

HILA NA PAOGE

Letter No: GSCL/EHS/2023-24/12

Dated: 30.05.2023

To,
The Ministry of Environment & Forests & Climate Change,
North Eastern Regional Office (NEZ),
Law-u-sib, Lumbatngen, Near MTC Workshop,
Near NTC Workshop, Shillong, Meghalaya-793021.

Sub: Six Monthly Compliance of Environment Clearance Letter of
M/s. Goldstone Cements Ltd, Vill: Musiang Lamare (old), Khliehriat, East Jaintia
Hills, Meghalaya-793200

Ref: Environment Clearance letter No:- J-11011/851/2008-IA II(I) dated 30.09.2010

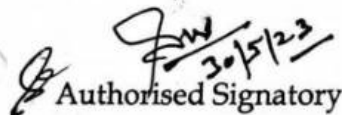
Dear Sir,

With the matter as cited in the subject, we would like to submit the **Half Yearly EC Compliance report for the period 01.10.2022 to 31.03.2023** on Environmental Stipulations for our Cement Plant along with Captive Power Plant located at Vill: Musiang Lamare (old), Khliehriat, Dist : East Jaintia Hills, Meghalaya -793200.

All annexures are enclosed as mentioned in compliance report for your kind reference.

Thanking You,

Yours faithfully
For Goldstone Cements Ltd.


Authorised Signatory



Encl: As mentioned above.

- CC: 1. Regional Director, Central Pollution Control Board, Regional Directorate-North East, Lower Motinagar, Shillong, Meghalaya-793014.
- 2. Member Secretary, Meghalaya State pollution Control Board, "ARDEN" Lumpyngngad, Shillong, Meghalaya-793014.



Goldstone Cements Limited
CIN No. : U26940ML2007PLC008298

COMPLIANCE REPORT (HALF YEARLY) FROM 1ST OCTOBER 2022 TO 31ST MARCH 2023

**ON ENVIRONMENTAL STIPULATIONS OF M/S. GOLDSTONE CEMENTS LTD –
ENVIRONMENTAL CLEARANCE VIDE MOEF LETTER NO. J-11011/851/2008-IA II (I), DATED 30.09.2010.**

SL No.	Facility	Total Capacity as per EC	Total installed capacity as on date	Percentage of capacity installed against total capacity as per EC
1	Clinker Kiln	1.65 MTPA	0.56 MTPA	34 %
2	Cement Grinding Facility	2.54 MTPA	0.88 MTPA	34 %
3	Captive Power Plant FBC	2 X 20 MW	10 MW	25 %

SL. NO	CONDITIONS	COMPLIANCE
A. SPECIFIC CONDITIONS		
i	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of SPM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution Control system. Electrostatic precipitators (ESP) to clinker cooler, bag house raw mill/kiln and bag filters to coal mill and cement mill. Low NOx burners should be provided to control NOx emissions.	<ul style="list-style-type: none"> •The Continuous Stack Monitor (Opacity Meters) is in working condition and online data is being transferred to CPCB & MSPCB. •ESP (Electrostatic Precipitators) for Clinker cooler, Bag house/Bag filters for Raw Mill / Coal Mill & other pollution control equipments are already installed in plant to keep PM below 30 mg/Nm³ in Cement Plant stacks and 50 mg/Nm³ in Captive Power Plant stack as per our consent guideline.
ii	Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB). A feasibility report shall be prepared and submitted to the ministry and its Regional office at Shillong within 03 months from the date of issue of the letter.	Against EC Approved capacity of 1.65 MTPA of Clinker Kiln, we have installed only 0.56 MTPA of Clinker Kiln which is only 34% of approved EC capacity. Kiln capacity being low, hot gases generated from the existing Kiln are required for drying the moisture in raw mill & cement mill. Similarly, waste heat of Kiln is largely utilized in raw mill & coal mill. Therefore, with the present installed capacity, very less quantum of hot gases is left. However, we have carried out the feasibility study for our plant for installation of WHRB and will initiate necessary action depending upon operational and economic feasibility.
iii	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November 2009 shall be followed.	The same is being followed during operation of plant. Ambient air quality monitoring is being done as per standards. Ambient air quality parameters are found to be within the limit for all the parameters. <i>(Details attached in Annexure-1)</i>

iv	<p>Secondary fugitive emission shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of practice issued by the CPCB in this regard should be followed.</p>	<p>All material transfer points are provided with Bag filters to control fugitive emission. Construction of concrete roads is under progress in the plant. <i>(Photographs are enclosed in Annexure:2)</i></p> <p>Dust suppression is being done through water sprinklers installed in limestone crusher and plant roads.</p> <p>Full time water tanker is being deployed in the plant for water sprinkling on all roads. <i>(Photographs are enclosed in Annexure:2a)</i></p> <p>Guideline / Code of practice issued by the CPCB is being followed during operation of plant. Regular monitoring for control of secondary fugitive emission under prescribed limit is being done. <i>(Details attached in Annexure-1)</i></p>
v	<p>Effort shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and shall not be over loaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.</p>	<p>Raw Material and end products are transported keeping in consideration the surrounding environment and agriculture. Land is protected. There is separate designated parking space for truck parking. All the raw materials including fly ash is being transported in the closed/covered trucks within load capacity.</p> <p>It is ensured that without valid PUC no vehicle is allowed in plant premises. Few certificates are enclosed for your reference. <i>(Details attached in Annexure-3)</i></p>
vi	<p>Total water requirement for cement and captive power plant shall not exceed 2,370 m³ / day. All the treated wastewater shall be recycled and reused in the process and / or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'Zero' discharge should be adopted.</p>	<p>Total water requirement for Cement and Captive Power Plant at 2370 M³ / Day was assessed based upon total EC approved capacity. However, the actual installed capacity of Clinker Kiln & Cement Grinding is still at as 34% only of EC approved capacity. Similarly, actual installed capacity of Captive Power Plant is 25% of EC approved capacity. Hence, the proportionate water requirement is close to 700 M³ (approx.) / per day only, which is much lower than 2370 M³ / day assessed on EC approved capacity of production. Since the total water requirement itself is much lower that is 700 - 800 M³ / Day and therefore, the quantum of treated waste water is also reduced. To handle this lower quantum of waste water, plant has been designed as per close circuit arrangements for cooling water. Company has adopted "ZERC discharge" of waste water. All the treated wastewater is reused in the process and for dust suppression on roads.</p>
vii	<p>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 shall be met from other sources.</p>	<p>We have constructed a reservoir of 1 lac liter capacity in the west side. <i>(Photographs are enclosed in Annexure:4)</i></p>

viii	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional office at Shillong, SPCB and CPCB.	We are not generating any process effluent as the process water required for the cooling of bearing in cement plant is given treatment of cooling and sedimentation and entirely recycled. Effluent from DM plant is treated in a neutralization pit and treated water is reused entirely for dust suppression on haul roads. Regular monitoring is carried out of influent & effluent surface, sub-surface and treated waste water test results meet the norms prescribed by SPCB and same is submitted in SPCB & CPCB. <i>(Details attached in Annexure-1)</i>
ix	All the bag filter dust, raw mill 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. Spent oil and batteries shall be sold to authorized recyclers / re-processors only.	All the dust collected through pollution control equipment is either raw material or cement dust. Those are collected and recycled in a closed loop. Spent oil and batteries are sold to authorized recyclers.
x	All the fly ash shall be utilized as per fly ash Notification, 1999 subsequently amended in 2003. Effort shall be made to use fly ash maximum in making Pozzolana Portland Cement (PPC).	Fly ash generated in our captive power plant is completely used in manufacturing of Pozzolana Portland Cement (PPC)
xi	Effort shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.	Low grade limestone / Dolomite Stones are blended with high quality grade limestone. Fly ash generated in CPP is used in manufacturing of Pozzolana Portland Cement (PPC). We are manufacturing more of PPC over OPC.
xii	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision should be made accordingly.	The generation of high calorific hazardous waste inside our plant is very insignificant except a very small quantity of used lubricants and the same is incinerated in our Clinker Kiln.
xiii	As proposed, green belt shall be developed in at least 33% area in around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	Against EC Approved Capacity of 1.65 MTPA of Clinker Kiln, 2.54 MTPA of Cement Grinding Facility and 40 MW of Captive Power Plant, the present installed capacity as mentioned above is only 34% of approved EC Capacity in case of Clinker Kiln and Cement Grinding and 25% in case of Captive Power Plant. Our Plant area of Land is 51.411 Ha and as per stipulated condition in EC we have to develop 33% area in and around the cement plant. However, with much lower installed capacity as compared to EC Approved capacity, we have 15.858 Ha of green belt since inception. 0.507 ha was further developed. Thus against 33% of required green belt development 31.83% area of total plant land is already covered under green belt. Balance and required plantation shall be done in phase manner. Few photographs are attached herewith and marked as <u>Annexure-5</u> .

xiv	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants should be implemented.	All recommendations were considered during the design of plant and machineries and as such all the issues in this regard are complied with.
xv	All the commitments made to the public during the Public Hearing / Public consultation meeting held on 27 th November 2009 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional office at Shillong.	<p>All of the points of public hearing have been addressed and complied.</p> <p>Company has given preference to local people for employment in company.</p> <p>Company has conducted social development activities in nearby vicinity areas as health facilities, ambulance facilities, water facilities, free and subsidized cements for constructing the roads, churches, schools, community halls, cultural programmes and etc.</p>
xvi	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 shall 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.	<p>We have commenced commercial production during FY 2016 and have been incurring losses till FY 17-18. In very competitive marketing scenario and ever-increasing input costs of Raw material, fuel (HSD & coal) and other materials & services, we could somehow manage to keep the industry up and running with the objective that 1500 families dependent directly or indirectly on this project could survive. You are kindly aware that we are a new unit with only 6 years of existence since the commencement of commercial operations. The unit faced almost 2 years of pandemic time. However, under such conditions also our efforts were to keep the operations of plant as less impacted as could have been possible during the unfortunate pandemic period so that we are able to meet the fixed expenditure of salary, wages & welfare of employees. We are pleased to report that despite all challenges with two loss making years followed by two pandemic years, during total 6 years of life cycle of the unit till now post commercial operations, we could finally survive. During these trying times also, we have been carrying out welfare activities in the area of assisting the village school, contribution for COVID 19 PM care fund, contribution for COVID 19 Meghalaya CM care fund, distribution of Covid kits, contribution to local village areas & Elakas, providing assistance & support to villagers in rural housing development. Attached please find the expenditure incurred till now in the area of CSR and our further plan for yearly CSR activities having budget provision in line with stipulated EC condition marked <u>Annexure-6</u>.</p>

xvi i	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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Phase-1 of Project has already been completed. During Phase-1 project, all such facilities were ensured. Whenever next phase of project will commence in future, same shall again be adhered to.
B. GENERAL CONDITIONS		
i	The project authorities must strictly adhere to the stipulations made by the Meghalaya State Pollution Control Board and the State Government.	Stipulations mandated in the CTO are being adhered to.
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No expansion or modifications beyond EC approved capacity shall be undertaken without prior approval of MoEF except for the EC approved capacities.
iii	The gaseous emissions from various process units shall conform to the load / mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	Our unit with sophisticated technologies is able to meet with the new standards of emission for cement industries, including load-based standards.
iv	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, SO ₂ and NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional office at Shillong and the SPCB/CPCB once in six months.	Four numbers of Ambient Air Quality Monitoring Stations have been established with consultation of Meghalaya State Pollution Control Board. Monthly monitoring of ambient air quality is being carried out in four locations. Online emission monitoring system is installed in all the major stacks. Data on ambient air quality and stack emission are submitted to MOEF&CC, CPCB and MSPCB once in six months. <i>(Details are attached in Annexure-1)</i>
v	Industrial waste water shall be properly collected, treated so as to confirm to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	Treated wastewater from DM plant is used entirely in dust suppression measures. Process water requires for cooling of bearings in the cement plant and it is cooled, treated and recycled fully.



vi	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Care has been taken during project planning and ordering of equipment. Noise level is monitored and being found within the prescribed limit. <i>(Details are attached in Annexure-1)</i>
vii	Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of our workers is conducted as per Factories Act. A health care center is already available in our Plant Campus. Trained staff and Doctor are available with essential medicines for health surveillance on regular basis. The Occupational Health surveillance reports of our workers are enclosed as <u>Annexure 7.</u>
viii	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	We have already constructed the roof top rainwater ground water recharge system at our plant. Rainwater harvesting system from the roof tops is also available in CPP water reservoir. Photographs area attached and marked <u>Annexure-8.</u>
ix	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We are working on the implementation of the conditions given in EIA/EMP. We are sponsoring for community development programmes. We are providing the drinking water facility in nearby village. Health camps & eye check up camps are conducted in surrounding villages. We are providing free medicines, free ambulance services to local community.
x	As proposed, Rs 25 Crores and Rs 1.80 Crores shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of environment & Forests as well as the state government. An implementing all the conditions stipulated herein shall be submitted to the Regional office of the Ministry at Shillong. The Funds so provided shall not be diverted for any other purpose.	The proposed amount of Rs. 25 Crores and Rs. 1.80 Crores to be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures to implement the conditions stipulated by the Ministry of environment & Forests as well as State Government was based upon total installed capacity as approved in EC, i.e. 1.65 MTPA of Clinker Kiln, 2.54 MTPA of Cement Grinding Facility and 2x20 MW of Captive Power Plant. As mentioned hereinabove, our actual installed capacity in case of Clinker Kiln and Cement Grinding Facility is only at 34% and in case of Captive Power Plant at 25% of EC Approved capacity and thereby the pollution load too, the proportionate amount to be earmarked towards capital cost and recurring cost/annum for environmental pollution control measures comes to Rs. 8.50 Crores towards capital cost and 0.612 Crores per annum towards recurring cost to be incurred for environmental control measures. As against above, we have already incurred Rs. 26.01 Crores towards capital cost. Additionally, we have incurred Rs. 1.79 Crores towards recurring cost during the year 2022-23.



xi	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.	Has been implemented. Copy was already submitted to the MOEF &CC.
xii	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 shall simultaneously be sent to the Regional Office of the MOEF at Shillong. The respective Zonal office of CPCB and the SPCB. The criteria pollutant levels namely; PM 10, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral 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.	Environmental Parameters display board and LED Display board have been provided near company main gate. <u>(Photographs are enclosed in annexure-9)</u> The EC and Six Monthly EC compliance reports are uploaded in our company website http://gscl.blacktigerso.com/
xiii	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional office of MOEF, the respective Zonal office of CPCB and the SPCB. The Regional office of this Ministry at Shillong / CPCB /SPCB shall monitor the stipulated conditions.	Being Complied

xiv	The environmental statement for each financial year ending 31 st 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 office of the MOEF at Shillong by e-mail.	Being complied. Form-V (2021-22) has been submitted in Meghalaya State Pollution Control Board. Same is also uploaded in our company website http://gscl.blacktigerso.com/
xv	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 SPCB and may also be seen at website of the Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local news papers 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 should be forwarded to the Regional office at Shillong.	Same was implemented at the time of Phase-1 Project. Phase-1 project has been partially completed.
xvi	Project authorities shall inform the Regional Office 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.	Project Phase-1 has been partially completed complying with stipulated condition.


Amendment in Environmental Clearance conditions for prevention of Acid Mine Drainage (AMD) by virtue of the recommendation of NGT Committee in the matter of threat to life arising out of Coal Mining in South Garo Hills District vs State of Meghalaya & Ors in OA No. 110(THC)/2012, OA No. 73/2014, OA No. 13/2014, OA No. 186/2014 and OA No. 287/2017 etc. -reg. F. Order No: J-11011/851/2008-IA. II(I) Dated: 16.10.2020.

SL. NO	CONDITIONS	COMPLIANCE
--------	------------	------------

<p>i Storage areas / stockpiles for coal in the unit shall be covered and shall have impervious flooring. Garland drains shall be provided around the storage area / Stockpiles to arrest the seepage water from coal yard. The seepage water thus collected shall be treated to meet industry specific / general discharge norms for water quality as applicable. "In this regard, the compliance status shall be furnished to the Regional Office periodically along with the six monthly compliance report.</p>	<p>We have already started construction of Impervious flooring, garland drains surrounding the coal shed and neutralization pit have been taken in plan for construction and we shall submit the progress in due course.</p>
--	--

For Goldstone Cements Limited.

JSW
30/5/23
Authorized Signatory



Annexure – 1

Environmental Monitoring Reports

No: GSCL/EHS/2022-23/32

Dated: 08.11.2022

To,
The Member Secretary,
Meghalaya State Pollution Control Board,
Arden, Lumpynggad,
Shillong-793014.

Sub: Submission of Monthly Environmental Monitoring Reports - OCTOBER 2022.

Dear Sir / Madam,

With reference to the subject as cited above, we are herewith submitting
Monthly Environmental Monitoring Reports for the month of **OCTOBER 2022.**

The test reports are enclosed.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully,

For Goldstone Cements Ltd.


Authorized Signatory



Encl: Environmental Monitoring Reports - OCTOBER 2022.



Goldstone Cements Limited
CIN No. : U26940ML2007PLC008298

Report No.: ENV/GSCL/22-23/FE-10/01
Date : 07/11/2022

Order No.: FFE/500001077
Date : 30/03/2022

Report issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM [$\mu\text{g}/\text{m}^3$]	Limits [$\mu\text{g}/\text{m}^3$]
01	Fly-ash Storage Section	17.10.2022	883	5000
02	Coal Storage Section	17.10.2022	626	2000
03	Limestone Storage Section	18.10.2022	1819	5000
04	Cement Packing Section	18.10.2022	2188	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/SE-10/05
Date : 07/11/2022

Order No.: PFR/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Muslang Lamare (Old), P. O.- Khlehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-10/05		
02	Date of Sampling	18.10.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	73		
06	Exit Velocity of Gas (m/sec)	14.2		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
L	Particulate Matter	17	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORTOctober - 2022

Name of Stack & Stack No.	:	Cement Mill (4)	
Date of Monitoring	:	28.10.2022	
Stack Velocity of Flue gas	:	16.15m/s	
Stack Temperature	:	382°K	
Monitoring Period	:	89.25m	
Flow Rate	:	9.15 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	19.56	30	(mg/Nm ³)


Analyzed By
Verified By



envirocon

Recognised By

Pollution Control Board, Assam

Envirocon Building, I.O.C.L (AOD) New Market

P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171

Ph: 03751-264414, 9438008667, 8876028672

E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GSCL/22-23/SE-10/03

Date : 07/11/2022

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-10/03		
02	Date of Sampling	18.10.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	229		
06	Exit Velocity of Gas (m/sec)	13.2		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	22	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs

Associate Services: Certification by Competent Person (C/P), NDT, Hydraulic Testing, Chemical Engineering etc.

STACK EMISSION MONITORING REPORT

October - 2022

Name of Stack & Stack No.	:	Cooler ESP (3)	
Date of Monitoring	:	27.10.2022	
Stack Velocity of Flue gas	:	18.12m/s	
Stack Temperature	:	436 °K	
Monitoring Period	:	53.15m	
Flow Rate	:	20.12LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	18.5	30	(mg/Nm ³)


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SB-10/01
Date : 07/11/2022

Order No.: FPE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SB-10/01		
02	Date of Sampling	17.10.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	53		
06	Exit Velocity of Gas (m/sec)	12.5		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
L	Particulate Matter	21	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

STACK EMISSION MONITORING REPORTOctober - 2022

Name of Stack & Stack No.	:	Coal Mill (2)		
Date of Monitoring	:	26.10.2022		
Stack Velocity of Flue gas	:	11.2 m/s		
Stack Temperature	:	340 °K		
Monitoring Period	:	63.45m		
Flow Rate	:	18.15 LPM		
Parameters	Results	Standard Limits	Unit	
Particulate Matter	26.5	30	(mg/Nm ³)	
Sulphur Dioxide(SO ₂)	548	1000	(mg/Nm ³)	
Nitrogen Oxide (NO _X)	237	600	(mg/Nm ³)	


Analyzed By
Verified By

Report No.: ENV/GSCL/22-23/SE-10/04
Date : 07/11/2022

Order No.: PFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/04		
02	Date of Sampling	18.10.2022		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Flue Gas Temperature (°C)	101		
06	Exit Velocity of Gas (m/sec)	7.6		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	41	mg/Nm ³	50
II.	Sulphur Dioxide (as SO ₂)	463	mg/Nm ³	600
III.	Oxides of Nitrogen (as NO _x)	213	mg/Nm ³	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, I.O.C.L (AOD) 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.

