
31	Total Coliform, MPN/100 ml	NIL	10 Max
32	Faecal Coliforms/ 100 ml	NIL	Absent
33	E. Coli / 100 ml	NIL	Absent

Analysis Protocol: IS 3025

ND: Not Detected

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/DW/FEB/2019-20/01  
Date : 03/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**DRINKING WATER ANALYSIS TEST RESULTS**

Sample Type : Drinking Water  
Sample Source : CCR

Collected By: Jointly by Envirocon & Client  
Collected On: 09.02.2020

Sl. No.	Parameters	Results	Desirable Limit (IS:11100:2012)
01	Colour, Hazen Units, Max	<1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	0.14	1.0
05	pH	6.8	6.5 – 8.5
06	Total Dissolved Solids, mg/l, Max	63	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	17.2	75
10	Chloride (as Cl), mg/l, Max	23.6	250
11	Copper (as Cu), mg/l, Max	ND	0.11
12	Fluorides (as F), mg/l, Max	ND	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	0.009	0.3
15	Magnesium (as Mg), mg/l, Max	6.2	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO <sub>3</sub> ), mg/l, Max	ND	45
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max	ND	0.001
20	Sulfate (as SO <sub>4</sub> ), mg/l, Max	20	200
21	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max	72	200
22	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	19	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.11
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Selenium (as Se), mg/l, Max	ND	0.01
28	Total Arsenic (as As), mg/l, Max	ND	0.01
29	Total Chromium, (as Cr), mg/l, Max	ND	0.11
30	Anionic Detergents (as MBAS), mg/l	ND	0.2
31	Total Coliform, MPN/100 ml	NIL	10 Max
32	Faecal Coliforms/ 100 ml	NIL	Absent
33	E. Coli / 100 ml	NIL	Absent

Analysis Protocol: IS 3025

ND: Not Detected

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/DW/JAN/2019-20/01  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**  
Village: Umlaper, Elaka Rymbai  
Meghalaya

### DRINKING WATER ANALYSIS TEST RESULTS

Sample Type : Drinking Water  
Sample Source : CCR

Collected By: Jointly by Envirocon & Client  
Collected On: 08.01.2020

Sl. No.	Parameters	Results	Desirable Limit (IS:11100:2012)
01	Colour, Hazen Units, Max	<1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	0.17	1.0
05	pH	6.7	6.5 – 8.5
06	Total Dissolved Solids, mg/l, Max	36.7	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	19.4	75
10	Chloride (as Cl), mg/l, Max	21.2	250
11	Copper (as Cu), mg/l, Max	ND	0.11
12	Fluorides (as F), mg/l, Max	ND	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	0.007	0.3
15	Magnesium (as Mg), mg/l, Max	5.8	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO <sub>3</sub> ), mg/l, Max	ND	45
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max	ND	0.001
20	Sulfate (as SO <sub>4</sub> ), mg/l, Max	25	200
21	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max	95	200
22	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	12	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.11
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Selenium (as Se), mg/l, Max	ND	0.01
28	Total Arsenic (as As), mg/l, Max	ND	0.01
29	Total Chromium, (as Cr), mg/l, Max	ND	0.11
30	Amionic Detergents (as MBAS), mg/l	ND	0.2
31	Total Coliform, MPN/100 ml	NIL	10 Max
32	Faecal Coliforms/ 100 ml	NIL	Absent
33	E. coli / 100 ml	NIL	Absent

Analysis Protocol: IS 3025

ND: Not Detected

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/DW/DEC/2019-20/01  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**DRINKING WATER ANALYSIS TEST RESULTS**

Sample Type : Drinking Water  
Sample Source : CCR

Collected By: Jointly by Envirocon & Client  
Collected On: 21.12.2019

Sl. No.	Parameters	Results	Desirable Limit (IS:11100:2012)
01	Colour, Hazen Units, Max	<1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	0.22	1.0
05	pH	6.9	6.5 – 8.5
06	Total Dissolved Solids, mg/l, Max	18.6	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	38	75
10	Chloride (as Cl), mg/l, Max	27.6	250
11	Copper (as Cu), mg/l, Max	ND	0.11
12	Fluorides (as F), mg/l, Max	ND	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	0.014	0.3
15	Magnesium (as Mg), mg/l, Max	6.3	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO <sub>3</sub> ), mg/l, Max	ND	45
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max	ND	0.001
20	Sulfate (as SO <sub>4</sub> ), mg/l, Max	45	200
21	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max	88	200
22	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	15	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.11
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Selenium (as Se), mg/l, Max	ND	0.01
28	Total Arsenic (as As), mg/l, Max	ND	0.01
29	Total Chromium, (as Cr), mg/l, Max	ND	0.11
30	Anionic Detergents (as MBAS), mg/l	ND	0.2
31	Total Coliform, MPN/100 ml	NIL	10 Max
32	Faecal Coliforms/ 100 ml	NIL	Absent
33	E. Coli / 100 ml	NIL	Absent

