



Date: 25.11.2024

The Inspector General Of Forest (Central)
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office, Guwahati
Forth Floor, Housefed, Rukminigoan, GS Road
Guwahati.

Sub. : Six Monthly Compliance Report of EC stipulations on Star Cement Limited (Formerly Cement Manufacturing Company Limited.), Guwahati Grinding Unit at Village: Chamata Pathar, Kamrup District, Assam due for the period of April, 2024 to September, 2024.

Ref. : Environment Clearance Issued to Cement Manufacturing Company Limited's Guwahati Cement Grinding Unit by MoEF vide letter no. F.No. J-11011/733/2008-IA II (I) dated 2nd January, 2009.

Dear Sir,

With reference to the above mentioned subject, we are submitting herewith the Six Monthly Compliance Report of the stipulated environmental conditions of environment clearance along with results of monitored data for the period of April, 2024 to September, 2024.

Thanking you,

Yours truly,

For Star Cement Limited

Authorized Signatory

Encl. : As Above

Copy to : 1. Director, Ministry of Environment, Forest and
Climate Change, Government of India
Indira Paryavaran Bhawan, Jorbagh, New Delhi – 110003
2. Additional Director & Zonal Officer,
Central Pollution Control Board,
North Eastern Zonal Office, Shillong - 793014
3. Member Secretary
Pollution Control Board, Assam
4. Addl. Chief Environment Engineer, Regional Office
Assam State Pollution Control Board, Assam
5. SEIAA, Ministry of Environment, Forest and Climate Change
Bamunimaidam, Guwahati - 781021, Assam

STAR CEMENT LIMITED

(Guwahati Grinding Unit)

Gopinath Bordoloi Road, Village - Chamata Pathar, PO Sonarpur, District - Kamrup (Mrtro). Pin - 782 402, Assam, Ph No. +91 8011002579, e-mail: ggu@starcement.co.in

Regd. Office & Works : Lumshong Dist - East Jaintia Hills, Meghalaya - 793 210, Ph: 03855-278215/16/18, Fax: 03655-278217, e-mail: umshnong@starcement.co.in

Corporate Office : Century House, P 15/1 Taratala Road, CPT Colony, 2nd Floor, Kolkata - 700 088 e-mail: kolkata@starcement.co.in

AN ISO 9001:2008, ISO 14001:2015, ISO 45001:2018. CERTIFIED COMPANY

CIN No. L26942ML2001PLC006663



SL No.	Conditions	Compliance Status (Up to 30 th September, 2024)
A. SPECIFIC CONDITIONS		
i	Necessary other statutory clearances from other concerned Departments including 'No Objection Certificate' (NOC) from the Assam State Pollution Control Board (ASPCB) shall be obtained prior to commencement of construction and /or operation.	<p>'No Objection Certificate' (NOC) from the Assam State Pollution Control Board (ASPCB) received vide Ref No: WB/GUW/T-1418/09-10/52/248 Dt: 03.07.2009.</p> <p>Further 'consent to Operate' for Plant for the year 2022-27 was renewed vide ref. No. WB/GUW/T-1418/Pt-I/15-16/419/2844 dated: 31.03.2022.</p> <p>& 'Consent to Operate' for Railway Siding for the year 2022-27 was renewed vide ref. No. WB/GUW/T-4260/21-22/75/346 dated: 24.05.2022.</p> <p>Copy of Consent to Operate for Plant is enclosed as Annexure-I. & Copy of Consent to Operate for Railway Siding is enclosed as Annexure-I A .</p>
ii	The stack emissions from various sources including cement mill and captive power plant (CPP) shall not exceed 50 mg/Nm ³ by installing bag filters. The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the ASPCB. At no time, particulate emissions from the grinding unit shall exceed 50mg/Nm ³ . Continuous on-line monitors for particulate emissions shall be installed in stacks. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.	<p>We have installed bag house to control Particulate Matter and opacity Meter for online monitoring for particulate Matter (PM) in the stack of Cement mill and Coal mill; PM is maintained within 30 mg/Nm³. The online data of stack monitoring is being uploaded to CPCB web portal through suitable modem.</p> <p>Data of Ambient air quality, fugitive emissions and stack emissions and ambient noise level monitoring are being submitted to the MoEF, Regional Office at Shillong, ASPCB & CPCB regularly.</p> <p>Interlocking facility has been provided to all the Bag House and pulse jet bag filters.</p> <p>The online data of stack monitoring is being uploaded to CPCB web portal and in process for ASPCB through suitable modem. The URL is http://glens.glensserver.com/</p> <p>Stack monitoring data and Ambient air are attached as Annexure-II A & II B respectively.</p>

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iii	Cement grinding shall be carried out in closed clinker and will have a highly efficient bag filters. Electrostatic precipitator (ESP) to AFBC boiler of CPP and bag filters to coal mill shall be provided to restrict the particulate matter below 30 mg/Nm ³ .	High efficient Polytetrafluoroethylene (PTFE) membrane jet bag filters are installed to control the particulate matter below 30 mg/Nm ³ . Power plant has not been established till date and power supply is from Assam State Electricity Board.
iv	Ambient air quality monitoring stations (AAQMS) shall be set up as per statutory requirement in consultation with the ASPCB. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with ASPCB and must not exceed the standards stipulated under EPA or by the State Authorities. Monitoring reports for ambient air, stack and fugitive emissions and ambient noise level monitoring shall be submitted to the Ministry's Regional Office at Shillong half-yearly and Central Pollution Control Board (CPCB) and ASPCB monthly and half-yearly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	Ambient air quality monitoring stations (AAQMS) were already established in consultation with Assam State Pollution Control Board (ASPCB). Ambient Noise levels were recorded at various locations in the plant premises. Ambient air quality and ambient noise levels are found within standards stipulated under EPA/MoEF & CC/CPCB/SPCB. The AAQ monitoring reports are enclosed for reference in Annexure-II as II A - Stack Monitoring Report II B - AAQ monitoring Report II C - Ambient Noise Level Monitoring Report II D - Fugitive Emission Analysis Report II E - Water Analysis Report Requisite copies of the monthly and half-yearly monitoring reports for ambient air quality, stack & fugitive emissions and noise level monitoring are being submitted to MoEF & CC Regional Office at Shillong, Central Pollution Control Board (CPCB) and Assam State Pollution Control Board (ASPCB). The instruments used for ambient air quality are being calibrated time to time and the latest calibration certificates are enclosed as Annexure-II F
v	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading /unloading points and all the transfer points. Adequate pollution control system shall be provided to raw mill, cement mill and rotary kiln along with stacks of adequate height as per CPCB guidelines to control fugitive emissions. Fugitive dust emissions from all the sources including storage areas shall be collected in bag filters and recycled back to the process. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw	The company is using water tankers for water sprinkling at loading & unloading points and all transfer points to control fugitive emissions. Adequate Air pollution control equipment such as pulse jet bag filters are attached to stacks of cement mill and packing plants. Stacks of adequate height are maintained as per CPCB guidelines for proper dispersion of particulate matter. The generated dust being collected from all sources and recycled back to process. The raw materials viz. Clinker, fly ash and gypsum are stored in covered sheds.

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	material stock yard and cement bag loading areas.	<p>Finished products are stored in silos.</p> <p>Water tankers are deployed for water sprinkling at all the raw material stock yard and cement loading areas.</p> <p>Photographs are attached as Annexure–III A.</p> <p>Road sweeper Machine is used for cleaning dust at all loading and unloading areas in the plant.</p> <p>Photographs are attached as Annexure–III B.</p>
vi	Total ground water requirement for the cement plant shall not exceed 1,900 m ³ /day. Effluent Treatment Plant (ETP) shall be provided for treatment of liquid effluent. Industrial effluent from CPP shall be treated and utilized for dust suppression, cooling and green belt development. Blow down water shall be treated in neutralizing pit. No liquid effluent shall be discharged from the process outside the premises and all the treated wastewater shall be utilized for green belt development and other plant related activities. 'Zero' effluent discharge shall be maintained. Sewage effluent will be treated in sewage treatment plant (STP).	<ul style="list-style-type: none"> • The present use of water is 444 m³/day for plant operations. • The plant is designed on Zero effluent discharge concept. This concept is being implemented as there is no industrial effluent generated from the process. • No Captive Power Plant (CPP) was established. • The domestic wastewater generated from the plant is being treated in sewage treatment plant (STP). • No wastewater is discharged outside the plant premises. • The treated wastewater is being utilized for green belt development and dust suppression. The STP sludge is used as manure for green belt development.
vii	'Permission' for the drawl of 1,758 m ³ / day ground water shall be obtained from State Ground Water Board /Central Ground Water Authority (SGWB/CGWA) and a copy submitted to the Ministry's Regional Office at Shillong within 3 months of issue of environmental clearance letter.	<p>Water drawl permission from CGWA for grinding unit has already obtained vide letter No.21-4(21)/NER/CGWA/2009-50 dated 29.06.2009.</p> <p>NOC Renewal Letter received from CGWA Ref No-CGWA/NOC/IND/REN/2/2022/7353 dated 01.12.2022 valid up to 26.02.2025</p> <p>Details are enclosed as Annexure–VIII.</p>
viii	Solid waste viz. fly ash from the captive power plant and dust etc. generated shall be properly recycled and reutilized in the cement plant itself. No solid waste shall be discharged from the grinding unit. Bed ash shall be used as bed material and /or disposed off in environment-friendly manner. Treated domestic sludge shall be used as manure for green belt development. Solid waste from sewage treatment plant (STP) shall be utilized as manure for green belt. Used transformer oil/spent oil shall be sold to authorized recyclers/re-processors.	<p>10 MW captive power plant was not established in Cement Grinding Unit. Power supply is from Assam State Electricity Board (ASEB). Hence fly ash is not generated in the Guwahati Grinding Unit.</p> <p>All the bag filters dust, clinker dust and cement dust are recycled and reused in the process. STP sludge is used as manure for horticulture/ green belt. The used transformer oil & spent oil is being sold to authorized recyclers.</p>

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ix	The fly ash utilization shall be as per the provisions stipulated in the Fly Ash Notification of September, 1999 and as amended in August, 2003.	No Fly Ash has been generated as the Captive power plant was not established in the plant.
x	As proposed, green belt shall be developed in 6 ha (33%) out of total 18 ha. Area to mitigate the impact of fugitive emissions in and around the expansion project as per the CPCB guidelines in Consultation with the local DFO.	The green belt has been developed in phased manner. At present 1,33,951 trees have been covered in 33% of plant area. Local species are selected in consultation with DFO and plantation is being maintained. Details of green belt development are enclosed as Annexure-IV.
xi	All the recommendations mentioned in the Corporate Responsibility of Environmental Protection (CREP) shall be strictly followed.	All the CREP recommendations are being followed. The details are provided in Annexure-V.
xii	Permission from the State Forest Department regarding the impact of the proposed plant on the East Africola RF(9 km), West Africola RF (9 km) and Marakdola RF (7 km) located within 10 km radius of the proposed project site.	Based on the site inspection report by Divisional Forest Office, Kamrup East Division, Guwahati indicating that "there will not be any impact of the grinding unit on East Africola, West Africola and Marakdola Reserve Forests" Letter no. FGT.58/Misc/Govt. Permit/07 dated. 28.04.09 from the Chief Conservator of Forests (T), Guwahati addressed to the Commissioner & Secretary, Environment & Forest Department, Government of Assam, along with report from Divisional Forest Officer, Kamrup East Division has been submitted for issue of NOC.
xiii	Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Rain water harvesting measures have been undertaken. Total 13 no's of Rain water recharge pits were constructed in the plant premises. Photographs are attached as Annexure-VI.
xiv	The company shall provide housing for construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	The necessary infrastructures were already provided during construction of the project.

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B. GENERAL CONDITION		
i	The project authority must adhere to the stipulations made by Assam State Pollution Control Board and State Government.	The stipulations of Assam State Pollution Control Board (ASPCB) and State Government are being complied.
ii	For further expansion or modification of the plant should be carried out without prior approval of this Ministry.	Prior approvals will be obtained from MOEF & CC if any, further expansion or modification of the plant.
iii	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the ASPCB. Data on ambient air quality and stack emissions and Ambient Noise level monitoring should be regularly submitted to this Ministry including its Regional Office at Shillong once in six months.	The ambient air quality monitoring stations were established in consultation with the ASPCB at four location in the plant where the maximum ground level concentration of particulate matter are anticipated. The gaseous emissions of SO ₂ and NO _x will not be generated from the stacks of the grinding unit. However, in ambient air PM ₁₀ , PM _{2.5} along with SO ₂ & NO _x are being monitored regularly in order to maintain Ambient Air Quality. The six months data of ambient air quality and stack emissions are regularly submitted to MoEF Regional office, Shillong. Monthly ambient air quality monitoring reports are enclosed as Annexure-II B .
iv	Industrial wastewater should be properly collected, treated so as to conform 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 wastewater should be utilized for plantation purpose.	There is no discharge of industrial effluent from the grinding unit. However, domestic wastewater is being treated in sewage treatment plant (STP). The treated wastewater is being utilized for green belt development and dust suppression. The sludge obtained from STP has been utilized for greenbelt development.
v	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 should conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).	The Ambient noise levels <75 dB (A) are maintained below Standards prescribed by APCB/CPCB/MoEFCC. Monthly monitored Noise levels are enclosed as Annexure-II C .

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vi	Proper housekeeping and adequate occupational health programmes must be taken up. All the persons working in the sensitive areas shall wear protective covers. Occupational Health Surveillance programme shall be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months.	<ul style="list-style-type: none"> Mechanical sweeping machine has been deployed in plant area. Daily manual sweeping is also carried out. Dust bins have been provided at various locations. The personal working in the dust/noise prone areas have been provided with personal protective equipment (PPE) such as helmets, safety glasses, industrial grade gloves, safety harnesses, gum boots, nose masks and earmuffs. Occupational Health Surveillance Programme is being conducted for the workers by a qualified doctor along with the medical staff. The medical staff has been appointed for regular health checkup of the workers. Periodic Medical Examination is being done on a regular basis and records are being maintained in the plant. The examination and tests are being carried out, as per norms, have been duly recorded in the Health Register for ready reference. <p>Preventive health checkup details are attached as Annexure-VII.</p>
vii	The company shall undertake eco-development measures including community welfare measures in the project area.	The company complies with all the eco-development measures including community development activities in the project area.
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP.	The company is complying with all the environmental protective measures & safeguards as per guidelines of State Pollution Control Board, Central Pollution Control Board & Ministry of Environment, Forest & Climate Change.
ix	A separate Environmental Management Cell with full-fledged laboratory facilities to carry out various management and monitoring functions should be set up under the control of Senior Executive.	The company has setup a separate environmental management cell under the control of a Senior Executive with an adequate laboratory facilities to carryout various management & monitoring functions.

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x	As proposed in the EIA /EMP, Rs. 160.00 lakhs and Rs. 10.00 lakhs earmarked towards capital cost and recurring cost / annum for environmental pollution control measures shall be judiciously utilized for the implementation of conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purposes.	Funds have been earmarked for Environmental pollution control. The fund is being used for environmental protection measures only and is not diverted for any other purpose.
xi	The Regional Office of this Ministry at Shillong /Central Pollution Control Board / Assam State Pollution Control Board shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	The company has been submitting six monthly compliance report and monitored data along with statistical interpretation to MoEF & CC, Regional office at Shillong, Central pollution Control Board and Assam State pollution Control Board.
xii	The 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.	The company has already informed to the Ministry the date of financial closure and final approval of the project on Date: 24.09.2009.
xiii	The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Assam State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that the 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.	The company has informed the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Assam State Pollution Control Board / Committee on Dt: 24.09.2009. The Environmental Clearance information published in two local newspapers one in English and other is in Assamese. The EC displayed on website at http://starcement.co.in

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ANNEXURE-I

Consent to Operate-Plant



Pollution Control Board: Assam Bamunimaidam; Guwahati-21

(Department of Environment & Forests: Government of Assam)

Phone: 0361-2652774 & 2550258; Fax: 0361-2550259

Website: www.pcbassam.org



No. WB/GUW/T-1418/Pt-I/15-16/419

Dated Guwahati, the 31st March, 2022

“CONSENT TO OPERATE”

“CONSENT TO OPERATE” under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974, as amended and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, as amended to-

- i) Name of Industry : **M/s. Star Cement Limited**
- ii) Name of the Occupier / Applicant and Designation : **Sri Mukesh Saxena, Factory Manager**
- iii) Address of the unit: : **Gopinath Bordoloi Road, Chamta Pathar
P.O- Sonapur, Kamrup (M), Assam-
782402**
- iv) Cost of the project: : **Rs. 24879.00 Lakhs**
- v) Type of the project: : **Cement grinding unit (Red Category)**
- vii) **Details of Products:**

Sl No.	Product	Process	Quantity/ Capacity
1	Portland Pozzolana Cement (PPC)	Clinker Grinding (Vertical Roller Mill)	870000 MTPA
2	Portland Slag Cement	Do	615000 MTPA
3	Ordinary Portland Cement (OPC)	Do	107000 MTPA

- viii) DG set : **1 x 1500 KVA**

General Conditions:

1. This Consent to Operate (CTO) has been accorded based on the particulars furnished by the applicant vide Application **ID 977527** and subject to addition of further or more conditions if so warranted by subsequent developments. The Consent will automatically become invalid if any change or alteration or deviation is made in actual practice;
2. The Consent to Operate is valid for a period up to **31.03.2027**.
3. This Consent may be modified, suspended or withdrawn by the Board in whole or in part during its term for cause including, but not limited to the following:-
 - (a) Violation of any Terms and Conditions of this Consent;
 - (b) Obtaining the Consent by misrepresentation or failure to disclose fully all relevant facts;
 - (c) If any genuine complaint received;
4. **The general and Specific conditions of Environmental Clearance granted by the MoEF & CC, GOI, Vide F. No.J-11011/733/2008-IA II (I) dtd.02.01.2009 shall be complied with.**
5. **The project authority should install a Display Board as per the Boards notification no.PCBA/LGL-95/2021/Notification/01 dtd.11.11.2021 (Appendix-A)**
6. Proper housekeeping shall be maintained. **Burning of any solid waste inside the premises is prohibited.**

Handwritten signature

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7. The project proponent must develop a greenbelt/plantation area with native trees only 33% of the total plot area to develop Green Belt and Carbon Sink.
8. The Company shall comply with all the environment protection measures and safeguards recommended in the EIA/EMP.
9. Domestic Wastewater generated from the factory and colony shall have to be treated in a Sewage Treatment Plant. This treated water shall be utilized in greenbelt development/spraying around the plant and colony.
10. Permission of the Central Ground Water Authority shall be obtained for extraction of Ground Water, if applicable.
11. Environmental Statement in prescribed Form-V should be submitted on or before the 30th September every year.
12. Water sprinklers shall be installed along the haul roads for control of fugitive emissions. is to be done in side factory campus to suppress the dust.