STACK EMISSION MONITORING REPORTOctober - 2022

Name of Stack & Stack No.	:	CPP (5)	
Date of Monitoring	:	29.10.2022	
Stack Velocity of Flue gas	:	15.26m/s	
Stack Temperature	:	348.1 °K	
Monitoring Period	:	61 m	
Flow Rate	:	23.3LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	24.6	50	(mg/Nm ³)
Sulphur Dioxide (SO ₂)	455	600	(mg/Nm ³)
Nitrogen Oxide (NO _X)	236	300	(mg/Nm ³)


 Analysed By


 Verified By

Report No.: ENV/GSCL/22-23/SB-10/02
Date : 07/11/2022

Order No.: FFR/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khlehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SB-10/02		
02	Date of Sampling	17.10.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill & Kiln		
05	Flue Gas Temperature (°C)	180		
06	Exit Velocity of Gas (m/sec)	21.9		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	23	mg/Nm ³	30
II.	Sulphur Dioxide (as SO ₂)	571	mg/Nm ³	1000
III.	Oxides of Nitrogen (as NO _x)	215	mg/Nm ³	600

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
 2. Results refer only to the particular parameters tested.
 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.I. (AOD) 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/GSCL/22-23/N-10/01
Date : 07/11/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Mustiang Lamare (Old), P. O.- Khilehriat, Meghalaya- 793200

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			L_{eq} (dB-A)	Limit (dB-A)	L_{eq} (dB-A)	Limit (dB-A)
1	Near Coal Mill	17.10.2022	66.8	75	58.6	70
2	Near CPP Area	17.10.2022	70.3	75	61.9	70
3	Near Coal Storage Yard	17.10.2022	62.4	75	51.6	70
4	Near Raw Mill	18.10.2022	71.7	75	68.2	70
5	Near Cement Mill	18.10.2022	72.4	75	66.8	70
6	HR & Mine's Office	18.10.2022	56.8	75	45.6	70
7	CPP TG Building	19.10.2022	70.6	75	69.8	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/DW-10/01
Date : 07/11/2022

Order No.: PFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No.: GSCL/22-23/DW-2210/01
Collected On : 22-10-2022

Sample Source : Anapurna Mess
Received On : 23-10-2022

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	2	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.3	1	5
5.	pH	6.90	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	67	500	2000
7.	Aluminium (as Al), mg/l, Max	ND	0.03	0.2
8.	Boron (as B), mg/l, Max	ND	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	27	75	200
10.	Chloride (as Cl), mg/l, Max	7.3	250	1000
11.	Copper (as Cu), mg/l, Max	ND	0.05	1.5
12.	Fluorides (as F), mg/l, Max	ND	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	ND	0.2	1
14.	Iron (as Fe), mg/l, Max	0.013	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	2	30	100
16.	Manganese (as Mn), mg/l, Max	ND	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	ND	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	0.3	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	ND	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max	ND	0.001	0.002
				-Continued-

*Limits as per IS 10500:2012

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, I.O.C.L (AOD) 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/GSCL/22-23/DW-10/01
Date : 07/11/2022

Order No.: PFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSC./22-23/DW-2210/01
Collected On : 22-10-2022

Sample Source : Anapurna Mess
Received On : 23-10-2022

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	53	200	600
22.	Total Hardness. (as CaCO ₃), mg/l, Max	29	200	600
23.	Cadmium (as Cd), mg/l, Max.	ND	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	ND	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	ND	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	ND	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	ND	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	ND	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	ND	0.01	0.05
31.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
32.	Faecal Coliforms/ 100 ml	NIL	Absent	Absent
33.	E. Coli / 100 ml	NIL	Absent	Absent
--End of Report--				

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025
ND: Not Detected

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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/GSCL/22-23/WW-10/01

Date : 07/11/2022

Order No.: FPE/7500001077

Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.- Khlehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-2210/01
Sample Type/Source : Waste Water (Treated)/ETP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 22.10.2022
Sample Received On : 23.10.2022
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.74	5.5 - 9.0
2.	Temperature	°C	25.6	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	37	100
4.	Biochemical Oxygen Demand	mg/l	26	30
5.	Chemical Oxygen Demand	mg/l	153	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.3	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	16	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

AMBIENT AIR QUALITY MONITORING RESULTS**October – 2022**

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	05.10.2022	37.2	46.5	5.2	8.9
Near CCR Material Yard	06.10.2022	35.7	44.9	5.8	8.5
Near Guest House (Yamuna Sadan)	07.10.2022	15.3	32.6	<5.0	<6.0
Residential Colony	08.10.2022	16.1	38.7	<5.0	<6.0


Analyzed By


Verified By

AMBIENT AIR QUALITY MONITORING RESULTSOctober – 2022

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	12.10.2022	39.5	56.2	5.9	10.9
Near CCR Material Yard	13.10.2022	43.9	57.6	5.9	12.5
Near Guest House (Yamuna Sadan)	14.10.2022	44.9	39.4	<5.0	<6.0
Residential Colony	15.10.2022	17.9	35.1	<5.0	<6.0


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/AA-10/01
 Date : 07/11/2022

Order No.: FPE/7500001077
 Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
 Village- Musiang Lamare (Old), P. O.- Khlehriat, Meghalaya- 793200

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	Location(s)	Date of Sampling	PM 2.5	PM 10	SO ₂	NO ₂
			(µg/m ³)	(µg/m ³)	(µg/m ³)	(µg/m ³)
	Limit(s)		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near CPP (Water Reservoir)	17.10.2022	30.3	53.7	6.9	7.5
2.	Near CCR (Material Yard)	17.10.2022	31.7	49.5	6.2	7.1
3.	Near Guest House (Yamuna Sadan)	18.10.2022	19.9	28.6	<5.0	<6.0
4.	Residential Colony	18.10.2022	26.2	31.3	<5.0	<6.0

Analysis Protocol: IS 5182



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, L.O.C.L (AOD) 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.

AMBIENT AIR QUALITY MONITORING RESULTS

October – 2022

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	26.09.2022	39.6	45.1	7.2	11.8
Near CCR Material Yard	27.09.2022	38.4	55.6	7.3	13.2
Near Guest House (Yamuna Sadan)	28.09.2022	25.3	38.2	<5.0	<6.0
Residential Colony	29.09.2022	16.8	36.7	<5.0	<6.0


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/WW-10/02

Date : 07/11/2022

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Muslang Lamare (Old), P. O.- Khilehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-2210/02
Sample Type/Source : Waste Water (Treated)/C/P N-Pit Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 22.10.2022
Sample Received On : 23.10.2022
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	-	6.74	5.5 - 9.0
2.	Temperature	°C	25.3	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	22	100
4.	Biochemical Oxygen Demand	mg/l	16	30
5.	Chemical Oxygen Demand	mg/l	58	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.6	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	18	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/SW-10/01
Date : 07/11/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Muslang Lamare (Old), P. O.: Khlehriat, Meghalaya- 793200

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2022/SW-2210/01
Collected On : 22-10-2022

Sample Source : Plant Nala Upstream
Received On : 23-10-2022

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	4	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	26.4	-
4.	pH Value	6.61	6.5 - 8.5
5.	Suspended Solids	24	-
6.	Total Dissolved Solids, mg/l. Max.	122	500
7.	Conductivity, μ S/cm	205	-
8.	Dissolved Oxygen, mg/l. Min.	4.5	-
9.	Biochemical Oxygen Demand, mg/l. Max.	4	-
10.	Chemical Oxygen Demand, mg/l. Max.	34	-
11.	Oil and Grease, mg/l. Max.	<4.0	0.2
12.	Residual Chlorine, mg/l. Min.	<0.01	200
13.	Total Hardness (as CaCO ₃), mg/l. Max.	21	75
14.	Calcium (as Ca), mg/l. Max.	4	30
15.	Magnesium (as Mg), mg/l. Max.	<1	0.3
16.	Iron (as Fe), mg/l. Max.	0.03	-
17.	Ammonical Nitrogen (as N), mg/l. Max.	6.2	-
18.	Total Kjeldahl Nitrogen (as NH ₃), mg/l. Max.	29	-
19.	Free Ammonia (as NH ₃), mg/l. Max.	<0.01	-

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, I.O.C.L (AOD) 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/GSCL/22-23/SW-10/02
Date : 07/11/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2022/SW-2210/02
Collected On : 22-10-2022

Sample Source : Plant Nala Downstream
Received On : 23-10-2022

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	4	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	26.4	-
4.	pH Value	6.68	6.5 - 8.5
5.	Suspended Solids	28	-
6.	Total Dissolved Solids, mg/L, Max.	138	500
7.	Conductivity, $\mu\text{S/cm}$	235	-
8.	Dissolved Oxygen, mg/L, Min.	4.6	-
9.	Biochemical Oxygen Demand, mg/L, Max.	4	-
10.	Chemical Oxygen Demand, mg/L, Max.	32	-
11.	Oil and Grease, mg/L, Max.	<4.0	0.2
12.	Residual Chlorine, mg/L, Min.	<0.01	200
13.	Total Hardness (as CaCO_3), mg/L, Max.	19	75
14.	Calcium (as Ca), mg/L, Max.	3	30
15.	Magnesium (as Mg), mg/L, Max.	<1	0.3
16.	Iron (as Fe), mg/L, Max.	0.03	-
17.	Ammonical Nitrogen (as N), mg/L, Max.	5.9	-
18.	Total Kjeldahl Nitrogen (as NH_3), mg/L, Max.	27	-
19.	Free Ammonia (as NH_3), mg/L, Max.	<0.01	-

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, I.O.C.L (AOD) 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.

o/c



Dated: 09.12.2022

No: GSCL/EHS/2022-23/35

To,
The Member Secretary,
Meghalaya State Pollution Control Board,
Arden, Lumpynggad,
Shillong-793014.

Sub: Submission of Monthly Environmental Monitoring Reports - NOVEMBER 2022.

Dear Sir / Madam,

With reference to the subject as cited above, we are herewith submitting Monthly Environmental Monitoring Reports for the month of NOVEMBER 2022.

The test reports are enclosed.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully

For Goldstone Cements Ltd.


Authorized Signatory



Encl: Environmental Monitoring Reports - NOVEMBER 2022.



Goldstone Cements Limited
CIN No. : U26940ML2007PLC008298

AMBIENT AIR QUALITY MONITORING RESULTS**November – 2022**

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	01.11.2022	38.5	47.2	5.4	8.7
Near CCR Material Yard	02.11.2022	34.8	48.6	5.7	8.4
Near Guest House (Yamuna Sadan)	03.11.2022	17.8	36.2	<5.0	<6.0
Residential Colony	04.11.2022	19.5	39.7	<5.0	<6.0



Analyzed By


Verified By

AMBIENT AIR QUALITY MONITORING RESULTSNovember - 2022

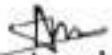
Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	07.11.2022	37.6	52.8	5.4	10.5
Near CCR Material Yard	08.11.2022	44.9	58.7	5.7	11.6
Near Guest House (Yamuna Sadan)	09.11.2022	46.1	35.6	<5.0	<6.0
Residential Colony	10.11.2022	18.6	38.4	<5.0	<6.0



 Analyzed By


 Verified By

AMBIENT AIR QUALITY MONITORING RESULTSNovember – 2022

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	14.11.2022	37.8	46.7	7.4	12.8
Near CCR Material Yard	15.11.2022	39.8	59.4	6.9	14.6
Near Guest House (Yamuna Sadan)	16.11.2022	26.7	38.7	<5.0	<6.0
Residential Colony	17.11.2022	17.9	39.7	<5.0	<6.0


 Analyzed By


 Verified By

Report No.: ENV/GSCL/22-23/AA-11/01
Date : 08/12/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	Location(s)	Date of Sampling	PM 2.5	PM 10	SO ₂	NO ₂
			($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)	($\mu\text{g}/\text{m}^3$)
	Limit(s)		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near CPP (Water Reservoir)	27.11.2022	32.9	58.4	7.1	7.9
2.	Near CCR (Material Yard)	26.11.2022	33.7	51.6	6.9	7.6
3.	Near Guest House (Yamuna Sadan)	26.11.2022	20.4	30.2	<5.0	<6.0
4.	Residential Colony	27.11.2022	21.8	33.7	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE

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

GOLDSTONE CEMENTS LIMITED



STACK EMISSION MONITORING REPORT

November - 2022

Name of Stack & Stack No.	:	Raw Mill & Kiln (1)
Date of Monitoring	:	14. 11. 2022
Stack Velocity of Flue gas	:	19.0 m/s
Stack Temperature	:	426 °K
Monitoring Period	:	49.45 m
Flow Rate	:	21 LPM

Parameters	Results	Standard Limits	Unit
Particulate Matter	23	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	541	1000	(mg/Nm ³)
Nitrogen Oxide (NO _X)	278	600	(mg/Nm ³)


Analyzed By




Verified By

Report No.: ENV/GSCL/22-23/SE-11/01

Date: 08/12/2022

Order No.: FFE/7500001077

Date: 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village: Musang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/01		
02	Date of Sampling	26.11.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill (Kiln)		
05	Flue Gas Temperature (°C)	191		
06	Exit Velocity of Gas (m/sec)	15.0		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	396	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	235	mg/Nm ³	600

*NA: Not Applicable



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.

STACK EMISSION MONITORING REPORT


November - 2022

Name of Stack & Stack No.	:	Coal Mill (2)
Date of Monitoring	:	15.11.2022
Stack Velocity of Flue gas	:	13.18 m/s
Stack Temperature	:	347 °K
Monitoring Period	:	56.12 m
Flow Rate	:	19 LPM

Parameters	Results	Standard Limits	Unit
Particulate Matter	22	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	537	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	237	600	(mg/Nm ³)


Analyzed By




Verified By



Report No.: ENV/GSCL/22-23/SE-11/04
Date : 08/12/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.: - Kshiehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/04		
02	Date of Sampling	27.11.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	55		
06	Exit Velocity of Gas (m/sec)	11.5		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORT

November - 2022

Name of Stack & Stack No.	:	Cooler ESP (3)	
Date of Monitoring	:	16.11.2022	
Stack Velocity of Flue gas	:	17.15m/s	
Stack Temperature	:	416 °K	
Monitoring Period	:	56.12m	
Flow Rate	:	22 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	19	30	(mg/Nm ³)


Analyzed By




Verified By



Report No.: ENV/GSCL/22-23/SE-11/05

Date : 08/12/2022

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Mustang Lamare (Old), P. O.:- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/05		
02	Date of Sampling	27.11.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	226		
06	Exit Velocity of Gas (m/sec)	18.6		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

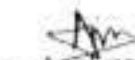
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L. (AOD) New Market, Digboi – 786171,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

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.

STACK EMISSION MONITORING REPORT

November - 2022

Name of Stack & Stack No.	:	Cement Mill (4)	
Date of Monitoring	:	17.11.2022	
Stack Velocity of Flue gas	:	14.51m/s	
Stack Temperature	:	374 °K	
Monitoring Period	:	78.45m	
Flow Rate	:	11 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	24	30	(mg/Nm ³)


Analyzed By




Verified By

Report No.: ENV/GSCL/22-23/SE-11/03

Date : 08/12/2022

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: Khlehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/03		
02	Date of Sampling	27.11.2022		
03	Material of Constructin	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	82		
06	Exit Velocity of Gas (m/sec)	10.8		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
L	Particulate Matter	15	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

STACK EMISSION MONITORING REPORT

November - 2022

Name of Stack & Stack No.	:	CPP (5)	
Date of Monitoring	:	18.11.2022	
Stack Velocity of Flue gas	:	16m/s	
Stack Temperature	:	349.1 °K	
Monitoring Period	:	56 m	
Flow Rate	:	19 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	26	50	(mg/Nm ³)
Sulphur Dioxide (SO ₂)	478	600	(mg/Nm ³)
Nitrogen Oxide (NO _X)	245	300	(mg/Nm ³)


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-11/02
 Date : 08/12/2022

 Order No.: FFE/7500001077
 Date : 30/03/2022

 Report Issued To : **GOLDSTONE CEMENTS LIMITED**
 Village- Musiang Lamare (Old), P. O.- Khlehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/02		
02	Date of Sampling	26.11.2022		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Flue Gas Temperature (°C)	93		
06	Exit Velocity of Gas (m/sec)	5.8		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	38	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	467	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	210	mg/Nm ³	300



Checked By: Mr. Pankaj Barua, ENVIROCON

NOTE:

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

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/GSCL/22-23/N-11/01
Date : 08/12/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P.O.-: Khliehriat, Meghalaya- 793200

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			Leq (dB-A)	Limit (dB-A)	Leq (dB-A)	Limit (dB-A)
1	Near Coal Mill	26.11.2022	68.4	75	56.7	70
2	Near CPP Area	26.11.2022	71.2	75	63.5	70
3	Near Coal Storage Yard	26.11.2022	63.6	75	54.9	70
4	Near Raw Mill	27.11.2022	72.7	75	66.3	70
5	Near Cement Mill	28.11.2022	71.5	75	67.9	70
6	HR & Mine's Office	27.11.2022	54.8	75	46.2	70
7	CPP TG Building	27.11.2022	71.3	75	68.1	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/FE-11/01
Date : 08/12/2022

Order No.: FFE/500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.: - Khliehriat, Meghalaya- 793200

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Fly-ash Storage Section	26.11.2022	889	5000
02	Coal Storage Section	26.11.2022	623	2000
03	Limestone Storage Section	27.11.2022	1824	5000
04	Cement Packing Section	27.11.2022	2193	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

Report No.: ENV/GSCL/22-23/WW-11/02
Date : 08/12/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P.O.- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-3011/02
Sample Type/Source : Waste Water (Treated)/CPP N-Pit Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 30.11.2022
Sample Received On : 02.12.2022
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	-	6.82	5.5 - 9.0
2.	Temperature	°C	25.3	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	16	100
4.	Biochemical Oxygen Demand	mg/l	14	30
5.	Chemical Oxygen Demand	mg/l	51	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	2.9	50
9.	Total Kjeldahl Nitrogen (as NH ₄)	mg/l	14	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

<p>NOTE:</p> <ul style="list-style-type: none"> 1. Results reported are valid at the time of and under the prevailing conditions of measurement. 2. Results refer only to the particular parameters tested. 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi - 786171, Assam.
--

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/GSCL/22-23/WW-11/01
Date : 08/12/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Mussang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. GSCL/22-23/WW-3011/01
Sample Type/Source Waste Water (Treated)/ETP Outlet
Sample Collected By Representative of ENVIROCON
Sample Collected On 30.11.2022
Sample Received On 02.12.2022
Analysis Protocol IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	-	6.71	5.5 - 9.0
2.	Temperature	°C	25.3	shall not exceed 3°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	39	100
4.	Biochemical Oxygen Demand	mg/l	24	30
5.	Chemical Oxygen Demand	mg/l	151	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.6	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	19	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Panjaj Barua, ENVIROCON

NOTE:

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

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/GSCL/22-23/DW-11/01

Date : 08/12/2022

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Mustang Lamare (Old), P. O.: - Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/DW-3011/01

Sample Source : Anapurna Mess

Sample Type : Drinking Water

Collected On : 30-11-2022

Received On : 02-12-2022

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	3	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.2	1	5
5.	pH	6.93	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	65	500	2000
7.	Aluminium [as Al], mg/l, Max	ND	0.03	0.2
8.	Boron [as B], mg/l, Max	ND	0.5	1.0
9.	Calcium [as Ca], mg/l, Max	26	75	200
10.	Chloride [as Cl], mg/l, Max	7.2	250	1000
11.	Copper [as Cu], mg/l, Max	ND	0.05	1.5
12.	Fluorides [as F], mg/l, Max	ND	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	ND	0.2	1
14.	Iron [as Fe], mg/l, Max	0.012	0.3	No Relaxation
15.	Magnesium [as Mg], mg/l, Max	2	30	100
16.	Manganese [as Mn], mg/l, Max	ND	0.1	0.3
17.	Zinc [as Zn], mg/l, Max	ND	5.0	15
18.	Nitrate [as NO ₃], mg/l, Max	0.3	45	No Relaxation
19.	Sulfate [as SO ₄], mg/l, Max	ND	200	400
20.	Phenolic Compounds [as C ₆ H ₅ OH], mg/l, Max	ND	0.001	0.002
--Continued--				

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025
ND: Not Detected



Checked By: Mr. Panikaj Baroi, ENVIROCON

NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.

2. Results refer only to the particular parameters tested.

3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi - 786171, Assam.

Care 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/GSCL/22-23/DW-11/01
Date : 08/12/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No.: GSCL/22-23/DW-3011/01
Collected On : 30-11-2022

Sample Source : Anapurna Mess
Received On : 02-12-2022

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃), mg/L Max	51	200	600
22.	Total Hardness, (as CaCO ₃), mg/L Max	31	200	600
23.	Cadmium (as Cd), mg/l, Max.	ND	0.003	No Relaxation
24.	Cyanide (as CN), mg/L Max.	ND	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	ND	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	ND	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	ND	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	ND	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	ND	0.01	0.05
31.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
32.	Faecal Coliforms/ 100 ml	NIL	Absent	Absent
33.	E. Coli / 100 ml	NIL	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025
ND: Not Detected

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

No: GSCL/EHS/2022-23/37

Dated: 09.01.2023

To,
The Member Secretary,
Meghalaya State Pollution Control Board,
Arden, Lumpyngngad,
Shillong-793014.

Sub: Submission of Monthly Environmental Monitoring Reports - DECEMBER 2022.

Dear Sir / Madam,

With reference to the subject as cited above, we are herewith submitting
Monthly Environmental Monitoring Reports for the month of DECEMBER 2022.


The test reports are enclosed.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully,

For Goldstone Cements Ltd.


Authorized Signatory



Encl: Environmental Monitoring Reports - DECEMBER 2022.