Analysis Protocol: IS 3025

ND: Not Detected

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/DW/NOV/2019-20/01  
 Date : 02/12/2019

Order No. : 6700013506 / HO  
 Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
 Meghalaya

**DRINKING WATER ANALYSIS TEST RESULTS**

Sample Type : Drinking Water  
 Sample Source : CCR

Collected By: Jointly by Envirocon & Client  
 Collected On: 25.11.2019

Sl. No.	Parameters	Results	Desirable Limit (IS:11100:2012)
01	Colour, Hazen Units, Max	<1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	0.18	1.0
05	pH	6.8	6.5 – 8.5
06	Total Dissolved Solids, mg/l, Max	154	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	34	75
10	Chloride (as Cl), mg/l, Max	14.6	250
11	Copper (as Cu), mg/l, Max	ND	0.11
12	Fluorides (as F), mg/l, Max	ND	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	0.020	0.3
15	Magnesium (as Mg), mg/l, Max	5.8	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO <sub>3</sub> ), mg/l, Max	ND	45
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max	ND	0.001
20	Sulfate (as SO <sub>4</sub> ), mg/l, Max	30	200
21	Total Alkalinity(as CaCO <sub>3</sub> ), mg/l, Max	74	200
22	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	12	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.11
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Selenium (as Se), mg/l, Max	ND	0.01
28	Total Arsenic (as As), mg/l, Max	ND	0.01
29	Total Chromium, (as Cr), mg/l, Max	ND	0.11
30	Anionic Detergents (as MBAS), mg/l	ND	0.2
31	Total Coliform, MPN/100ml	NIL	10 Max
32	Faecal Coliforms/ 100ml	NIL	Absent
33	E. Coli / 100 ml	NIL	Absent

Analysis Protocol: IS 3025

ND: Not Detected

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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/DW/OCT/2019-20/01  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**DRINKING WATER ANALYSIS TEST RESULTS**

Sample Type : Drinking Water  
Sample Source : CCR

Collected By: Jointly by Envirocon & Client  
Collected On: 17.10.2019

Sl. No.	Parameters	Results	Desirable Limit (IS:11100:2012)
01	Colour, Hazen Units, Max	<1	5
02	Odour	Odourless	Agreeable
03	Taste	Acceptable	Agreeable
04	Turbidity, NTU, Max	0.21	1.0
05	pH	6.9	6.5 - 8.5
06	Total Dissolved Solids, mg/l, Max	177	500
07	Aluminium (as Al), mg/l, Max	ND	0.03
08	Boron (as B), mg/l, Max	ND	0.5
09	Calcium (as Ca), mg/l, Max	36	75
10	Chloride (as Cl), mg/l, Max	15.8	250
11	Copper (as Cu), mg/l, Max	ND	0.11
12	Fluorides (as F), mg/l, Max	ND	1.0
13	Free Residual Chlorine, mg/l, Min	ND	0.2
14	Iron (as Fe), mg/l, Max	0.019	0.3
15	Magnesium (as Mg), mg/l, Max	5.6	30
16	Manganese (as Mn), mg/l, Max	ND	0.1
17	Zinc (as Zn), mg/l, Max	ND	5.0
18	Nitrate (as NO <sub>3</sub> ), mg/l, Max	ND	45
19	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH), mg/l, Max	ND	0.001
20	Sulfate (as SO <sub>4</sub> ), mg/l, Max	35	200
21	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max	91	200
22	Total Hardness, (as CaCO <sub>3</sub> ), mg/l, Max	14	200
23	Cadmium (as Cd), mg/l, Max	ND	0.003
24	Cyanide (as CN), mg/l, Max	ND	0.11
25	Lead (as Pb), mg/l, Max	ND	0.01
26	Mercury (as Hg), mg/l, Max	ND	0.001
27	Selenium (as Se), mg/l, Max	ND	0.01
28	Total Arsenic (as As), mg/l, Max	ND	0.01
29	Total Chromium, (as Cr), mg/l, Max	ND	0.11
30	Anionic Detergents (as MBAS), mg/l	ND	0.2
31	Total Coliform, MPN/100 ml	NIL	10 Max
32	Faecal Coliforms/ 100 ml	NIL	Absent
33	E. Coli / 100 ml	NIL	Absent