Specific Conditions:

A) Air Aspect:-

1. Details of Project:

Sl No.	Unit	Capacity	APC Device	ID Fan Capacity	Chimney Height and Dia.
1	Cement Mill	260 TPH	Bag House	702583 m ³ /hr	H-62 M Dia-2.50 M
2	Coal Mill	5 TPH	Bag House	21000 m ³ /hr	H-40.55 M Dia-0.60 M
3	Clinker Stock Pile (CSP)	15000 MT			

2. The minimum height of all the chimneys shall not be less than 30 meters.
3. The unit shall comply with the **standards and guidelines for control of noise pollution from stationary Diesel Generator (DG) set, notified by the MoEF & CC, Govt. of India vide, GSR 7, dated Dec.22, 1998 (Appendix-B)**
4. Location of sampling port shall be provided as specified in **CPCB guidelines for Emission Regulations (December 1985), Part-III (Appendix-C)**
5. The unit shall comply with the industry specific emission standards, notified by the **MoEF & CC, Govt. of India, vide GSR.612(E) dated 25th August, 2014, as applicable for all its chimney emission (Part-A of Appendix-D)**
6. The unit shall comply with noise level standard, notified by the **MoEF & CC, Govt. of India vide, GSR 7, dated Dec.22, 1998, as mentioned herein under-**

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

ms 243



7. The industry shall comply to the National Ambient Air Quality Standards, notified by the MoEF & CC, GOI, vide GSR 826(E) dtd.16.11.2009, especially with respect to SO₂, NO₂, PM_{2.5} and PM₁₀, as mentioned herein under-

Sl. No.	Pollutants	Time Weighted average	Concentration in Ambient Air (Industrial, Residential, Rural Areas) µg/m ³
1.	SO ₂ (µg/m ³)	Annual 24 hours	50 80
2.	NO ₂ (µg/m ³)	Annual 24 hours	40 80
3.	PM ₁₀ (µg/m ³)	Annual 24 hours	60 100
4.	PM _{2.5} (µg/m ³)	Annual 24 hours	40 60

13. On-line Continuous Emission Monitoring System (OCEMS) for Particulate Matter (PM), emission shall be properly maintained and OCMMS RT-DAS data should be regularly transmitted to **Pollution Control Board, Assam** and Central Pollution Control Board.
14. The unit shall install the following measures for control of source and fugitive emission.
- Dust containment cum suppression system at Raw Material Feed Hoppers, all the material transfer & dropping points.
 - Construction of the metallic roads within the premises.
 - Regular cleaning and water sprinkling at the ground and in the haul roads.
15. Appropriate dust suppression measures shall be adopted to reduce fugitive emission at all the materials transfer and dropping points.
16. Vehicle wheel washing system shall be installed at entry and exit gate of the factory.

B) Water Aspect:

- Raw water consumption- 444 KL/Day
- Effluent generation- Nil
- Capacity of STP- 150 KL/Day
- The treated water of the unit shall comply with industry specific standards, notified by the MoEF & CC, Govt. of India, vide GSR.612(E) dated 25th August, 2014 (Part-B of Appendix-D)
- The unit shall maintain 'Zero Liquid Discharge' condition.
- Storm water shall not be allowed to mix with effluent and/or floor washing.
- Storm water within the battery limits shall be channelized through separate drain/pipe passing through a HDPE lined pit having holding capacity of 10 minutes (hourly average) of rainfall.
- Rain water harvesting facility shall be maintained. A rain water harvesting pond shall be maintained within the premises. For water sprinkling of haul roads, water from the harvesting pond shall be used.
- Adequate covered storage sheds for fly-ash shall have to be provided to prevent leachate and runoff from the storage yard;

C) E-Waste Aspects:

Electronic wastes generated in the unit shall be disposed of as per the provisions of E-Waste Management Rules, 2016. The unit shall submit the Annual Report in the Form-III within 30th June every year.

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D) Plastic Waste Aspect:

Plastic Waste generated in the unit shall be quantified and disposed of in accordance of the provisions under Plastic Waste Management Rules, 2016. A report shall be submitted by the unit regarding generation and management of plastic wastes.

2. The unit shall submit the Annual return under the Plastic Waste Management Rules, 2016 within 30th June every year.

E) Solid Waste Aspect-

1. Adequate facility should be created for collection, storage, transportation, treatment & disposal of industrial solid waste generated from the Industry.
2. Adequate system should be adopted on reduction of waste generation and enhancement of re-utilization & recycling of waste materials.
3. Solid waste generated in the unit shall be disposed of as per the provisions of the Solid Waste Management Rules, 2016.

F) Hazardous Waste Aspect:

1. The unit shall obtain Authorization from the Board under Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016.
2. Adequate facility shall be provided for collection and storage of spent oil, which shall be sent to registered recyclers for recycling.
3. The unit shall maintain proper records of hazardous waste generation in Form-III under the said Rules.
4. The unit shall dispose of any other hazardous waste generated from the industry in accordance to the provisions of the said Rules.
5. The unit shall submit annual return under the said Rules in Form-IV within 30th June every year.

The unit shall submit compliance report of the mandated conditions by April, 15, every year to Member Secretary, PCBA as well as to Regional Office, Guwahati, PCBA. The Board will have the liberty to withdraw the CTO if adequate pollution control and safety measures are not taken and the mandated conditions are not complied with.

//
(Shantanu Kr. Dutta)
Member Secretary

Memo No. WB/GUW/T-1418/Pt-I/15-16/419-A.

Dated Guwahati, the 31st March, 2022

Copy to: -

✓ 2844
M/s Star Cement Limited, P.O. Gopinath Bordoloi Road, Chamta Pathar P.O- Sonapur, Kamrup (M), Assam-782402 for information & necessary action.

2844
(Shantanu Kr. Dutta)
Member Secretary



Pollution Control Board, Assam
Bamunimaidam, Guwahati-21



NOTIFICATION

No. PCBA/LGL-95/2021/Notification/01

Dated Guwahati, the 11th Nov, 2021

In exercise of the powers conferred under Section-5 of the Environment (Protection) Act, 1986 as amended till date and keeping in view the need of public interest towards dissemination of vital information regarding Consent/Authorization of this Board, all industries are hereby directed to install a Display Board of minimum size 5'x4', near the main entrance gate.

The format of the display board is given below:

Name and Address of the Unit : M/s.	
Description of Consent/Authorization	Details
Consent to Establish (CTE)	No.: Date of Issue:
Consent to Operate (CTO)	No.: Date of validity:
Authorization under Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 (if applicable)	No.: Date of Issue: Date of validity:

Member Secretary

Memo No. PCBA/LGL-95/2021/Notification/01-A
 Copy to:

Dated Guwahati, the 11th Nov, 2021

- ✓ 1. The Commissioner & Secretary to the Govt. of Assam, Department of Environment & Forest, Dispur for kind information.
2. P.A. to the Chairman, PCBA for kind appraisal of the Hon'ble Chairman.
3. The All Regional Heads, PCBA for information & necessary action.
4. M/S APS Advertising Pvt. Ltd, Guwahati-1. They are requested to publish the "NOTICE" in "the Assam Tribune" and "Dainandini Barta" on 12.11.2021.
5. Notice Board, Head Office / Website (www.pcbassam.org), PCBA.


Member Secretary

(1)
Appendix –B



1.66.0 STANDARDS AND GUIDELINES FOR CONTROL OF NOISE POLLUTION FROM STATIONARY DIESEL GENERATOR (DG) SETS.

(A) Notes standards for DG sets (15-500KVA)

The total sound power level LW of DG set should less than $94 + 10 \log 10\text{KVA}$, dB (A), at the manufacturing stage, whether; KVA is the nominal power rating of a DG set.

This level should fall by 5dB (A) every five years, till 2007, i.e. in 2002 and then in 2007.

(B) Mandatory Acoustic enclosure/Acoustic treatment of room for stationary DG sets (5KVA and above):

Noise from the DG set should be controlled by providing an acoustic enclosure on by treating the room acoustically.

The acoustic enclosure/acoustic treatment of the room should be designed for minimum 25 dB (A) insertion Loss or for meeting the ambient noise standards, which ever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/acoustic treatment. Under circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion Loss may be done at different points at 0.5 from the acoustic enclosure/room, and then averaged. (See the Schematic Diagram).

The DG set should also be provided with proper exhaust muffler with Insertion Loss of minimum 25 dB (A).

Guidelines for the manufacturers Users of DG sets 5KVA and above:

- ☐ The manufacture should offer to the user a standard acoustic enclosure of 25dB (A). Insertion Loss and also a suitable exhaust muffler with Insertion Loss of 25dB (A).
- ☐ The user should make efforts to bring down the noise levels due to the DG set, outside his premises, within the ambient noise requirements by proper siting and control measures.
- ☐ The manufacturer should furnish noise power levels of the unsalaried DG sets as per standards prescribed under (A).
- ☐ The total sound power level of a DG set, at the user's and, shall be within 2dB(A) of the total sound power level of the DG set, at the manufacturing stage, as prescribed under (A).
- ☐ Installation of DG set must be strictly in compliance with the recommendation of the DG set manufacture.
- ☐ A proper routines and preventive maintenance procedure for the DG set manufacturer which would help prevent noise levels of the DG set from deteriorating with use.

2.44.0 NOISE (AMBIENT STANDARDS)

Area Code	Category of Area	Limit in dB (A) Leq.	
		Day time	Night time
A.	Industrial area	75	70
B.	Commercial area	65	55
C.	Residential area	55	45
D.	Silence Zone	50	40

Note – 1 : Day time is reckoned in between 6.00 A.M. and 9.00 P.M.

Note – 2 : Night time is reckoned in between 9.00P.M. and 6.00 A.M.

Note – 3 : Silence zone is defined as areas up to 100 meters around such premises as hospitals, educational institutions and courts. The silence zones are to be declared by the competent Authority.

Note – 4 : Mixed categories of areas should be declared as one of the four above mentioned categories by the competent Authority and the corresponding standard shall apply.

Source: EPA, 1986
[GSR 7, dated Dec.22, 1998]



Source: EPA, Notification
[GSR 1063 (E), dated Dec., 26, 1998]

3.22.D DIESEL GENERATOR SETS : STACK HEIGHT

1. The minimum stack height to be provided with each generator set shall be worked out as per the following formula:- $H = h + 0.2 \sqrt{\text{KVA}}$, where H = Total height of stack in meter.

h = Height of the building in meters where generator set is installed.

KVA = Total generator capacity.

Adequate fire fighting measures have to be provided by the occupier of the premises. Based on the above formula the minimum stack height to be provided with different range of generator sets may be categories as follows:

Range of Generator sets	Minimum Stack Height
50 KVA	Ht. of the building + 1.5 metre.
50 - 100 KVA	Ht. of the building + 2.0 metre.
100 - 150 KVA	Ht. of the building + 2.5 metre.
150 - 200 KVA	Ht. of the building + 3.0 metre.
200 - 250 KVA	Ht. of the building + 3.5 metre.
250 - 300 KVA	Ht. of the building + 3.5 metre.

Similarly for higher KVA rating a stack height can be worked out using the above formula.

Source : Evolved by CPCB
[Emission Regulations Part-IV: COINDS/26 1986-87]

4. A .32.0 Part - C

Sl. No. 1 Stack Gas : PM - $150 \mu\text{g}/\text{Nm}^3$

B. Ambient Air Standards:

Residential Area	Industrial Area	Sensitive Area
SO ₂ : $80^* \mu\text{g}/\text{m}^3$	120* : $\mu\text{g}/\text{m}^3$	30* : $\mu\text{g}/\text{m}^3$
NO ₂ : $80^* \mu\text{g}/\text{m}^3$	120* : $\mu\text{g}/\text{m}^3$	30* : $\mu\text{g}/\text{m}^3$
CO : $2.0^{**} \mu\text{g}/\text{m}^3$	5.0** : $\mu\text{g}/\text{m}^3$	1.0** : $\mu\text{g}/\text{m}^3$

*24 hourly; ** 8 hourly

5. SCHEMATIC DIAGRAM OF D.G. SET IN AN ACOUSTIC ENCLOSURE No. Process/71/1998-99.

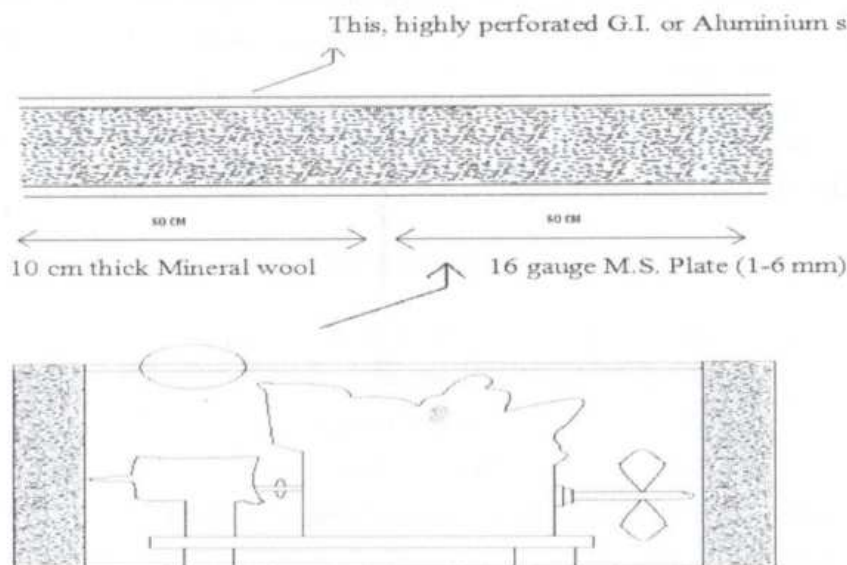


Fig. 4 Schematic Diagram of the DG set in an Acoustic Enclosure

Air required for the ventilation and breathing of the engine will have to be provided by means of intake louvers and exhaust louvers (called parallel baffle mufflers) projecting out of the enclosure.

Shantanu Kr. Dutta
(Shantanu Kr. Dutta)
Member Secretary
Pollution Control Board, Assam



Annexure-C



✓ 2.5.0 Location of Sampling Port

To ensure laminar flow the sampling ports shall be located at atleast 8 times chimney diameter down stream and 2 times up stream from any flow disturbance. For a rectangular cross section the equivalent diameter (D_e) shall be calculated from the following equation to determine up stream, down stream distances.

$$D_e = \frac{2LW}{L+W}$$

Where L = Length in m, W = width in m.

Sometimes it may so happen for existing chimneys that sufficient physical chimney height is not available for desired sampling location in such cases additional traverse points shall be taken as given under 2.4.0.

The sampling port should be preferably provided on the delivery side of duct or chimney and not on the suction side.

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(ख) अनुसूची 6 में, साधारण उत्सर्जन मानक से संबंधित भाग घ के अधीन, भार/मात्रा आधारित मानक से संबंधित मद 3 में, क्रम सं. 9 और उससे संबंधित प्रविष्टियों के पश्चात् निम्नलिखित क्रम संख्यांक और प्रविष्टियां अंतःस्थापित की जाएगी, अर्थात् :—

(1)	(2)	(3)	(4)
"10	सीमेंट मानक (बिना प्रसंस्करण के)	धूर्णक भट्टा पर आधारित संयंत्र (अपरिष्कृत मिल, भट्टा और पूर्ण खांगर सिस्टम को साथ चलने से विवर्त पदार्थ)	खांगर का 0.125 कि.ग्रा./टन (01.01.2017 से)
		उर्ध्वधर शाफ्ट भट्टा आधारित संयंत्र (अपरिष्कृत मिल, भट्टा के साथ चलने से प्राप्त विवर्त पदार्थ)	खांगर का 0.50 कि.ग्रा./टन (01.01.2017 से)।

[फा. सं. क्यू.-15017/30/2007-सी.पी.डब्ल्यू.]

डॉ. राशिद हसन, सलाहकार

टिप्पणी—मूल नियम भारत के राजपत्र में का.आ. सं. 844(अ), 19 नवंबर, 1986 द्वारा प्रकाशित किए गए थे और तत्पश्चात् अधिसूचना सं. 433(अ), तारीख 18 अप्रैल, 1987 ; सा.का.नि. सं. 97(अ), तारीख 18 फरवरी, 2009 ; सा.का.नि. सं. 149(अ), तारीख 4 मार्च, 2009 ; सा.का.नि. सं. 739(अ), तारीख 9 सितंबर, 2010 ; सा.का.नि. सं. 809(अ), तारीख 4 अक्टूबर, 2010 ; सा.का.नि. सं. 215(अ), तारीख 15 मार्च, 2011 ; सा.का.नि. सं. 221(अ), तारीख 18 मार्च, 2011 ; सा.का.नि. सं. 354(अ), तारीख 2 मई, 2011 ; सा.का.नि. सं. 424(अ), तारीख 1 जून, 2011 ; सा.का.नि. सं. 446(अ), तारीख 13 जून, 2011 ; सा.का.नि. सं. 152(अ), तारीख 16 मार्च, 2012 ; सा.का.नि. सं. 266(अ), तारीख 30 मार्च, 2012 ; और सा.का.नि. सं. 277(अ), तारीख 31 मार्च, 2012 ; और सा.का.नि. सं. 820(अ), तारीख 9 नवंबर, 2012 ; सा.का.नि. सं. 176(अ), तारीख 18 मार्च, 2013 ; सा.का.नि. सं. 535(अ), तारीख 7 अगस्त, 2013 ; सा.का.नि. सं. 771(अ), तारीख 11 दिसंबर, 2013 ; सा.का.नि. सं. 2(अ), तारीख 2 जनवरी, 2014 ; सा.का.नि. सं. 229(अ), तारीख 28 मार्च, 2014 ; सा.का.नि. सं. 232(अ), तारीख 31 मार्च, 2014 और सा.का.नि. सं. 325(अ), तारीख 7 मई, 2014 द्वारा संशोधित किए गए थे।

MINISTRY OF ENVIRONMENT, FORESTS AND CLIMATE CHANGE

NOTIFICATION

APPENDIX-B

New Delhi, the 25th August, 2014

G.S.R. 612(E).— In exercise of the powers conferred by sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely :—

- (1) These rules may be called the Environment (Protection) (Fifth Amendment) Rules, 2014.
- (2) They shall come into force on the date of their publication in the Official Gazette.
2. In the Environment (Protection) Rules, 1986,—
 - (a) in Schedule I, for serial number 10 and entries relating thereto, the following serial number and entries shall be substituted, namely :—

S. No.	Industry	Parameter	Standards		
(1)	(2)	(3)	(4)		
"10	Cement Plant (without coprocessing), Standalone Clinker Grinding Plant or, Blending Plant	Particulate Matter	A - Emission Standards		
			(i) Rotary Kiln - without coprocessing		
			Date of Commissioning	Location	Concentration not to exceed, in mg/ Nm ³
			(a)	(b)	(c)
			on or after the date of notification	anywhere in the country	30 (with effect from 01.01.2016)



[भाग II-खण्ड 3(i)]

भारत का राजपत्र : असाधारण

5

			before the date of notification	critically polluted area or urban centres with population above 1.0 lakh or within its periphery of 5.0 kilometre radius	50 (with effect from 01.01.2015)
					30 (with effect from 01.06.2016)
				other than critically polluted area or urban centres	100 (with effect from 01.01.2015)
					30 (with effect from 01.06.2016)
		Sulphur Dioxide (SO ₂)	irrespective of date of commissioning	anywhere in the country	100
		Nitrogen Dioxide (NO ₂)	on or after the date of notification	anywhere in the country	600 (with effect from 01.06.2015)
			before the date of notification	anywhere in the country	800 (with effect from 01.01.2016)

(1)	(2)	(3)	(4)		
			(a)	(b)	(c)
			(ii) Vertical Shaft Kiln – (without coprocessing)		
		Particulate Matter (PM)	on or after the date of notification	anywhere in the country	50 (with effect from 01.06.2016)
			before the date of notification	critically polluted area or urban Centres with population above 1.0 lakh or within its periphery of 5 kilometre radius	100 (with effect from 01.06.2015)
				other than critically polluted area or urban centres	75 (with effect from 01.06.2016)
					150 (with effect from 01.01.2015)
		Sulphur Dioxide (SO ₂)	-	-	200 (with effect from 01.01.2016)
		Nitrogen Dioxide (NO ₂)	-	-	500 (with effect from 01.01.2016)

3351 46/14-2



[PART II - SEC. 3(i)]

		<p>Note :—</p> <p>a. The height of each stack including Clinker Grinding Plant, Coal Mill, Raw Mill, Grinding, Packaging Section, etc. shall be of a minimum of 30 metres or, as per the formula $H=14(Q)^{0.3}$, whichever is more, where "H" is the height of stack in metres and "Q" is the maximum quantity of SO₂ expected to be emitted in kg/hr through the stack at 100 per cent rated capacity of the plant and calculated as per the norms of gaseous emission.</p> <p>b. Above norms shall be applicable even if pet-coke is mixed with coal or, used alone for clinker making in kiln provided; pet-coke has been notified as 'approved fuel' by the concerned State Pollution Control Board/ Pollution Control Committee under the Air (Prevention and Control of Pollution) Act, 1981.</p> <p>c. All monitored values for SO₂ and NO₂ shall be corrected to 10% Oxygen, on dry basis. The norms for SO₂ and NO₂ shall be applicable to stacks attached to kiln.</p> <p>d. Scrubber meant for scrubbing emissions shall not be used as quencher. Plants having separate stack for gaseous emission for the scrubbing unit, the height of this stack shall be atleast equal to the main stack.</p>		

(1)	(2)	(3)	(4)
		B.- Service wastewater- (without coprocessing)	
		All efforts shall be made by the industry for 'zero discharge' of service wastewater. In case, the industry prefers to discharge service wastewater, the following norms shall be complied with:	
			Concentration not to exceed, milligramme per litre (except pH and temperature)
		pH	5.5 to 9.0
		Suspended Solids	100
		Oil and Grease	10
		Temperature	not more than 5°C higher than the intake water temperature
		C.- Stormwater	
		(I) Stormwater shall not be allowed to mix with effluent, treated sewage, scrubber water and/ or floor washings.	
		(II) Stormwater within battery limits of industry shall be channelized through separate drain(s) as per natural gradient passing through high density polyethylene lined pit(s) each having holding capacity of 10 minutes (hourly average) of rainfall for its catchment area."	