Goldstone Cements Limited

CIN No. : U26940ML2007PLC008298

AMBIENT AIR QUALITY MONITORING RESULTS
December – 2022

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	05.12.2022	39.5	46.8	5.3	8.3
Near CCR Material Yard	06.12.2022	33.7	47.4	5.8	7.9
Near Guest House (Yamuna Sadan)	07.12.2022	18.4	37.5	<5.0	<6.0
Residential Colony	08.12.2022	17.9	38.6	<5.0	<6.0


 Analyzed By


 Verified By

AMBIENT AIR QUALITY MONITORING RESULTSDecember – 2022

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	12.12.2022	37.2	53.1	5.6	10.9
Near CCR Material Yard	13.12.2022	43.5	57.4	5.3	10.7
Near Guest House (Yamuna Sadan)	14.12.2022	45.9	36.7	<5.0	<6.0
Residential Colony	15.12.2022	18.9	37.6	<5.0	<6.0


 Analyzed By


 Verified By

Report No. : ENV/GSCL/22-23/AA-12/01
Date : 07/01/2023

Order No. : FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village: Musiang Lamare (Old), PO: Khlehriat, Meghalaya- 793200

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	CO (mg/m ³)	O ₃ (µg/m ³)	B(a)P (ng/m ³)	C ₆ H ₆ (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)
LIMITS →	-	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	180 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
Near CPP (Water Reservoir)	24.12.2022	23.8	45.3	6.9	9.7	11.5	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Near CCR (Material Yard)	23.12.2022	28.9	47.5	6.1	8.3	12.7	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Near Guest House (Yamuna Sadan)	23.12.2022	21.6	36.8	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Residential Colony	24.12.2022	20.7	34.3	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

Analysis Protocol: IS 5182



Checked By: Pankaj Baroi, ENVIROCON

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

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.

AMBIENT AIR QUALITY MONITORING RESULTSDecember – 2022

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	26.12.2022	36.7	45.1	7.6	11.5
Near CCR Material Yard	27.12.2022	39.4	57.6	7.3	13.9
Near Guest House (Yamuna Sadan)	28.12.2022	25.6	39.4	<5.0	<6.0
Residential Colony	29.12.2022	18.3	38.8	<5.0	<6.0


 Analyzed By


 Verified By

Report No.: ENV/GSCL/22-23/FE-12/01
Date : 07/01/2023

Order No.: FFE/500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Fly-ash Storage Section	22.12.2022	762	5000
02	Coal Storage Section	22.12.2022	595	2000
03	Limestone Storage Section	23.12.2022	1762	5000
04	Cement Packing Section	23.12.2022	1843	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

STACK EMISSION MONITORING REPORTDecember - 2022

Name of Stack & Stack No.	:	Raw Mill & Kiln (1)	
Date of Monitoring	:	12. 12. 2022	
Stack Velocity of Flue gas	:	18.0 m/s	
Stack Temperature	:	429 °K	
Monitoring Period	:	52.14 m	
Flow Rate	:	20 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	21	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	542	1000	(mg/Nm ³)
Nitrogen Oxide (NO _X)	280	600	(mg/Nm ³)


 Analyzed By


 Verified By

Report No.: ENV/GSCL/22-23/SE-12/01
 Date : 07/01/2023

 Order No.: FFE/7500001077
 Date : 30/03/2022

 Report Issued To: **GOLDSTONE CEMENTS LIMITED**
 Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-12/01		
02	Date of Sampling	22.12.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill & Kiln		
05	Flue Gas Temperature (°C)	173		
06	Exit Velocity of Gas (m/sec)	19.6		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	566	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	222	mg/Nm ³	600

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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/GSCL/22-23/SE-11/01
Date : 08/12/2022

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/01		
02	Date of Sampling	26.11.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill (Kiln)		
05	Flue Gas Temperature (°C)	191		
06	Exit Velocity of Gas (m/sec)	15.0		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30
ii	Sulphur Dioxide (as SO ₂)	396	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	235	mg/Nm ³	600

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.



ENVIROCON

Recognised By

Pollution Control Board, Assam

Envirocon Building, I.O.C.L (AOD) New Market

P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171

Ph: 03781-264414, 9435008657, 8878028672

E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GSCL/22-23/SE-11/06

Date : 07/01/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Vill.: Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/01		
02	Date of Sampling	26.11.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill and Kiln		
05	Flue Gas Temperature (°C)	191		
06	Exit Velocity of Gas (m/sec)	15.0		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Oxygen (as O ₂)	11.7	% V/V	—
II.	Hydrogen Chloride (as HCl)	6.9	mg/Nm ³	10
III.	Hydrogen Fluoride (as HF)	BDL [MDL: 1.0]	mg/Nm ³	1
IV.	Mercury (as Hg)	BDL [MDL: 0.001]	mg/Nm ³	0.03
V.	Hg and its compounds	BDL [MDL: 0.001]	mg/Nm ³	0.05
VI.	Cd + Tl and their compounds	0.005	mg/Nm ³	0.05
VII.	Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V+ and their compounds	0.19	mg/Nm ³	0.5

BDL: Below Detectable Limit, MDL: Minimum Detectable Limit



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/SE-11/07

Date : 07/01/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Vill.: Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-11/01		
02	Date of Sampling	26.11.2022		
03	Stack Attached To	Raw Mill and Kiln		
04	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I	Total Organic Carbon (as TOC)	3.54	mg/Nm ³	10
II.	Total Dioxins and Furans	BDL (MDL: 0.01)	ngTEQ/Nm ³	0.1

BDL: Below Detectable Limit, MDL: Minimum Detectable Limit



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORT

December - 2022

Name of Stack & Stack No.	:	Coal Mill (2)	
Date of Monitoring	:	13.12.2022	
Stack Velocity of Flue gas	:	14.12 m/s	
Stack Temperature	:	349 °K	
Monitoring Period	:	54.17 m	
Flow Rate	:	18 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	24	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	541	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	239	600	(mg/Nm ³)


Analyzed By




Verified By

Report No.: ENV/GSCL/22-23/SE-12/02
Date : 07/01/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-12/02		
02	Date of Sampling	22.12.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	53		
06	Exit Velocity of Gas (m/sec)	10.6		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1	Particulate Matter	23	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

STACK EMISSION MONITORING REPORTDecember- 2022

Name of Stack & Stack No.	:	Cement Mill (4)	
Date of Monitoring	:	15.12.2022	
Stack Velocity of Flue gas	:	13.14m/s	
Stack Temperature	:	378 °K	
Monitoring Period	:	80.15m	
Flow Rate	:	13 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	24	30	(mg/Nm ³)


Analyzed By
Verified By

Report No.: ENV/GSCL/22-23/SE-12/05
Date : 07/01/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-> Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-12/05		
02	Date of Sampling	23.12.2022		
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)	13.9		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I	Particulate Matter	16	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

STACK EMISSION MONITORING REPORT

December- 2022

Name of Stack & Stack No.	:	Cooler ESP (3)	
Date of Monitoring	:	14.12.2022	
Stack Velocity of Flue gas	:	16.11m/s	
Stack Temperature	:	419 °K	
Monitoring Period	:	60.15m	
Flow Rate	:	19 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	17	30	(mg/Nm ³)


Analyzed By




Verified By

Report No.: ENV/GSCL/22-23/SE-12/03
Date : 07/01/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-12/03		
02	Date of Sampling	22.12.2022		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	223		
06	Exit Velocity of Gas (m/sec)	15.7		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

STACK EMISSION MONITORING REPORTDecember - 2022

Name of Stack & Stack No.	:	CPP (5)	
Date of Monitoring	:	16.12.2022	
Stack Velocity of Flue gas	:	18 m/s	
Stack Temperature	:	351 °K	
Monitoring Period	:	61m	
Flow Rate	:	21LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	23	50	(mg/Nm ³)
Sulphur Dioxide (SO ₂)	481	600	(mg/Nm ³)
Nitrogen Oxide (NO _X)	245	300	(mg/Nm ³)


 Analysed By


 Verified By

Report No.: ENV/GSCL/22-23/SE-12/04
Date : 07/01/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-12/04		
02	Date of Sampling	23.12.2022		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Flue Gas Temperature (°C)	102		
06	Exit Velocity of Gas (m/sec)	5.9		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	41	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	458	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	209	mg/Nm ³	300
iv.	Mercury (as Hg)	<0.01	mg/Nm ³	0.03



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 parameter tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.I (AOD) 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/GSCL/22-23/N-12/01

Date : 07/01/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			L_{eq} (dB-A)	Limit (dB-A)	L_{eq} (dB-A)	Limit (dB-A)
1	Near Coal Mill	22.12.2022	63.6	75	56.4	70
2	Near CPP Area	22.12.2022	69.2	75	61.2	70
3	Near Coal Storage Yard	23.12.2022	61.4	75	53.5	70
4	Near Raw Mill	23.12.2022	70.4	75	63.8	70
5	Near Cement Mill	23.12.2022	71.3	75	66.9	70
6	HR & Mine's Office	24.12.2022	62.8	75	52.5	70
7	CPP TG Building	24.12.2022	69.3	75	64.7	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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/GSCL/22-23/DW-12/01

Order No.: FFE/7500001077

Date : 07/01/2023

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/DW-2912/01

Sample Source : Narmada Sadhan

Sample Type : Drinking Water

Collected On : 29-12-2022

Received On : 31-12-2022

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	2	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.2	1	5
5.	pH	6.92	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	73	500	2000
7.	Aluminium (as Al), mg/l, Max.	ND	0.03	0.2
8.	Boron (as B), mg/l, Max.	ND	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	27	75	200
10.	Chloride (as Cl), mg/l, Max	8.2	250	1000
11.	Copper (as Cu), mg/l, Max	ND	0.05	1.5
12.	Fluorides (as F), mg/l, Max	ND	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	ND	0.2	1
14.	Iron (as Fe), mg/l, Max	0.017	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	3	30	100
16.	Manganese (as Mn), mg/l, Max	ND	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	ND	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	0.5	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	ND	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	ND	0.001	0.002
-Continued-				

*Limits as per IS 10500:2012

Analysis Protocol IS 3025
ND: Not Detected



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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/GSCL/22-23/DW-12/01
Date : 07/01/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No.: GSCL/22-23/DW-2912/01
Collected On : 29-12-2022

Sample Source : Narmada Sadhan
Received On : 31-12-2022

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃), mg/l, Max	64	200	600
22.	Total Hardness, (as CaCO ₃), mg/l, Max	31	200	600
23.	Cadmium (as Cd), mg/l, Max.	ND	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	ND	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	ND	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	ND	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	ND	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	ND	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	ND	0.01	0.05
31.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
32.	Faecal Coliforms/ 100 ml	NIL	Absent	Absent
33.	E. Coli / 100 ml	NIL	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025
ND: Not Detected

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/SW-12/01
Date : 07/01/2022

Order No.: Verbal
Date :

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/2022/SW-2912/01
Collected On : 29-12-2022

Sample Source : Plant Nala Upstream
Received On : 31-12-2022

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	4	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	22.6	--
4.	pH Value	6.71	6.5 - 8.5
5.	Suspended Solids	33	--
6.	Total Dissolved Solids, mg/l, Max.	151	500
7.	Conductivity, $\mu\text{S/cm}$	273	--
8.	Dissolved Oxygen, mg/l, Min.	5.7	--
9.	Biochemical Oxygen Demand, mg/l, Max.	3	--
10.	Chemical Oxygen Demand, mg/l, Max.	29	--
11.	Oil and Grease, mg/l, Max.	<4.0	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2
13.	Total Hardness (as CaCO_3), mg/l, Max.	27	200
14.	Calcium (as Ca), mg/l, Max.	8	75
15.	Magnesium (as Mg), mg/l, Max.	<1	30
16.	Iron (as Fe), mg/l, Max.	0.027	0.3
17.	Ammonical Nitrogen (as N), mg/l, Max.	6	--
18.	Total Kjeldahl Nitrogen (as NH_3), mg/l, Max.	22	--
19.	Free Ammonia (as NH_3), mg/l, Max.	<0.01	--

Analysis Protocol: IS 3025



Checked By: Mr. Panikaj Baroi, ENVIROCON

NOTE:

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

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/GSCL/22-23/SW-12/02
Date : 07/01/2023

Order No.: Verbal
Date :

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: - Khliehriat, Meghalaya- 793200

SURFACE WATER ANALYSIS RESULTS

Sample Ref. No.: GSCL/2022/SW-2912/02
Collected On : 29-12-2022

Sample Source : Plant Nala Downstream
Received On : 31-12-2022

Sample Type : Surface Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Limits (IS 10500:2012)
1.	Colour, Hazen Units, Max.	2	5
2.	Odour	Agreeable	Agreeable
3.	Temperature	23.4	--
4.	pH Value	6.81	6.5 - 8.5
5.	Suspended Solids	43	--
6.	Total Dissolved Solids, mg/l, Max.	169	500
7.	Conductivity, μ S/cm	278	--
8.	Dissolved Oxygen, mg/l, Min.	5.6	--
9.	Biochemical Oxygen Demand, mg/l, Max.	6	--
10.	Chemical Oxygen Demand, mg/l, Max.	44	--
11.	Oil and Grease, mg/l, Max.	<4.0	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2
13.	Total Hardness (as CaCO ₃), mg/l, Max.	26	200
14.	Calcium (as Ca), mg/l, Max.	12	75
15.	Magnesium (as Mg), mg/l, Max.	<1	30
16.	Iron (as Fe), mg/l, Max.	0.032	0.3
17.	Ammonical Nitrogen (as N), mg/l, Max.	7	--
18.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	29	--
19.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--

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, I.O.C.L (AOD) 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/GSCL/22-23/WW-12/01

Date : 07/01/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-2912/01
Sample Type/Source : Waste Water (Treated)/ETP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 29.12.2022
Sample Received On : 31.12.2022
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.71	5.5 - 9.0
2.	Temperature	°C	22.6	shall not exceed 3°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	35	100
4.	Biochemical Oxygen Demand	mg/l	21	30
5.	Chemical Oxygen Demand	mg/l	151	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.7	50
9.	Total Kjeldahl Nitrogen (as NH ₄)	mg/l	19	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/WW-12/02

Date : 07/01/2023

Order No.: FFE/500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Vill.: Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-2912/02
Sample Type/Source : Waste Water/Boiler Blow Down
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 29.12.2022
Sample Received On : 31.12.2022
Analysis Protocol : IS 3025

Sl. No.	Parameters	Analysis Results	Units	Limit
1.	Total Suspended Solids	9.8	mg/l	100
2.	Oil & Grease	<4.0	mg/l	20
3.	Copper	<0.001	mg/l	1.0
4.	Iron	<0.001	mg/l	1.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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/GSCL/22-23/WW-12/03
Date : 07/01/2023

Order No.: FFE/500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Vill.: Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-2912/03
Sample Type/Source : Waste Water/Cooling Tower Blow Down
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 29.12.2022
Sample Received On : 31.12.2022
Analysis Protocol : IS 3025

Sl. No.	Parameters	Analysis Results	Units	Limit
1.	Residual Free Chlorine	<0.01	mg/l	0.5
2.	Zinc	<0.01	mg/l	1.0
3.	Total Chromium	<0.001	mg/l	0.2
4.	Phosphate	<0.01	mg/l	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/WW-12/04

Date : 07/01/2023

Order No.: FFE/500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Vill:- Musiang Lamare (Old), P. O:- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-2912/04
Sample Type/Source : Waste Water/Condenser Cooling Point
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 29.12.2022
Sample Received On : 31.12.2022
Analysis Protocol : IS 3025

Sl. No.	Parameters	Analysis Results	Units	Limit
1.	pH	6.93	--	6.5 - 8.5
2.	Temperature	21.4	°C	Not more than 5°C higher than the intake water temperature
3.	Residual Free Chlorine	<0.01	mg/l	0.5



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.



BLACKTIGER
C E M E N T

HILA NA PAOGE

No: GSCL/EHS/2022-23/40

Dated: 11.02.2023

To,
The Member Secretary,
Meghalaya State Pollution Control Board,
Arden, Lumpynggad,
Shillong-793014.

Sub: Submission of Monthly Environmental Monitoring Reports - JANUARY 2023.

Dear Sir / Madam,

With reference to the subject as cited above, we are herewith submitting
Monthly Environmental Monitoring Reports for the month of **JANUARY 2023.**


The test reports are enclosed.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully,

For Goldstone Cements Ltd.


Authorized Signatory



Encl: Environmental Monitoring Reports – JANUARY 2023



Goldstone Cements Limited

CIN No. : U26940ML2007PLC008298

AMBIENT AIR QUALITY MONITORING RESULTS
January – 2023

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	03.01.2023	37.6	47.2	5.9	8.9
Near CCR Material Yard	04.01.2023	34.1	48.5	5.7	8.1
Near Guest House (Yamuna Sadan)	05.01.2023	19.3	39.1	<5.0	<6.0
Residential Colony	06.01.2023	21.5	39.2	<5.0	<6.0



 Analyzed By


 Verified By

AMBIENT AIR QUALITY MONITORING RESULTS

January – 2023

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	09.01.2023	35.6	56.2	6.4	9.11
Near CCR Material Yard	10.01.2023	45.6	54.3	6.1	10.9
Near Guest House (Yamuna Sadan)	11.01.2023	43.8	37.8	<5.0	<6.0
Residential Colony	12.01.2023	19.7	39.2	<5.0	<6.0





Analyzed By


Verified By

AMBIENT AIR QUALITY MONITORING RESULTS**January – 2023**

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	16.01.2023	34.9	47.2	7.6	11.5
Near CCR Material Yard	17.01.2023	33.7	58.6	7.3	13.9
Near Guest House (Yamuna Sadan)	18.01.2023	26.3	41.2	<5.0	<6.0
Residential Colony	19.01.2023	19.7	35.9	<5.0	<6.0


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/AA-01/01

Date : 07/02/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.- Khilchriat, Meghalaya- 793200

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	Location(s) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near CPP (Water Reservoir)	25.01.2023	31.3	57.8	7.3	7.7
2.	Near CCR (Material Yard)	24.01.2023	34.7	55.4	6.7	7.3
3.	Near Guest House (Yamuna Sadan)	24.01.2023	21.6	32.3	<5.0	<6.0
4.	Residential Colony	25.01.2023	23.5	31.9	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORT

January - 2023

Name of Stack & Stack No.	:	Raw Mill & Kiln (1)	
Date of Monitoring	:	09. 01. 2023	
Stack Velocity of Flue gas	:	16.5 m/s	
Stack Temperature	:	419 °K	
Monitoring Period	:	48.23 m	
Flow Rate	:	17 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	25	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	489	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	285	600	(mg/Nm ³)



Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-01/02

Date : 07/02/2023

Order No.: FFE/7500001077

Date : 30/03/2022

 Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-01/02		
02	Date of Sampling	24.01.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill (Kiln)		
05	Flue Gas Temperature (°C)	186		
06	Exit Velocity of Gas (m/sec)	14.4		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	24	mg/Nm ³	30
II.	Sulphur Dioxide (as SO ₂)	453	mg/Nm ³	1000
III.	Oxides of Nitrogen (as NO _x)	227	mg/Nm ³	600

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORT

January - 2023

Name of Stack & Stack No.	:	:	Coal Mill (2)
Date of Monitoring	:	:	10.01.2023
Stack Velocity of Flue gas	:	:	18.16 m/s
Stack Temperature	:	:	384 °K
Monitoring Period	:	:	60.25 m
Flow Rate	:	:	20 LPM
Parameters	Results	Standard Limits	Unit
Particulate Matter	26	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	545	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	236	600	(mg/Nm ³)




Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-01/03
Date : 07/02/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-01/03		
02	Date of Sampling	25.01.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	53		
06	Exit Velocity of Gas (m/sec)	11.2		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:


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

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.