Analysis Protocol: IS 3025

ND: Not Detected

Checked By: Mr. Paulraj Baro



- NOTE:**
1. Results reported are valid at the time of analysis 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, Digboi Stores Building, New Market, Digboi - 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

<p><b>STP Water Testing Reports</b></p>
---

Report No. : ENV/ACIL/STP/MAR/2019-20/01

Order No. : 6700013506 / HO

Date : 30/03/2020

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### WASTE WATER ANALYSIS RESULTS

Sample Type : Treated STP Water  
Sample Source : STP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 10.02.2020

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.1	5.5 – 9.0
02	Temperature	°C	24.2	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	38	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	28	30
05	Chemical Oxygen Demand	mg/l	137	250
06	Oil & Grease	mg/l	<0.01	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	12.4	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	33.2	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIP), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/STP/FEB/2019-20/01

Order No. : 6700013506 / HO

Date : 03/03/2020

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**WASTE WATER ANALYSIS RESULTS**

Sample Type : Treated STP Water  
Sample Source : STP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 10.02.2020

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.4	5.5 – 9.0
02	Temperature	°C	23.5	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	28	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	25	30
05	Chemical Oxygen Demand	mg/l	84	250
06	Oil & Grease	mg/l	<0.01	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	9.6	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	17.2	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/STP/JAN/2019-20/01

Order No. : 6700013506 / HO

Date : 18/01/2020

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**WASTE WATER ANALYSIS RESULTS**

Sample Type : Treated STP Water  
Sample Source : STP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 08.01.2020

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.2	5.5 – 9.0
02	Temperature	°C	17.6	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	24.7	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	26	30
05	Chemical Oxygen Demand	mg/l	89	250
06	Oil & Grease	mg/l	<0.01	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	8.4	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	14.7	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/STP/DEC/2019-20/01

Order No. : 6700013506 / HO

Date : 06/01/2020

Date : 10/10/2019

M/s AMRIT CEMENTS INDUSTRIES LTD

Village: Umlaper, Elaka Rymbai

Meghalaya

### WASTE WATER ANALYSIS RESULTS

Sample Type : Treated STP Water

Collected By: Jointly by Envirocon & Client

Sample Source : STP Outlet

Collected On: 21.12.2019

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.4	5.5 – 9.0
02	Temperature	°C	19.2	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	22.6	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	25	30
05	Chemical Oxygen Demand	mg/l	86	250
06	Oil & Grease	mg/l	<0.01	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	8.2	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	15.8	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/STP/NOV/2019-20/01

Order No. : 6700013506 / HO

Date : 02/12/2019

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### WASTE WATER ANALYSIS RESULTS

Sample Type : Treated STP Water  
Sample Source : STP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 25.11.2019

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.5	5.5 - 9.0
02	Temperature	°C	23	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	16.4	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	23	30
05	Chemical Oxygen Demand	mg/l	69	250
06	Oil & Grease	mg/l	<0.01	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	7.7	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	13.2	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/STP/OCT/2019-20/01  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### WASTE WATER ANALYSIS RESULTS

Sample Type : Treated STP Water  
Sample Source : STP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 17.10.2019

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.7	5.5 – 9.0
02	Temperature	°C	26	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	14.9	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	22	30
05	Chemical Oxygen Demand	mg/l	76	250
06	Oil & Grease	mg/l	<0.01	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	7.2	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	12.9	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

---

**Annexure - II (G)**

**ETP Water Testing Reports**

Report No. : ENV/ACIL/ETP/MAR/2019-20/01  
Date : 30/03/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**ETP WATER ANALYSIS RESULTS**

Sample Type : Treated ETP Water  
Sample Source : ETP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 10.02.2020

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.2	5.5 – 9.0
02	Temperature	°C	24.1	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	22	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	24	30
05	Chemical Oxygen Demand	mg/l	96	250
06	Oil & Grease	mg/l	1.6	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	3.2	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	16.8	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/ETP/FEB/2019-20/01

Order No. : 6700013506 / HO

Date : 03/03/2020

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**ETP WATER ANALYSIS RESULTS**

Sample Type : Treated ETP Water  
Sample Source : ETP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 10.02.2020

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.1	5.5 – 9.0
02	Temperature	°C	23.2	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	25	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	26	30
05	Chemical Oxygen Demand	mg/l	90	250
06	Oil & Grease	mg/l	1.3	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	8.7	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	24.6	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.