(b) in Schedule VI, under 'PART- D' relating to General Emission Standards, in item III relating to Load/Mass based standards, after serial number 9, and the entries relating thereto, the following serial number and entries shall be inserted, namely :—

(1)	(2)	(3)	(4)
"10	Cement Plants (without coprocessing)	Rotary kiln based plants (Particulate Matter from raw mill, kiln and pre-calciner system put together).	0.125 Kg/ tonne of clinker (with effect from 01.01.2017)
		Vertical shaft kiln based plants (Particulate Matter from raw mill and kiln put together)	0.50 Kg/ tonne of clinker (with effect from 01.01.2017) . "

[F. No. Q-15017/30/2007-CPW]

DR. RASHID HASAN, Advisor

Note:—The principal rules were published in the Gazette of India vide number S.O. 844 (E), 19th November, 1986 and subsequently amended vide notifications numbers S.O. 433 (E), dated 18th April 1987; G.S.R. 97 (E), dated the 18th February, 2009; G.S.R. 149 (E), dated the 4th March, 2009; G.S.R. 739 (E), dated the 9th September, 2010; G.S.R. 809(E), dated, the 4th October, 2010, G.S.R. 215 (E), dated the 15th March, 2011; G.S.R. 221(E), dated the 18th March, 2011; G.S.R. 354 (E), dated the 2nd May, 2011; G.S.R. 424 (E), dated the 1st June, 2011; G.S.R. 446 (E), dated the 13th June, 2011; G.S.R. 152 (E), dated the 16th March, 2012; G.S.R. 266(E), dated the 30th March, 2012; and G.S.R. 277 (E), dated the 31st March, 2012; and G.S.R. 820(E), dated the 9th November, 2012; G.S.R. 176 (E), dated the 18th March, 2013; G.S.R. 535(E), dated the 7th August, 2013; G.S.R. 771(E), dated the 11th December, 2013; G.S.R. 2(E), dated the 2nd January, 2014; G.S.R. 229 (E), dated the 28th March, 2014; G.S.R. 232(E), dated the 31st March, 2014; and G.S.R. 325(E), dated the 7th May, 2014.

मार्ग 43

ANNEXURE-IA

Consent to Operate-Railway Siding



Pollution Control Board: Assam Bamunimaidam; Guwahati-21

(Department of Environment & Forests: Government of Assam)

Phone: 0361-2652774 & 2550258; Fax: 0361-2550259

Website: www.pcbassam.org



No. WB/GUW/T-4260/21-22/75

Dated Guwahati, the 24th May, 2022

“CONSENT TO OPERATE”

“CONSENT TO OPERATE” under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974, as amended and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, as amended to-

- i) Name of Industry : **M/s. Star Cement Ltd. (Railway Siding)**
- ii) Name of the Occupier / Applicant and Designation : **Sri Mukesh Saxena, Factory Manager**
- iii) Address of the unit: : **Gopinath Bordoloi Road, Chamta Pathar P.O- Sonapur, Kamrup (M), Assam- 782402**
- iv) Cost of the project: : **Rs. 3892.00 Lakhs**
- v) Type of the project: : **Railway Sidings (Orange Category)**
- vii) Details of Project:

Sl No.	Service
1	Railway Sidings for unloading, stocking and handling of Fly Ash, Gypsum, Coal, etc.

General Conditions:

1. This Consent to Operate (CTO) has been accorded based on the particulars furnished by the applicant vide Application **ID 970247** and subject to addition of further or more conditions if so warranted by subsequent developments. The Consent will automatically become invalid if any change or alteration or deviation is made in actual practice;
2. The Consent to Operate is valid for a period up to **31.03.2027**.
3. This Consent may be modified, suspended or withdrawn by the Board in whole or in part during its term for cause including, but not limited to the following:-
 - (a) Violation of any Terms and Conditions of this Consent;
 - (b) Obtaining the Consent by misrepresentation or failure to disclose fully all relevant facts;
 - (c) If any genuine complaint received;
4. **The project authority should install a Display Board as per the Boards notification no.PCBA/LGL-95/2021/Notification/01 dtd.11.11.2021 (Appendix-A)**
5. All the internal roads shall be made metallic.
6. Proper housekeeping shall be maintained. **Burning of any waste inside the premises is prohibited.**
7. The project proponent must develop a greenbelt/plantation area with native trees only at least 33% of the total plot area to develop Green Belt and Carbon Sink.

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8. Permission of the Central Ground Water Authority shall be obtained for extraction of Ground Water, if applicable.
9. Water sprinklers shall be installed along the haul roads for control of fugitive emissions. is to be done in side factory campus to suppress the dust.
10. The unit shall have to apply for its renewal ninety (90) days before expiry of the validity of this CTO

Specific Conditions:

A) Air Aspect:-

1. Details of Mist Canon-
 - a) Number of Mist Canon- 6 Numbers
 - b) Water consumption in Mist Canon- 70 liters/hr (Each)
2. The industry shall comply to the National Ambient Air Quality Standards, **notified by the MoEF & CC, GOI, vide GSR 826(E) dtd.16.11.2009**, especially with respect to PM_{2.5} and PM₁₀, as mentioned herein under-

Sl. No.	Pollutants	Time Weighted average	Concentration in Ambient Air (Industrial, Residential, Rural Areas) µg/m ³
1.	PM10 (µg/m ³)	Annual 24 hours	60 100
2.	PM2.5 (µg/m ³)	Annual 24 hours	40 60

3. Appropriate dust suppression measures shall be adopted to reduce fugitive emission at all the materials transfer and dropping points.
4. Vehicle wheel washing system shall be installed at entry and exit point of the Siding.

B) Water Aspect:

1. Surface runoff generated from the siding shall have to be treated properly. This treated water shall be utilized in greenbelt development/spraying around the plant and colony.
2. The treated surface runoff water of the unit shall comply with general discharge standards, notified by the **MoEF & CC, Govt. of India, vide GSR.422(E) dated.19.05.1993 (Appendix-B)**
3. Storm water shall not be allowed to mix with effluent and/or floor washing.
4. Storm water within the battery limits shall be channelized through separate drain/pipe passing through a HDPE lined pit having holding capacity of 10 minutes (hourly average) of rainfall.
5. Adequate covered storage sheds for fly-ash shall have to be provided to prevent leachate and runoff from the storage yard;

D) Plastic Waste Aspect:

1. Plastic Waste generated in the unit shall be quantified and disposed of in accordance of the provisions under Plastic Waste Management Rules, 2016. A report shall be submitted by the unit regarding generation and management of plastic wastes in June every year.

E) Solid Waste Aspect-

1. Adequate facility should be created for collection, storage, transportation, treatment & disposal of industrial solid waste generated from the Industry.

महेश्वर



2. Adequate system should be adopted on reduction of waste generation and enhancement of re-utilization & recycling of waste materials.
3. Solid waste generated in the unit shall be disposed of as per the provisions of the Solid Waste Management Rules, 2016.

The unit shall submit compliance report of the mandated conditions by April, 15, every year to Member Secretary, PCBA as well as to Regional Office, Guwahati, PCBA. The Board will have the liberty to withdraw the CTO if adequate pollution control and safety measures are not taken and the mandated conditions are not complied with.

//
(Shantanu Kr. Dutta)
Member Secretary

Memo No. WB/GUW/T-4260/21-22/75-A.

Dated Guwahati, the 24th May, 2022

Copy to: -

✓ M/s Star Cement Ltd. (Railway Siding), P.O. Gopinath Bordoloi Road, Chamta Pathar
P.O- Sonapur, Kamrup (M), Assam-782402 for information & compliance of conditions.

msg 43
(Shantanu Kr. Dutta)
Member Secretary



Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

NOTIFICATION

No. PCBA/LGL-95/2021/Notification/01

Dated Guwahati, the 11th Nov, 2021

In exercise of the powers conferred under Section-5 of the Environment (Protection) Act, 1986 as amended till date and keeping in view the need of public interest towards dissemination of vital information regarding Consent/Authorization of this Board, all industries are hereby directed to install a Display Board of minimum size 5'x4', near the main entrance gate.

The format of the display board is given below:

Name and Address of the Unit : M/s.	
Description of Consent/Authorization	Details
Consent to Establish (CTE)	No.: Date of Issue:
Consent to Operate (CTO)	No.: Date of validity:
Authorization under Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016 (if applicable)	No.: Date of Issue: Date of validity:

Member Secretary

Memo No. PCBA/LGL-95/2021/Notification/01-A

Dated Guwahati, the 11th Nov, 2021

Copy to:

1. The Commissioner & Secretary to the Govt. of Assam, Department of Environment & Forest, Dispur for kind information.
2. P.A. to the Chairman, PCBA for kind appraisal of the Hon'ble Chairman.
3. The All Regional Heads, PCBA for information & necessary action.
4. M/S APS Advertising Pvt. Ltd, Guwahati-1. They are requested to publish the "NOTICE" in "the Assam Tribune" and "Dainandini Barta" on **12.11.2021**.
5. Notice Board, Head Office / Website (www.pcbassam.org), PCBA.

Member Secretary


¹[SCHEDULE – VI]
(See rule 3A)

**GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL
POLLUTANTS PART-A : EFFLUENTS**

S. No.	Parameter	Standards			
		Inland surface water	Public Sewers	Land for irrigation	Marine coastal areas
1	2	3			
		(a)	(b)	(c)	(d)
1.	Colour and odour	See 6 of Annexure-I	--	See 6 of Annexure -I	See 6 of Annexure-I
2.	Suspended solids mg/l, Max.	100	600	200	(a) For process waste water- 100 (b) For cooling water effluent 10 percent above total suspended matter of influent.
3.	Particulate size of suspended solids	Shall pass 850 micron IS Sieve	--	--	(a) Floatable solids, max. 3 mm. (b) Settleable solids, max. 850 microns.
² 4.	***	*	--	***	--
5.	pH Value	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0	5.5 to 9.0
6.	Temperature	shall not exceed 5°C above the receiving water temperature	--	--	shall not exceed 5°C above the receiving water temperature


¹ Schedule VI inserted by Rule 2(d) of the Environment (Protection) Second Amendment Rules, 1993 notified vide G.S.R. 422(E) dated 19.05.1993, published in the Gazette No. 174 dated 19.05.1993.

² Omitted by Rule 2(d)(i) of the Environment (Protection) Third Amendment Rules, 1993 vide Notification No.G.S.R.801(E), dated 31.12.1993.



S. No.	Parameter	Standards			
		Inland surface water	Public Sewers	Land for irrigation	Marine coastal areas
1	2	3			
		(a)	(b)	(c)	(d)
7.	Oil and grease mg/l Max.	10	20	10	20
8.	Total residual chlorin mg/l Max.	1.0	--	--	1.0
9.	Ammonical nitrogen (as N), mg/l Max.	50	50	--	50
10.	Total Kjeldahl Nitrogen (as NH ₃) mg/l, Max.	100	--	--	100
11.	Free ammonia (as NH ₃) mg/l, Max.	5.0	--	--	5.0
12.	Biochemical Oxygen demand ¹ [3 days at 27°C] mg/l max.	30	350	100	100
13.	Chemical Oxygen Demand, mg/l, max.	250	--	--	250
14.	Arsenic (as As), mg/l, max.	0.2	0.2	0.2	0.2
15.	Mercury (as Hg), mg/l, Max.	0.01	0.01	--	0.01
16.	Lead (as Pb) mg/l, Max.	0.1	1.0	--	2.0
17.	Cadmium (as Cd) mg/l, Max.	2.0	1.0	--	2.0
18.	Hexavalent Chromium (as Cr+6), mg/l max.	0.1	2.0	--	1.0

¹ Substituted by Rule 2 of the Environment (Protection) Amendment Rules, 1996 notified by G.S.R.176, dated 2.4.1996 may be read as BOD (3 days at 27°C) wherever BOD 5 days 20°C occurred.



S. No.	Parameter	Standards			
		Inland surface water	Public Sewers	Land for irrigation	Marine coastal areas
1	2	3			
		(a)	(b)	(c)	(d)
19.	Total chromium (as Cr.) mg/l, Max.	2.0	2.0	--	2.0
20.	Copper (as Cu) mg/l, Max.	3.0	3.0	--	3.0
21.	Zinc (As Zn.) mg/l, Max.	5.0	15	--	15
22.	Selenium (as Se.) mg/l, Max.	0.05	0.05	--	0.05
23.	Nickel (as Ni) mg/l, Max.	3.0	3.0	--	5.0
¹ 24.	***	*	*	*	*
¹ 25.	***	*	*	*	*
¹ 26.	***	*	*	*	*
27.	Cyanide (as CN) mg/l Max.	0.2	2.0	0.2	0.2
¹ 28.	***	*	*	*	*
29.	Fluoride (as F) mg/l Max.	2.0	15	--	15
30.	Dissolved Phosphates (as P), mg/l Max.	5.0	--	--	--
² 31.	***	*	*	*	*
32.	Sulphide (as S) mg/l Max.	2.0	--	--	5.0
33.	Phenoile compounds (as C ₆ H ₅ OH) mg/l, Max.	1.0	5.0	--	5.0

¹ Omitted by Rule 2(d)(i) of the Environment (Protection) Third Amendment Rules, 1993 vide Notification No.G.S.R.801(E), dated 31.12.1993.



S. No.	Parameter	Standards			
		Inland surface water	Public Sewers	Land for irrigation	Marine coastal areas
1	2	3			
		(a)	(b)	(c)	(d)
34.	Radioactive materials :				
	(a) Alpha emitter micro curie/ml.	10^{-7}	10^{-7}	10^{-8}	10^{-7}
	(b) Beta emitter micro curie/ml.	10^{-6}	10^{-6}	10^{-7}	10^{-6}
35.	Bio-assay test	90% survival of fish after 96 hours in 100% effluent	90% survival of fish after 96 hours in 100% effluent	90% survival of fish after 96 hours in 100% effluent	90% survival of fish after 96 hours in 100% effluent
36.	Manganese (as Mn)	2 mg/l	2 mg/l	--	2 mg/l
37.	Iron (as Fe)	3 mg/l	3 mg/l	--	3 mg/l
38.	Vanadium (as V)	0.2 mg/l	0.2 mg/l	--	0.2 mg/l
39.	Nitrate Nitrogen	10 mg/l	--	--	20 mg/l
40.	***	*	*	*	*

मार्ग ५३

¹ Omitted by Rule 2(d)(i) of the Environment (Protection) Third Amendment Rules, 1993 vide Notification No. G.S.R. 801(E) dated 31.12.1993

Stack Monitoring Report

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14010050_01_635
SAMPLE ID: EETNE/APR/06/24

Date: 24/04/2024
ULR NO.:TC766924000000150F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.


Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 19/04/2024 TO 24/04/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	19/04/2024	Stack attached to CEMENT MILL	25.7	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.
ii)		Stack attached to COAL MILL	27.8	

Method of analysis: IS 11255 Part-I

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14010050_01_636

SAMPLE ID: EETNE/APR/06/24

Date: 24/04/2024

ULR NO.:TC766924000000150F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.


Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 18/04/2024 TO 24/04/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	18/04/2024	Stack attached DG Set-1500 KVA	62.9	- DG set is with acoustic enclosure.

Method of analysis: IS 11255 Part-I

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

NABL ACCREDITED

Recognized by Pollution Control Board, Assam

TEST REPORT**STACK ANALYSIS REPORT**

Rep.No. SAR_14030224_07_673

SAMPLE ID: EETNE/MAY/10/24

Date: 27/05/2024

ULR NO.:TC766924000000161F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 22/05/2024 TO 27/05/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	22/05/2024	Stack attached to CEMENT MILL	27.6	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.
ii)		Stack attached to COAL MILL	29.1	


Method of analysis: IS 11255 Part-I

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & Items sample.

ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TC-7669
NABL ACCREDITED

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_674

SAMPLE ID: EETNE/MAY/10/24

Date: 27/05/2024

ULR NO.:TC766924000000161F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 21/05/2024 TO 27/05/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	21/05/2024	Stack attached DG Set-1500 KVA	64.5	- DG set is with acoustic enclosure.

Method of analysis: IS 11255 Part-I

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----



TC-7669

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TEST REPORT**STACK ANALYSIS REPORT**

Rep.No. SAR_14030224_07_735

SAMPLE ID: EETNE/JUNE/12/24

Date: 24/06/2024

ULR NO.:TC766924000000176F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.


Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 18/06/2024 TO 24/06/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	18/06/2024	Stack attached to CEMENT MILL	23.6	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.
ii)		Stack attached to COAL MILL	25.1	


Method of analysis: IS 11255 Part-I

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----



TC-7669

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Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_736

SAMPLE ID: EETNE/JUNE/12/24

Date: 24/06/2024

ULR NO.:TC766924000000176F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 17/06/2024 TO 24/06/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	17/06/2024	Stack attached DG Set-1500 KVA	62.9	- DG set is with acoustic enclosure.

Method of analysis: IS 11255 Part-I

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_750
 SAMPLE ID: EETNE/JULY/03/24

Date: 16/07/2024
 ULR NO.:TC766924000000181F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
 Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
 Dist:Kamrup(M),Assam.