STACK EMISSION MONITORING REPORT

January - 2023

Name of Stack & Stack No.	:	Cooler ESP (3)	
Date of Monitoring	:	11.01.2023	
Stack Velocity of Flue gas	:	15.16 m/s	
Stack Temperature	:	422 °K	
Monitoring Period	:	59.23m	
Flow Rate	:	18 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	19	30	(mg/Nm ³)


Analyzed By




Verified By

Report No.: ENV/GSCL/22-23/SE-01/01
 Date : 07/02/2023

Order No.: FFE/7500001077
 Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
 Village- Mustiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-01/01		
02	Date of Sampling	24.01.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	228		
06	Exit Velocity of Gas (m/sec)	18.9		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

STACK EMISSION MONITORING REPORT

January - 2023

Name of Stack & Stack No.	:	Cement Mill (4)	
Date of Monitoring	:	12.01.2023	
Stack Velocity of Flue gas	:	15.14m/s	
Stack Temperature	:	376 °K	
Monitoring Period	:	79.15m	
Flow Rate	:	14 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	25	30	(mg/Nm ³)




Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-01/04
Date : 07/02/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-01/04		
02	Date of Sampling	25.01.2023		
03	Material of Construction	M.S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	78		
06	Exit Velocity of Gas (m/sec)	10.3		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
L	Particulate Matter	13	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

STACK EMISSION MONITORING REPORT

January - 2023

Name of Stack & Stack No.	:	CPP (5)	
Date of Monitoring	:	13.01.2023	
Stack Velocity of Flue gas	:	19 m/s	
Stack Temperature	:	356 °K	
Monitoring Period	:	59m	
Flow Rate	:	21LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	24	50	(mg/Nm ³)
Sulphur Dioxide (SO ₂)	487	600	(mg/Nm ³)
Nitrogen Oxide (NO _X)	254	300	(mg/Nm ³)



Analysed By


Verified By



ENVIROCON

Recognised By

Pollution Control Board, Assam

Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171
Ph: 03751-264414, 9435008857, 8876028672
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GSCL/22-23/SE-01/05
Date : 07/02/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-01/05		
02	Date of Sampling	25.01.2023		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPE)		
05	Flue Gas Temperature (°C)	99		
06	Exit Velocity of Gas (m/sec)	6.2		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	37	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	473	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	216	mg/Nm ³	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, I.O.C.L (AOD) 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/GSCL/22-23/FE-01/01
Date : 07/02/2023

Order No.: FFE/500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Fly-ash Storage Section	24.01.2023	893	5000
02	Coal Storage Section	24.01.2023	636	2000
03	Limestone Storage Section	25.01.2023	1832	5000
04	Cement Packing Section	25.01.2023	2188	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/N-01/01

Date : 07/02/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Mustang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			L_{eq} (dB-A)	Limit (dB-A)	L_{eq} (dB-A)	Limit (dB-A)
1	Near Coal Mill	24.01.2023	66.5	75	57.3	70
2	Near CPP Area	24.01.2023	72.8	75	64.8	70
3	Near Coal Storage Yard	25.01.2023	61.3	75	55.2	70
4	Near Raw Mill	25.01.2023	71.8	75	68.3	70
5	Near Cement Mill	25.01.2023	69.3	75	65.8	70
6	HR & Mine's Office	26.01.2023	55.7	75	47.1	70
7	CPP TG Building	26.01.2023	72.4	75	67.3	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
 2. Results refer only to the particular parameters tested.
 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.I (AOD) 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/GSCL/22-23/DW-01/01
Date : 07/02/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No.: GSCL/22-23/DW-3001/01
Collected On : 30-01-2023

Sample Source : Anapurna Mess
Received On : 31-01-2023

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	2	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.3	1	5
5.	Ph	6.91	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l Max	67	500	2000
7.	Aluminium (as Al), mg/l, Max	ND	0.03	0.2
8.	Boron (as B), mg/l, Max	ND	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	29	75	200
10.	Chloride (as Cl), mg/l, Max	7.3	250	1000
11.	Copper (as Cu), mg/l, Max	ND	0.05	1.5
12.	Fluorides (as F), mg/l, Max	ND	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	ND	0.2	1
14.	Iron (as Fe), mg/l, Max	0.013	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	3	30	100
16.	Manganese (as Mn), mg/l, Max	ND	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	ND	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	0.2	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	ND	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max	ND	0.001	0.002
				--Continued--

*Limits as per IS 10500:2012

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, I.O.C.L (AOD) 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/GSCL/22-23/DW-01/01
 Date : 07/02/2023

 Order No.: FFE/7500001077
 Date : 30/03/2022

 Report issued To : **GOLDSTONE CEMENTS LIMITED**
 Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

 Sample Ref. No.: GSCL/22-23/DW-3001/01
 Collected On : 30-01-2023

 Sample Source : Anapurna Mess
 Received On : 31-01-2023

 Sample Type : Drinking Water
 Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃), mg/L Max	53	200	500
22.	Total Hardness, (as CaCO ₃), mg/L Max	32	200	500
23.	Cadmium (as Cd), mg/l, Max.	ND	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	ND	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	ND	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	ND	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	ND	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
29.	Anionic Detergents (as MBAS), mg/l	ND	0.2	1.0
30.	Total Arsenic (as As), mg/l, Max	ND	0.01	0.05
31.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
32.	Faecal Coliforms/ 100 ml	NIL	Absent	Absent
33.	E. Coli / 100 ml	NIL	Absent	Absent

*Limits as per IS 10500:2012

 Analysis Protocol: IS 3025
 ND: Not Detected

Remarks: Drinking water from the above source is fit for drinking.


Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/WW-01/01
Date : 07/02/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Mustang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-3001/01
Sample Type/Source : Waste Water (Treated)/ETP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 30.01.2023
Sample Received On : 31.01.2023
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	-	6.73	5.5 - 9.0
2.	Temperature	°C	24.8	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	37	100
4.	Biochemical Oxygen Demand	mg/l	25	30
5.	Chemical Oxygen Demand	mg/l	154	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.8	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	22	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Barol, ENVIROCON

NOTE:

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

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/GSCL/22-23/WW-01/02
 Date : 07/02/2023

 Order No.: FFE/7500001077
 Date : 30/03/2022

 Report issued To : **GOLDSTONE CEMENTS LIMITED**
 Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

 Sample Ref. No. : GSCL/22-23/WW-3001/02
 Sample Type/Source : Waste Water (Treated)/CPP N-Pit Outlet
 Sample Collected By : Representative of ENVIROCON
 Sample Collected On : 30.01.2023
 Sample Received On : 31.01.2023
 Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	-	6.84	5.5 - 9.0
2.	Temperature	°C	24.0	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	18	100
4.	Biochemical Oxygen Demand	mg/l	15	30
5.	Chemical Oxygen Demand	mg/l	56	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	3.4	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	16	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

No: GSCL/EHS/2022-23/46

Dated: 15.03.2023

To,
The Member Secretary,
Meghalaya State Pollution Control Board,
Arden, Lumpyngngad,
Shillong-793014.

Sub: Submission of Monthly Environmental Monitoring Reports- FEBRUARY 2023

Dear Sir / Madam,

With reference to the subject as cited above, we are herewith submitting
Monthly Environmental Monitoring Reports for the month of **FEBRUARY 2023**.

The test reports are enclosed.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully,

For Goldstone Cements Ltd.


Authorized Signatory


Encl: Environmental Monitoring Reports – FEBRUARY 2023



Goldstone Cements Limited
CIN No. : U26940ML2007PLC008298

AMBIENT AIR QUALITY MONITORING RESULTS**February – 2023**

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	06.02.2023	35.2	45.7	5.4	7.8
Near CCR Material Yard	07.02.2023	35.7	46.8	5.6	9.2
Near Guest House (Yamuna Sadan)	08.02.2023	20.1	37.4	<5.0	<6.0
Residential Colony	09.02.2023	23.5	38.9	<5.0	<6.0



 Analyzed By


 Verified By

AMBIENT AIR QUALITY MONITORING RESULTS

February – 2023

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	13.02.2023	34.7	57.2	6.7	8.9
Near CCR Material Yard	14.02.2023	43.9	53.7	6.5	11.2
Near Guest House (Yamuna Sadan)	15.02.2023	44.8	36.7	<5.0	<6.0
Residential Colony	16.02.2023	18.9	38.3	<5.0	<6.0


Analyzed By


Verified By

Report No. : ENV/GSCL/22-23/AA-02/01

Date : 09/03/2023

Order No. : FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village: Musiang Lamare (Old); PO: Khliehriat, Meghalaya- 793200

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	CO (mg/m ³)	O ₂ (µg/m ³)	B(a)P (ng/m ³)	C.H ₄ (µg/m ³)	Ni (ng/m ³)	As (ng/m ³)	Pb (µg/m ³)
LIMITS →	-	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	100 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
Near CPP (Water Reservoir)	16.02.2023	22.3	58.2	7.3	12.6	14.2	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Near CCR (Material Yard)	15.02.2023	20.4	46.2	6.6	9.2	11.4	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Near Guest House (Yamana Sadan)	15.02.2023	17.6	35.6	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01
Residential Colony	16.02.2023	19.6	33.9	<5.0	<6.0	<5.0	<0.01	<1.0	<0.1	<0.01	<0.01	<0.01	<0.01

Analysis Protocol: IS 5182



Checked By: Panlaj Baroi, ENVIROCON

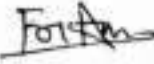
- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
 2. Results refer only to the particular parameters tested.
 3. This test report shall not be reproduced except in full without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi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

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.

AMBIENT AIR QUALITY MONITORING RESULTS**February- 2023**

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	17.02.2023	35.1	45.8	8.4	10.9
Near CCR Material Yard	18.02.2023	36.2	56.7	8.3	12.8
Near Guest House (Yamuna Sadan)	20.02.2023	27.9	40.8	<5.0	<6.0
Residential Colony	21.20.2023	18.9	36.4	<5.0	<6.0


Analyzed By


Verified By



envirocon

Recognised By
Pollution Control Board, Assam

Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171
Ph: 03781-284414, 9435008857, 8876028872
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GSCL/22-23/FE-02/01
Date : 09/03/2023

Order No.: FFE/500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Fly-ash Storage Section	15.02.2023	885	5000
02	Coal Storage Section	15.02.2023	642	2000
03	Limestone Storage Section	16.02.2023	1841	5000
04	Cement Packing Section	16.02.2023	2192	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

STACK EMISSION MONITORING REPORT

February-2023

Name of Stack & Stack No.	:	Raw Mill & Kiln (1)
Date of Monitoring	:	02. 02. 2023
Stack Velocity of Flue gas	:	17.4 m/s
Stack Temperature	:	435 °K
Monitoring Period	:	46.8 m
Flow Rate	:	19 LPM

Parameters	Results	Standard Limits	Unit
Particulate Matter	24	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	482	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	283	600	(mg/Nm ³)



[Signature]
Analyzed By

[Signature]
Verified By



envirocon

Recognised By
Pollution Control Board, Assam

Envirocon Building, I.O.C.L (AOD) New Market
P.O.: Digboi, Dist.: Tinsukia, Assam - 786 171
Ph: 03751-264414, 9435008657, 8876028673
E-mail: envirocon@rediffmail.com

ISO 9001:2015 Certified
ISO 45001:2018 Certified

Report No.: ENV/GSCL/22-23/SE-02/01

Date : 09/03/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Mustang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-02/01		
02	Date of Sampling	15.02.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill (KIn)		
05	Flue Gas Temperature (°C)	181		
06	Exit Velocity of Gas (m/sec)	6.4		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I	Particulate Matter	11	mg/Nm ³	30
II	Sulphur Dioxide (as SO ₂)	302	mg/Nm ³	1000
III	Oxides of Nitrogen (as NO _x)	262	mg/Nm ³	600

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

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.

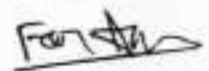
STACK EMISSION MONITORING REPORT

February- 2023

Name of Stack & Stack No.	:	Coal Mill (2)	
Date of Monitoring	:	03.02.2023	
Stack Velocity of Flue gas	:	19.12 m/s	
Stack Temperature	:	378 °K	
Monitoring Period	:	59.14m	
Flow Rate	:	21 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	27	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	540	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	278	600	(mg/Nm ³)




Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-02/02

Date : 09/03/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.- Khliebriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-02/02		
02	Date of Sampling	15.02.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	58		
06	Exit Velocity of Gas (m/sec)	11.9		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1.	Particulate Matter	26	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

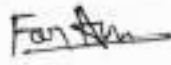
- NOTE:**
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
 2. Results refer only to the particular parameters tested.
 3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi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

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.

STACK EMISSION MONITORING REPORTFebruary 2023

Name of Stack & Stack No.	:	Cooler ESP (3)	
Date of Monitoring	:	04.02.2023	
Stack Velocity of Flue gas	:	16.11 m/s	
Stack Temperature	:	419 °K	
Monitoring Period	:	62.13m	
Flow Rate	:	19.9M	
Parameters	Results	Standard Limits	Unit
Particulate Matter	21	30	(mg/Nm ³)


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-02/03
Date : 09/03/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-02/03		
02	Date of Sampling	15.02.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	224		
06	Exit Velocity of Gas (m/sec)	17.5		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1	Particulate Matter	22	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON


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

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.

STACK EMISSION MONITORING REPORT

February 2023

Name of Stack & Stack No.	:	Cement Mill (4)		
Date of Monitoring	:	06.02.2023		
Stack Velocity of Flue gas	:	17.10 m/s		
Stack Temperature	:	384 °K		
Monitoring Period	:	81 m		
Flow Rate	:	16 LPM		
Parameters	Results	Standard Limits	Unit	
Particulate Matter	24	30	(mg/Nm ³)	


Analyzed By




Verified By

Report No.: ENV/GSCL/22-23/SE-02/05
Date : 09/03/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-02/05		
02	Date of Sampling	16.02.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	72		
06	Exit Velocity of Gas (m/sec)	10.1		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
1	Particulate Matter	15	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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

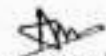
STACK EMISSION MONITORING REPORT

February-2023

Name of Stack & Stack No.	:	CPP (5)
Date of Monitoring	:	07.02.2023
Stack Velocity of Flue gas	:	21m/s
Stack Temperature	:	375 °K
Monitoring Period	:	56m
Flow Rate	:	19LPM

Parameters	Results	Standard Limits	Unit
Particulate Matter	23	50	(mg/Nm ³)
Sulphur Dioxide (SO ₂)	497	600	(mg/Nm ³)
Nitrogen Oxide (NO _X)	264	300	(mg/Nm ³)




Analysed By


Verified By

Report No.: ENV/GSCL/22-23/SE-02/04
Date : 09/03/2023

Order No.: FFE/7500061077
Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: - Khlehnriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-02/04		
02	Date of Sampling	16.02.2023		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Flue Gas Temperature (°C)	102		
06	Exit Velocity of Gas (m/sec)	6.7		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	44	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	483	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	221	mg/Nm ³	300
iv.	Mercury (as Hg)	<0.01	mg/Nm ³	0.03



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/N-02/01
Date : 09/03/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date of Measurement	Day time		Night Time	
			L_{eq} (dB-A)	Limit (dB-A)	L_{eq} (dB-A)	Limit (dB-A)
1	Near Coal Mill	15.02.2023	68.3	75	56.7	70
2	Near CPP Area	15.02.2023	71.6	75	66.5	70
3	Near Coal Storage Yard	15.02.2023	62.7	75	57.3	70
4	Near Raw Mill	15.02.2023	72.2	75	67.1	70
5	Near Cement Mill	16.02.2023	70.6	75	64.8	70
6	HR & Mine's Office	16.02.2023	53.9	75	48.3	70
7	CPP TG Building	16.02.2023	71.4	75	66.9	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.

3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi - 786171, Assam.

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/GSCL/22-23/DW-02/01

Date : 09/03/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**

Village- Muslang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/DW-1702/01

Sample Source : Testa Sadhan

Sample Type : Drinking Water

Collected On : 17-02-2023

Received On : 19-02-2023

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	3	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.4	1	5
5.	Ph	6.94	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	69	500	2000
7.	Aluminium (as Al), mg/l, Max.	ND	0.03	0.2
8.	Boron (as B), mg/l, Max.	ND	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	27	75	200
10.	Chloride (as Cl), mg/l, Max	7.5	250	1000
11.	Copper (as Cu), mg/l, Max	ND	0.05	1.5
12.	Fluorides (as F), mg/l, Max	ND	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	ND	0.2	1
14.	Iron (as Fe), mg/l, Max	0.014	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	4	30	100
16.	Manganese (as Mn), mg/l, Max	ND	0.1	0.3
17.	Manganese (as Mn), mg/l, Max	ND	5.0	15
18.	Zinc (as Zn), mg/l, Max	ND	5.0	15
19.	Nitrate (as NO ₃), mg/l, Max	0.3	45	No Relaxation
20.	Sulfate (as SO ₄), mg/l, Max	ND	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	ND	0.001	0.002
				-Continued-

*Limits as per IS 10500:2012

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, I.O.C.I. (AOD) New Market, Digboi - 786 171, 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/GSCL/22-23/DW-02/01

Date : 09/03/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No.: GSCL/22-23/DW-1702/01

Sample Source : Testa Sadhan

Sample Type : Drinking Water

Collected On : 17-02-2023

Received On : 19-02-2023

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃) , mg/l, Max	55	200	600
22.	Total Hardness, (as CaCO ₃) mg/l, Max	34	200	600
23.	Cadmium (as Cd), mg/l, Max.	ND	0.003	No Relaxation
24.	Cyanide (as CN), mg/l, Max.	ND	0.05	No Relaxation
25.	Lead (as Pb), mg/l, Max.	ND	0.01	No Relaxation
26.	Mercury (as Hg), mg/l, Max.	ND	0.001	No Relaxation
27.	Selenium (as Se), mg/l, Max.	ND	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
29.	Total Chromium, (as Cr), mg/l, Max	ND	0.2	1.0
29.	Anionic Detergents (as MBAS), mg/l	ND	0.1	0.05
30.	Total Arsenic (as As), mg/l, Max	ND	0.01	0.05
30.	Total Arsenic (as As), mg/l, Max	ND	0.05	No Relaxation
31.	Total Chromium, (as Cr), mg/l, Max	ND	0.05	No Relaxation
31.	Total Chromium, (as Cr), mg/l, Max	NIL	Absent	Absent
32.	Faecal Coliforms/ 100 ml	NIL	Absent	Absent
32.	Faecal Coliforms/ 100 ml	NIL	Absent	Absent
33.	E. Coli / 100 ml	NIL	Absent	Absent
				-End of Report-

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025
 ND: Not Detected

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE: 1. Results reported are valid at the time of and under the prevailing conditions of measurement.

2. Results refer only to the particular parameters tested.

3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi - 786171, Assam.

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/GSCL/22-23/WW-02/01
Date : 09/03/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-1702/01
Sample Type/Source : Waste Water (Treated)/ETP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 17.02.2023
Sample Received On : 19.02.2023
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	-	6.71	5.5 - 9.0
2.	Temperature	°C	24.4	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	39	100
4.	Biochemical Oxygen Demand	mg/l	23	30
5.	Chemical Oxygen Demand	mg/l	161	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	5.6	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	29	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/WW-02/02
 Date : 09/03/2023

Order No.: FFE/7500001077
 Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
 Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-1702/02
 Sample Type/Source : Waste Water (Treated)/CPP N-Pt Outlet
 Sample Collected By : Representative of ENVIROCON
 Sample Collected On : 17.02.2023
 Sample Received On : 19.02.2023
 Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	-	6.82	5.5 - 9.0
2.	Temperature	°C	24.3	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	21	100
4.	Biochemical Oxygen Demand	mg/l	17	30
5.	Chemical Oxygen Demand	mg/l	62	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	3.7	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	26	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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



**BLACKTIGER
CEMENT**

HILA NA PAOGE

No: GSCL/EHS/2023-24/03

Dated: 10.04.2023

To,
The Member Secretary,
Meghalaya State Pollution Control Board,
Arden, Lumpynggad,
Shillong-793014.

Sub: Submission of Monthly Environmental Monitoring Reports- MARCH 2023

Dear Sir / Madam,

With reference to the subject as cited above, we are herewith submitting
Monthly Environmental Monitoring Reports for the month of **MARCH 2023**.

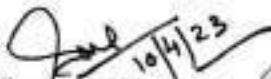
The test reports are enclosed.

We request you to acknowledge the receipt.

Thanking You,

Yours faithfully,

For Goldstone Cements Ltd.


10/4/23
Authorized Signatory



Encl: Environmental Monitoring Reports – MARCH 2023



Goldstone Cements Limited

CIN No. : U26940ML2007PLC008298

AMBIENT AIR QUALITY MONITORING RESULTSMarch – 2023

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	03.03.2023	34.1	44.3	5.5	7.6
Near CCR Material Yard	04.03.2023	33.8	43.9	5.7	8.9
Near Guest House (Yamuna Sadan)	09.03.2023	22.1	38.4	<5.0	<6.0
Residential Colony	10.03.2023	24.2	37.6	<5.0	<6.0




Analyzed By


Verified By

AMBIENT AIR QUALITY MONITORING RESULTS**March – 2023**

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	11.03.2023	33.5	54.9	6.8	7.6
Near CCR Material Yard	13.03.2023	41.6	51.4	7.1	10.7
Near Guest House (Yamuna Sadan)	14.03.2023	43.7	38.7	<5.0	<6.0
Residential Colony	15.03.2023	19.4	37.6	<5.0	<6.0


 Analyzed By


 Verified By

AMBIENT AIR QUALITY MONITORING RESULTS**March – 2023**

Stations Name	Date of Monitoring	Parameters Results			
		PM _{2.5}	PM ₁₀	SO ₂	NO ₂
		Limit 60 µg/m ³	Limit 100 µg/m ³	Limit 80 µg/m ³	Limit 80 µg/m ³
Near CPP Water Reservoir	16.03.2023	34.9	44.6	8.5	10.7
Near CCR Material Yard	17.03.2023	35.4	55.7	7.9	11.9
Near Guest House (Yamuna Sadan)	18.03.2023	26.3	41.5	<5.0	<6.0
Residential Colony	20.03.2023	19.4	37.8	<5.0	<6.0


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/AA-03/01
Date : 10/04/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	Location(s) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	Limit(s) →		60 (24 Hrs. Av.)	100 (24 Hrs. Av.)	80 (24 Hrs. Av.)	80 (24 Hrs. Av.)
1.	Near CPP (Water Reservoir)	24.03.2023	21.3	42.5	<5.0	<6.0
2.	Near CCR (Material Yard)	24.03.2023	19.7	44.2	<5.0	<6.0
3.	Near Guest House (Yamuna Sadan)	23.03.2023	10.3	26.9	<5.0	<6.0
4.	Residential Colony	23.03.2023	13.9	28.3	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.I (AOD) 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/GSCL/22-23/FE-03/01
Date : 10/04/2023

Order No.: FFE/500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Fly-ash Storage Section	22.03.2023	835	5000
02	Coal Storage Section	22.03.2023	603	2000
03	Limestone Storage Section	23.03.2023	1811	5000
04	Cement Packing Section	23.03.2023	2163	5000

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

Report No.: ENV/GSCL/22-23/SE-02/07

Date : 28/03/2023

Order No.: PFE/7506001077

Date : 30/03/2022

Report issued To: **GOLDSTONE CEMENTS LIMITED**

Vill.: Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-02/01		
02	Date of Sampling	15.02.2023		
03	Stack Attached To	Raw Mill and Kiln		
04	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I	Total Organic Carbon (as TOC)	1.67	mg/Nm ³	10
II.	Total Dioxins and Furans	BDL [MDL: 0.01]	ngTEQ/Nm ³	0.1