Report No. : ENV/ACIL/ETP/JAN/2019-20/01  
Date : 18/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

### ETP WATER ANALYSIS RESULTS

Sample Type : Treated ETP Water  
Sample Source : ETP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 08.01.2020

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	5.7	5.5 – 9.0
02	Temperature	°C	17.7	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	26.4	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	26	30
05	Chemical Oxygen Demand	mg/l	92	250
06	Oil & Grease	mg/l	5.2	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	8.9	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	22.4	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/ETP/DEC/2019-20/01  
Date : 06/01/2020

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**ETP WATER ANALYSIS RESULTS**

Sample Type : Treated ETP Water  
Sample Source : ETP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 21.12.2019

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.4	5.5 – 9.0
02	Temperature	°C	19.2	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	27.6	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	26	30
05	Chemical Oxygen Demand	mg/l	89	250
06	Oil & Grease	mg/l	4.8	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	9.2	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	20.8	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/ETP/NOV/2019-20/01

Order No. : 6700013506 / HO

Date : 02/12/2019

Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai

Meghalaya

**ETP WATER ANALYSIS RESULTS**

Sample Type : Treated ETP Water

Collected By: Jointly by Envirocon & Client

Sample Source : ETP Outlet

Collected On: 25.11.2019

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.2	5.5 – 9.0
02	Temperature	°C	23.2	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	14.5	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	24	30
05	Chemical Oxygen Demand	mg/l	82	250
06	Oil & Grease	mg/l	3.2	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	9.6	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	21.4	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No. : ENV/ACIL/ETP/OCT/2019-20/01  
Date : 04/11/2019

Order No. : 6700013506 / HO  
Date : 10/10/2019

**M/s AMRIT CEMENTS INDUSTRIES LTD**

Village: Umlaper, Elaka Rymbai  
Meghalaya

**ETP WATER ANALYSIS RESULTS**

Sample Type : Treated ETP Water  
Sample Source : ETP Outlet

Collected By: Jointly by Envirocon & Client  
Collected On: 17.10.2019

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Desirable Limits (IS: 2490)
01	pH	--	6.5	5.5 – 9.0
02	Temperature	°C	26	shall not exceed 5°C above the receiving water temperature
03	Total Suspended Solids	mg/l	16.8	100
04	Biochemical Oxygen Demand (3 Days @27°C)	mg/l	25	30
05	Chemical Oxygen Demand	mg/l	88	250
06	Oil & Grease	mg/l	2.8	10
07	Total Residual Chlorine	mg/l	<0.01	1.0
08	Ammonical Nitrogen (as N)	mg/l	10.3	50
09	Total Kjeldahl Nitrogen (as NH <sub>3</sub> )	mg/l	22.5	100
10	Free Ammonia (as NH <sub>3</sub> )	mg/l	<0.01	5.0

Analysis Protocol: IS 3025



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, Digboi Stores Building, New Market, Digboi – 786171, Assam.

**Core Services:** Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs  
**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