Sample Drawn By : UTPAL BEZBARUAH
 Sampling Plan & Procedure : EETNE/SOP/01
 Analysis Duration : 11/07/2024 TO 16/07/2024
 Sampling Instrument Used : STACK SAMPLER/STACK KIT
 Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	11/07/2024	Stack attached to CEMENT MILL	24.5	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.
ii)		Stack attached to COAL MILL	26.1	

Method of analysis: IS 11255 Part-I

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³


 Khairul Islam Sheikh
 (Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


 Utpal Bezbaruah
 (Technical Manager)
 Authorized /Reviewed by

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-----END OF REPORT-----

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_751
SAMPLE ID: EETNE/JULY/03/24

Date: 16/07/2024
ULR NO.: TC766924000000181F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist: Kamrup(M), Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 10/07/2024 TO 16/07/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	- DG set is with acoustic enclosure.
i)	10/07/2024	Stack attached DG Set- 1500 KVA	61.8	

Method of analysis: IS 11255 Part-I

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TC-7669
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TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_793
SAMPLE ID: EETNE/AUG/07/24

Date: 07/08/2024
ULR NO.:TC766924000000192F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 03/08/2024 TO 07/08/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
i)	03/08/2024	Stack attached to CEMENT MILL	Particulate Matter (mg/Nm ³)	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.
ii)		Stack attached to COAL MILL	23.1	
			25.7	


Method of analysis: IS 11255 Part-I

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TC-7669
NABL ACCREDITED

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_794

SAMPLE ID: EETNE/AUG/07/24

Date: 07/08/2024

ULR NO.:TC766924000000192F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.


Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 02/08/2024 TO 07/08/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	02/08/2024	Stack attached DG Set-1500 KVA	63.7	- DG set is with acoustic enclosure.


Method of analysis: IS 11255 Part-I

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_813

SAMPLE ID: EETNE/SEPT/02/24

Date: 11/09/2024

ULR NO.:TC766924000000197F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 06/09/2024 TO 11/09/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	
i)	06/09/2024	Stack attached to CEMENT MILL	24.7	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.
ii)		Stack attached to COAL MILL	28.1	

Method of analysis: IS 11255 Part-I

Emission Standards :

Category of Industry	Parameter	Standards
Cement	Particulate matter	30mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_07_814

SAMPLE ID: EETNE/SEPT/02/24

TEST REPORT

Date: 11/09/2024

ULR NO.:TC766924000000197F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 05/09/2024 TO 11/09/2024
Sampling Instrument Used : STACK SAMPLER/STACK KIT
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	STACK DESCRIPTION	PARAMETERS	REMARKS
			Particulate Matter (mg/Nm ³)	- DG set is with acoustic enclosure.
i)	05/09/2024	Stack attached DG Set- 1500 KVA	64.8	

Method of analysis: IS 11255 Part-I

Emission Standards :

Parameter	Standards
Particulate matter	75mg/Nm ³


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

AAQ Monitoring Report

Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14010050_01_632
SAMPLE ID: EETNE/APR/06/24

Date: 24/04/2024
ULR NO.: TC766924000000150F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist: Kamrup(M), Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 18/04/2024, 19/04/2024 TO 24/04/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)
i)	18/04/2024	Near Main Gate	Clear	59.2	33.1	19.6	10.7
ii)		Near Cement Mill		59.6	35.2	21.7	10.8
iii)	19/04/2024	Near Electrical Substation		53.6	33.6	18.6	11.7
iv)		Near Truck Tippler		59.1	37.1	26.8	9.6

Remarks: - Parameters are within the permissible limit.
:- Sampling were done under the annual based.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-II/ CPCB	Annual 24 hours	50 80
2	Nitrogen Dioxide (NO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI/ CPCB	Annual 24 hours	40 80
3	Particulate Matter (PM ₁₀), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII/ CPCB	Annual 24 hours	60 100
4	Particulate Matter (PM _{2.5}), $\mu\text{g}/\text{m}^3$	EETNE/SOP/01/2017	Annual 24 hours	40 60

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East Guwahati

Utpal Bezbaruah
(Technical Manager)
Authorized / Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----

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TC-7669

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TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_07_670
SAMPLE ID: EETNE/MAY/10/24

Date: 27/05/2024
ULR NO.:TC766924000000161F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 21/05/2024, 22/05/2024 TO 27/05/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)
i)	21/05/2024	Near Main Gate	Clear	58.2	32.9	15.2	11.7
ii)		Near Cement Mill		62.9	33.8	20.6	12.6
iii)	22/05/2024	Near Electrical Substation		52.9	34.6	19.2	12.1
iv)		Near Truck Tippler		60.2	38.9	27.8	10.7

Remarks: - Parameters are within the permissible limit.
:- Sampling were done under the annual based.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-II/ CPCB	Annual	50
2	Nitrogen Dioxide (NO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI/ CPCB	Annual 24 hours	80
3	Particulate Matter (PM ₁₀), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII/ CPCB	Annual 24 hours	80
4	Particulate Matter (PM _{2.5}), $\mu\text{g}/\text{m}^3$	EETNE/SOP/01/2017	Annual 24 hours	100
			24 hours	40

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)
Authorized/Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

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TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_07_732

SAMPLE ID: EETNE/JUNE/12/24

Date: 24/06/2024

ULR NO.:TC766924000000176F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 17/06/2024, 18/06/2024 TO 24/06/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	17/06/2024	Near Main Gate	Clear	59.6	31.7	13.1	12.6
ii)		Near Cement Mill		60.7	34.7	21.8	11.9
iii)	18/06/2024	Near Electrical Substation		53.7	33.1	20.1	11.2
iv)		Near Truck Tippler		60.9	40.1	26.6	12.1

Remarks: - Parameters are within the permissible limit.
:- Sampling were done under the annual based.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	EETNE/SOP/01/2017	Annual	40
			24 hours	60

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)
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TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_07_747

SAMPLE ID: EETNE/JULY/03/24

Date: 16/07/2024

ULR NO.:TC766924000000181F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 11/07/2024 TO 16/07/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	10/07/2024	Near Main Gate	Clear	51.3	30.7	14.1	13.6
ii)		Near Cement Mill		59.1	31.9	22.6	12.6
iii)	11/07/2024	Near Electrical Substation		50.7	32.8	21.0	13.9
iv)		Near Truck Tippler		58.6	38.7	28.8	14.6

Remarks: - Parameters are within the permissible limit.
:- Sampling were done under the annual based.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	EETNE/SOP/01/2017	Annual	40
			24 hours	60

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)
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TEST REPORT**AMBIENT AIR ANALYSIS REPORT**

Rep.No. AAR_14030224_07_790

SAMPLE ID: EETNE/AUG/07/24

Date: 07/08/2024

ULR NO.:TC766924000000192F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 03/08/2024 TO 07/08/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	NO ₂ ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)
i)	02/08/2024	Near Main Gate	Clear	52.9	32.6	13.9	12.1
ii)		Near Cement Mill		60.8	30.9	20.6	13.6
iii)	03/08/2024	Near Electrical Substation		48.9	31.6	23.1	15.9
iv)		Near Truck Tippler		59.8	37.7	30.6	10.1

Remarks: - Parameters are within the permissible limit.
:- Sampling were done under the annual based.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), $\mu\text{g}/\text{m}^3$	EETNE/SOP/01/2017	Annual	40
			24 hours	60

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Utpal Bezbaruah
(Technical Manager)
Authorized / Reviewed by

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TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_07_810

SAMPLE ID: EETNE/SEPT/02/24

Date: 11/09/2024

ULR NO.:TC766924000000197F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402,
Dist:Kamrup(M),Assam.


Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 06/09/2024 TO 11/09/2024
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	WEATHER	PARAMETERS			
				PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	05/09/2024	Near Main Gate	Clear	53.8	34.6	14.8	13.9
ii)		Near Cement Mill		59.6	32.9	21.1	14.2
iii)	06/09/2024	Near Electrical Substation		51.9	33.8	22.6	11.6
iv)		Near Truck Tippler		60.2	35.3	28.6	12.9

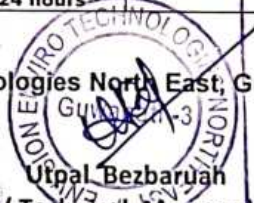
Remarks: - Parameters are within the permissible limit.
:- Sampling were done under the annual based.

NATIONAL AMBIENT AIR QUALITY STANDARDS:

Sl. No.	Pollutant	Test Method	Time Weighted Average	Concentration in Ambient Air Industrial, Residential, Rural and Other Area
1	Sulphur Dioxide (SO ₂), µg/m ³	IS:5182 Part-II/ CPCB	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	EETNE/SOP/01/2017	Annual	40
			24 hours	60


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

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-----END OF REPORT-----

Page 1 of 1

Ambient Noise Level Monitoring Report

Recognized by Pollution Control Board, Assam

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 240424_14010050_06A_634
SAMPLE ID: EETNE/APR/06/24

Date: 24/04/2024
ULR NO.:TC766924000000150F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit), Gopinath Bordoloi
Road, Village: Chamatapathar, Guwahati-782402, Dist:Kamrup(M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
i)	18/04/2024	Near Electrical Substation	70.6	65.1
ii)		Near Truck Tippler	69.1	61.3
iii)	19/04/2024	Near Main Gate	72.6	60.7
iv)		Near Cement Mill	71.9	57.8

Remarks: Noise level is carried out during 75% of the Day Time and Night Time.
Method of analysis : IS : 9989 :1981 RA:2014
Sampling Instrument Used : SLM100 SLNO484-I-22, SLM 100 (213 DTC-2013)

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Ambient Noise Standards:


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati

Upal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 240527_14030224_07_672
SAMPLE ID: EETNE/MAY/10/24

Date: 27/05/2024
ULR NO.:TC766924000000161F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit), Gopinath Bordoloi
Road, Village: Chamatapathar, Guwahati-782402, Dist:Kamrup(M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
i)	21/05/2024	Near Electrical Substation	69.3	64.5
ii)		Near Truck Tippler	70.1	62.1
iii)	22/05/2024	Near Main Gate	73.6	60.5
iv)		Near Cement Mill	74.2	71.3

Remarks: Noise level is carried out during 75% of the Day Time and Night Time.
Method of analysis : IS : 9989 :1981 RA:2014
Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



TC-7669

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AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 240624_14030224_07_734
SAMPLE ID: EETNE/JUNE/12/24

Date: 24/06/2024
ULR NO.:TC766924000000176F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit), Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402, Dist:Kamrup(M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
i)	17/06/2024	Near Electrical Substation	68.6	63.6
ii)		Near Truck Tippler	71.2	61.2
iii)	18/06/2024	Near Main Gate	72.9	64.7
iv)		Near Cement Mill	73.6	70.1

Remarks: Noise level is carried out during 75% of the Day Time and Night Time.

Method of analysis : IS : 9989 :1981 RA:2014

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & Items sample.

ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 240716_14030224_07_749
SAMPLE ID: EETNE/JULY/03/24

Date: 16/07/2024
ULR NO.: TC766924000000181F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit), Gopinath Bordoloi
Road, Village: Chamatapathar, Guwahati-782402, Dist: Kamrup (M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A) Leq	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
i)	10/07/2024	Near Electrical Substation	67.2	60.9
ii)		Near Truck Tippler	70.3	62.6
iii)	11/07/2024	Near Main Gate	69.8	60.7
iv)		Near Cement Mill	71.6	69.2

Remarks: Noise level is carried out during 75% of the Day Time and Night Time.

Method of analysis : IS : 9989 :1981 RA:2014

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.

ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 240807_14030224_07_792
SAMPLE ID: EETNE/AUG/07/24

Date: 07/08/2024
ULR NO.:TC766924000000192F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit), Gopinath Bordoloi
Road, Village: Chamatapathar, Guwahati-782402, Dist:Kamrup(M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
i)	02/08/2024	Near Electrical Substation	66.9	61.9
ii)		Near Truck Tippler	72.6	60.6
iii)	03/08/2024	Near Main Gate	68.7	57.9
iv)		Near Cement Mill	70.1	64.7

Remarks: Noise level is carried out during 75% of the Day Time and Night Time.

Method of analysis : IS : 9989 :1981 RA:2014

Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.

ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Recognized by Pollution Control Board, Assam

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 240911_14030224_07_812
SAMPLE ID: EETNE/SEPT/02/24

Date: 11/09/2024
ULR NO.:TC766924000000197F

Issued to : M/s. Star Cement Ltd. (Guwahati Grinding Unit), Gopinath Bordoloi Road, Village: Chamatapathar, Guwahati-782402, Dist:Kamrup(M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION /SOURCE	NOISE LEVEL in dB(A)Leq	
			Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
i)	05/09/2024	Near Electrical Substation	65.2	60.2
ii)		Near Truck Tippler	71.4	61.5
iii)	06/09/2024	Near Main Gate	69.6	59.2
iv)		Near Cement Mill	72.8	65.8

Remarks: Noise level is carried out during 75% of the Day Time and Night Time.
Method of analysis : IS : 9989 :1981 RA:2014
Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

Ambient Noise Standards:

Area Code	Category of area	Limits in dB(A) Leq	
		Day (6:00 am to 10:00 pm)	Night (10:00 pm to 6:00 am)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Fugitive Emission Analysis Report



TC-7669

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FUGITIVE EMISSION ANALYSIS REPORT

Rep.No. 240424_14010050_01_633

SAMPLE ID: EETNE/APR/06/24

Date: 24/04/2024

ULR NO.: TC766924000000150F

Name & Address:

M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road,
Village: Chamatapathar,
Guwahati-782402,
Dist: Kamrup (M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	18/04/2024	Near Packing Yard	890	-Water spraying is done to control the fugitive emission.
ii)	19/04/2024	Near Fly Ash Yard	940	-All materials are stored in closed sheds to mitigate fugitive emission.

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB

Instrument used= RDS

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati



Upal Bezbaruan
(Technical Manager)
Authorized/Reviewed by

Note: i) The results relate to the tested parameters & items sample.

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-----END OF REPORT-----



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FUGITIVE EMISSION ANALYSIS REPORT

Rep.No. 240527_14030224_07_671
SAMPLE ID: EETNE/MAY/10/24

Date: 27/05/2024
ULR NO.:TC766924000000161F

Name & Address:

M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road,
Village: Chamatapathar,
Guwahati-782402,
Dist: Kamrup (M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	21/05/2024	Near Packing Yard	927	-Water spraying is done to control the fugitive emission.
ii)	22/05/2024	Near Fly Ash Yard	985	-All materials are stored in closed sheds to mitigate fugitive emission.

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS

Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati



Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & Items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----




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FUGITIVE EMISSION ANALYSIS REPORTRep.No. 240624_14030224_07_733
SAMPLE ID: EETNE/JUNE/12/24Date: 24/06/2024
ULR NO.:TC766924000000176F**Name & Address:**M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road,
Village: Chamatapathar,
Guwahati-782402,
Dist: Kamrup (M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	17/06/2024	Near Packing Yard	950	-Water spraying is done to control the fugitive emission.
ii)	18/06/2024	Near Fly Ash Yard	930	-All materials are stored in closed sheds to mitigate fugitive emission.

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS
Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed byNote: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----



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FUGITIVE EMISSION ANALYSIS REPORT

Rep.No. 240716_14030224_07_748
SAMPLE ID: EETNE/JULY/03/24

Date: 16/07/2024
ULR NO.:TC766924000000181F

Name & Address:

M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road,
Village: Chamatapathar,
Guwahati-782402,
Dist: Kamrup (M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	10/07/2024	Near Packing Yard	959	-Water spraying is done to control the fugitive emission.
ii)	11/07/2024	Near Fly Ash Yard	945	-All materials are stored in closed sheds to mitigate fugitive emission.

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS


Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed by

Note: i) The results relate to the tested parameters & items sample.
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-----END OF REPORT-----




TC-7669

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FUGITIVE EMISSION ANALYSIS REPORTRep.No. 240807_14030224_07_791
SAMPLE ID: EETNE/AUG/07/24Date: 07/08/2024
ULR NO.: TC766924000000192F**Name & Address:**M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road,
Village: Chamatapathar,
Guwahati-782402,
Dist: Kamrup (M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	02/08/2024	Near Packing Yard	976	-Water spraying is done to control the fugitive emission.
ii)	03/08/2024	Near Fly Ash Yard	902	-All materials are stored in closed sheds to mitigate fugitive emission.

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS
Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized / Reviewed byNote: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

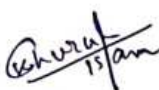


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TC-7669

FUGITIVE EMISSION ANALYSIS REPORT**NABLACCREDITED**Rep.No. 240911_14030224_07_811
SAMPLE ID: EETNE/SEPT/02/24Date: 11/09/2024
ULR NO.:TC766924000000197F**Name & Address:**M/s. Star Cement Ltd. (Guwahati Grinding Unit)
Gopinath Bordoloi Road,
Village: Chamatapathar,
Guwahati-782402,
Dist: Kamrup (M), Assam.

SL. NO.	DATE OF SAMPLING	LOCATION/ SOURCE	Fugitive (SPM) ($\mu\text{g}/\text{m}^3$)	Remarks
i)	05/09/2024	Near Packing Yard	982	-Water spraying is done to control the fugitive emission.
ii)	06/09/2024	Near Fly Ash Yard	933	-All materials are stored in closed sheds to mitigate fugitive emission.