BDL: Below Detectable Limit, MDL: Minimum Detectable Limit



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/SE-02/06
Date : 28/03/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report issued To : **GOLDSTONE CEMENTS LIMITED**
Vill.: Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-02/01		
02	Date of Sampling	15.02.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill and Kiln		
05	Flue Gas Temperature (°C)	181		
06	Exit Velocity of Gas (m/sec)	6.4		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Oxygen (as O ₂)	13.9	% V/V	--
II.	Hydrogen Chloride (as HCl)	BDL [MDL: 1.0]	mg/Nm ³	10
III.	Hydrogen Fluoride (as HF)	BDL [MDL: 1.0]	mg/Nm ³	1
IV.	Mercury (as Hg)	BDL [MDL: 0.001]	mg/Nm ³	0.03
V.	Hg and its compounds	BDL [MDL: 0.001]	mg/Nm ³	0.05
VI.	Cd + Tl and their compounds	0.016	mg/Nm ³	0.05
VII.	Sb+As+Pb+Co+Cr+Cu+Mn+Ni+V+ and their compounds	0.06	mg/Nm ³	0.5

BDL: Below Detectable Limit, MDL: Minimum Detectable Limit



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORT

March - 2023

Name of Stack & Stack No.	:	Raw Mill & Kiln (1)	
Date of Monitoring	:	04. 03. 2023	
Stack Velocity of Flue gas	:	19.7 m/s	
Stack Temperature	:	439 ^o K	
Monitoring Period	:	46.7 m	
Flow Rate	:	21 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	23	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	479	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	278	600	(mg/Nm ³)


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-03/01

Order No.: FFE/7500001077

Date : 10/04/2023

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Mustang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-03/01		
02	Date of Sampling	23.03.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Raw Mill (Kiln)		
05	Flue Gas Temperature (°C)	182		
06	Exit Velocity of Gas (m/sec)	13.6		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	19	mg/Nm ³	30
II.	Sulphur Dioxide (as SO ₂)	473	mg/Nm ³	1000
III.	Oxides of Nitrogen (as NO _x)	217	mg/Nm ³	600

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORTMarch - 2023

Name of Stack & Stack No.	:	Coal Mill (2)	
Date of Monitoring	:	06.03.2023	
Stack Velocity of Flue gas	:	18.14 m/s	
Stack Temperature	:	375 °K	
Monitoring Period	:	61.78 m	
Flow Rate	:	24 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	21	30	(mg/Nm ³)
Sulphur Dioxide(SO ₂)	538	1000	(mg/Nm ³)
Nitrogen Oxide (NOX)	284	600	(mg/Nm ³)


Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-03/02

Order No.: FFE/7500001077

Date : 10/04/2023

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-03/02		
02	Date of Sampling	23.03.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Flue Gas Temperature (°C)	51		
06	Exit Velocity of Gas (m/sec)	10.7		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
L	Particulate Matter	27	mg/Nm ³	30

*NA: Not Applicable




Checked By: Mr. Pankaj Baroi, ENVIROCON

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

STACK EMISSION MONITORING REPORT March - 2023

Name of Stack & Stack No.	:	Cooler ESP (3)	
Date of Monitoring	:	07.03.2023	
Stack Velocity of Flue gas	:	18.16 m/s	
Stack Temperature	:	422 ^o K	
Monitoring Period	:	66.11m	
Flow Rate	:	18.17M	
Parameters	Results	Standard Limits	Unit
Particulate Matter	23	30	(mg/Nm ³)


Analyzed By




Verified By

Report No.: ENV/GSCL/22-23/SE-03/03
Date : 10/04/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-03/03		
02	Date of Sampling	24.03.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E. S. P.		
05	Flue Gas Temperature (°C)	221		
06	Exit Velocity of Gas (m/sec)	17.2		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
L	Particulate Matter	24	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

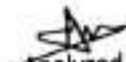
NOTE:

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

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.

STACK EMISSION MONITORING REPORTMarch -2023

Name of Stack & Stack No.	:	Cement Mill (4)	
Date of Monitoring	:	08.03.2023	
Stack Velocity of Flue gas	:	19.14 m/s	
Stack Temperature	:	379 ^o K	
Monitoring Period	:	84 m	
Flow Rate	:	17 LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	22	30	(mg/Nm ³)



Analyzed By


Verified By

Report No.: ENV/GSCL/22-23/SE-03/05

Date : 10/04/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.: Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-03/05		
02	Date of Sampling	24.03.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cement Mill		
05	Flue Gas Temperature (°C)	72		
06	Exit Velocity of Gas (m/sec)	9.8		
07	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
L	Particulate Matter	11	mg/Nm ³	30

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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.

STACK EMISSION MONITORING REPORTMarch - 2023

Name of Stack & Stack No.	:	CPP (5)	
Date of Monitoring	:	09.03.2023	
Stack Velocity of Flue gas	:	23m/s	
Stack Temperature	:	378 °K	
Monitoring Period	:	59 m	
Flow Rate	:	23LPM	
Parameters	Results	Standard Limits	Unit
Particulate Matter	25	50	(mg/Nm ³)
Sulphur Dioxide (SO ₂)	493	600	(mg/Nm ³)
Nitrogen Oxide (NO _X)	261	300	(mg/Nm ³)


 Analysed By


 Verified By

Report No.: ENV/GSCL/22-23/SE-03/04

Date : 10/04/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

STACK EMISSION TEST RESULTS

01	Test Ref. No.	GSCL/22-23/SE-03/04		
02	Date of Sampling	24.03.2023		
03	Material of Construction	Refractory Brick		
04	Stack Attached To	Captive Power Plant (CPP)		
05	Flue Gas Temperature (°C)	101		
06	Exit Velocity of Gas (m/sec)	6.6		
07	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
I.	Particulate Matter	43	mg/Nm ³	50
ii.	Sulphur Dioxide (as SO ₂)	486	mg/Nm ³	600
iii.	Oxides of Nitrogen (as NO _x)	223	mg/Nm ³	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, I.O.C.L (AOD) 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/GSCL/22-23/N-03/01
Date : 10/04/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	Near Coal Mill	22.03.2023	68.3	75	59.7	70
2	Near CPP Area	22.03.2023	71.6	75	66.2	70
3	Near Coal Storage Yard	23.03.2023	63.4	75	52.8	70
4	Near Raw Mill	23.03.2023	70.1	75	66.4	70
5	Near Cement Mill	23.03.2023	68.6	75	64.9	70
6	HR & Mine's Office	24.03.2023	54.7	75	49.8	70
7	CPP TG Building	24.03.2023	71.8	75	66.1	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

Report No.: ENV/GSCL/22-23/DW-03/01
Date : 10/04/2023

Order No.: FFE/7500001077
Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**
Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/DW-3103/01
Collected On : 31-03-2023

Sample Source : Anapurna Mess
Received On : 03-04-2023

Sample Type : Drinking Water
Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max	3	5	15
2.	Odour	Odourless	Agreeable	Agreeable
3.	Taste	Acceptable	Agreeable	Agreeable
4.	Turbidity, NTU, Max	0.2	1	5
5.	pH	6.93	6.5 - 8.5	No Relaxation
6.	Total Dissolved Solids, mg/l, Max	65	500	2000
7.	Aluminium (as Al), mg/l, Max.	ND	0.03	0.2
8.	Boron (as B), mg/l, Max.	ND	0.5	1.0
9.	Calcium (as Ca), mg/l, Max	27	75	200
10.	Chloride (as Cl), mg/l, Max	7.1	250	1000
11.	Copper (as Cu), mg/l, Max	ND	0.05	1.5
12.	Fluorides (as F), mg/l, Max	ND	1.0	1.5
13.	Free Residual Chlorine, mg/l, Min	ND	0.2	1
14.	Iron (as Fe), mg/l, Max	0.014	0.3	No Relaxation
15.	Magnesium (as Mg), mg/l, Max	4	30	100
16.	Manganese (as Mn), mg/l, Max	ND	0.1	0.3
17.	Zinc (as Zn), mg/l, Max	ND	5.0	15
18.	Nitrate (as NO ₃), mg/l, Max	0.3	45	No Relaxation
19.	Sulfate (as SO ₄), mg/l, Max	ND	200	400
20.	Phenolic Compounds (as C ₆ H ₅ OH), mg/l, Max.	ND	0.001	0.002
--Continued--				

*Limits as per IS 10500:2012

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, I.O.C.I (AOD) 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/GSCL/22-23/DW-03/01

Date : 10/04/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

DRINKING WATER ANALYSIS RESULTS

Sample Ref. No.: GSCL/22-23/DW-3103/01

Sample Source : Anapurna Mess

Sample Type : Drinking Water

Collected On : 31-03-2023

Received On : 03-04-2023

Collected By : Envirocon Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
21.	Total Alkalinity(as CaCO ₃), mg/l Max	55	200	600
22.	Total Hardness, (as CaCO ₃), mg/l Max	34	200	600
23.	Cadmium (as Cd), mg/l Max	ND	0.003	No Relaxation
24.	Cyanide (as CN), mg/l Max	ND	0.05	No Relaxation
25.	Lead (as Pb), mg/l Max	ND	0.01	No Relaxation
26.	Mercury (as Hg), mg/l Max	ND	0.001	No Relaxation
27.	Selenium (as Se), mg/l Max	ND	0.01	No Relaxation
28.	Total Chromium, (as Cr), mg/l Max	ND	0.05	No Relaxation
29.	Total Chromium, (as Cr), mg/l Max	ND	0.2	1.0
29.	Anionic Detergents (as MBAS), mg/l	ND	0.01	0.05
30.	Total Arsenic (as As), mg/l Max	ND	0.05	No Relaxation
31.	Total Chromium, (as Cr), mg/l Max	ND	0.05	No Relaxation
32.	Faecal Coliforms/ 100 ml	NIL	Absent	Absent
33.	E. Coli / 100 ml	NIL	Absent	Absent
				--End of Report--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025
ND: Not Detected

Remarks: Drinking water from the above source is fit for drinking.



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/WW-03/01

Date : 10/04/2023

Order No.: FFE/7500001077

Date : 30/03/2022

Report Issued To: **GOLDSTONE CEMENTS LIMITED**

Village- Musiang Lamare (Old), P. O.- Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-3103/01
Sample Type/Source : Waste Water (Treated)/ETP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 31.03.2023
Sample Received On : 03.04.2023
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.71	5.5 - 9.0
2.	Temperature	°C	25.4	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	39	100
4.	Biochemical Oxygen Demand	mg/l	23	30
5.	Chemical Oxygen Demand	mg/l	151	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	5.3	50
9.	Total Kjeldahl Nitrogen (as NH ₄)	mg/l	29	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

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/GSCL/22-23/WW-03/02
 Date : 10/04/2023

Order No.: FFE/7500001077
 Date : 30/03/2022

Report Issued To : **GOLDSTONE CEMENTS LIMITED**
 Village- Musiang Lamare (Old), P. O.-: Khliehriat, Meghalaya- 793200

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : GSCL/22-23/WW-3103/02
 Sample Type/Source : Waste Water (Treated)/CPP N-Pit Outlet
 Sample Collected By : Representative of ENVIROCON
 Sample Collected On : 31.03.2023
 Sample Received On : 03.04.2023
 Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.79	5.5 - 9.0
2.	Temperature	°C	25.4	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	18	100
4.	Biochemical Oxygen Demand	mg/l	15	30
5.	Chemical Oxygen Demand	mg/l	56	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	8.2	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	23	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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

Annexure-2

Construction of Concrete Roads



In front of CCR



In front of Packing Plant



Near CSP





Access road to Packing Plant



Water Sprinkling in roads through Permanent Sprinklers in material yard surrounding roads



Water Sprinkling through Water Tanker Sprinklers at Limestone Crusher



Water Sprinkling through Permanent Water Sprinklers at CPP road





**Water Sprinkling through Water Tanker
Inside the coal storage sheds**



**Water Sprinkling through Water Tanker
In all internal Roads at Plant**



**Water Sprinkling through Water Tanker
In all internal Roads at Plant**



**Water Sprinkling through Water Tanker
In all internal Roads at Plant**



Water Sprinkling through Permanent Water Sprinklers from CIVIL office to MRSS



Water Sprinkling through Permanent Water Sprinklers from main Security Gate to HSD Pump



Water Sprinkling through Permanent Water Sprinklers from main Security Gate to HSD Pump

Annexure – 3

PUC Certificates

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
State Transport Department

Date : 25/01/2023
Time : 11:19:25 AM
Validity upto : 24/07/2023



Certificate SL. No. : TR00500020001365
Registration No. : TR061864
Date of Registration : 28/Jan/2015
Month & Year of Manufacturing : August-2014
Valid Mobile Number : *****9192
Emission Norms : BHARAT STAGE III
Fuel : DIESEL
PUC Code : TR0050002
GSTIN :
Fees : Rs.110.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	2.45	2.02

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Government of Assam

Date : **10/01/2023**
Time : **10:16:23 AM**
Validity upto : **09/01/2024**



Certificate SL. No. : AS02400010012211
Registration No. : AS11DC9511
Date of Registration : 05/Apr/2021
Month & Year of Manufacturing : February-2021
Valid Mobile Number : *****0000
Emission Norms : BHARAT STAGE VI
Fuel : DIESEL
PUC Code : AS0240001
GSTIN :
Fees : Rs.110.00
(GST to be paid extra as applicable)
MIL observation : No

Vehicle Photo with Registration plate
60 mm x 30 mm



Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	0.7	0.62

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to <https://puc.parivahan.gov.in>

Authorised Signature with stamp of PUC operator
60mm x 20 mm

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No. 13

Sl.No. 615

Date. 14-12-22

**SMOKE EMISSION TEST REPORT
(PETROL DRIVEN VEHICLES)**

The Vehicle No. ML 11 1875 is tested for emission level and reading is as under:

Sl. No.	Vehicle Type	Present Norms	New Norms	Actual Reading	
		CO%	CO%	Before Adjustment	After Adjustment
1.	2 Wheels (2/4-stroke) & 3 Wheeler (manufactured prior to 31.03.2000)	4.5	4.5		
2.	4 stroke 2 Wheeler & 3 Wheeler vehicles fitted with catalytic converters (manufactured after 31.03.2000)	4.5	3.5		
3.	4 Wheelers vehicles (manufactured after 31.03.2000) (Petrol/CNG/LPG)	3.0	3.0		
4.	Bharat Stage II compliant Passenger Cars/CNG Buses/LPG (Fitted with 3-way closed loop catalytic converters)	3.0	0.5		1.30% CO

The HC Norms shall be as under :-

Sl. No.	Type of Vehicle	(In parts per million) Permissible HC Limit
1.	2 stroke 2 Wheelers	6000
2.	4 stroke 2 Wheelers	4500
3.	3 Wheelers	4500
4.	2 Wheelers & 3 Wheelers (manufactured prior to 1.04.2000)	9000
5.	Bharat Stage II Compliant Motor Car fitted with 3- way Catalytic converters	750
6.	Other Motor Cars	1500

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto 13-06-23

Authorised Signature

Seal of the Testing Station
Shri. Final Dkhar

Deinshynrum, Khliehriat
East Jaintia Hills Dist.

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS

Name of Licence Holder:-

SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT



LICENCE NO.

Com/Trans/PTS/2001/65/Vol-V/436

DATE OF ISSUE:- 03.02.2022

Book No. ||

Sl.No. **502**

Date 14/12/2022

SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)

The Vehicle No. ML-11-3246 is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		20.24 Hsu
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto 13/06/2023

Authorized Signature
Seal of the Testing Station
Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- **03.02.2022**

Book No. **11**

SI.No. **509**

Date **14/12/2022**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML-11-4511** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		20.24515u
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **13/06/2023**

Authorised Signature
Seal of the Testing Station

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS

Name of Licence Holder:-
SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- **03.02.2022**

Book No. **11**

Sl.No. **503**


Date. **14/12/2022**

SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)

The Vehicle No. **ML-11-3245** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		20.23 Hsu
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **13/06/2023**


Authorised Signature
Seal of the Testing Station
Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

Annexure – 4

Water Reservoir



Annexure-5



Green Belt Area (Truck Parking Area):14376.5



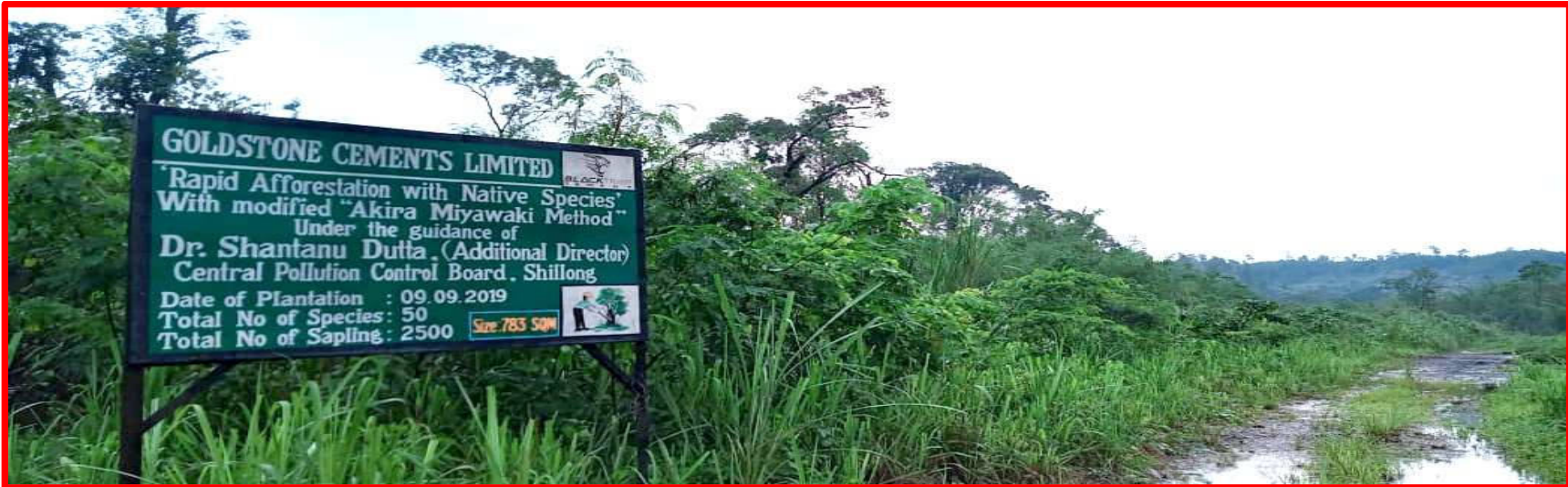
Green Belt Area (Magazine Area): 11131.5 SQM



**Green Belt Area (Weigh Bridge to CPP East Side):
4632 SQM**



**Green Belt Area (HSD Pump & Sr. Guest House East
Side): 25148 SQM**



Green Belt Area (CSP West Side Near Stream Water Reservoir): 783 SQM



Green Belt Area (Labour Colony West Side- Stream Side): 6579 SQM

Annexure-6

Goldstone Cements Limited

Musiang Lamare (Old), East Jaintia Hills, Khliehriat, Meghalaya-793200

As on 31.03.2023				
CSR Plan				
Sl.	Particulars	Clinker Kiln (MTPA)	Cement Grinding (MTPA)	Captive Power Plant (MW)
1	EC Approved Capacity	1.65	2.54	40
2	Present Installed Capacity	0.56	0.88	10
3	Percentage of Capacity Installed against EC Approved Capacity	33.9%	34.6%	25.0%
4	Total Cost of the project as per EC with full capacity (Rs. In Crores)	565.00		
5	Proportionate Cost of the project for installed capacity at 34% (Rs. In Crores)	192.10		
6	Amount required to be earmarked towards CSR @ 5% as per specific condition xvi (Rs. in Crs.)	9.61		
7	Amount already spent as per annexure attached (Rs. In Crs.)	3.92		
8	Balance amount to be spent and year wise plan as per annexure attached (Rs. In Crs.)	5.69		

Goldstone Cements Limited
Musiang Lamare (Old), East Jaintia Hills, Khliehriat, Meghalaya-793200

CSR Annexure	(Rs. In Lacs)						
	Yearly Activity Wise Amount Spent						
	As on 31.03.2023						
Area of CSR Activities	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	Total
Health & Sanitation	0.00	0.00	0.15	9.93	0.00	10.24	20.33
Education	0.14	0.50	1.15	0.84	1.14	4.90	8.68
Emergency Relief	0.00	0.00	11.11	0.00	0.00	3.35	14.47
Rural development	3.60	10.95	11.51	7.19	6.79	3.66	43.70
Community Development	2.23	0.00	0.00	0.00	40.25	10.75	53.23
Rural Housing	12.48	50.20	32.40	36.45	61.79	58.92	252.25
Total	18.45	61.65	56.33	54.42	109.97	91.83	392.66
	Yearly Plan for CSR Budget						
	2023-24	2024-25	2025-26	2026-27			Total
Health & Sanitation	12.50	15.00	17.50	20.00			65.00
Education	15.00	15.00	15.00	20.00			65.00
Emergency Relief	15.00	15.00	17.50	17.50			65.00
Rural development	17.50	17.50	20.00	25.00			80.00
Community Development	5.00	7.50	7.50	10.00			30.00
Rural Housing	55.00	60.00	65.00	75.00			255.00
Total	120.00	130.00	142.50	167.50			560.00

Annexure – 7

Occupational Health Surveillance

ANNUAL HEALTH CHECKUP REPORT SUMMARY

GOLDSTONE CEMENTS LIMITED (BLACK TIGER CEMENT)

Sl No	Name	Age	Sex	BP (mm/hg)	Pulse (Per minute)	Height (cm)	Weight (Kg)	BMI (kg/m ²)	PFT	Eye Examination	Audiometry	X-Ray	Sputum	Medical Examination	Recommendation
1	Swapan Kumar Mazumdar	56	M	138/93	81	153	55	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
2	Alok Nath	35	M	104/72	73	168	53	20.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
3	Ranjit Singha	29	M	138/83	103	163	64	24.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
4	Nazrul Islam	30	M	139/74	103	163	67	25.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
5	Sanjoy Das	22	M	119/73	94	1620	45	17.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
6	Ram Bahadur Lama	55	M	117/77	81	158	52	20.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
7	Satya Brata Sahoo	42	M	125/88	78	167	84	30.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
8	Nirakar Nayak	42	M	157/102	94	145	52	24.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