---

**Annexure - III**

**Water Sprinkling Photographs at loading-unloading area & road site**

Water Sprinkling Photographs at loading-unloading area & Road Site



Water Sprinkling Photographs at loading-unloading area & Road Site



Water Sprinkling Photographs at loading-unloading area & Road Site





Water Sprinkling Photographs at loading-unloading area & Road Site



Water Sprinkling Photographs at loading-unloading area & Road Site



---

---

**Annexure - IV**

<p><b>Green Belt Development Details</b></p>
--

## Green Belt Development Details

Sl.No.	YEAR	AREA COVERED (ha.)	TYPE	NO. of Plant Planted	Species of Plant Planted
1	December 2011 to March 2020	Approx 6.13 ha	Trees	21409	Aam, Agar, Amlakhi, Arjun, Ashoka, Ashoka Tree, Atlas, Bel, Bhat Ghilla , Bhelkar Bhomora, Bogi Poma, Bokul, Bonsun, Ejar Casheru, Dalchini, , Gamari,Ghora Neem, Guava, Gul Nemu, Holok, Jalpai, Jamun, Tetuka, Kadam, Kaji Nemu, , Leteku, Litchi, Kamini Kamchan,Kanchan,Kardoi, Mehgoni Kathal,Khakan, Korjatenga, Lemon, Moj, Nahor, Orange, Outenga, Raktalal, Sisoo, Chandan,Rawabtenga,Rohdoi,Segun,Silikha, Silver Oak, Sirish, Tea Tree, Titachap, Champa,Mango,Conesh,Elika Pam, Thuja, Amora,Jamuk, Holok, Semulu,Tejpat, Khakan, Hollong, Sonaru, Teteli, Boga Jamu.
			Seasonal Flower	5780	Calendula,Rose General/Chinese, Marigold, Hasnahana, Pelocia , Gagonia, Rose, Dahalia, Madhabilota, Bottle Plam, Vogan Vila, Golden Ficus, Black Ficus, Masunda,Sinaria,Lilim, Begonia ,Eraka Pamps,Aster, Liliyam, Begonia, Seneria Haidenia, Jinian,Sunflower, , Agonika, Shaiklomen, Dhalia ,Raino Glass, Polion Thus Etc.
			Grass sqm.	1420	Carpet Grass & Local Grass, Bamboo
<b>Total</b>		<b>Approx 6.13 ha</b>	Trees	21409	
			Seasonal Flower	5780	
			Grass sqm.	1420	

## Photographs of Green Belt Development



## Photographs of Green Belt Development



## Photographs of Green Belt Development



Photographs of Green Belt Development





## Photographs of Green Belt Development



## Photographs of Green Belt Development



## Photographs of Green Belt Development



**CSR Report**

**Amrit Cement Limited**  
**Meghalaya**  
**Report on CSR (Corporate Social Responsibility)**  
**October, 2019 to March, 2020**

**CSR APPROACH-**

Corporate Social Responsibility (CSR) is an integral part of Cairn's business philosophy and strategic planning, as sustainable and inclusive growth in our area of operation is essential for the holistic development of communities that are the target beneficiaries of our CSR initiatives.

The Company undertakes a range of activities to improve living conditions in its operational areas. It also conducts regular medical health camps create awareness regarding health, hygiene and safety among the people. Sustainability initiatives encompass education, healthcare, cultural events and others.

**Health Care-**

ACL has been conducting regular medical health camps & Mobile Clinic Consultancy Programme in his operational area under the guideline of expert team of medical staff including good doctors, Para medical staff or nurses with the aim to reduce the health problem in its operational area & create the good healthy environment among the community.

To conduct the regular medical health's checkup camp at village level.

To educate the villagers on various aspect of health & precaution required to keep healthy health.

**Photos of Health Programme:-**





## **EDUCATION:**

Our aim towards strengthening the primary level education-

To aware, the parents towards the importance of education with support of teachers & educated youth at village level by starting the concept of PTA (Parents teacher association) to motivate the parents to send their children at school & take responsibility of care taking their children at home also.

To start some additional education classes at village level with the poor deserving students by the of support teachers & good educated youth to improve the existing system & value addition in existing system of education at primary level.

To motivate the parents & youth of villages to send their children's at school & reduce the case of drop out at village level.

### **Photos:-**





**Awareness Programme on Hygiene:**



**Awareness Programme on Safe Motherhood**





India has among the highest number of maternal deaths of any country in the world today. Every five minutes one woman in India dies from complication related to pregnancy and childbirth. This result in over 100,000 mothers dying every year.

ACL has recognized the fact, in his initial work of field practice & decide to do the work on safe motherhood to reduce the mortality & morbidity ratio in its operational area. We are conducting regular awareness program on safe motherhood with the involvement of mothers & adolescence girls at field level under the supervision of expert ANM.

Aspect which we are covering under safe motherhood programs:-

1. To inform & sensitize the community about the precaution to be taken before & after pregnancy.
2. To educate the women about the immunization system of child.
3. To aware, the women against the malnutrition & fooding pattern required during pregnancy.
4. To facilitate the women about the institutional delivery & various benefit under the JSY scheme of Government.

### **AWARENESS PROGRAMME ON ADOLESCENT GIRLS:**



## **AWARENESS PROGRAMME ON ADOLESCENT GIRLS:**

Adolescence (between the ages of 11-18 years) is a transition period in life, when an individual is no longer a child, but not yet an adult. It is important to note that adolescents are not a homogeneous group – their needs vary according to gender, stage of development, life circumstances and socio-economic conditions. A general lack of understanding about the particular needs of Indian adolescents, specifically adolescent girls, persists in India and the wider global community. The Indian context calls for a focus on adolescent girls due to their general vulnerability, inaccessibility to basic health care and education, unmet sexual and reproductive health needs and rights, and age old traditions and misconceptions that have seen this cohort marginalized.