Method used for Fugitive= IS 5182(PART IV) 1999/CPCB
Instrument used= RDS
Khairul Islam Sheikh
(Environmental Chemist)

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized /Reviewed byNote: i) The results relate to the tested parameters & items sample.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

-----END OF REPORT-----

Water Analysis Report



TC-7669

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Recognized by Pollution Control Board, Assam

TEST REPORT:

Report No: 240426_14030224_0

ULR No: TC766924000000261P

Sample ID: EETNE/APRIL/11/24

Test Starting Date: 19/04/24

Date of Report: 26/04/24

Date of sample receipt: 18/04/24

Test completion Date: 26/04/24

Name & Address of Client	M/s. Star Cement Ltd., (Guwahati Grinding Unit) Gopinath Bordoloi Road,Vill-Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.				
Sample Description	Type: Drinking Water			Source: RO Water	
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 18/04/24	Time 01:20 P.M	Temperature 30°C	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	pH	---	7.31	APHA 23 rd Edition 2017,4500 H ⁺ B, Page:4-95 / IS 3025 (Part 11) Electrometric Method	6.5-8.5	No relaxation
2	Turbidity	NTU	0.5	IS 3025 (Part 10) Nephelometric Method	1.0	5.0
3	TDS	mg/L	216.2	IS 3025 (Part 16)	500	2000
4	Total hardness	mg/L	145	IS 3025 (Part 21)	200	600
5	Calcium	mg/L	37.2	IS 3025 (Part 40) EDTA Titrimetric Method	75	200
6	Magnesium	mg/L	6.8	IS 3025 (Part 46)	30	100
7	Total Alkalinity	mg/L	181	IS 3025 (Part 23)	200	600
8	Dissolved Oxygen	mg/L	7.2	APHA 23 rd Edition 2017,4500-O C,Page:4-146	---	---



TC-7669

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Report No: 240426_14030224_0
Sample ID: EETNE/MARCH/11/24

Date of Report: 26/04/24
Date of sample receipt: 18/04/24

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
9	Chloride	mg/L	19.3	APHA 23 rd Edition 2017,4500-Cl ⁻ B,Page:4-75	250	1000
10	Sulphate	mg/L	18.3	APHA 23 rd Edition 2017,4500-SO ₄ ²⁻ E,Page:4-199	200	400
11	Nitrate	mg/L	4.1	APHA 23 rd Edition 2017,4500-NO ₃ ⁻ B,Page:4-127	45	No relaxation
12	Fluoride	mg/L	0.42	APHA 23 rd Edition 2017,4500-F ⁻ D,Page:4-90	1.0	1.5
13	Copper	mg/L	0.045	APHA 23 rd Edition 2017,3111 B,Page:3-20	0.05	1.5
14	Iron(as Fe)	mg/L	0.133	APHA 23 rd Edition 2017,3500-Fe B,Page:3-80	0.3	No relaxation
15	Cadmium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.003	No relaxation
16	Lead	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.01	No relaxation
17	Zinc	mg/L	0.146	APHA 23 rd Edition 2017, 3111 B,Page:3-20	5	15
18	Total Chromium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.05	No relaxation
19	Manganese	mg/L	0.053	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.1	0.3
20	Selenium	mg/L	BDL	APHA 23 rd Edition 2017, 3114 B,Page:3-36	0.01	No relaxation
21	Arsenic	mg/L	BDL	APHA 23 rd Edition 2017,3114 B,Page:3-36	0.01	0.05

NOTE: BDL (Below Detection Limit), TDS (Total Dissolved Solids)

For Envision Enviro Technologies North East, Guwahati

KHAIRUL ISLAM SHEIKH
Environmental Chemist
Test done by

UTPAL BEZBARUAH
Technical Manager
Authorized Signatory / Reviewed By

Note: i) The results relate only to the parameters tested.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of report



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TEST REPORT:

Report No: 240531_14030224_0

ULR No: TC766924000000331P

Sample ID: EETNE/MAY/22/24

Test Starting Date: 22/05/24

Date of Report: 31/05/24

Date of sample receipt: 21/05/24

Test completion Date: 31/05/24

Name & Address of Client	M/s. Star Cement Ltd., (Guwahati Grinding Unit) Gopinath Bordoloi Road,Vill-Chatatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.				
Sample Description	Type: Drinking Water			Source: RO Water	
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 21/05/24	Time 01:40 P.M	Temperature 32°C	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

SI No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	pH	---	7.39	APHA 23 rd Edition 2017, 4500 H ⁺ B, Page:4-95 / IS 3025 (Part 11) Electrometric Method	6.5-8.5	No relaxation
2	Turbidity	NTU	0.6	IS 3025 (Part 10) Nephelometric Method	1.0	5.0
3	TDS	mg/L	207.18	IS 3025 (Part 16)	500	2000
4	Total hardness	mg/L	149.2	IS 3025 (Part 21)	200	600
5	Calcium	mg/L	38.6	IS 3025 (Part 40) EDTA Titrimetric Method	75	200
6	Magnesium	mg/L	7.22	IS 3025 (Part 46)	30	100
7	Total Alkalinity	mg/L	117.4	IS 3025 (Part 23)	200	600
8	Dissolved Oxygen	mg/L	6.9	APHA 23 rd Edition 2017, 4500-O C, Page:4-146	---	---



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TC-7669

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Report No: 240531_14030224_0
Sample ID: EETNE/MAY/22/24

Date of Report: 31/05/24
Date of sample receipt: 21/05/24

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
9	Chloride	mg/L	21.68	APHA 23 rd Edition 2017,4500-Cl ⁻ B,Page:4-75	250	1000
10	Sulphate	mg/L	16.92	APHA 23 rd Edition 2017,4500-SO ₄ ²⁻ E,Page:4-199	200	400
11	Nitrate	mg/L	3.14	APHA 23 rd Edition 2017,4500-NO ₃ ⁻ B,Page:4-127	45	No relaxation
12	Fluoride	mg/L	0.32	APHA 23 rd Edition 2017,4500-F ⁻ D,Page:4-90	1.0	1.5
13	Copper	mg/L	0.027	APHA 23 rd Edition 2017,3111 B,Page:3-20	0.05	1.5
14	Iron(as Fe)	mg/L	0.13	APHA 23 rd Edition 2017,3500-Fe B,Page:3-80	0.3	No relaxation
15	Cadmium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.003	No relaxation
16	Lead	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.01	No relaxation
17	Zinc	mg/L	0.151	APHA 23 rd Edition 2017, 3111 B,Page:3-20	5	15
18	Total Chromium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.05	No relaxation
19	Manganese	mg/L	0.036	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.1	0.3
20	Selenium	mg/L	BDL	APHA 23 rd Edition 2017, 3114 B,Page:3-36	0.01	No relaxation
21	Arsenic	mg/L	BDL	APHA 23 rd Edition 2017,3114 B,Page:3-36	0.01	0.05

NOTE: BDL (Below Detection Limit), TDS (Total Dissolved Solids)

For Envision Enviro Technologies North East, Guwahati


KHAIRUL ISLAM SHEIKH
Environmental Chemist
Test done by


UTPAL BEZBARUAH
Technical Manager
Authorized Signatory / Reviewed By

Note: i) The results relate only to the parameters tested.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of report



TEST REPORT:

Report No: 240626_14030224_0

ULR No: TC766924000000363P

Sample ID: EETNE/JUNE/24/24

Test Starting Date: 18/06/24

Date of Report: 26/06/24

Date of sample receipt: 17/06/24

Test completion Date: 26/06/24

Name & Address of Client		M/s. Star Cement Ltd., (Guwahati Grinding Unit) Gopinath Bordoloi Road,Vill-Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.			
Sample Description		Type: Drinking Water		Source: RO Water	
Sample collected by		M/s. En-vision Enviro Technologies North East			
Sample Collection Particulars		Date 17/06/24	Time 02:40 P.M	Temperature 31°C	Quantity Drawn:4L
		Sampling Method: EETNE/SOP/02			

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	pH	---	7.29	APHA 23 rd Edition 2017,4500 H ⁺ B, Page:4-95 / IS 3025 (Part 11) Electrometric Method	6.5-8.5	No relaxation
2	Turbidity	NTU	0.4	IS 3025 (Part 10) Nephelometric Method	1.0	5.0
3	TDS	mg/L	209.32	IS 3025 (Part 16)	500	2000
4	Total hardness	mg/L	143.6	IS 3025 (Part 21)	200	600
5	Calcium	mg/L	36.4	IS 3025 (Part 40) EDTA Titrimetric Method	75	200
6	Magnesium	mg/L	6.14	IS 3025 (Part 46)	30	100
7	Total Alkalinity	mg/L	112.8	IS 3025 (Part 23)	200	600
8	Dissolved Oxygen	mg/L	6.6	APHA 23 rd Edition 2017,4500-O C,Page:4-146	---	---



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Report No: 240626_14030224_0
Sample ID: EETNE/JUNE/24/24

Date of Report: 26/06/24
Date of sample receipt: 17/06/24

SI No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
9	Chloride	mg/L	20	APHA 23 rd Edition 2017, 4500-Cl ⁻ B, Page: 4-75	250	1000
10	Sulphate	mg/L	17.8	APHA 23 rd Edition 2017, 4500-SO ₄ ²⁻ E, Page: 4-199	200	400
11	Nitrate	mg/L	3.7	APHA 23 rd Edition 2017, 4500-NO ₃ ⁻ B, Page: 4-127	45	No relaxation
12	Fluoride	mg/L	0.38	APHA 23 rd Edition 2017, 4500-F D, Page: 4-90	1.0	1.5
13	Copper	mg/L	0.036	APHA 23 rd Edition 2017, 3111 B, Page: 3-20	0.05	1.5
14	Iron(as Fe)	mg/L	0.128	APHA 23 rd Edition 2017, 3500-Fe B, Page: 3-80	0.3	No relaxation
15	Cadmium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B, Page: 3-20	0.003	No relaxation
16	Lead	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B, Page: 3-20	0.01	No relaxation
17	Zinc	mg/L	0.141	APHA 23 rd Edition 2017, 3111 B, Page: 3-20	5	15
18	Total Chromium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B, Page: 3-20	0.05	No relaxation
19	Manganese	mg/L	0.048	APHA 23 rd Edition 2017, 3111 B, Page: 3-20	0.1	0.3
20	Selenium	mg/L	BDL	APHA 23 rd Edition 2017, 3114 B, Page: 3-36	0.01	No relaxation
21	Arsenic	mg/L	BDL	APHA 23 rd Edition 2017, 3114 B, Page: 3-36	0.01	0.05

NOTE: BDL (Below Detection Limit), TDS (Total Dissolved Solids)

For Envision Enviro Technologies North East, Guwahati

[Signature]

KHAIRUL ISLAM SHEIKH
Environmental Chemist
Test done by



UTPAL BEZBARUAH
Technical Manager
Authorized Signatory / Reviewed By

Note: i) The results relate only to the parameters tested.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of report

**TEST REPORT:**

Report No: 240624_14030224_01

ULR No: TC766924000000364F

Sample ID: EETNE/JUNE/25/24

Test Starting Date: 18/06/24

Date of Report: 24/06/24

Date of sample receipt: 17/06/24

Test completion Date: 24/06/24


Name & Address of Client	M/s. Star Cement Ltd.,(Guwahati Grinding Unit),Gopinath Bordoloi Road,Vill-Chatamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam				
Sample Description	Type: Waste water		Source: STP (Inlet)		
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 17/06/24	Time 12.30 P.M	Temperature 31°C	Quantity Drawn:2L	Sampling Method: EETNE/SOP/02

SN	Parameter	Unit	Result	Method Followed by
1	pH	---	5.32	APHA 23 rd Edition 2017, 4500-H ⁺ B, Page no: 4-95 / IS 3025 (Part 11) Electrometric Method
2	TSS	mg/L	156.41	APHA 23 rd Edition 2017, 2540 D, Page no. 2-70
3	BOD	mg/L	118.8	APHA 23 rd Edition 2017, 5210 B, Page no: 5-6 / IS 3025 (Part 44)
4	COD	mg/L	259.4	APHA 23 rd Edition 2017, 5220 B, Page no: 5-18
5	OIL & GREASE	mg/L	10.8	APHA 23 rd Edition 2017, 5520 B, Page no. 5-42
6	COLOUR	HU	12	APHA 23 rd Edition 2017, 2120 B Page no. 2-6
7	ODOUR	TON	6	APHA 23 rd Edition 2017, 2150 B Page no. 2-16

Note : (TSS) Total Suspended Solids, (BOD) Biochemical Oxygen Demand, (COD) Chemical Oxygen Demand, (HU) Hazen Unit, (TON) Threshold Odour No.

For Envision Enviro Technologies North East


Khairul Islam Shekish
 Environmental Chemist
 Test Done By


Utpal Bezbaruah
 Technical Manager
 Authorized Signatory / Reviewed By

Note: i) The results relate only to the parameters tested and item sampled.

ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of Report



TEST REPORT:

Report No: 240624_14030224_02

ULR NO-TC76692400000365F

Sample ID No:EETNE/JUNE/26/24

Test Starting Date: 18/06/24

Date of Report: 24/06/24

Date of Sample Receipt: 17/06/24

Test completion Date: 24/06/24

Name & Address of Client	M/s. Star Cement Ltd.,(Guwahati Grinding Unit),Gopinath Bordoloi Road,Vill-Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.				
Sample Description	Type: Waste water			Source: STP (Outlet)	
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 17/06/24	Time 12:45 P.M	Temperature 31°C	Quantity Drawn:2L	Sampling Method: EETNE/SOP/02

SN	Parameter	Unit	Result	Method Followed by	Permissible Limit (CPCB)
1	pH	---	7.66	APHA 23 rd Edition 2017,4500-H ⁺ B, Page no: 4-95 / IS 3025 (Part 11) Electrometric Method	6.5-9.0
2	TSS	mg/L	58.4	APHA 23 rd Edition 2017, 2540 D, Page no. 2-70	100
3	BOD	mg/L	14.6	APHA 23 rd Edition 2017, 5210 B, Page no:5-6 / IS 3025 (Part 44)	30
4	COD	mg/L	32.82	APHA 23 rd Edition 2017,5220 B, Page no:5-18	250
5	OIL & GREASE	mg/L	1.8	APHA 23 rd Edition 2017, 5520 B, Page no. 5-42	10
6	COLOUR	HU	1	APHA 23 rd Edition 2017, 2120 B Page no. 2-6	--
7	ODOUR	TON	NDO	APHA 23 rd Edition 2017, 2150 B Page no. 2-16	--

Note : (TSS) Total Suspended Solids, (BOD) Biochemical Oxygen Demand, (COD) Chemical Oxygen Demand, (HU) Hazen Unit, (TON) Threshold Odour No , (NDO) No Detectable Odour

For Envision Enviro Technologies North East

Khairul Islam Sheikh
Environmental Chemist
Test Done By

Utpal Bezbaruah
Technical Manager
Authorized Signatory/Reviewed By

Note: i) The results relate only to the parameters tested and item sampled.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of Report



TC-7669

NABL ACCREDITED

Recognized by Pollution Control Board, Assam

TEST REPORT:

Report No: 240716_14030224_0

ULR No: TC766924000000375P

Sample ID: EETNE/JULY/06/24

Test Starting Date: 10/07/24

Date of Report: 16/07/24

Date of sample receipt: 10/07/24

Test completion Date: 16/07/24

Test completion Date: 16/07/24					
Name & Address of Client	M/s. Star Cement Ltd., (Guwahati Grinding Unit) Gopinath Bordoloi Road,Vill-Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.				
Sample Description	Type: Drinking Water			Source: RO Water	
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 10/07/24	Time 11:30 A.M	Temperature 32°C	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	pH	---	7.23	APHA 23 rd Edition 2017,4500 H ⁺ B, Page:4-95 / IS 3025 (Part 11) Electrometric Method	6.5-8.5	No relaxation
2	Turbidity	NTU	0.4	IS 3025 (Part 10) Nephelometric Method	1.0	5.0
3	TDS	mg/L	206.18	IS 3025 (Part 16)	500	2000
4	Total hardness	mg/L	145	IS 3025 (Part 21)	200	600
5	Calcium	mg/L	34.2	IS 3025 (Part 40) EDTA Titrimetric Method	75	200
6	Magnesium	mg/L	6.17	IS 3025 (Part 46)	30	100
7	Total Alkalinity	mg/L	111.5	IS 3025 (Part 23)	200	600
8	Dissolved Oxygen	mg/L	6.2	APHA 23 rd Edition 2017,4500-O C,Page:4-146	---	---



TC-7669

NABL ACCREDITED

Recognized by Pollution Control Board, Assam


Report No: 240716_14030224_0
Sample ID: EETNE/JULY/06/24

Date of Report: 16/07/24
Date of sample receipt: 10/07/24

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
9	Chloride	mg/L	20.3	APHA 23 rd Edition 2017,4500-Cl ⁻ B,Page:4-75	250	1000
10	Sulphate	mg/L	16.4	APHA 23 rd Edition 2017,4500-SO ₄ ²⁻ E,Page:4-199	200	400
11	Nitrate	mg/L	3.2	APHA 23 rd Edition 2017,4500-NO ₃ ⁻ B,Page:4-127	45	No relaxation
12	Fluoride	mg/L	0.32	APHA 23 rd Edition 2017,4500-F ⁻ D,Page:4-90	1.0	1.5
13	Copper	mg/L	0.031	APHA 23 rd Edition 2017,3111 B,Page:3-20	0.05	1.5
14	Iron(as Fe)	mg/L	0.127	APHA 23 rd Edition 2017,3500-Fe B,Page:3-80	0.3	No relaxation
15	Cadmium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.003	No relaxation
16	Lead	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.01	No relaxation
17	Zinc	mg/L	0.137	APHA 23 rd Edition 2017, 3111 B,Page:3-20	5	15
18	Total Chromium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.05	No relaxation
19	Manganese	mg/L	0.042	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.1	0.3
20	Selenium	mg/L	BDL	APHA 23 rd Edition 2017, 3114 B,Page:3-36	0.01	No relaxation
21	Arsenic	mg/L	BDL	APHA 23 rd Edition 2017,3114 B,Page:3-36	0.01	0.05

NOTE: BDL (Below Detection Limit), TDS (Total Dissolved Solids)

For Enviro Technologies North East, Guwahati


KHAIRUL ISLAM SHEIKH
Environmental Chemist
Test done by



UTPAL BEZBARUAH
Technical Manager
Authorized Signatory /Reviewed By

Note: i) The results relate only to the parameters tested.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of report

TEST REPORT:

Report No: 240808_14030224_0

ULR No: TC766924000000380F

Sample ID: EETNE/AUG/01_A/24

Test Starting Date: 02/08/24

Date of Report: 08/08/24

Date of sample receipt: 02/08/24

Test completion Date: 08/08/24

Name & Address of Client		M/s. Star Cement Ltd., (Guwahati Grinding Unit) Gopinath Bordoloi Road,Vill-Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.			
Sample Description		Type: Drinking Water		Source: RO Water	
Sample collected by		M/s. En-vision Enviro Technologies North East			
Sample Collection Particulars		Date 02/08/24	Time 10:50 A.M	Temperature 31°C	Quantity Drawn:4L
		Sampling Method: EETNE/SOP/02			

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	pH	---	7.41	APHA 23 rd Edition 2017, 4500 H ⁺ B, Page:4-95 / IS 3025 (Part 11) Electrometric Method	6.5-8.5	No relaxation
2	Turbidity	NTU	0.3	IS 3025 (Part 10) Nephelometric Method	1.0	5.0
3	TDS	mg/L	198.4	IS 3025 (Part 16)	500	2000
4	Total hardness	mg/L	140.62	IS 3025 (Part 21)	200	600
5	Calcium	mg/L	32.11	IS 3025 (Part 40) EDTA Titrimetric Method	75	200
6	Magnesium	mg/L	5.92	IS 3025 (Part 46)	30	100
7	Total Alkalinity	mg/L	108.4	IS 3025 (Part 23)	200	600
8	Dissolved Oxygen	mg/L	6.1	APHA 23 rd Edition 2017, 4500-O C, Page:4-146	---	---

Recognized by Pollution Control Board, Assam

Report No: 240808_14030224_0
Sample ID: EETNE/AUG/01_A/24

Date of Report: 08/08/24
Date of sample receipt: 02/08/24

SI No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
9	Chloride	mg/L	19.4	APHA 23 rd Edition 2017,4500-Cl ⁻ B,Page:4-75	250	1000
10	Sulphate	mg/L	15.1	APHA 23 rd Edition 2017,4500-SO ₄ ²⁻ E,Page:4-199	200	400
11	Nitrate	mg/L	3	APHA 23 rd Edition 2017,4500-NO ₃ ⁻ B,Page:4-127	45	No relaxation
12	Fluoride	mg/L	0.37	APHA 23 rd Edition 2017,4500-F ⁻ D,Page:4-90	1.0	1.5
13	Copper	mg/L	0.027	APHA 23 rd Edition 2017,3111 B,Page:3-20	0.05	1.5
14	Iron(as Fe)	mg/L	0.11	APHA 23 rd Edition 2017,3500-Fe B,Page:3-80	0.3	No relaxation
15	Cadmium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.003	No relaxation
16	Lead	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.01	No relaxation
17	Zinc	mg/L	0.121	APHA 23 rd Edition 2017, 3111 B,Page:3-20	5	15
18	Total Chromium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.05	No relaxation
19	Manganese	mg/L	0.036	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.1	0.3
20	Selenium	mg/L	BDL	APHA 23 rd Edition 2017, 3114 B,Page:3-36	0.01	No relaxation
21	Arsenic	mg/L	BDL	APHA 23 rd Edition 2017,3114 B,Page:3-36	0.01	0.05