9	Azad Uddin	36	M	143/74	66	159	58	22.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
10	Ashutosh Tiwary	21	M	130/82	73	166	48	17.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
11	Ahad Hussain Laskar	26	M	124/92	98	153	53	22.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
12	Robijul Haque Laskar	25	M	130/70	95	160	60	23.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
13	Angshuman Dutta	49	M	125/84	94	177	106	33.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
14	Debaprasad Sahoo	36	M	123/74	80	163	77	29	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
15	Prakash Kumar Swain	33	M	122/75	77	161	64	24.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
16	Ruhul Alam Choudhury	36	M	113/71	92	154	58	21.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
17	Uttam Das	41	M	135/74	95	157	59	23.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
18	Rahim Uddin	36	M	131/79	97	164	60	21.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
19	Parasuram Yadav	38	M	138/81	85	166	64	23.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



20	Samanta Goala	26	M	173/91	104	178	72	22.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
21	Kaushal Pandit	34	M	129/73	92	169	64	22.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
22	Pradip Singha	34	M	142/92	73	168	63	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
23	Rampada Patra	32	M	141/78	54	165	73	26.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
24	Gautam Paul	35	M	118/80	75	174	79	26.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
25	Rupson Ingti	31	M	147/80	90	170	59	20.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
26	Naba Kumar Biswas	49	M	160/102	91	162	68	25.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
27	Mitan Malakar	33	M	170/106	77	164	60	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
28	Parameshwar Kushuwaha	36	M	156/113	83	165	76	27.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
29	Salim Uddin Laskar	39	M	146/99	78	171	78	26.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
30	Saikat Paul	20	M	136/72	68	161	61	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



31	Chitranjan Kumar	35	M	124/78	79	164	56	20.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
32	Birajananda Singha Choudh	34	M	126/86	121	169	58	20.33	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
33	Hannan Uddin Sekh	23	M	122/99	85	166	56	20.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
34	Sanjoy Das	29	M	117/72	74	159	46	16.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
35	Dipak Singha	37	M	130/89	102	168	67	25.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
36	Parimal Nath	32	M	122/78	69	168	63	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
37	Partha Chandra Nath	43	M	146/85	108	168	63.8	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
38	Sailendra Dubey	43	M	132/78	77	162	70	24.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
39	Raju Roy	42	M	138/89	87	156	54	22.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
40	Abhijit Paul	34	M	133/74	67	174	88	29.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
41	Abhijit Paul	29	M	129/75	69	182	64	19.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



42	Pritam Adak	26	M	110/72	88	176	61	21.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
43	Rajeev Kumar Patwari	51	M	160/100	91	157	70	28.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
44	Anna Reddappa Sridhar	56	M	170/100	94	166	103	37.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
45	Rashid Ahmed	43	M	125/75	72	165	53	19.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
46	Nazmul Hussain	30	M	130/85	73	167	63	22.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
47	Ranjan Kumar Roy	30	M	117/67	66	164	63	23.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
48	Saurav Das	25	M	144/76	83	170	53	18.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
49	Raju Sinha	36	M	170/100	112	157	67	27.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
50	Samsul Hoque Laskar	22	M	124/70	89	165	52	19.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
51	Zamir Ali	48	M	129/86	116	160	69	27	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
52	Lakshmi Kanta Biswal	27	M	140/90	88	181	95	29.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



53	Y.D. Prasant	43	M	121/70	82	170	72	24.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
54	Surajit Deb	35	M	170/110	76	181	90	27.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
55	Uttam Senapati	54	M	143/92	83	169	85	29.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
56	Deepak Kushwaha	34	M	130/75	88	166	76	27.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
57	Nazrul Islam	43	M	140/89	94	163	75	28.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
58	Krishna Gopal Sinha	32	M	119/73	71	157	58	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
59	Sojen Barman	33	M	133/75	83	166	76	27.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
60	Abhinav Bharti	34	M	130/79	118	167	70	25.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
61	Jakir Hussain	52	M	136/86	88	159	66	28.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
62	Subrata Das	35	M	156/92	78	157	62	25.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
63	Mangal Sinha	30	M	121/80	87	156	46	18.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



64	Prasenjit Barman	31	M	158/87	87	161	68	26.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
65	Muzibur Rahman Laskar	28	M	110/66	67	161	56	21.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
66	Atal Pratap Singh	37	M	129/85	85	159	75	29.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
67	Amit Das	37	M	120/87	71	162	64	24.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
68	Tapan Phukan	47	M	137/84	77	153	60	25.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
69	Chandra Kumar Singha	48	M	145/90	85	170	66	22.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
70	Kutub Uddin Laskar	28	M	120/83	79	164	76	28.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
71	H Nila Chandra Singha	33	M	151/90	93	165	64	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
72	Hussain Ahmed	43	M	124/73	69	154	55	23.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	
73	Hirendra Sarkar	32	M	131/84	87	167	69	24.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
74	Susanta Sinha	34	M	149/95	86	165	73	26.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given



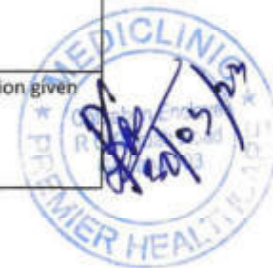
75	Dilip Nuniya	27	M	146/87	88	161	65	25.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
76	Rajan Raha	25	M	104/70	81	171	54	18.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
77	Mannan Dev	24	M	147/91	127	157	57	23.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
78	Biswajit Chakraborty	31	M	121/67	76	166	61	22.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
79	Prasanjit Shill	31	M	118/77	64	164	58	21.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
80	Akbar Hussain Mazumdar	30	M	130/75	84	168	69	24.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
81	Sonto Bahadur Lama	26	M	119/78	76	163	51	19.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
82	Saurab Sinha	28	M	128/81	78	163	55	20.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	
83	Arun Roy	45	M	160/92	73	154	57	24	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
84	Pulak Nath	23	M	127/77	76	167	57	20.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
85	Ashim Das	25	M	105/70	91	160	44	17.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



86	Rakesh Sinha	35	M	114/74	61	170	67	23.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
87	Ahad Uddin	48	M	140/84	84	167	48	30.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
88	Nina Bordoloi	22	M	122/74	67	162	56	21.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
89	Jitu Dalu	19	M	123/74	70	159	55	21.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
90	Prabal Sinha	38	M	154/84	91	166	71	25.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
91	Nikhil Chand Pathak	24	M	120/80	92	173	66	22.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
92	Bijoy Boro	38	M	174/119	98	162	73	27.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
93	Tek Bahadur Giri	25	M	156/96	120	171	70	23.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	
94	Naihab Basumatary	28	M	137/71	81	174	62	20.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
95	Dharani Bejbaruah	55	M	130/80	83	167	65	23.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
96	Ashok Kumar Kunti	64	M	140/86	85	164	67	24.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



97	Mohan Rai	34	M	140/100	94	161	62	23.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
98	Jabir Hussain Barbhuiya	37	M	100/68	92	159	51	20.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
99	Ranjan Bora	28	M	120/85	100	168	64	22.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
100	Binu Sonar	35	F	110/89	90	152	57	24.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
101	Abhisek Pathok	50	M	133/82	83	166	53	19.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
102	Pradip Kumar Hajong	40	M	128/80	76	162	67	25.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
103	Tultul Kalita	42	M	149/87	102	167	74	26.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
104	Vijay Tripathi	43	M	150/90	95	171	76	26	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
105	Manish Kumar	33	M	160/95	122	169	77	27	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
106	Ravishankar Kumar Singh	39	M	167/109	107	168	86	30.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
107	Ravindra das	48	M	160/80	80	164	78	29	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given



108	Gaurab Chandra Chakraborty	30	M	111/61	109	158	46	18.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
109	Pankaj Mallik	26	M	138/78	82	156	48	19.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	
110	Gajraj Singh	51	M	115/72	75	167	75	26.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	
111	Prasanta Das	30	M	150/101	116	172	81	27.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
112	Sudhansu Kumar Singh	54	M	167/99	101	168	89	31.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
113	Saptasree Ranjan Paul	32	M	116/69	98	160	60	23.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
114	Ashrafur Rahman	36	M	123/89	90	164	70	26	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
115	Rajesh Kumar Roy	44	M	130/78	76	166	64	23.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
116	Rasamoy Namasudra	37	M	116/76	90	155	48	20	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
117	L Sushanta Singha	43	M	100/60	94	166	60	21.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
118	Alok Kumar Arya	53	M	125/74	99	174	78	25.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



119	Govinda Namasudra	32	M	132/72	70	169	75	26.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
120	Abhishek Sharma	39	M	132/89	87	166	81	29.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
121	Dilwar Hussain	29	M	116/70	71	168	59	20.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
122	Birkhar Brahma	22	M	139/83	87	170	60	20.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
123	Anup Kanoo	26	M	90/52	84	162	47	17.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
124	Rahul Singh	25	M	122/77	78	170	70	24.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
125	Arpit Singh	22	M	130/75	70	174	87	28.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
126	Ajoy Kumar	34	M	160/94	86	167	81	29	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
127	Umakanta Kohar	33	M	125/81	72	168	58	20.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
128	Benu Das	30	M	92/57	73	174	64	21.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
129	Prince Kumar	25	M	118/83	87	179	86	26.58	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



130	Mitralal upadhyay	32	M	116/67	70	170	70	24.22	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
131	Saiful Islam	25	M	133/70	72	163	64	24.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
132	Narendra Kumar Singh	34	M	120/77	70	176	87	28.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
133	Vinay Kumar Singh	31	M	105/68	82	170	70	24.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
134	Masdio Rymbai	26	M	170/100	77	167	70	25.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
135	Sanroi Sympli	24	F	97/60	88	158	71	28.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
136	Kenipaya Nongtdu	22	F	97/68	96	148	43	19.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
137	Monojit Das	28	M	104/65	65	159	57	22.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
138	Gautam Singha	40	M	158/68	88	170	83	28.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
139	Soneshwar Narzary	26	M	122/72	97	177	71	22.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
140	Mahesh Rabha	36	M	138/86	78	159	71	28.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



141	Biju Prasad Dutta	36	M	123/79	76	164	72	25.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
142	Abhay Pratap Singh	25	M	143/88	76	171	66	22.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
143	Ritesh Verma	27	M	135/82	92	167	90	32.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
144	Ruhul Alom	28	M	117/75	75	160	49	19.14	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
145	Krishna Murai	50	M	155/96	81	169	67	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
146	Biswa Taye	38	M	117/85	85	160	64	25	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
147	Prateek Singh Parihar	25	M	117/73	79	154	65	27.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
148	Sanjoy Moni Singha	37	M	157/105	83	175	75	24.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
149	Jitendra Singha	26	M	112/78	74	160	59	23	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
150	Sudip kumar Deb	36	M	139/77	82	170	76	26.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
151	Bimal Das	38	M	218/123	81	167	53	19	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given



152	Gourango Datta	34	M	145/95	89	163	69	26	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
153	Ripan Deb	29	M	119/70	104	170	57	19.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
154	Pramod Kumar Pandit	46	M	175/111	112	167	70	25.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
155	Rajib Raha	33	M	113/76	71	173	51	17	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
156	Malay Kumar Ghosh	69	M	106/99	99	180	86	26.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
157	Anindya Banarzy	30	M	139/98	71	185	74	21.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
158	Sujit Sinha	31	M	118/66	78	170	70	24.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
159	Swapan Kunar	34	M	126/79	83	154	48	20.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
160	Maglem Singha	47	M	129/92	98	165	54	19.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
161	Suresh Lakra	36	M	120/77	82	172	54	18.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
162	Soumen Mahali	23	M	123/56	63	159	53	21	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



163	Subrata Kumar Choudhury	55	M	137/65	101	169	84	29.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
164	Dr Rajat Paul	45	M	129/83	94	162	72	27.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
165	Manoranjan Ghorai	38	M	135/83	82	169	74	25.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
166	Rakesh Kumar singha	51	M	170/100	110	173	95	31.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
167	Ram Chandra Bharadwaj	52	M	135/94	99	165	76	27.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
168	Jishu Dutta	40	M	144/99	72	159	61	24.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
169	Subal Sinha	43	M	144/89	80	163	69	26	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
170	Charis Devraj Das	25	M	145/94	121	175	98	32	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
171	Fazal Hoque	38	M	134/84	78	158	61	24.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
172	Rajib Borah	23	M	138/76	97	154	49	20.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
173	Soumitra Sinha	24	M	116/68	89	160	66	25.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



174	Ukesh Yadav	27	M	135/81	82	162	82	31.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
175	Jiban Uddin Barbhuya	23	M	126/66	67	169	70	24.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
176	Punit Kumar Yadav	28	M	113/67	77	170	60	20.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
177	Ashish Kumar Swain	23	M	142/79	83	182	78	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
178	Supak Roy	21	M	116/62	78	163	52	19.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
179	Atiqure Rahman Raj Barbhu	29	M	120/83	77	158	58	23.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
180	Rajibul Khan	23	M	130/74	76	159	55	21.58	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
181	Hari Das Sinha	27	M	117/81	108	164	58	21.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
182	Sabinay Roy	19	M	109/75	76	171	54	18.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
183	Sudheer Kumar	25	M	120/67	82	167	52	18.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
184	Abhay Kumar	31	M	123/90	110	175	78	25.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



185	Prodyut Kumar Roy	54	M	160/96	83	177	79	25.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
186	Pritam Jyoti Buragohain	28	M	138/95	89	177	82	26.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
187	Subrata Dey	44	M	146/91	83	172	73	24.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
188	Waish Uddin Mazumdar	33	M	121/78	78	161	58	22.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
189	M Monglem Meitei	36	M	169/116	76	163	71	26.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
190	Aranya Dalu	51	M	105/53	69	151	43	18.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
191	Jayanta Dalu	29	M	123/75	7	169	79	27.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
192	Nabajyoti Koch	30	M	138/88	84	161	63	24.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
193	Midul Laskar	29	M	124/77	74	156	57	23.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
194	Sajan Kanti Das	31	M	123/62	67	174	78	25.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
195	Gitangshu Das	46	M	139/89	66	167	65	23.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



196	Sashikant Sharma	28	M	112/72	83	163	71	26.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
197	Ruhit Roy	22	M	121/79	81	168	74	26.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
198	Shankar Roy	26	M	119/82	83	162	58	22.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
199	Ningombam Chinglemba M	28	M	131/85	76	158	52	20	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
200	Anam Uddin Laskar	36	M	129/85	97	163	63	23.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
201	Nasir Ahmed Choudhury	31	M	120/84	85	160	68	26.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
202	Arup Rajbongshi	50	M	172/100	60	171	70	23.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
203	Sunil N Patra	51	M	146/86	70	162	74	28.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
204	Rajkumar Mondal	32	M	109/68	68	166	53	19.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
205	Sukh Dev Mahali	24	M	129/88	70	155	59	24.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
206	L N Baumatary	24	M	117/93	74	166	65	23.36	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



207	Sujit Mazumdar	36	M	124/83	79	147	54	25	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
208	Nirupam Nath	25	M	107/69	89	153	50	21.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
209	Maniram Basumatary	24	M	118/92	82	178	60	18.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
210	Atul Chandra Mahanti	35	M	117/83	86	162	68	25.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
211	A Manikanta Singha	38	M	114/73	73	162	54	20.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
212	Mahal Kumar Rabi Das	35	M	138/75	103	166	90	32.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
213	Manuj Kumar Roy	41	M	133/77	83	163	68	25.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
214	Firdus Alom Barbhuya	39	M	98/56	63	156	52	21.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
215	Monu Das	33	M	140/88	85	160	54	21.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
216	Ranjit Das	25	M	121/76	84	150	56	24.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
217	Rajesh Kumar Singh	28	M	108/60	86	170	81	28	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



218	Kamal Barman	34	M	115/81	93	165	76	27.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
219	Prosenjit Nayek	35	M	159/97	85	171	68	23.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
220	Abdul Kayum	33	M	145/83	107	166	74	26.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
221	Sundar Shbar Murmu	48	M	160/105	70	166	67	24.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
222	Shanku Kumar Das	45	M	160/100	71	160	63	24.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
223	Binod Bhor	27	M	119/69	87	154	53	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
224	Richart Sinha	33	M	128/81	76	167	73	26.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
225	Sanjoy Yadav	30	M	122/77	80	157	62	25.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
226	Jabir Hussain Laskar	31	M	105/68	82	166	64	23.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
227	Firuj Uddin Talukdar	28	M	122/60	97	163	64	24.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
228	Bijoy Das	33	M	107/66	72	164	49	18.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



229	M Keirungba Singha	33	M	125/64	99	169	60	21	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
230	Surajit Dey	30	M	128/85	95	161	69	26.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
231	Dipumoni Borah	27	M	140/90	98	157	71	28.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
232	Arjun Kumar Paswan	31	M	125/78	98	161	62	23.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
233	Rubul Saikia	27	M	140/80	89	167	80	28.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
234	Swarup Narzary	40	M	138/85	73	170	75	26	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
235	T Gourav Singha	21	M	121/86	80	166	74	26.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
236	K Sagar Singha	20	M	121/83	85	171	54	18.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
237	Sangit Mishra	41	M	121/83	85	167	73	26.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
238	Kishor Kakati	47	M	145/75	69	162	71	27.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
239	Konjit Kemprai	33	M	133/67	66	165	73	26.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



240	Manoj Kumar Borah	43	M	124/86	62	163	77	29	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
241	Apurba Tahkuria	45	M	127/81	79	171	73	25	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
242	Rajib Borah	32	M	122/76	79	173	73	24.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
243	Surojit Singha	32	M	160/86	74	167	67	24	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
244	Bishal Dutta Choudhury	28	M	124/75	65	174	68	22.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
245	Kanu Chettry	22	M	103/65	65	161	50	19.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
246	Anil Likson	32	M	155/73	67	174	75	24.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
247	Nilutpal Kurmi	38	M	118/76	102	155	53	22.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
248	Surajeet Dey	38	M	121/66	67	165	64	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
249	Ajit Das	26	M	120/76	81	162	50	19.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
250	Sumit Roy	19	M	132/64	81	160	47	18.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



251	Faruk Ahmed Laskar	23	M	115/70	72	157	53	21.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
252	Panna Deb	19	M	112/65	86	153	42	17.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
253	Nikhu Acharjee	36	M	131/68	78	173	71	23.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
254	Ramu Dagar Tanti	51	M	102/68	95	165	76	27.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
255	Gautam Paul	37	M	126/74	89	164	77	28.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
256	Joybrata Das	30	M	123/79	86	158	71	28.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
257	Agrojyoti Dutta	24	M	118/78	98	159	47	18.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
258	Nantu Suklabaidya	26	M	Nov-82	95	171	60	20.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
259	Ashim Roy	37	M	140/95	105	163	72	27.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
260	Liton Roy	30	M	118/77	73	165	67	24.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
261	H Nagendra Saingha	30	M	143/78	95	167	79	28.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



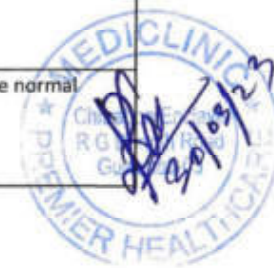
262	Pallabjyoti Gogoi	30	M	128/92	85	166	56	20.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
263	Hussain Ahmed Laskar	33	M	112/77	81	156	62	25.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
264	Suman Das	28	M	131/70	92	157	64	26	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
265	Rafiqul Sikdar	35	M	110/77	73	165	69	25.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
266	Shibu Deb	28	M	119/77	63	171	64	21.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
267	Bijit Borah	23	M	124/66	93	162	44	16.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
268	Sumit Roy	19	M	113/72	85	159	51	20.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
269	Amidhar Narzary	41	M	155/102	94	163	73	27.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
270	Biprajit Dey	26	M	123/77	79	167	84	30.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
271	Kripesh Dhar	29	M	105/71	96	164	46	17.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
272	Bikash Adhikary	32	M	164/91	104	165	64	23.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



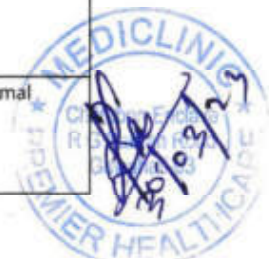
273	Ajeet Kumar	28	M	134/78	91	161	71	27.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
274	Om Prakash Mishra	35	M	107/59	95	166	65	23.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
275	Sujoy Bhattacharjee	30	M	111/72	77	170	48	16.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
276	Ratanjit Rudrapaul	46	M	111/77	91	158	56	22.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
277	Pradip Chakrabarty	44	M	107/59	86	156	78	32.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
278	Mafij Uddin	27	M	107/70	88	164	52	19.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
279	Indrajeet Das	41	M	134/84	86	165	78	28.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
280	Jeherul Islam	30	M	120/71	80	163	52	19.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
281	Ashim Malakar	33	M	137/90	100	151	81	26.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
282	Malay Das	39	M	155/84	99	160	86	33.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
283	Sanjit Hajong	31	M	155/84	99	160	86	33.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given



284	Hargobinda Dalu	26	M	127/74	70	168	63	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
285	Biren Singha	41	M	129/90	125	160	63	24.6	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
286	Ranbindra Nath Barai	69	M	130/71	101	160	70	27.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
287	Nabajyoti Hazarika	23	M	131/73	93	167	59	21.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
288	Saty Vir Prasad Gupta	67	M	163/96	72	164	79	29.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
289	Gajendra Kumar sen	52	M	146/88	119	167	104	37.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
290	Prajjal Protim Pando	27	M	148/94	114	167	89	31.9	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
291	Ratan Agarwal	54	M	140/90	110	165	72	26.4	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
292	Raj Kamal Jha	28	M	133/83	96	174	66	21.8	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
293	Ashutosh Dubey	28	M	109/67	95	177	70	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
294	Jayanta Singh	32	M	137/97	108	164	84	31.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



295	Narayan Kakati	56	M	176/92	93	163	51	19.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
296	Ram Pravash Dubey	42	M	133/92	89	161	66	25.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
297	Pintu Das	32	M	122/90	86	159	56	22.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
298	Sudhangshu Das	36	M	130/90	90	164	66	24.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
299	Sandip Mallick	42	M	123/90	99	173	95	31.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
300	Ankit Kumar	20	M	120/80	72	163	75	28.2	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
301	Shiv Nandan Sharma	30	M	125/80	74	164	62	23.1	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
302	Shymal Esh	52	M	129/80	80	154	53	22.3	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
303	Biswajit Das	26	M	120/80	76	171	54	18.5	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
304	Shivaji Das	40	M	125/85	78	164	69	25.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	Prescription given
305	Ritesh kumar Singh	24	M	120/80	86	167	69	24.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal



306	Pankaj Baroi	25	M	120/86	70	169	72	26.7	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal
307	Jafar Ali	29	M	115/70	90	156	56	23	Normal	Normal	Normal hearing sensitivity	Radiological features are essentially within normal limits	Normal	No Health complaints	All are normal





Chitrabon Enclave, Near Commerce College, Opposite Nexa, Zoo Road, Guwahati. Tel: 7099044022

SI No: 47

Date: 22/02/23

Name: RANJAN KUMAR ROY

Age / Gender: 30Y/M

MEDICAL EXAMINATION REPORT

Blood Pressure: 117/67 mmHg.