ACL has recognized the facts & taken initiating to create awareness among the adolescent girls to achieve the following objectives:-

- To Enable the Adolescent Girls for self-development and empowerment.
- To improve their nutrition and health status.
  - To promote awareness about health, hygiene, nutrition, Adolescent Reproductive and Sexual Health (ARSH) and family and child care.
- To Upgrade their home-based skills, life skills and tie up with National Skill Development Programs (NSDP) for vocational skills.
- To Mainstream out of school AGs into formal/non formal education.
- To Provide information/guidance about existing public services such as PHC, CHC, Post Office, Bank, and Police Station.

---

**Annexure - VI**

**Occupational Health Check-up Reports**

**SAHARIA'S PATH LAB**  
G. S. Road, Bhangagarh, Ghy-05  
Ph-03612458594 (M)8876937735

To  
Mr. Gopal Bora,  
Amrit Cement Ltd.,  
Jaintia Hills, Meghalaya

Date : 06/04/2019

Sub : Summary of occupational check-up held on 25/03/2019 & 26/03/2019.

SL. No.	Name of the Employees	Age	Sex	Blood RE	Urine RE	Sputum AFB	Audiometry	Spirometry	X-Ray
1	SUNIL SINHA	34	M	Normal	Normal	Normal	Normal	Airway obs.	Normal
2	SUSHANTA DEY	22	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
3	JAHIR AHMED	37	M	Normal	Normal	Normal	Normal	Normal	Normal
4	RABIRAM RAMCHIARY	50	M	Normal	Normal	Normal	Normal	Normal	Heart Shows LV Prominence
5	KAUSHAL KISHOR PANDEY	25	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
6	JAYANTA DEB	42	M	Normal	Normal	Normal	Mild sensori	Mild Rest.	Normal
7	BAIDYANATH BORO	39	M	Normal	Normal	Normal	Normal	Normal	Normal
8	SWGWMASAR SWARGIARY	27	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
9	ANANDA RAM DAS	54	M	Normal	Normal	Normal	Normal	Airway disease	Normal
10	ABDUL NOOR	46	M	Normal	Normal	Normal	Mild Loss	Normal	Normal
11	BIKUL DAS	38	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
12	KAMAL GOYARY	35	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
13	SHAMSUL HAQUE LASKAR	50	M	Normal	Normal	Normal	Mild Loss	Mixed Pattern	Normal
14	MADAN MOHAN UPADHYAY	50	M	Normal	Normal	Normal	Normal	Mild Rest.	LV type Cardiomegaly
15	CHIRANMOY SINHA	28	M	Normal	Normal	Normal	Normal	Normal	Normal
16	A PREMANANDA SINGHA	35	M	Normal	Normal	Normal	Normal	Normal	Normal
17	ABHINEET KUMAR TIWARI	29	M	Normal	Normal	Normal	Normal	Normal	Normal

CS Scanned with  
CamScanner



**SAHARIA'S PATH LAB**  
G. S. Road, Bhangagarh, Ghy 05  
Ph-03612458594 (M)8876937735

SL. No.	Name of the Employees	Age	Sex	Blood RE	Urine RE	Sputum AFB	Audiometry	Spirometry	X-Ray
18	DIPAK HANDIQUE	26	M	Normal	Alb - Trace	Normal	Normal	Normal	Normal
19	SHAIENDRA KR MEHTA	36	M	Normal	Normal	Normal	Normal	Severe obs.	Normal
20	ROMA KANTA SINHA	37	M	Normal	Normal	Normal	Normal	Normal	Normal
21	KALLUL DAS	38	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
22	BHASKARJYOTI BORA	26	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
23	DHAJEN MANDAL	33	M	Normal	Normal	Normal	Normal	Normal	Koch's Activity
24	AJIT KUMAR	24	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
25	NIRMAL SINHA	39	M	Normal	Normal	Normal	Normal	Normal	Normal
26	SANTOSH KR KUSHWAHA	42	M	Normal	Normal	Normal	Mild Loss	Mild Rest.	Normal
27	BIJU ROY	31	M	Normal	Normal	Normal	Normal	Severe obs.	Normal
28	KH. SANAHAL SINGHA	31	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
29	APU DUTTA	36	M	Normal	Normal	Normal	Mild Loss	Mild Rest.	Normal
30	PRITAM HAZAM	28	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
31	RUPAM GOGOI	30	M	Normal	Alb - Trace	Normal	Normal	Mixed Blockage	Normal
32	DEBOJO PROLAY SONKAR	31	M	Normal		Normal	Normal	Mild Rest.	Normal
33	MD SADIQUE MD HUSSAIN	45	M	Normal	Normal	Normal	Normal	Airway obs.	Normal
34	ABDULLA BARBHUIYA	23	M	Normal	Normal	Normal	Normal	Normal	Normal
35	JITU DAS	29	M	Eosino - 8	Normal	Normal	Normal	Mild Rest.	Normal
36	CHANDAN MISHRA	35	M	Normal	Normal	Normal	Mild Loss	Moderate Rest.	Normal
37	RAVI RANJAN KUMAR	31	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
38	DALIMUDDIN CHOUDHURY	26	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
39	RABJIT SINGHA	32	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
40	MANASHJYOTI GOGOI	27	M	Normal	Normal	Normal	Normal	Normal	Normal
41	DHANANJAY KUMAR	34	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal

CS Scanned with  
CamScanner



**SAHARIA'S PATH LAB**  
G. S. Road, Bhangagarh, Ghy-05  
Ph-03612458594 (M)8876937735

SL. No.	Name of the Employees	Age	Sex	Blood RE	Urine RE	Sputum AFB	Audiometry	Spirometry	X-Ray
42	AVINEET KUMAR	42	M	Normal	Normal	Normal	Normal	Normal	Normal
43	RAJEEV KR SINGH	35	M	Normal	Normal	Normal	Mild Loss	Normal	Normal
44	PAWAN KR. BORAH	48	M	Normal	Normal	Normal	Mild Loss	Moderate Rest.	Normal
45	RAJESH KR. DALEI	29	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
46	Y D PRASHANT	38	M	Normal	Normal	Normal	Normal	Normal	Normal
47	BHASKARJYOTI GOGOI	26	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
48	RAJ KUMAR SINGH	51	M	Normal	Normal	Normal	Mild Loss	Mild Rest.	Normal
49	JOMIL HUSSAIN	20	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
50	AJEET PRATAP SINGH	47	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
51	BABLU CHANDA	36	M	Normal	Normal	Normal	Normal	Normal	Normal
52	JOHN EKKA	33	M	Normal	Sugar - Trace	Normal	Mild Loss	Moderate Rest.	Normal
53	NAVIN SINHA	36	M	Hb - 7.3%	Normal	Normal	Normal	Severe obs.	Normal
54	BITUPAN	29	M	Normal	Normal	Normal	Normal	Normal	Normal
55	PRANJAL CHABUKDHARA	28	M	Normal	Normal	Normal	Normal	Severe obs.	Normal
56	SAMIR DAS	32	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
57	VIJAY KUMAR SHARMA	48	M	Normal	Normal	Normal	Normal	Mixed Blockage	Normal
58	BIKASH ROY	25	M	Normal	Normal	Normal	Normal	Normal	Normal
59	SANTOSH GHIMIRE	30	M	Normal	Normal	Normal	Normal	Severe obs.	Normal
60	LAKHI KANTA SAIKIA	43	M	Normal	Normal	Normal	Normal	Mixed Blockage	Normal
61	PUSHPENDRA YADAV	30	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
62	ABDUS SUBHAN	33	M	Normal	Normal	Normal	Mild Loss	Normal	Normal
63	ABDUS SAMAD LASKAR	30	M	Normal	Normal	Normal	Normal	Normal	Normal
64	JITU DEKA	37	M	Hb - 10.2%	Normal	Normal	Mild Loss	Mild Rest.	Normal
65	RANJIT TERON	28	M	Platelet - 1 lac	Normal	Normal	Normal	Mild Rest.	Normal