NOTE: BDL (Below Detection Limit), TDS (Total Dissolved Solids)

For Envision Enviro Technologies North East, Guwahati



KHAIRUL ISLAM SHEIKH
Environmental Chemist
Test done by



UTPAL BEZBARUAH
Technical Manager
Authorized Signatory / Reviewed By

Note: i) The results relate only to the parameters tested.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of report



TEST REPORT:

Report No: 240912_14030224_0

ULR No: TC766924000000453F

Sample ID: EETNE/SEP/24/24

Test Starting Date: 06/09/24

Date of Report: 12/09/24

Date of sample receipt: 05/09/24

Test completion Date: 12/09/24

Name & Address of Client	M/s. Star Cement Ltd., (Guwahati Grinding Unit) Gopinath Bordoloi Road,Vill-Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.				
Sample Description	Type: Drinking Water			Source: RO Water	
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 05/09/24	Time 11:10 A.M	Temperature 32°C	Quantity Drawn:4L	Sampling Method: EETNE/SOP/02

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
1	pH	---	7.17	APHA 23 rd Edition 2017,4500 H ⁺ B, Page:4-95 / IS 3025 (Part 11) Electrometric Method	6.5-8.5	No relaxation
2	Turbidity	NTU	0.2	IS 3025 (Part 10) Nephelometric Method	1.0	5.0
3	TDS	mg/L	191.6	IS 3025 (Part 16)	500	2000
4	Total hardness	mg/L	147.89	IS 3025 (Part 21)	200	600
5	Calcium	mg/L	33.56	IS 3025 (Part 40) EDTA Titrimetric Method	75	200
6	Magnesium	mg/L	6.32	IS 3025 (Part 46)	30	100
7	Total Alkalinity	mg/L	16.4	IS 3025 (Part 23)	200	600
8	Dissolved Oxygen	mg/L	6.4	APHA 23 rd Edition 2017,4500-O C,Page:4-146	---	---

Recognized by Pollution Control Board, Assam


Report No: 240912_14030224_0
Sample ID: EETNE/SEP/24/24


Date of Report: 12/09/24
Date of sample receipt: 05/09/24

Sl No.	Parameters	Unit	Result	Reference Method	IS 10500: 2012	
					Acceptable limit	Permissible limit
9	Chloride	mg/L	17.5	APHA 23 rd Edition 2017,4500-Cl ⁻ B,Page:4-75	250	1000
10	Sulphate	mg/L	13.2	APHA 23 rd Edition 2017,4500-SO ₄ ²⁻ E,Page:4-199	200	400
11	Nitrate	mg/L	2.35	APHA 23 rd Edition 2017,4500-NO ₃ ⁻ B,Page:4-127	45	No relaxation
12	Fluoride	mg/L	0.25	APHA 23 rd Edition 2017,4500-F ⁻ D,Page:4-90	1.0	1.5
13	Copper	mg/L	0.018	APHA 23 rd Edition 2017,3111 B,Page:3-20	0.05	1.5
14	Iron(as Fe)	mg/L	0.11	APHA 23 rd Edition 2017,3500-Fe B,Page:3-80	0.3	No relaxation
15	Cadmium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.003	No relaxation
16	Lead	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.01	No relaxation
17	Zinc	mg/L	0.118	APHA 23 rd Edition 2017, 3111 B,Page:3-20	5	15
18	Total Chromium	mg/L	BDL	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.05	No relaxation
19	Manganese	mg/L	0.021	APHA 23 rd Edition 2017, 3111 B,Page:3-20	0.1	0.3
20	Selenium	mg/L	BDL	APHA 23 rd Edition 2017, 3114 B,Page:3-36	0.01	No relaxation
21	Arsenic	mg/L	BDL	APHA 23 rd Edition 2017,3114 B,Page:3-36	0.01	0.05

NOTE: BDL (Below Detection Limit), TDS (Total Dissolved Solids)

For Envision Enviro Technologies North East, Guwahati


KHAIRUL ISLAM SHEIKH
Environmental Chemist
Test done by


UTPAL BEZBARUAH
Technical Manager
Authorized Signatory /Reviewed By

Note: i) The results relate only to the parameters tested.
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End of report

Recognized by Pollution Control Board, Assam

TC-7669

NABL ACCREDITED

TEST REPORT:

Report No: 240910_14030224_01

ULR No: TC766924000000454F

Sample ID: EETNE/SEP/25/24

Test Starting Date: 06/09/24

Date of Report: 10/09/24


Date of sample receipt: 05/09/24

Test completion Date: 10/09/24


Name & Address of Client	M/s. Star Cement Ltd.,(Guwahati Grinding Unit),Gopinath Bordoloi Road,Vill- Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam				
Sample Description	Type: Waste water			Source: STP (Inlet)	
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 05/09/24	Time 11.50 A.M	Temperature 32°C	Quantity Drawn:2L	Sampling Method: EETNE/SOP/02

SN	Parameter	Unit	Result	Method Followed by
1	p ^H	---	5.39	APHA 23 rd Edition 2017,4500-H ⁺ B, Page no: 4-95 / IS 3025 (Part 11) Electrometric Method
2	TSS	mg/L	148.4	APHA 23 rd Edition 2017, 2540 D, Page no. 2-70
3	BOD	mg/L	115.6	APHA 23 rd Edition 2017, 5210 B, Page no:5-6 / IS 3025 (Part 44)
4	COD	mg/L	260.57	APHA 23 rd Edition 2017,5220 B, Page no:5-18
5	OIL & GREASE	mg/L	10.52	APHA 23 rd Edition 2017, 5520 B, Page no. 5-42
6	COLOUR	HU	11	APHA 23 rd Edition 2017, 2120 B Page no. 2-6
7	ODOUR	TON	7	APHA 23 rd Edition 2017, 2150 B Page no. 2-16

Note : (TSS) Total Suspended Solids, (BOD) Biochemical Oxygen Demand, (COD) Chemical Oxygen Demand, (HU) Hazen Unit, (TON) Threshold Odour No.


Khairul Islam Shekish
Environmental Chemist
Test Done By

For Envision Enviro Technologies North East


Utpal Bezbaruah
Technical Manager
Authorized Signatory / Reviewed By

Note: i) The results relate only to the parameters tested and item sampled.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

End of Report

TEST REPORT:


Report No: 240910_14030224_02
ULR NO-TC76692400000455F
Sample ID No: EETNE/SEP/26/24
Test Starting Date: 06/09/24

Date of Report: 10/09/24
Date of Sample Receipt: 05/09/24
Test completion Date: 10/09/24


Name & Address of Client	M/s. Star Cement Ltd.,(Guwahati Grinding Unit),Gopinath Bordoloi Road,Vill-Chamatapathar, Dist-Kamrup(M), Guwahati-782402, Assam.				
Sample Description	Type: Waste water			Source: STP (Outlet)	
Sample collected by	M/s. En-vision Enviro Technologies North East				
Sample Collection Particulars	Date 05/09/24	Time 12:10 P.M	Temperature 32°C	Quantity Drawn:2L	Sampling Method: EETNE/SOP/02

SN	Parameter	Unit	Result	Method Followed by	Permissible Limit (CPCB)
1	p ^H	---	7.59	APHA 23 rd Edition 2017,4500-H ⁺ B, Page no: 4-95 / IS 3025 (Part 11) Electrometric Method	6.5-9.0
2	TSS	mg/L	51.23	APHA 23 rd Edition 2017, 2540 D, Page no. 2-70	100
3	BOD	mg/L	15.76	APHA 23 rd Edition 2017, 5210 B, Page no:5-6 / IS 3025 (Part 44)	30
4	COD	mg/L	33.24	APHA 23 rd Edition 2017,5220 B, Page no:5-18	250
5	OIL & GREASE	mg/L	1.24	APHA 23 rd Edition 2017, 5520 B, Page no. 5-42	10
6	COLOUR	HU	1	APHA 23 rd Edition 2017, 2120 B Page no. 2-6	--
7	ODOUR	TON	NDO	APHA 23 rd Edition 2017, 2150 B Page no. 2-16	--

Note : (TSS) Total Suspended Solids, (BOD) Biochemical Oxygen Demand, (COD) Chemical Oxygen Demand, (HU) Hazen Unit, (TON) Threshold Odour No, (NDO) No Detectable Odour


Khairul Islam Sheikh
Environmental Chemist
Test Done By

For Envision Enviro Technologies North East


Utpal Bezbaruah
-Technical Manager
Authorized Signatory/Reviewed By

Note: i) The results relate only to the parameters tested and item sampled.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.
_____End of Report_____

Calibration Certificate

CALIBRATION REPORT

Customer Details

Customer Name & Address	M/s. Star Cement Ltd Gopinath Bordoloi Road, Vill. Chamata Pathar, P.O. & P.S Sonapur , Kamrup(M), Assam			
Instrument/Model	Vayubodhan Stack Sampler VSS1	Serial no.	244 DTI 13	
Date of Calibration	15/09/2023	Due Date	14/09/2024	
Certificate No.	VBI/416/2023-24	Temperature	30°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial No.	Model/Type	Authority	Certificate No.	Validity
Rotameter	PGG16894	0-60 LPM	FCRI	CA12452210413	06/10/2023
Rotameter	PGG16895	0-6 LPM	FCRI	CA12452210412	06/10/2023
Digital Pressure Meter/ Manometer	VBI-VM-01	Testo (mmHg)	BELZ	40096374	10/10/2023
Digital Pressure Meter/ Manometer	VBI-DM-01	Testo (mmH ₂ O)	BELZ	40096372	10/10/2023
Vernier caliper	VBI-VR-01 (X0801201823)	Digital	BELZ	10033879	11/10/2023
Pyrometer (K-Type)	VBI-K-01	Digital	BELZ	20044805	12/10/2023
StopWatch	VBI-S-01	Digital	BELZ	20044806	12/10/2023

For Vayubodhak India


(Authority Signatory)



VAYU BODHAK INDIA

Plot No 15, Sector 27B,
Faridabad, Haryana - 121003

Manufacture and Traders of Pollution Monitoring Instruments

CALIBRATION READING

Digital Manometer (S.No. 244)

#	Test Reading (mmH ₂ O)	Master Reading (mmH ₂ O)	Calibration Factor
1.	16	16.2	1.01
2.	32	31.9	1.00
3.	48	48.4	1.01
4.	64	64.3	1.00
5.	80	80.3	1.00

Rotameter (0 - 3 LPM SI.No.H13C136)

#	Test Reading (LPM)	Master Reading (LPM)	Calibration Factor
1.	0.50	0.56	1.12
2.	1.00	0.96	0.96
3.	1.50	1.44	0.96
4.	2.00	1.94	0.97
5.	2.50	2.50	1.00
6.	3.00	3.02	1.01

Rotameter (0 - 30 LPM E13B336)

#	Test Reading (LPM)	Master Reading (LPM)	Calibration Factor
1.	5	4.6	0.92
2.	10	9.6	0.96
3.	15	15.6	1.04
4.	20	19.8	0.99
5.	25	24.6	0.98
6.	30	29.6	0.99

Pyrometer (K-Type) (S.No. 244)

#	Test Reading (°C)	Master Reading (°C)	Calibration Factor
1.	26	26	1.00
2.	100	100	1.00
3.	200	200	1.00
4.	300	300	1.00
5.	400	400	1.00
6.	500	501	1.00

Vacuum Gauge (For PM)

#	Test Reading (mmHg)	Master Reading mmHg	Calibration Factor
1.	50	53.0	1.06
2.	100	103.6	1.04

Vacuum Gauge (For Gas)

1.	50	53.2	1.06
2.	100	103.4	1.03

Nozzle

#	Nozzle (inch)	Test Reading (mm)
1.	1/8	3.17
2.	1/4	6.32
3.	3/8	9.66

StopWatch (S.No. 244)

#	Test Reading (min)	Master Reading (min)
1.	10M:34.38S	10M:34.38S
2.	18M:28.41S	18M:28.41S

Prepared By: A Anand

Calibrated By: Roshan

Certificate No: VBI/416/2023-24



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CALIBRATION REPORT

Customer Details

Customer Name & Address	M/s. Star Cement Ltd Gopinath Bordoloi Road, Vill. Chamata Pathar, P.O. & P.S Sonapur, Kamrup(M), Assam			
Instrument/Model	PITOT TUBE (0.6+0.6Mtr)	Serial no.	VM 49	
Date of Calibration	20/09/2023	Due Date	19/09/2024	
Certificate No.	VBI/416A/2023-24	Temperature	30°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial No.	Model/Type	Authority	Certificate No.	Validity
Pitot Static Tube	001	Pitot Static Tube	FCRI	CAW20132301151	09/01/2024
Digital Pressure Meter/ Manometer	VBI-DM-02	Testo (mmH ₂ O)	BELZ	40096373	10/10/2023
Digital Pressure Meter/ Manometer	VBI-DM-01	Testo (mmH ₂ O)	BELZ	40096372	10/10/2023

Calibration Readings

#	Standard Pitot –Static Probe	Velocity Probe under Calibration	
	Dynamic Pressure h (mm/WC)	Pressure Difference H (mm/WC)	Coefficient K
1	22.0	28.0	0.873
2	28.3	37.3	0.858
3	34.3	46.3	0.848
Average value of the velocity coefficient of the probe: K = 0.857			

Prepared By: A. Anand

Calibrated By: Roshan

For Vayubodhak India

(Authority Signatory)



CALIBRATION REPORT

Customer Details

Customer Name & Address	M/s. Star Cement Ltd Gopinath Bordoloi Road, Vill. Chamata Pathar, P.O. & P.S Sonapur, Kamrup(M), Assam			
Instrument/Model	RESPIRABLE DUST SAMPLER APM 460NL	Serial no.	1363 DTE 2016	
Date of Calibration	15/09/2023	Due Date	14/09/2024	
Certificate No.	VBI/408/2023-24	Temperature	30°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial no.	Model/Type	Authority	Certificate No.	Validity
Top Loading Orifice	VBI-TL-01	-	FCRI	CA12452210414	06/10/2023
Digital Pressure Meter/ Manometer	VBI-DM-01	Testo (mmH ₂ O)	BELZ	40096372	10/10/2023
Time Totalizer	VBI-TT-01	Digital	BELZ	20044807	12/10/2023

CALIBRATION READING

Orifice -1363

#	Test Reading (m ³ /Min)	Master Reading (mmH ₂ O)	Master Reading (m ³ /Min)	Calibration Factor
1.	0.650	28	0.648	1.00
2.	0.840	47	0.840	1.00
3.	0.990	71	1.032	1.04
4.	1.080	80	1.096	1.01
5.	1.180	94	1.188	1.01

Time Totalizer - 1363

#	Test Reading (Hr)	Master Reading (Hr)	Calibration Factor
1.	0.42	0.42	1.00

Prepared By: *A. Prasad*

Calibrated By: *Roshan*

For Vayubodhak India

(Signature)
(Authority Signatory)



CALIBRATION REPORT

Customer Details

Customer Name & Address	M/s. Star Cement Ltd Gopinath Bordoloi Road, Vill. Chamata Pathar, P.O. & P.S Sonapur , Kamrup(M), Assam			
Instrument/Model	FINE PARTICULATE SAMPLER APM 550	Serial no.	1673DTE2016	
Date of Calibration	14/09/2023	Due Date	13/09/2024	
Certificate No.	VBI/410/2023-24	Temperature	30°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial No.	Model/Type	Authority	Certificate No.	Validity
Rotameter	PGG16894	0-60 LPM	FCRI	CA12452210413	06/10/2023
Time Totalizer	VBI-TT-01	Digital	BELZ	20044807	12/10/2023
StopWatch	VBI-S-01	Digital	BELZ	20044806	12/10/2023

Calibration Reading

Time Totalizer (Sr. No. 1673)

#	Test Reading (Hr)	Master Reading (Hr)	Calibration Factor
1.	0.41	0.41	1.00

Dry Gas Meter (Sr. No.151001661)

#	Test Reading (LPM)	Master Reading (LPM)	Calibration Factor
1.	10	9.86	0.99
2.	20	19.95	1.00
3.	30	29.97	1.00

Prepared By: A. Anand

Calibrated By: Roshan

For Vayubodhak India


(Authority Signatory)



Photographs of water sprinkling with water tank at loading and unloading points.





Star Cement Ltd. (Guwahati Grinding Unit)

Photographs of road sweeper machine during cleaning of loading and unloading points.



Greenbelt Development Details

Greenbelt Development Details

Sl.No	YEAR	TYPE	NO. of Plant Planted,	Species of Plant Planted,
1	December 2011 to March 2014	Trees	1330	Kadam, Neem ,Krishana sura, Ashoka, Mango, Litchi, Radha sura, Emily, Jamun, Sonaru, Gomari, Nahar, Chandan ,Teek, Amlokhi, Silikha, Guava,etc.
		Seasonal Flower	500	Calendula,Sunflower, Cineraria, Marigold, Hasnahana, Pelocia, Gagonia, Rose, Dahalia, Madhabilota, Bottle Plam, Vogan vila etc.
		Shurbs	700	Duranta, Hamilia, Nerium, Murrya, Acalypha etc.
		Grass	31000	Carpet Grass & Local Grass.
2	April 2014 to January 2015	Trees	3800	Kadam, Neem ,Krishansura, Ashoka. Mango, Litchi, Radhasura, Emily, Jamun, Sonaru, Gomari, Nahar, Chandan , Teek, Amlokhi, Silikha, Guava,etc.
		Seasonal Flower	130	Calendula,Sunflower, Cineraria, Marigold, Hasnahana, Pelocia, Gagonia, Rose, Dahalia, Madhabilota, Bottle Plam, Vogan vila etc.
		Shurbs	250	Duranta, Hamilia, Murrya, Acalypha etc.
		Grass	7570	Carpet Grass & Local Grass
3	January 2015 to March 2015	Trees	140	Kadam, Neem ,Krishansura, Ashoka. Mango, Litchi, Radhasura, Emily, Jamun, Sonaru, Gomari, Nahar, Chandan , Teek, Amlokhi, Silikha, Guava,etc.
		Seasonal Flower		
		Shurbs	110	Bakul & bottle Plam
		Grass	4700	Carpet Grass & Local Grass
4	April 2015 to August 2015	Trees	1855	Kadam, Neem ,Krishana sura, Ashoka, Mango, Litchi, Radha sura, Emily, Jamun, Sonaru, Gomari, Nahar, Chandan ,Teek, Amlokhi, Silikha, Guava,etc.
		Seasonal Flower		
		Shurbs	80	Bakul & bottle Plam
		Grass		
5	August 2015 to Dec 2015	Seasonal Flower	1501	Marigold,Dalia & Lucky bamboo
6	January 2016 to June 2016	Trees	19575	Amara,Amalakhi,Arjun,Ashoka,Bel,Bhelkar,Bhomora,Bogori,Bonsum,Bor,T hekara,Ejar,Gamari,Ghora,Neem,Madhuriaam,Hollong,Jamunm,Kadam,Kam ini,Kanchan,Kardoi,Kathal,Lemon,Khakan,madar,Nahor,Neem,Orange,Oute nga,Palash,Poma,Rawab,Tenga,Sajina,Segun,Semul,Silikha,Siris,Sisoo,San aru,Teteli,Titachap,Tejpat
		Shurbs	450	Bakul
		Grass	75	Bamboo
7	Ocyober-2017 to July 2018	Seasonal Flower	3102	Marigold,Dalia & Lucky bamboo
		Trees	28000	Kadam, Neem ,Krishana sura, Ashoka, Mango, Litchi,radhasura,emily,jamun,sonaru,gomari,nahar,chandan,teek,amlokhi,si likha,guava etc.
		Red chandan	7	
		Grass	150	
8	June 2019 to September 2019	Trees	24468	Kaju,teteli,Modhuriam,Mongo,Lemon,Neem,jamun,Amlokhi,Silikha.
9	March 2020 to March, 2022	Trees	25000	Madhurium,Litchi, Mango,Jamun,Emily,Sonaru,Silikha,Amlokhi,Neem.
10	April, 2022 to March, 2023	Trees	29683	Kadam, Neem ,Krishana sura, Ashoka, Mango, Litchi,radhasura,emily,jamun,sonaru,gomari,nahar,chandan,teek,amlokhi,si likha,guava etc.
Total Trees (Nos)			133951	
Total Area (Ha)			5.94	