Height: 164 cm.

Pulse: 66/min.

Weight: 63 kg

RBS:

BMI: 23.4

*- No chief
complaints*

Reg. No : 26632

Dr. Jyotish Verma, MBBS
General Physician

Jyotish Verma
22/2/23

Signature and Seal of Registered Medical Practitioner

Chitrabon Enclave, Near Commerce College, Opposite Nexa, Zoo Road, Guwahati, Tel: 7099044022

Sl No: 48

Date: 22/02/2022

Name: KANJAN ANANDA ROY

Age / Gender: 20.7 / M

EYE EXAMINATION REPORT

Vision Test:

	Near	Distance	Color
Right	N6	6/6	Normal
Left	N6	6/6	Normal

Vision Correction Advice:

Right Eye						Left Eye				
	SPH	CYL	AXIS	PRISM	V/A	SPH	CYL	AXIS	PRISM	VA
Distance										
Near										
Type	Bifocal / Progressive / Single Vision / Plano					Bifocal / Progressive / Single Vision / Plano				

Kuldip Mazumdar
Consultant Optician





MEDICAL FITNESS CERTIFICATE

It is certified that Shri/Smt/Miss

.....PANTAN KOMAR ROY.....

Employed with **Goldstone Cements Limited**, has been examined* by me on

.....22/02/23.....

Based on the medical examination conducted, he/she is found free from any infectious or communicable diseases and the person is fit to work in the above mentioned establishment.

* Further advice / Recommendation:

1.Prescription given.....
2.via P.V. Ser.....
3.
4.
5.

Reg. No : 26632

Dr. Jyotish Verma, MBBS
General Physician

22/2/23

Signature & Seal of Registered Medical Practitioner

Chitrabon Enclave, Near Commerce College, Opposite Nexa, Zoo Road, Guwahati. Tel: 7099044022

SI No: 47

Date: 22/02/2023

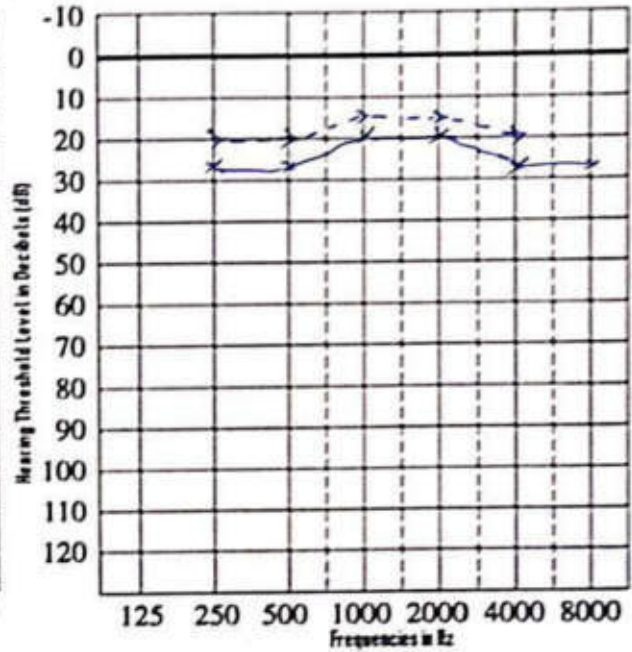
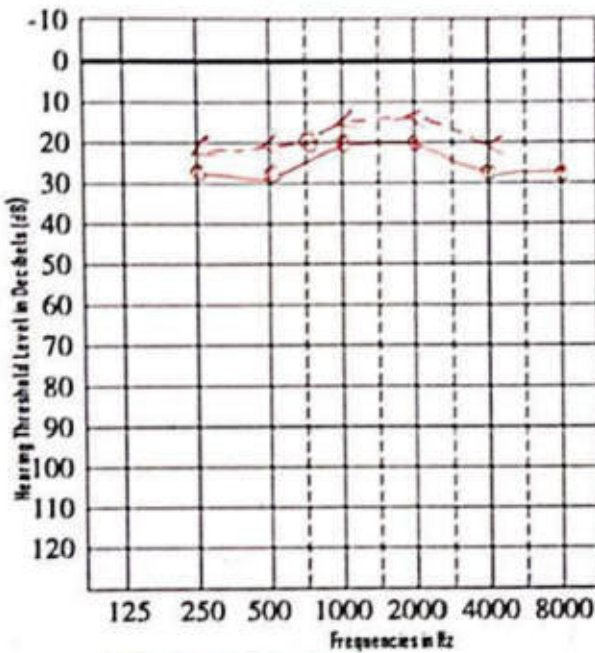
Name: RANJAN KUMAR ROY

Age / Gender: 30Y / M

AUDIOGRAM

RIGHT EAR

LEFT EAR



Audiogram Key

	AC Unmasked	AC Masked	BC Unmasked	BC Masked	No Response	Sound Field	Aided
Right Ear	O	△	<		↗	S	A
Left Ear	X	□	>		↘	S	A

SPEECH AUDIOMETRY

	SRT	SDS	UCL
Right Ear	dBHL	%	dBHL
Left Ear	dBHL	%	dBHL

TUNING FORK TEST

	Right Ear	Left Ear
WEBER		
RINNE		

IMPRESSION

Both normal by



Signature & Seal

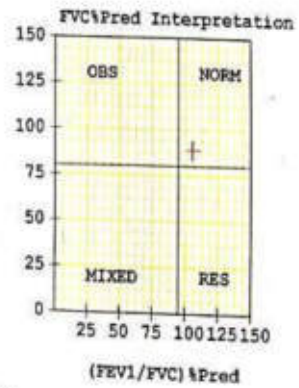
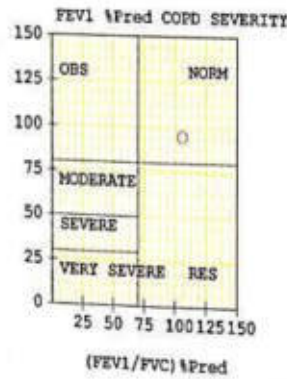
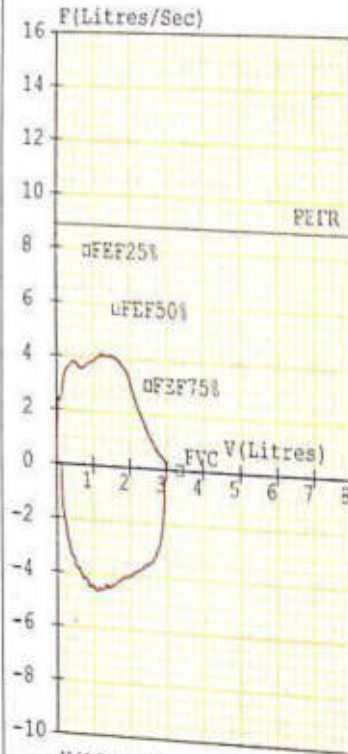
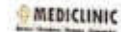
MEDICLINIC, A unit of Premier Healthcare

Chitrabon Enclave, 2nd Floor Opp Nexa Show Room, Zoo Road, Guwahati-03

Patient: RANJAN KR ROY
 Refd. By:
 Pred. Eqns: RECORDERS
 Date : 22-Feb-2023 03:55 PM

Age : 30 Yrs
 Height : 165 Cms
 Weight : 63 Kgs
 ID : BT 47

Gender : Male
 Smoker : Yes
 Eth. Corr: 100
 Temp :



FVC Results

Parameter	Pred	M.Pre	%Pred	M.Post	%Pred	%Imp
FVC (L)	03.34	02.98	089	---	---	---
FEV1 (L)	02.84	02.69	095	---	---	---
FEV1/FVC (%)	85.03	90.27	106	---	---	---
FEF25-75 (L/s)	04.30	03.50	081	---	---	---
PEFR (L/s)	08.84	04.07	046	---	---	---
FIVC (L)	---	02.86	---	---	---	---
FEV.5 (L)	---	01.78	---	---	---	---
FEV3 (L)	03.24	02.98	092	---	---	---
PIFR (L/s)	---	04.60	---	---	---	---
FEF75-85 (L/s)	---	01.55	---	---	---	---
FEF.2-1.2 (L/s)	07.32	03.66	050	---	---	---
FEF 25% (L/s)	07.90	03.57	045	---	---	---
FEF 50% (L/s)	05.79	04.01	069	---	---	---
FEF 75% (L/s)	03.06	02.15	070	---	---	---
FEV.5/FVC (%)	---	59.73	---	---	---	---
FEV3/FVC (%)	97.01	100.00	103	---	---	---
FET (Sec)	---	01.63	---	---	---	---
ExplTime (Sec)	---	00.02	---	---	---	---
Lung Age (Yrs)	030	032	107	---	---	---
FEV6 (L)	03.34	---	---	---	---	---
FIF25% (L/s)	---	03.62	---	---	---	---
FIF50% (L/s)	---	04.14	---	---	---	---
FIF75% (L/s)	---	04.41	---	---	---	---

Pre Test COPD Severity
 Test within normal limits

Pre Medication Report Indicates

Early Small Airway Obstruction as FEF 25-75 %Pred or PEFR %Pred < 70
 Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80



The contents of this report require clinical correlation before any clinical action.

Department of Pathology

UIDD	: 2160323164	OPD ID	: 24270323
Name	: MR. HANJAN KUMAR ROY	Name of Client	: Black Tiger Cement
Age/Sex	: 30 Years / Male	Collection Time	: 10 Mar 2023/5 20 PM
Ref. by Doctor	: Self	Completion Time	: 20 Mar 2023/3 27 PM
Primary Sample	: Sputum		

TEST	RESULTS	NORMAL RANGE
SPUTUM for AFB	Negative	

Method: Ziehl-Neelsen staining and microscopy

Type of sample: Sputum

As per NHCP (National Tuberculosis Control Program) grading for AFB in sputum specimens

No. of bacilli seen/Oil immersion field (100x)	Grading	No. of Oil immersion field (OIF) to be screened
< 10/OIF	1+	20
1-10/OIF	2+	50
10-99/100/OIF	3+	100
1-9/100/OIF	Scanty (Exact number of bacilli)	100
No AFB in 100 OIF	Nil	100

---End of report---


LAB TECHNICIAN

Consultant Pathologist

Page 1 of 1



BREAST IMAGING
Mammography • Biopsy



DIGITAL RADIOLOGY
X Ray • USG • DPG



PATHOLOGY
ECG • HEALTHCHECK

 Premier Healthcare

Chitranon Enclave, Opp. NEXA Showroom, Near Commerce College, Zoo Road, Guwahati-781003
E: guwahatimedicalclinic@gmail.com • M: 70990 44022 / 70990 14433

Report : Radiology

UHD	: 2150323154	OPD ID	: 24215523
Name	: MR. RANJAN KUMAR ROY	Reg. Date/Time	: 10-Mar-2022 15:20 PM
Age/Gender	: 30 Years / Male	Printing Date/Time	: 13-Mar-2022 11:54 PM
Address	:		
Ref. By	: Dr. Self,		

CHEST PA VIEW

Clinical note :
 Health Check up

Findings :

Lung fields do not reveal any active parenchymal lesion.
 Pleural angles are clear and domes of the diaphragm are of normal contour.
 Cardio-thoracic ratio is within normal limits.
 Hilum shadows are normal.
 Bony thorax is intact.
 Soft tissue shadows are normal.

Impression :

RADIOLOGICAL FEATURES ARE ESSENTIALLY WITHIN NORMAL LIMITS.

DR UPASANA SARMA
 MBBS, MD
 Consultant Radiologist



BREAST IMAGING
 Mammography • Biopsy



DR. T. N. SONOMAL
 MBBS, MD
 Consultant Radiologist

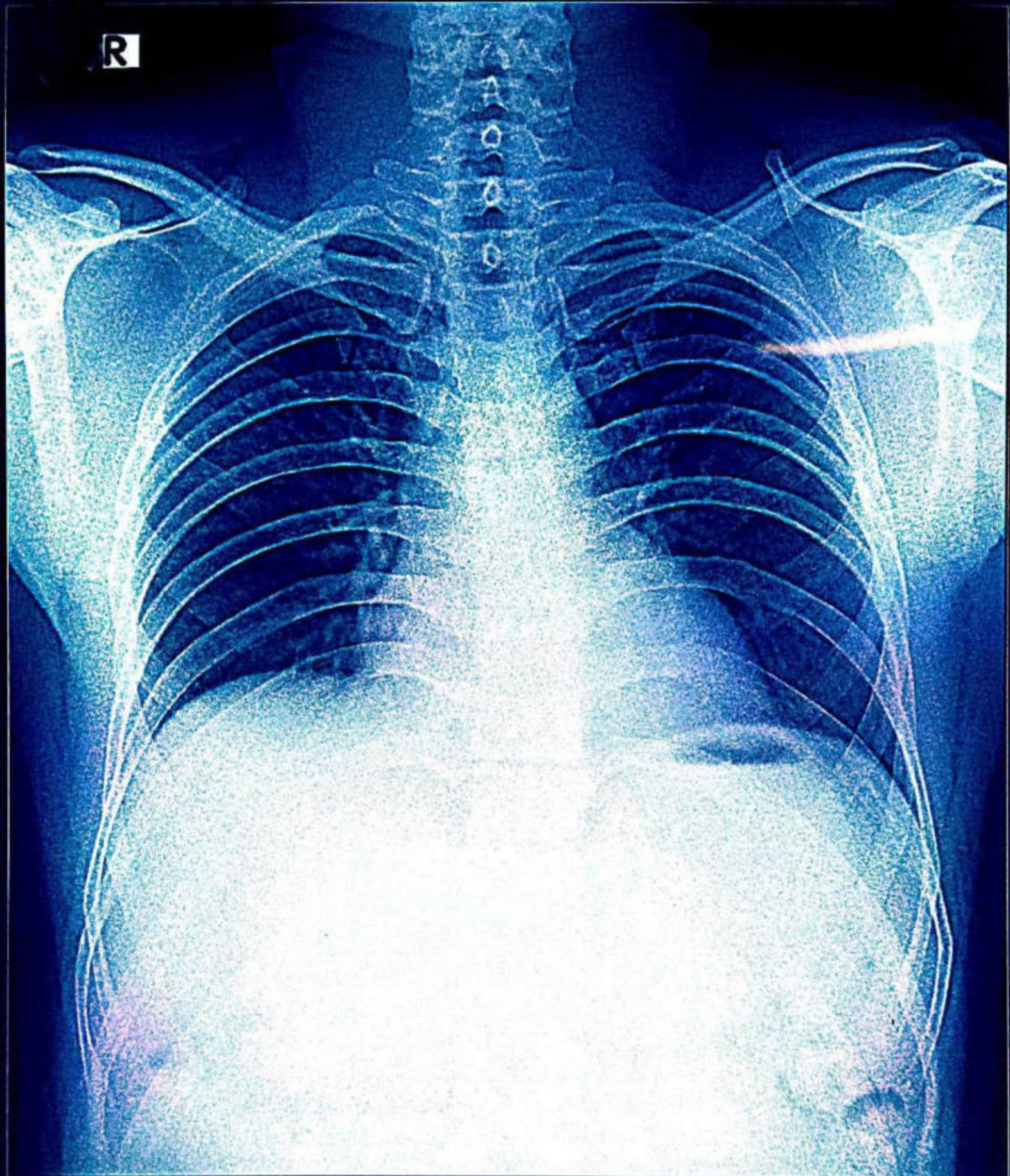
DIGITAL RADIOLOGY
 X Ray • USA • DPA

DR. BHAKTANUS KUMAR BARIJA
 MBBS, DCP(DIP)
 Consultant Pathologist

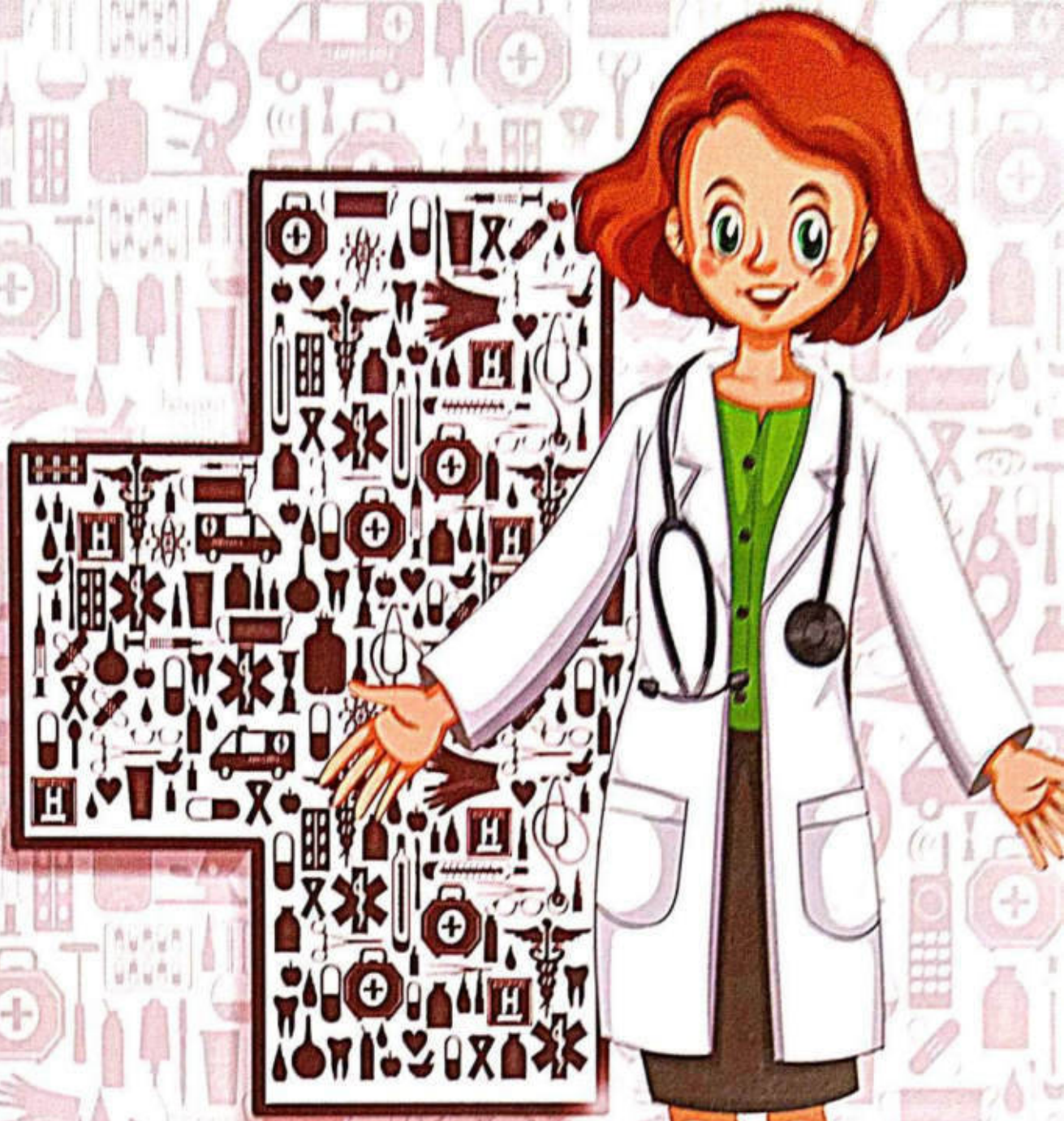


PATHOLOGY
 ECG • HEALTHCHECK

R



RANJAN KUMAR ROY 30 YRS.M BT 47 CHEST PA 2/22/2023
MEDICLINIC-PREMIER HEALTHCARE, GUWAHATI



Name : *AMIT DAS* Age: *27* Gender: *M*

Address: *P.T.*

Registration No: *67* Mobile No:

Doctor's Name:

Premier Healthcare

Pathology | Radiology | Healthcheck

NBS Commercial Building, ABC Bus Stop
GS Road, Guwahati. Tel: 97070 12244



MediClinic

Doctors' Chambers | Daycare | Diagnostics

Chitrabon Enclave, Near Commerce College
Zoo Road, Guwahati. Tel: 70990 44022



Chitrabon Enclave, Near Commerce College, Opposite Nexa, Zoo Road, Guwahati. Tel: 7099044022

SI No: 67

Date: 22/02/2023

Name: AMIT DAS

Age / Gender: 37/M

MEDICAL EXAMINATION REPORT

Blood Pressure: 120/87 mmHg

Pulse: 71/min

RBS:

Height: 162 cm

Weight: 64 kg

BMI: 24.4

*No chief
complaints*

Signature and Seal of Registered Medical Practitioner

Dr. Jyotish Verma, MBBS

General Physician

Reg. No: 25532

Chitrabon Enclave, Near Commerce College, Opposite Nexa, Zoo Road, Guwahati. Tel: 7099044022

SI No: 67

Date: 22/02/2023

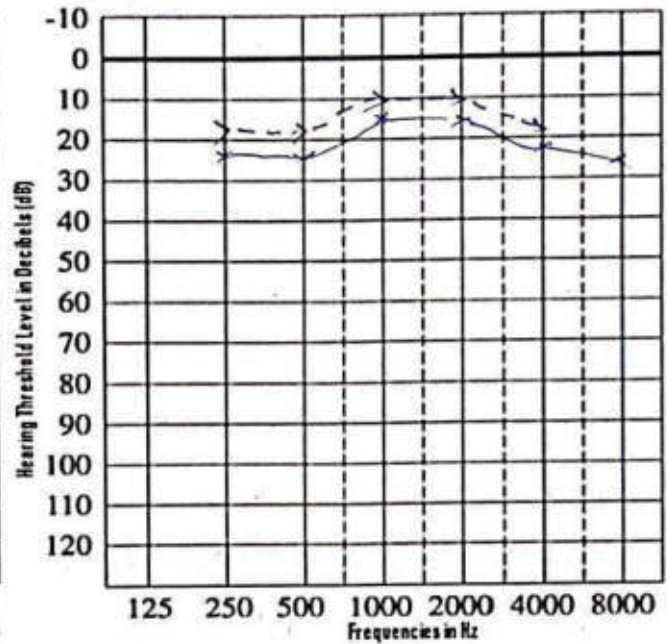
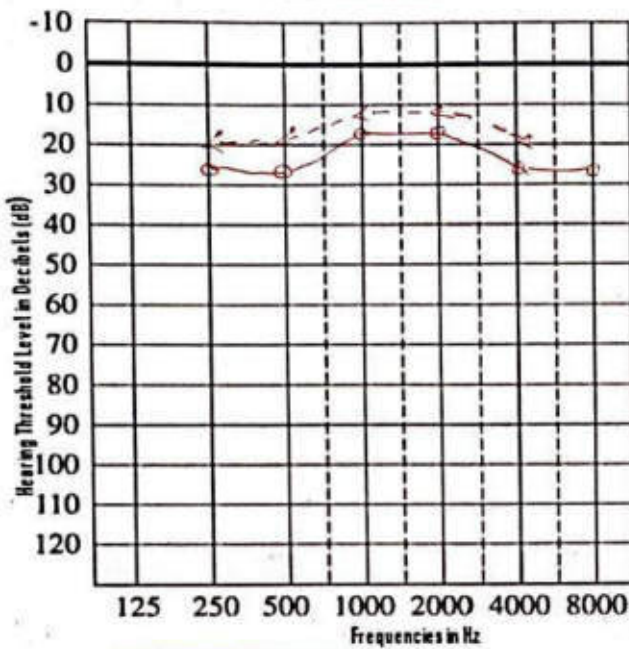
Name: AMIT DAS

Age / Gender: 37/M

AUDIOGRAM

RIGHT EAR

LEFT EAR



Audiogram Key

	AC Unmasked	AC Masked	BC Unmasked	BC Masked	No Response	Sound Field	Aided
Right Ear	O	△	<		↗	S	A
Left Ear	X	□	>		↘	S	A

SPEECH AUDIOMETRY

	SRT	SDS	UCL
Right Ear	dBHL	%	dBHL
Left Ear	dBHL	%	dBHL

TUNING FORK TEST

	Right Ear	Left Ear
WEBER		
RINNE		

IMPRESSION

Bill normal hg

Signature & Seal

MEDICLINIC, A unit of Premier Healthcare

Chitration Enclave, 2nd Floor Opp Heza Show Room, Zoo Road, Gurgaon-03

Patient: AMIT DAB

Age : 37 Yrs

Gender : Male

Refd. By:

Height : 162 Cm

Smoker : Yes

Prod. Equip: RECORDERS

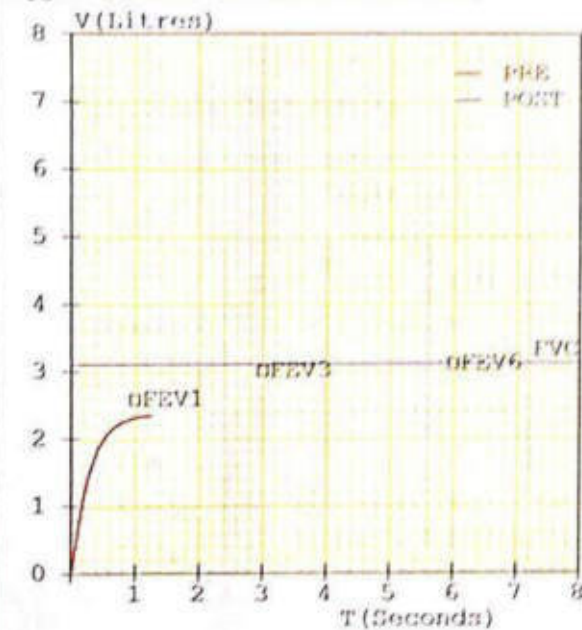
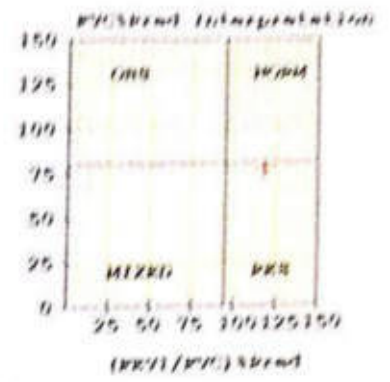
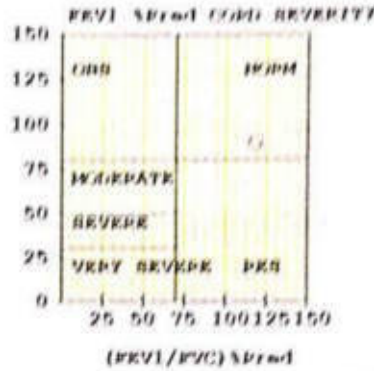
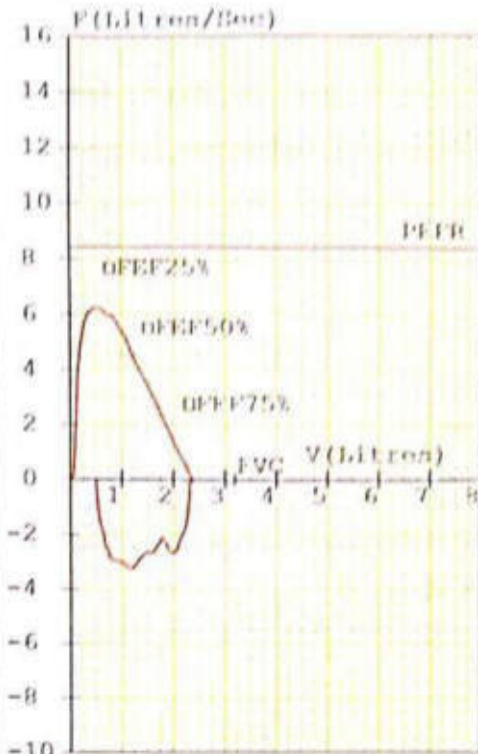
Weight : 64 Kgs

FH. Corr: 100

Date : 22-Feb-2023 05:10 PM

ID : BT 67

Temp : 1



FVC Results						
Parameter	Unit	Pred	M. Pred	%Pred	M. Post	%Post
FVC	(L)	03.09	02.37	077	---	---
FEV1	(L)	02.57	02.32	090	---	---
FEV1/FVC	(%)	83.17	97.89	118	---	---
FEF25-75	(L/s)	03.92	04.16	106	---	---
PEFR	(L/s)	08.39	06.23	074	---	---
FIVC	(L)	---	01.83	---	---	---
FEV.5	(L)	---	02.00	---	---	---
FEV3	(L)	03.00	02.37	079	---	---
PIFR	(L/s)	---	03.23	---	---	---
FEF75-85	(L/s)	---	01.75	---	---	---
FEF.2-1.2	(L/s)	06.69	05.60	084	---	---
FEF 25%	(L/s)	07.66	06.16	080	---	---
FEF 50%	(L/s)	05.50	04.62	084	---	---
FEF 75%	(L/s)	02.73	02.33	085	---	---
FEV.5/FVC	(%)	---	84.39	---	---	---
FEV3/FVC	(%)	97.09	100.00	103	---	---
FET	(Sec)	---	01.47	---	---	---
ExptTime	(Sec)	---	00.08	---	---	---
Lung Age	(Yrs)	037	041	111	---	---
FEV6	(L)	03.09	---	---	---	---
FIF25%	(L/s)	---	00.34	---	---	---
FIF50%	(L/s)	---	02.65	---	---	---
FIF75%	(L/s)	---	02.65	---	---	---

Pre Test COPD Severity
Test within normal limits

Pre Medication Report Indicates
Mild Restriction as (FEV1/FVC)%Pred >95 and FVC%Pred <80



Chitrabon Enclave, Near Commerce College, Opposite Nexa, Zoo Road, Guwahati, Tel: 7099044022

SI No:67.....

Date:22/02/2023.....

Name:AMIT DAS.....

Age / Gender:27/M.....

EYE EXAMINATION REPORT

Vision Test: *ifm.*

	Near	Distance	Color
Right	<i>N6</i>	<i>6/6</i>	<i>Normal</i>
Left	<i>N6</i>	<i>6/6</i>	<i>Normal</i>

Vision Correction Advice:

Right Eye						Left Eye				
	SPH	CYL	AXIS	PRISM	V/A	SPH	CYL	AXIS	PRISM	VA
Distance										
Near										
Type	Bifocal / Progressive / Single Vision / Plano					Bifocal / Progressive / Single Vision / Plano				

[Signature]
22/2/23

Kuldip Mazumdar
Consultant Optometrist



MEDICAL FITNESS CERTIFICATE

Its is certified that Shri/Smt/Miss

.....AMIT PAS.....

Employed with **Goldstone Cements Limited**, has been examined* by me on

.....22/02/2023.....

Based on the medical examination conducted, he/she is found free from any infectious or communicable diseases and the person is fit to work in the above mentioned establishment.

* Further advice / Recommendation:

1.prescription given.....
2.R/v. so......
3.
4.
5.

Signature & Seal of Registered Medical Practitioner

Dr. Jyotish Verma, MBBS
General Physician

Reg. No : 26682

Department of Pathology

UHID	: 2360323154	OPD ID	: 263/0323
Name	: MR. AMIT DAS	Name of Client:	: Black Tiger Cement
Age/Sex	: 37 Years / Male	Collection Time:	: 10-Mar-2023/5:32 PM
Ref. by Doctor	: Self	Completion Time	: 20-Mar-2023/3:32 PM
Primary Sample	: Sputum		

TEST	RESULTS	NORMAL RANGE
SPUTUM for AFB	Negative	

Method: Ziehl Neelsen staining and microscopy

Type of sample: Sputum

As per RNTCP (Revised National Tuberculosis Control Program) grading for AFB in sputum specimens:

No. of bacilli seen/Oil immersion field (100x)	Grading	No. of Oil immersion field (OIF) to be screened
>10/OIF	3+	20
1-10/OIF	2+	50
10-99/100/OIF	1+	100
1-9/100/OIF	Scanty (Exact number of bacilli)	100
No AFB in 100 OIF	Nil	100

----End of report----



LAB TECHNICIAN

Consultant Pathologist

Page 1 of 1




BREAST IMAGING
Mammography ■ Biopsy



DIGITAL RADIOLOGY
X Ray ■ USG ■ OPG



PATHOLOGY
ECG ■ HEALTHCHECK

 Premier Healthcare

Chitrabon Enclave, Opp. NEXA Showroom, Near Commerce College, Zoo Road, Guwahati-781003
E: guwahatimedclinic@gmail.com • M: 70990 44022 / 70990 14433

Report : Radiology

UHID	: 2360323154	OPD ID	: 263/0323
Name	: MR. AMIT DAS	Reg. Date/Time	: 10-Mar-2023/5:32 PM
Age/Gender	: 37 Years / Male	Printing Date/Time	: 14-Mar-2023/3:31 PM
Address	:		
Ref. By	: Dr. Self ,		

CHEST PA VIEW**Clinical note :**

Health Check up.

Findings :

Lung fields do not reveal any active parenchymal lesion.

Pleural angles are clear and domes of the diaphragm are of normal contour.

Cardio-thoracic ratio is within normal limits.

Hilar shadows are normal.

Bony thorax is intact.

Soft tissue shadows are normal.

Impression :

RADIOLOGICAL FEATURES ARE ESSENTIALLY WITHIN NORMAL LIMITS.

DR UPASANA SARMA
MBBS, MDConsultant Radiologist
BREAST IMAGING

Mammography • Biopsy

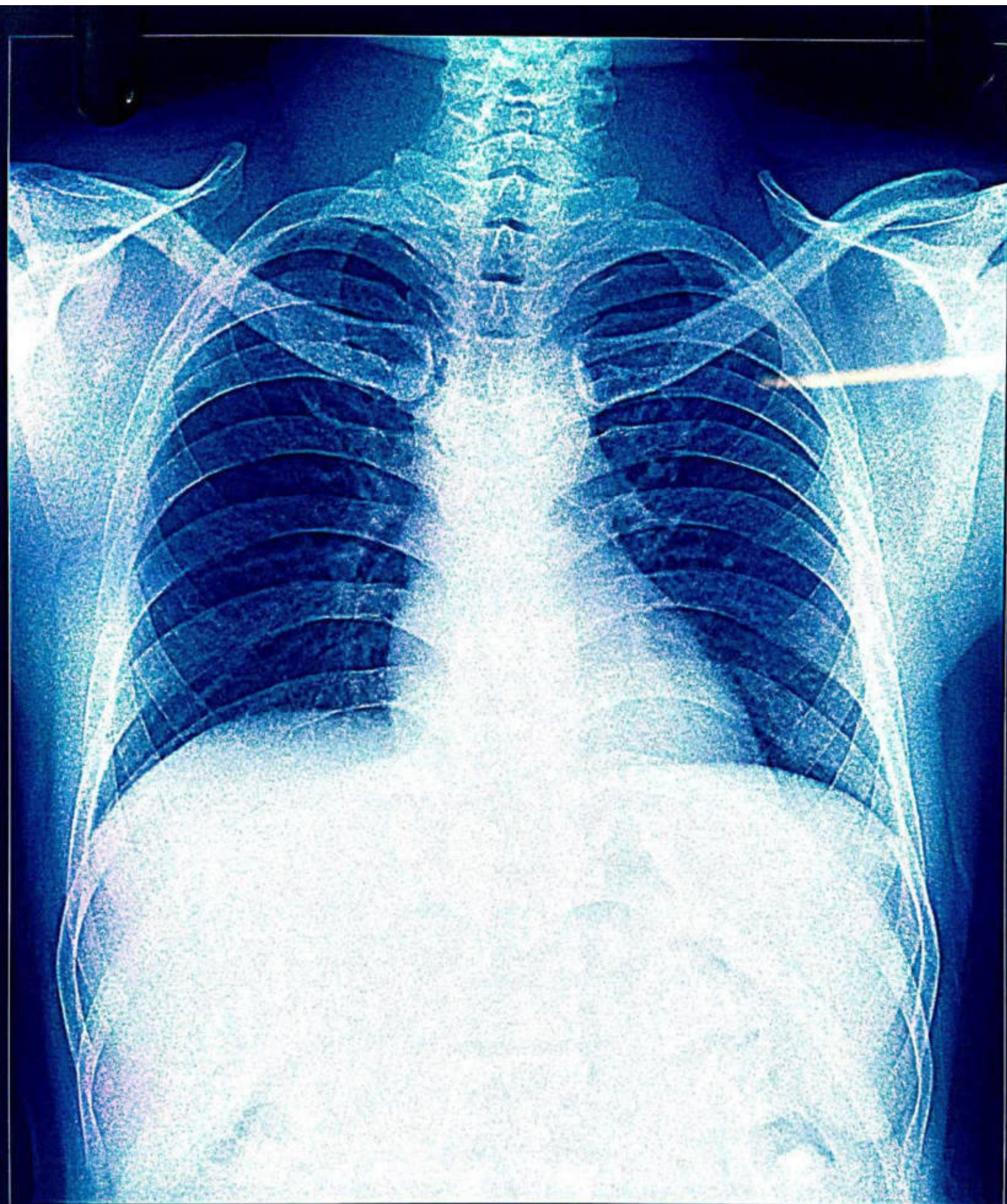
**DR. T. N. SONOWAL**
MBBS, MDConsultant Radiologist
DIGITAL RADIOLOGY

X Ray • USG • DFG

**DR. SHANTANU KUMAR BARUA**
MBBS, DMRD(Dib)Consultant Radiologist
PATHOLOGY

ECG • HEALTHCHECK





AMIT DAS 37 YRS.M BT 67 CHEST PA 2/22/2023
MEDICLINIC-PREMIER HEALTHCARE, GUWAHATI

Annexure –8

Rainwater

Harvesting &

Ground water

recharge system



Rooftop rainwater collection and harvesting system at CPP water reservoir



Rooftop rainwater collection and harvesting system at CPP water reservoir



Rooftop rainwater collection and ground recharge system at CPP



Rainwater collection and ground recharge system at Guest House (Brahmaputra Sadan)

Annexure – 9

Environmental Parameters Display

Environmental Parameters Display Board

ENVIRONMENTAL DATA INFORMATION RELATED TO AIR, WATER AND HW GENERATION

BLACK TIGER
CEMENT

1. Name of the Industry/facility with contact details : **GOLDSTONE CEMENTS LIMITED, Vill. Musiang Lamare (Old) Khliehriat, East Jaintia Hills, Meghalaya, 793210**
(as per the Consent to Establish/Operate) Mr. Vishal Jain (MD) 0361-2607071/72

2. Date of update of display : **17/05/2023**

3. Consent to Operate and Authorization : No. MPCB/CON-13-2011/Pt-1/2022-2023/97, Validity-30.06.2023

4. Hazardous waste Authorization : No. MPCB/ATH-45-2017/Pl-1/2018-2019/3, Validity-31.07.2023

5. Operational status : Operational ✓ / Non-Operational

6. Production Details

S.No.	Product Manufactured (including Recycling/Utilization)	Used Hazardous Chemicals quantity and purpose	Type of HW generated (MT/KL) with category as per HW Rules-2016 Year (2021-2022)		QTY of HW generated storage (MT/KL)		QTY of HW Disposed/Utilized inhouse (MT/KL)		Mode of treatment and disposal (Co-processing, Utilizing/truss/incinerator etc.)
			Used Oil	Fly Ash	MT	KL	MT	KL	
1	Cement, Clinker & Power	NA	0.067	0	0	0	0	0	Co-processing incinerator Utilizing
2			0	0	0	0	0		
3			0	0	0	0	0		
4			0	0	0	0	0		

7. Air Emission:

S.No.	Source of Air Pollution	Air Pollution Control System (APCS)		Parameters Monitored w.r.t. Air Pollution			Limits/Standard prescribed by SPCBs/CPCB (mg/Nm ³)
		Stack Height (in meter)	PM (mg/Nm ³)	SO ₂ (mg/Nm ³)	NO _x (mg/Nm ³)	SO ₂ (mg/Nm ³)	
1	Raw Mill & KILN	Baghouse	40.0	22	276	235	PM-30, SO ₂ -1000 NO _x -600 PM-50, SO ₂ -600, NO _x -300
2	Coal Mill	Baghouse	8.1	18	176	210	
3	Cooler ESP	ESP	45.0	22	---	---	
4	Cement Mill	Baghouse	42.0	18	---	---	
5	CPP	ESP	76.1	31	441	203	

OCEMS Connectivity details (Date of installation: 14/09/2017 and Operational Status: Operational ✓ / Non-Operational)

8. Effluent Discharge:

S.No.	Source of Effluent discharge with Qty	Treatment method	Mode of Disposal of treatment (Drain/sewer/land etc)	Effluents discharge monitoring parameters						
				pH	TSS	BOD	COD	N	TKN	NH ₃
1	Domestic effluent	20 M ³ /day ETP	out let (mg/l)	7.5	15	15	55	15	15	0.01
2	DM Plant N Pit	25 m ³ (Holding Capacity)	out let (mg/l)	7.5	15	15	55	15	15	0.01

OCEMS Connectivity details (Date of installation and Operational status: NA)

Environmental Parameters in LED Display Board