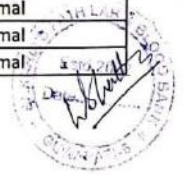
CS Scanned with CamScanner



**SAHARIA'S PATH LAB**  
G. S. Road, Bhangagarh, Ghy-05  
Ph-03612458594 (M)8876937735

SL. No.	Name of the Employees	Age	Sex	Blood RE	Urine RE	Sputum AFB	Audiometry	Spirometry	X-Ray
66	BILAL AHMED	26	M	Normal	Normal	Normal	Normal	Normal	Normal
67	ASHUTOSH KR. TIWARI	25	M	Normal	Normal	Normal	Normal	Normal	Normal
68	PRIYANK TRIPATHI	27	M	Normal	Normal	Normal	Normal	Moderate Rest.	Active Pleural Pathology
69	KAMAL DEKA	30	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
70	MUKESH KR. THAKUR	45	M	Normal	Normal	Normal	Normal	Normal	Normal
71	SWARUP SINHA	24	M	Eosino - 7	Normal	Normal	Normal	Moderate Rest.	Normal
72	SUBRATA MALLIK	24	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
73	UTTAM KR. NATH	31	M	Normal	Normal	Normal	Normal	Severe obs.	Normal
74	UTPAL BORA	35	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
75	SURENDRA RAM	41	M	Normal	Sugar - Trace	Normal	Normal	Mild Rest.	Normal
76	UTTAM NANDI	44	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
77	MD. ZUBER	26	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal
78	TAJIB UDDIN	30	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
79	DHRUBAJYOTI BHATTACHARJEE	33	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
80	MANOJ JOSHI	30	M	Normal	Normal	Normal	Normal	Normal	Normal
81	AMOL KHONDE	32	M	Normal	Normal	Normal	Normal	Normal	Normal
82	ANUP DAS	40	M	Normal	Normal	Normal	Normal	Airway obs.	Normal
83	DURGESWAR DEORI	34	M	Eosino - 13%	Normal	Normal	Normal	Normal	Normal
84	RIJUSH SINHA	27	M	Normal	Normal	Normal	Normal	Severe obs.	Normal
85	RUDRA PRATAP SINGH	23	M	Normal	Normal	Normal	Normal	Airway obs.	Normal
86	GOPAL BORA	26	M	Normal	Normal	Normal	Normal	Normal	Normal
87	DIRAJ LAHAN	26	M	Normal	Normal	Normal	Normal	Airway obs.	Normal
88	BISWAJIT SUKLA	29	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
89	ASHIT BHUSAN DAS	33	M	Platelet - 1 lac	Normal	Normal	Normal	Normal	Normal

CS Scanned with CamScanner



SAHARIA'S PATH LAB  
G. S. Road, Bhangagarh, Ghy-05  
Ph-03612458594 (M)8876937735

SL. No.	Name of the Employees	Age	Sex	Blood RE	Urine RE	Sputum AFB	Audiometry	Spirometry	X-Ray
90	DHRUBAJYOTI GOGOI	28	M	Normal	Normal	Normal	Normal	Normal	Normal
91	JABIRUDDIN	28	M	Normal	Normal	Normal	Normal	Normal	Normal
92	PALLAB GOGOI	25	M	Hb - 10.4%	Normal	Normal	Normal	Airway obs.	Normal
93	BISHNU NAG	23	M	Normal	Normal	Normal	Normal	Severe obs.	Normal
94	MADAN NATH JHA	29	M	Normal	Normal	Normal	Normal	Normal	Normal
95	SANDEEP JALAN	31	M	Normal	Normal	Normal	Normal	Airway obs.	Normal
96	SUNIL LOHAR	42	M	Platelet - 1 lac	Normal	Normal	Normal	Mild Rest.	Normal
97	MANIK CH. ROY	43	M	Platelet - 1 lac	Normal	Normal	Mild Loss	Mild Rest.	Normal
98	NRIPEN TALUKDAR	28	M	Normal	Normal	Normal	Normal	Normal	Normal
99	SUJAY DASGUPTA	35	M	Normal	Normal	Normal	Normal	Mild Rest.	Normal
100	K BHUPENDRA SINGH	29	M	Normal	Normal	Normal	Normal	Moderate Rest.	Normal



Your's faithfully  
For, Saharia's Path Lab

*[Signature]*  
Manager

**Recurring Expenditure towards Environmental Protection**

<b>Amrit Cement Limited</b>		
<b>Meghalaya</b>		
<b>Recurring Expenditure Towards Environmental Protection From October, 2019 to March, 2020</b>		
<b>SI No.</b>	<b>Particulars</b>	<b>Amount (Rs)</b>
1	Replacement of Bag Filters/Bags	1,01,631.00
2	Environmental Laboratory Cost	30,000.00
3	Gardening/Greenbelt Development	1,81,426.00
4	Third Party Testing & Monitoring	2,67,600.00
5	Environmental Awareness Programs	11,546.00
6	Salaries & Wages for Environment Monitoring & Lab Maintenance	2,16,000.00
	<b>Total</b>	<b>8,08,203.00</b>