Photographs of Greenbelt Development





Star Cement Ltd. (Guwahati Grinding Unit)



ANNEXURE-V

CREP

Compliance to Corporate Responsibility for Environmental Protection (CREP)

S. No.	Corporate Responsibility for Environmental Protection (CREP)	Compliance to CREP
1	<p>Cement Plants, which are not complying* with notified standards, shall do the following to meet the standards:</p> <ul style="list-style-type: none"> • Augmentation of existing Air Pollution Control Devices — by July 2003 • Replacement of existing Air Pollution Control Devices — by July 2004 	<p>Star Cement Limited (SCL) is complying with notified standards.</p> <ul style="list-style-type: none"> • The Grinding Unit has installed high efficiency Bag House and Bag Filters for Cement Mill and Coal Mill and other pollution control equipments were already installed in the plant to reduce the stack emission from various source so that it does not exceed 30 mg/Nm³. • The entire chimneys has been installed with height as per CPCB guidelines. • Latest State of the art technology Pollution Control Equipment (PCE) has been installed at all sections to control emission levels to the prescribed limits. • Interlocking facility has been provided, so that in the event of failure of any pollution control equipment adopted by the unit, the unit shall be immediately put out of operation and the respective unit is shut down automatically.
2	<p>Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm³.</p>	<p>The location of the Grinding Unit is neither in critically polluted area nor in urban area. However, the unit has installed Air Pollution Control equipment with particulate emission of less than 30mg/Nm³.</p>
3	<p>The new cement kilns to be accorded NOC/Environmental Clearance w.e.f. 01.04.2003 will meet the limit of 50 mg/Nm³ for particulate matter emissions.</p>	<p>Not Applicable to this project as the unit is a Clinker Grinding Unit.</p>
4	<p>CPCB will evolve load based standards by December 2003.</p>	<p>The Grinding Unit has complied with load based standards.</p>

5	CPCB and NCBM will evolve SO ₂ and NO _x emission standards by June 2004.	The unit has complied with SO ₂ and NO _x emission standards as per MoEFCC standards and its subsequent amendments.
6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	The Grinding Unit has implemented pollution control measures to control fugitive emissions from all the sections such as unloading section, material handling section including transfer points, clinker storage section etc., by putting these facilities in closed circuit and installation of pulse jet bag filters.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003.	N/A
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003.	<p>The unit has already installed continuous online monitoring equipment.</p> <p>The continuous stack emission and ambient air monitoring system is on working condition and online data has been connected to CPCB & SPCB in regular basis in link-</p> <p>Stack Emission monitoring data- https://glens.glensserver.com/</p> <p>Ambient Air Analysis data- http://www.pcba.rtdas.in/</p>
9	Trippings in kiln ESP to be minimized by July 2003 as per the recommendation of NTF.	Not Applicable to this project as the unit is a Clinker Grinding Unit.
10	Industries will submit the target date to enhance the utilization of waste material	<p>The Grinding Unit has been utilizing the waste material such as domestic solid waste and used lube oil in the plant is being sold to authorized vendors.</p> <ul style="list-style-type: none"> • Sewage Treatment Plant (STP) is already installed in the plant as stipulated. • We have already placed dust bins in front of

	by April 2003.	<p>our residential colony and industry area.</p> <ul style="list-style-type: none">• Generated all the municipal solid waste for residential colony and industry is being disposed off.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	Not Applicable as the project is Clinker Grinding Unit.
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003.	Not Applicable as the project is a Clinker Grinding Unit.

* Non complying units shall give bank guarantee to respective SPCBs.

Rain Water Harvesting Details





Occupational Health Check-up Report

SL No	NAME	Date	AGE	COMPANY	DEPARTMENT	ECG	PFT	AUDIOM ETRY	BLOOD	AFB
1	PROFUL TARU	30-05-2024	41	SENEL	ADMINISTRATION	N	N	N	N	N
2	RAJIB RABHA	30-05-2024	33	SENEL	ADMINISTRATION	N	N	N	N	N
3	AJIT KUMAR	30-05-2024	35	SENEL	CIVIL	N	N	N	N	N
4	M.D. JAVED ANSARI	30-05-2024	28	SENEL	CIVIL	N	N	N	N	N
5	JITUMANI DAS	30-05-2024	45	SENEL	CIVIL	N	N	N	N	N
6	PARAG BHATTACHARJEE	30-05-2024	27	SCL	ELECTRICAL	N	N	N	N	N
7	PABITRA SARKAR	30-05-2024	35	SCL	ELECTRICAL	N	N	N	N	N
8	ANKUSH DAS	30-05-2024	21	SCL	ELECTRICAL	N	N	N	N	N
9	KRISHNA SAIMARY	30-05-2024	48	SCL	SECURITY GAURD	N	N	N	N	N
10	DHURBA JYOTIS SHARMA	30-05-2024	24	SCL	ELECTRICAL	N	N	N	N	N
11	RAJU PRASAD	30-05-2024	53	SCL	AUTOMOBILE	N	N	N	N	N
12	PREMNATH THIGARAJ	30-05-2024	38	SCNEL	CIVIL	N	N	N	N	N
13	CHANDAN GOSH	30-05-2024	34	SCNEL	CIVIL	N	N	N	N	N
14	SURESH KUMAR PARIDAR	30-05-2024	34	BUILDWELL	CIVIL	N	N	N	N	N
15	KRISHANA MOHAN RAO	30-05-2024	47	BUILDWLL	CIVIL	N	N	N	N	N
16	RAJKUMAR BISHWAS	30-05-2024	30	BUILDWLL	CIVIL	N	N	N	N	N
17	SUBODH RANJAN DAS	30-05-2024	45	SCL	PROCESS	N	N	N	N	N
18	LALIT BAHADUR DARJI	30-05-2024	48	SCL	PROCESS	N	N	N	N	N
19	AURUN CHANDRA BORO	30-05-2024	41	BUILDWELL	CIVIL	N	N	N	N	N
20	SARVESH KUMAR	30-05-2024	27	BUILDWELL	CIVIL	N	N	N	N	N
21	NIRANJAN DAS	30-05-2024	47	SCL	CIVIL	N	N	N	N	N
22	SUMIT KUMAR SING	30-05-2024	48	BUILDWELL	CIVIL	N	N	N	N	N
23	SATISH KUMAR PATEL	30-05-2024	23	BUILDWELL	CIVIL	N	N	N	N	N
24	SATIH KUMAR RAI	30-05-2024	31	BUILDWELL	ELECTRICAL	N	N	N	N	N
25	SOURAV MONDAL	30-05-2024	34	BUILDWELL	CIVIL	N	N	N	N	N
26	SONU PRITAM	30-05-2024	28	BUILDWELL	CIVIL	N	N	N	N	N
27	SAMIR MUBULI	30-05-2024	35	BUILDWELL	MECHNICAL	N	N	N	N	N
28	RAJESH KUMAR	30-05-2024	33	BUILDWELL	CIVIL	N	N	N	N	N
29	NANTU SARKAR	30-05-2024	26	SCL	CIVIL	N	N	N	N	N
30	MANTU THAKURIA	30-05-2024	39	SCL	CIVIL	N	N	N	N	N
31	CHANDAN BHUMIJ	30-05-2024	26	SCL	MECHNICAL	N	N	N	N	N
32	BABLU KUMAR MADHESIYS	30-05-2024	36	BUILDWELL	CIVIL	N	N	N	N	N
33	BIPUL KALITA	30-05-2024	37	SCL	CONTRACTOR	N	N	N	N	N
34	DHANESH KUMAR	30-05-2024	35	BUILDWELL	CIVIL	N	N	N	N	N
35	SIBOROM GARO	30-05-2024	26	SCL	MECHNICAL	N	N	N	N	N
36	GANESH RAMANY	30-05-2024	51	SCL	ADMINISTRATION	N	N	N	N	N
37	BIJAY ROY	30-05-2024	43	SCL	ELECTRICAL	N	N	N	N	N
38	BIJAY MAHANTA	30-05-2024	34	SCL	QUALITY CONTROL	N	N	N	N	N
39	PRASHANTA DUTTA	30-05-2024	48	SCL	ADMINISTRATION	N	N	N	N	N
40	GIRISH KUMAR	31-05-2024	34	SCL	STORE	N	N	N	N	N

N.B. : Not for Medico Legal Purpose. Result need to be Co-related with Clinical findings for the final diagnosis

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41	SUBRATA SCHANDA	31-05-2024	47	SCL	ELE	N	N	N	N	N
42	PUNYA DAS	31-05-2024	34	SCL	ADMIN	N	N	N	N	N
43	SATHSH DAS	31-05-2024	37	SCL	AUTOMOBILE	N	N	N	N	N
44	BHASKAR KUMAR SINGH	31-05-2024	60	SCL	SND	N	N	N	N	N
45	BADIRIRAM YADEV	31-05-2024	35	SCL	STORE	N	N	N	N	N
46	RAKESH PRAHAPATI	31-05-2024	45	SCL	STORE	N	N	N	N	N
47	PROMA RAHANKG	31-05-2024	51	SCL	PACKING	N	N	N	N	N
48	DHARMASHWAR CH. KALITA	31-05-2024	37	SCNEL	STORE	N	N	N	N	N
49	RAMLAL BISWAS	31-05-2024	40	SCL	PACKING	N	N	N	N	N
50	LILA KALITA	31-05-2024	45	SCL	STORE	N	N	N	N	N
51	BIMAL ENGTI	31-05-2024	28	SCL	PACKING	N	N	N	N	N
52	NIRMAL DAS	31-05-2024	26	SCL	CIVIL	N	N	N	N	N
53	BIPUL KARMAKAR	31-05-2024	43	SCL	CIVIL	N	N	N	N	N
54	DHIMAH SAHA	31-05-2024	31	SCNEL	CIVIL	N	N	N	N	N
55	DHIRAJ BHUYAN	31-05-2024	43	SCL	STORE	N	N	N	N	N
56	BISHWARAHDAW RAM	31-05-2024	29	SCL	STORE	N	N	N	N	N
57	AJIT KUMAR	31-05-2024	28	SCNEL	SND	N	N	N	N	N
58	ANKUR CHAUDHARASIYA	31-05-2024	43	SCNEL	SND	N	N	N	N	N
59	RAKESH GILHARE	31-05-2024	31	SCNEL	STORE	N	N	N	N	N
60	MANOJ KR. DAS	31-05-2024	26	SCNEL	STORE	N	N	N	N	N
61	RATUL DAS	31-05-2024	24	GIJU	STORE	N	N	N	N	N
62	DIPU DEKA	31-05-2024	36	BUILD WELL	DRIVER	N	N	N	N	N
63	JITENDRA KUMAR	31-05-2024	37	SCL	ADIMS	N	N	N	N	N
64	DHANJIT RAHANG	31-05-2024	27	DESTINY	HELPER	N	N	N	N	N
65	BUSWASJIT KATHAR	31-05-2024	24	DESTINY	ADMIT	N	N	N	N	N
66	GOJEN TARO	31-05-2024	25	DESTINY	ADMIT	N	N	N	N	N
67	GOKUL BHOJEL	31-05-2024	36	DESTINY	ADMIT	N	N	N	N	N
68	ANANDA DEKA	31-05-2024	40	SHANTI ENGINEER	MECHANIC	N	N	N	N	N
69	RAKESH BORAH	31-05-2024	45	SHANTI ENGINEER	MECHANIC	N	N	N	N	N
70	PRASANTA DEKA	31-05-2024	36	SHANTI ENGINEER	MECHANIC	N	N	N	N	N
71	ARUP DAS	31-05-2024	39	SHANTI ENGINEER	MECHANIC	N	N	N	N	N
72	JINTU KOWAR	31-05-2024	29	BHARMAPUTRA	SECURITY GAURD	N	N	N	N	N
73	KANHIYA CHAVHAN	31-05-2024	22	SMISMURPAL	ADMIT	N	N	N	N	N
74	DIPANKAR BORO	31-05-2024	29	SENEL	ADMIT	N	N	N	N	N
75	DIPAK DEKA	31-05-2024	40	SINDHIBINAYAN	Q C.	N	N	N	N	N
76	SAGAR DAS	31-05-2024	21	DPR	Q C.	N	N	N	N	N
77	BULBUL DEKA	31-05-2024	35	SIDDHI VINAYAKONSTR	Q & C.	N	N	N	N	N
78	NITIL DEKA	31-05-2024	20	SIDDHIVINAYAK CONSTR	Q & C.	N	N	N	N	N
79	BIKRAM BORO	31-05-2024	21	SIDDI VINAYAK CONSTER	ADMIT	N	N	N	N	N
80	DEBASIR GOGOI	31-05-2024	21	BHARMAPUTRA	SECURITY	N	N	N	N	N

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81	DIPANKAR DAS	31-05-2024	25	BHARMAPUTRA	SECURITY	N	N	N	N	N
82	NAYAN KALITA	31-05-2024	22	SCL	DPR	N	N	N	N	N
83	ANKUR BARMAN	31-05-2024	26	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
84	PRASNNA CHARUVEDI	31-05-2024	52	SCNEL	G.M.	N	N	N	N	N
85	JAYAUTA SHARMA	31-05-2024	37	SCL	E & I	N	N	N	N	N
86	GITUMONI BORDOLOI	31-05-2024	25	SCL	SECURITY	N	N	N	N	N
87	PRANKHANTA BHOYAN	31-05-2024	34	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
88	UTTAM CHUTIA	31-05-2024	25	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
89	DIPJYOUTI DAS	31-05-2024	26	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
90	SATYAJIT DODOI	31-05-2024	32	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
91	TILAK BEZ	31-05-2024	31	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
92	NAYANMONI BHUYAN	31-05-2024	22	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
93	SAURABH KUMAR	31-05-2024	34	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
94	NAKUL RAY	31-05-2024	25	SCL	E & I	N	N	N	N	N
95	BISWAJIT NATH	31-05-2024	41	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
96	TRISHNA NATH	31-05-2024	31	SCL	S & D	N	N	N	N	N
97	SACHENDRA KUMAR	31-05-2024	32	SCL	E & I	N	N	N	N	N
98	JYOUTISH KUMAR NATH	31-05-2024	25	SCL	E & I	N	N	N	N	N
99	BINUD CH. DAS	31-05-2024	25	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
100	KANISHAKA INGTI	31-05-2024	29	RANUKA SECURITY SER.	SECURITY	N	N	N	N	N
101	NABAKRISNA LAHON	31-05-2024	21	BHAMPUTRA	SECURITY	N	N	N	N	N
102	RINKU LASKAR	31-05-2024	30	BHAMPUTRA	SECURITY	N	N	N	N	N
103	JAVED MIYA	31-05-2024	25	KAPSH CARRYING	LOADER	N	N	N	N	N
104	APUL HAZARIKA	31-05-2024	27	CORPORATION	SECURITY	N	N	N	N	N
105	LAKHI RAM BORO	31-05-2024	28	BRAMAPUTRA	SECURITY	N	N	N	N	N
106	NIRJAN GOGOI	31-05-2024	20	C.S.S.C	SECURITY	N	N	N	N	N
107	DIBYAJYOUTI BEL	31-05-2024	20	BHARMAPUTRA	SECURITY	N	N	N	N	N
108	RIICKY SONOWAL	31-05-2024	20	BHRAMAPUTRA	SECURITY	N	N	N	N	N
109	TOJOL RABHA	31-05-2024	19	BHMARAPUTRA	SECURITY	N	N	N	N	N
110	BIKASH NATH	31-05-2024	27	BHMARAPUTRA	SECURITY	N	N	N	N	N
111	RAJU SING	31-05-2024	34	SCNEL	MECHANICAL	N	N	N	N	N
112	BHUPANDRA SING	31-05-2024	26	SCNEL	EHS	N	N	N	N	N
113	CHANDAN PATEL	01-06-2024	26	SCNEL	SAFETY	N	N	N	N	N
114	GAGAN KUMAR SONI	01-06-2024	47	SCNEL	SAFETY	N	N	N	N	N
115	SAIYED AZAL AHMED	01-06-2024	31	SCNEL	SAFETY	N	N	N	N	N
116	BHABESH DAS	01-06-2024	35	SCNEL	CIVIL	N	N	N	N	N
117	BINANDI MANDAL	01-06-2024	47	SCL	CIVIL	N	N	N	N	N
118	JINTU TAKULDAR	01-06-2024	24	SCL	CIVIL	N	N	N	N	N
119	DHRAJ KALITA	01-06-2024	33	SCL	CIVIL	N	N	N	N	N
120	JATINDRA KU. KALITA	01-06-2024	57	SCL	SECURITY	N	N	N	N	N



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❖ Laboratory

❖ X-ray

❖ USG

121	MONJIT BASFOR	01-06-2024	29	SCL	HOUSEKEEPING	N	N	N	N	N
122	NARESH KUMAR	01-06-2024	30	SCL	MECHANICAL	N	N	N	N	N
123	JANTU MORAN	01-06-2024	24	SCL	MECHANICAL	N	N	N	N	N
124	SRIMANTA DEKA	01-06-2024	40	SCL	MECHANICAL	N	N	N	N	N
125	PINKU DEKA	01-06-2024	40	SCL	MECHANICAL	N	N	N	N	N
126	KIRAN DAIMARI	01-06-2024	30	BRAHUMAPUTRA	SECURITY	N	N	N	N	N
127	BOLEN DAS	01-06-2024	23	BRAHUMAPUTRA	SECURITY	N	N	N	N	N
128	DEBU SHARMA	01-06-2024	40	SCNEL	H.R.	N	N	N	N	N
129	SANJIB BARUAH	01-06-2024	36	SCNEL	H.R.	N	N	N	N	N
130	DHIRAJ CH. DAS	01-06-2024	53	SCNEL	H.R.	N	N	N	N	N
131	AMARJIT CHOUDHARI	01-06-2024	49	SCNEL	H.R.	N	N	N	N	N
132	BIDYUT BORA	01-06-2024	26	SCL	S & D	N	N	N	N	N
133	CACHIDANAND TIWARI	01-06-2024	42	SCL	S & D	N	N	N	N	N
134	DULEN DAS	01-06-2024	30	SCL	CIVIL	N	N	N	N	N
135	CHAMPAK SHARMA	01-06-2024	46	SCNEL	CIVIL	N	N	N	N	N
136	ARUN KR. DEY	01-06-2024	44	SCL	AUTOMOBILE	N	N	N	N	N
137	SANBIN RABHA	01-06-2024	35	SCL	AUTOMOBILE	N	N	N	N	N
138	GAURANGA BORDOLOI	01-06-2024	34	SCL	MECHANICAL	N	N	N	N	N
139	VCHHAESAHA	01-06-2024	28	SCL	SECURITY	N	N	N	N	N
140	SHAIKH IQBAL	01-06-2024	54	SCNEL	CIVIL	N	N	N	N	N
141	SUBRATA MANDAL	01-06-2024	33	SCNEL	MACANICAL	N	N	N	N	N
142	RAHUL DAS	01-06-2024	24	BHARMAPUTRA	S & D	N	N	N	N	N
143	GOPAL BORAH	01-06-2024	31	SCL	SECURITY	N	N	N	N	N
144	BHABESH KALITA	01-06-2024	44	SCL	EHS	N	N	N	N	N
145	RAJU SING	01-06-2024	38	SCL	S & D	N	N	N	N	N
146	BINOD KU. SRIVASTAVA	01-06-2024	39	SCNEL	ADMIT	N	N	N	N	N
147	WAHEDURAHMAN	01-06-2024	48	SCL	S & D	N	N	N	N	N
148	AKTAR ALI	01-06-2024	30	SCL	SECURITY	N	N	N	N	N
149	GYAN BAHADUR DARJI	01-06-2024	22	SCL	SECURITY	N	N	N	N	N
150	SURAJ KUMAR	01-06-2024	45	SCL	MECHANICAL	N	N	N	N	N
151	MONMITA CARPINLES	01-06-2024	23	SCNEL	SOND D	N	N	N	N	N
152	DR. PRANAB SAIKIA	01-06-2024	41	SCL	HR	N	N	N	N	N
153	UJJAL KAOWAR	01-06-2024	66	SCL	ADMIN	N	N	N	N	N
154	SIMANTA PUMUNG	01-06-2024	28	SECURITY	ADMIN	N	N	N	N	N
155	KULRN SING	01-06-2024	22	SCL	CIVIL	N	N	N	N	N
156	RAJ KUMAR SHARMA	01-06-2024	36	SCL	AUTOMOBILE	N	N	N	N	N
157	ANUP KUMAR DEKA	01-06-2024	46	SCL	S & D	N	N	N	N	N
158	NAWJWR BASUMATARI	01-06-2024	27	SUSHUPAL	SECURITY	N	N	N	N	N
159	DHANANJOY BASUMATARI	01-06-2024	22	S & IB	SECURITY	N	N	N	N	N
160	SIMANG RABHA	01-06-2024	34	S & IB	SECURITY	N	N	N	N	N



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161	JANMONI DEKA	01-06-2024	29	CSSCS	SECURITY	N	N	N	N	N
162	SURESH KUMAR	01-06-2024	26	CSSCS	SECURITY	N	N	N	N	N
163	BIPIN KUMAR	01-06-2024	20	CANTEEN	SERVICE	N	N	N	N	N
164	MANIIDIN AHMED	01-06-2024	23	CANTEEN	COOK	N	N	N	N	N
165	RITESH KUMAR SING	01-06-2024	24	CSSCS	SECURITY	N	N	N	N	N
166	PRONAG MONDAL	01-06-2024	47	SCL	S & D	N	N	N	N	N
167	DIWAKAR KUMAR SING	01-06-2024	30	SIDDI VINDAYAR	MECHANICAL	N	N	N	N	N
168	SHATRA DAS	01-06-2024	22	BABUL PATHAR	S & D	N	N	N	N	N
169	SANJAY DEKA	01-06-2024	36	M/S BABUL PATHAR	SECURITY	N	N	N	N	N
170	SONU ULLAH	01-06-2024	27	M/S BABUL PATHAR	MECHANICAL	N	N	N	N	N
171	NAZRUL ISLAM	01-06-2024	40	SCL	S & D	N	N	N	N	N
172	MAJIBAR RAHMAN	01-06-2024	36	SCL	S & D	N	N	N	N	N
173	SANOJ KR. SAH	01-06-2024	21	SCL	S & D	N	N	N	N	N
174	BARABABU SING	01-06-2024	32	SCL	SPAFETY	N	N	N	N	N
175	AMRANDRA SRIVASTAV	01-06-2024	3	ANTEEN	SPAFETY	N	N	N	N	N
176	DAVID-S-KHONGSIT	01-06-2024	48	CENIVS	S & D	N	N	N	N	N
177	SAGARMAL SHARMA	01-06-2024	60	SCL	MECHANICAL	N	N	N	N	N
178	TRIWIJOT SINGH	01-06-2024	22	SCL	OWNER	ND	N	N	N	N
179	RAJIB BORA	01-06-2024	35	SCL	EHS	N	N	N	N	N
180	VINOD PRASAD SING	01-06-2024	49	SCL	MECHANICAL	N	N	N	N	N
181	BILBESWAR TALUKDAR	01-06-2024	60	SCL	S & D	N	N	N	N	N
182	AKHIL PATOR	01-06-2024	23	SCL	ADMIT	N	N	N	N	N
183	BIRAJ BISWAS	01-06-2024	21	CSSCS	S & D	N	N	N	N	N
184	NEELKUMAR DEKA	01-06-2024	22	SSCS	SECURITY	N	N	N	N	N
185	DEEPIYOUTI MADARIKA	01-06-2024	36	SSCS	SECURITY	N	N	N	N	N
186	PANKAJ BORAH	01-06-2024	27	SSCS	S & D	N	N	N	N	N
187	SIYARAM SAHU	01-06-2024	55	SCL	ADMIS	N	N	N	N	N
188	KABIR HUSSAIN	01-06-2024	23	G R ENTREPRICE	S & D	N	N	N	N	N
189	MOHCHIN AHMED	01-06-2024	39	MD ZAKIR	S & D	N	N	N	N	N
190	SAMAD MIYA	01-06-2024	24	S.R. ENTERPRISE	ADMIS	N	N	N	N	N
191	JAHDUL ISLAM	01-06-2024	30	SCL	MECHANICAL	N	N	N	N	N
192	PARVEEN KUMAR	01-06-2024	44	SCL	S & D	N	N	N	N	N
193	ABHISHEK KUMAR	01-06-2024	25	MD ZAKIR	S & D	N	N	N	N	N
194	MAIDUL ISLAM	01-06-2024	19	MD ZAKIR	MECHANICAL	N	N	N	N	N
195	SHAHR KHAN	01-06-2024	19	SCL	MECHANICAL	N	N	N	N	N
196	MANOJ DAS	01-06-2024	35	SCL	MECHANICAL	N	N	N	N	N
197	PRATYUSH KUMAR	01-06-2024	28	SCL	ADMIT	N	N	N	N	N
198	ANKIT SING	01-06-2024	31	SCL	AUTOMOBILE	N	N	N	N	N
199	SUMIT MISHRA	01-06-2024	24	SCL	STORE	N	N	N	N	N
200	SANJITRAU DAS	01-06-2024	40	SCL	SCL	N	N	N	N	N



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❖ X-ray

❖ USG

201	RATVL MALAKAR	01-06-2024	39	SCL	SCL	N	N	N	N	N
202	KHAGEN BHUJSH	01-06-2024	47	SECURITY	STORE	N	N	N	N	N
203	DAYAL MONDEL	01-06-2024	53	SENEL	ADNIT	N	N	N	N	N
204	MANIRUL ISLAM	01-06-2024	21	SCL	AUTOMOBILE	N	N	N	N	N
205	PRITAM BHARALI	01-06-2024	19	G.R ENTERPRICE	S & D	N	N	N	N	N
206	ASRAFUL HUSSAIN	01-06-2024	18	G.R ENTERPRICE	S & D	N	N	N	N	N
207	RIBIUL BHUYAN	01-06-2024	20	G.R ENTERPRICE	S & D	N	N	N	N	N
208	SUDDAM HUSSAIN	01-06-2024	19	G.R ENTERPRICE	S & D	N	N	N	N	N
209	BABUTI SOH	01-06-2024	34	MD ZAKIR	S & D	N	N	N	N	N
210	LALCHAH ALI	01-06-2024	22	KCC	F & D	N	N	N	N	N
211	MOHIDUL ALI	01-06-2024	19	KCC	F & D	N	N	N	N	N
212	ABUL MIYA	01-06-2024	20	KCC	F & D	N	N	N	N	N
213	KRAIRUL KHAW	01-06-2024	26	KCC	F & D	N	N	N	N	N
214	SULLEN ALI	01-06-2024	19	KCC	F & D	N	N	N	N	N
215	ASTOM TARO	01-06-2024	28	KCC	F & D	N	N	N	N	N
216	PRASHAN KUMAR CHOUDHARY	01-06-2024	34	DPR	CIVIL	N	N	N	N	N
217	ALOK DAS	01-06-2024	34	SCL	MECHANICAL	N	N	N	N	N
218	NOBIN BHUTEL	01-06-2024	43	SCL	MECHANICAL	N	N	N	N	N
219	SAILEN KUMAR SING	01-06-2024	48	DPR	CIVIL	N	N	N	N	N
220	MANOJ PARAJAPATI	01-06-2024	44	SCL	MECHANICAL	N	N	N	N	N
221	DIPANKAR DAS	01-06-2024	40	SLNEL	HR	N	N	N	N	N
222	KONAK DAS	01-06-2024	47	SIDDI VINAYAK	CIVIL	N	N	N	N	N
223	BHANESWAR RABHA	01-06-2024	46	SIDDI VINAYAK	CIVIL	N	N	N	N	N
224	CHINA LALUNG	01-06-2024	50	SIDDI VINAYAK	CIVIL	N	N	N	N	N
225	MOHAN DEKA	01-06-2024	50	DPR	LAB	N	N	N	N	N
226	ANUP DAS	01-06-2024	45	SIDDI VINDAYAR	CIVIL	N	N	N	N	N
227	DIP KUMAR DAS	01-06-2024	44	DPR	CIVIL	N	N	N	N	N
228	DIPANKAR THAKURIYA	01-06-2024	25	SHANTI	MECHANICAL	N	N	N	N	N
229	MAINUDDIN	01-06-2024	38	KCC	CIVIL	N	N	N	N	N
230	RAHUL KUMAR	03-06-2024	26	SCL	S & D	N	N	N	N	N
231	SANTOSH KUMAR	03-06-2024	53	SCL	MECHANICAL	N	N	N	N	N
232	MOHEN PAWE	03-06-2024	36	SCL	CIVIL	N	N	N	N	N
233	DILIP YADAV	03-06-2024	37	SIDDI VINAYAK	S & D	N	N	N	N	N
234	MEHBUR RAHMAN	03-06-2024	41	SCL	MECHANICAL	N	N	N	N	N
235	GHANANTA DEVA	03-06-2024	50	SCL	PROCESS	N	N	N	N	N
236	BIJIT GOSWAMI	03-06-2024	28	SCL	CIVIL	N	N	N	N	N
237	HABISUDDIN	03-06-2024	34	G.R ENTERPRICE	S & D	N	N	N	N	N
238	SARAT HAZARIKA	03-06-2024	46	SCL	GENERAL MANAGEMENT	N	N	N	N	N
239	SWATANTRA PANDAY	03-06-2024	33	SCL	ELECTRICAL	N	N	N	N	N
240	ATUL KUMAR TRIPATHY	03-06-2024	33	SCL	MECHANICAL	N	N	N	N	N



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241	PIYUSH KUMAR	03-06-2024	29	SCL	CIVIL	N	N	N	N	N
242	ABDUL FARUNK	03-06-2024	28	SCL	MEDICAL	N	N	N	N	N
243	HASIBUL BOX	10-06-2024	33	POWER PLUS TECHONOLGY IND PVT LTD	ELECTRICAL	N	N	N	N	N
244	SUBHANDEL BHATTERJEE	10-06-2024	50	POWER PLUS TECHONOLGY IND PVT LTD	E & I	N	N	N	N	N
245	BIKI BORDOLOI	10-06-2024	21	COLSIRHUPUL	SECURITY	N	N	N	N	N
246	VIKASH KU. RAY	10-06-2024	25	PPT I PVT LTD	PROCESS	N	N	N	N	N
247	BIKRAM DEORI	10-06-2024	25	C.S.S.C	CIVIL	N	N	N	N	N
248	GOBINDA KARMKAR	10-06-2024	29	STAR CEMENT	HELPER	N	N	N	N	N
249	BIJU BLTUJAL	10-06-2024	19	STAR CEMENT	S & D	N	N	N	N	N
250	PRATAP DAS	10-06-2024	39	SIDDI VINAYAK	PROCESS	N	N	N	N	N
251	ESLADUL UDDIN	10-06-2024	22	A.R ENTERPRICE	PROCESS	N	N	N	N	N
252	BITHU TALUKDAR	10-06-2024	20	SIDDI VANAYAK	S & D	N	N	N	N	N
253	SHYMOL DAS	10-06-2024	30	CONSTABLE CAMP	S & D	N	N	N	N	N
254	BISWAJIT DAS	10-06-2024	48	SGNEL	HELPER	N	N	N	N	N
255	LILA BORA	10-06-2024	47	SCNEL	S & D	N	N	N	N	N
256	MAHADEV MONDAL	10-06-2024	23	CANTIN	HELPER	N	N	N	N	N
257	MUKESH SHARMA	10-06-2024	41	CANTIN	MANAGER	N	N	N	N	N
258	BHASLWAS TALUKDAR	10-06-2024	30	SCL	MECHANICAL	N	N	N	N	N
259	SANJAY DAS	10-06-2024	24	SCL	MECHANICAL	N	N	N	N	N
260	RAM AVATER	10-06-2024	36	SCL	MECHANICAL	N	N	N	N	N
261	HEMANSHU MEDHI	10-06-2024	26	SCL	MECHANICAL	N	N	N	N	N
262	PRANJAL GOGOI	10-06-2024	27	SCL	MECHANICAL	N	N	N	N	N
263	SULEMAN KHAN	10-06-2024	24	SIDDI VANAYAK	MECHANICAL	N	N	N	N	N
264	SUBHAS BARMAN	10-06-2024	39	SIDDI VANAYAK	MECHANICAL	N	N	N	N	N
265	JADAV MEDHI	10-06-2024	52	SCL	S & D	N	N	N	N	N
266	BISHNU GOWALA	10-06-2024	41	SIDDI BANAYAK	MECHANICAL	N	N	N	N	N
267	RIPANKAR BARMAN	10-06-2024	28	A.R ENTERPRICE	MECHANICAL	N	N	N	N	N
268	PRAMOD KALITA	10-06-2024	22	SIDDI BANAYAK	ADMIETAL(T.C.)	N	N	N	N	N
269	ATUL BALLAV	10-06-2024	43	CMCL	SECURITY OFFICE	N	N	N	N	N
270	RAJANI AHMED	10-06-2024	54	SCL	SECURITY OFFICE	N	N	N	N	N
271	RAJAMANI AHMED	10-06-2024	24	SIDDI VANAYAK	MECHANICAL	N	N	N	N	N
272	ANUPAM DEORI	10-06-2024	27	SIDDI VANAYAK	MECHANICAL	N	N	N	N	N
273	RAM PRASHAD TRIVEDI	10-06-2024	51	SCL	S & D	N	N	N	N	N
274	PRASANJIT DAS	10-06-2024	25	A.R ENTERPRICE	MECHANICAL	N	N	N	N	N
275	JAYANTA DEKA	10-06-2024	28	SIDDI VANAYAK	MECHANICAL	N	N	N	N	N
276	NIMAI DEBNATH	10-06-2024	44	SCL	MECHANICAL	N	N	N	N	N
277	M.D. MAHAR ALI	10-06-2024	28	A.R ENTERPRICE	MECHANICAL	N	N	N	N	N
278	BISHWA DEKA	10-06-2024	33	SCL	MECHANICAL	N	N	N	N	N
279	BIJU DALUNG	10-06-2024	41	SIDDI VANAYAK	T.C.	N	N	N	N	N
280	RAJUMANI AHMED	10-06-2024	21	A.R ENTERPRICE	MECHANICAL	N	N	N	N	N

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281	S. R. KAUSIK	10-06-2024	37	SCL	ADMIT (H.R)	N	N	N	N	N
282	JITU BAISHYA	15-06-2024	37	SIDDI VINAYAK	PROCESS	N	N	N	N	N
283	JITUMANI DAS	15-06-2024	34	SIDDI VINAYAK	PROCESS	N	N	N	N	N
284	TARU MAMIN	15-06-2024	56	SIDDI VINAYAK	S & D	N	N	N	N	N
285	ADITYA DEKA	15-06-2024	51	SIDDI VINAYAK	CIVIL	N	N	N	N	N
286	MOHAN HIRA	15-06-2024	27	C.S.S.C	SECURITY	N	N	N	N	N
287	BHASKAR DAS	15-06-2024	30	S & IB	SECURITY	N	N	N	N	N
288	JUGAL NATH	15-06-2024	24	BHARMAPUTRA	SECURITY	N	N	N	N	N
289	BHASKAR JYOUTI NATH	15-06-2024	20	RANKUKA	SECURITY	N	N	N	N	N
290	RAJU BHUYAN	15-06-2024	34	RANKUKA	SECURITY	N	N	N	N	N
291	BIJU DEKA	15-06-2024	29	C.S.S.C	SECURITY	N	N	N	N	N
292	KASH MIREKKAR	15-06-2024	36	SIDDI VINAYAK	SECURITY	N	N	N	N	N
293	JITUMONI BORA	15-06-2024	30	C.S.S.C	SECURITY	N	N	N	N	N
294	JITU DAS	15-06-2024	21	RANKUKA	SECURITY	N	N	N	N	N
295	DIPANKAR BORA	15-06-2024	27	S & IB	SECURITY	N	N	N	N	N
296	SUKLA CHANGMAI	15-06-2024	44	S & IB	SECURITY	N	N	N	N	N
297	BHATRAKANTA DEKA	15-06-2024	41	CSSCS	SECURITY	N	N	N	N	N
298	JINTU DAS	15-06-2024	34	SCL	SECURITY	N	N	N	N	N
299	ANKUR DEKA	15-06-2024	27	C.S.S.C	SECURITY	N	N	N	N	N
300	IQBAL HUSSAIN	15-06-2024	21	A.R ENTERPRICE	SAD	N	N	N	N	N
301	BIMAL DAS	15-06-2024	24	SCL	ADMIT	N	N	N	N	N
302	RAMESWAR YADAV	15-06-2024	33	SCL	PROCESS	N	N	N	N	N
303	Q-A-S KASLIK	15-06-2024	38	SCL	HR	N	N	N	N	N
304	VIKRAM SING	15-06-2024	43	SCL	HR	N	N	N	N	N



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CGWA NOC



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Star Cement Ltd.		
Project Address:	M/s Star Cement Ltd., Guwahati Grinding Unit, Gopinath Bardoloi Road, Sonapur		
Village:	Chamata Pathar	Block:	Dimoria
District:	Kamrup Metro	State:	Assam
Pin Code:			
Communication Address:	Star Cement Limited (formerly M/s Cement Manufacturing Co. Ltd.), Guwahati Grinding Unit, Chamata Pathar, Gopinath Bordoloi Road, Dimoria, Kamrup Metro, Assam - 782402		
Address of CGWB Regional Office :	Central Ground Water Board North Eastern Region, Betkuchi, Opposite Isbt,, Nh-37, Guwahati,, Kamrup Metro, Assam - 781005		

1.	NOC No.:	CGWA/NOC/IND/REN/2/2022/7353													
2.	Application No.:	21-4/21/AS/IND/2009					3.	Category: (GWRE 2020)	Safe						
4.	Project Status:	Existing Ground Water					5.	NOC Type:	Renewal						
6.	Valid from:	27/02/2022					7.	Valid up to:	26/02/2025						
8.	Ground Water Abstraction Permitted:														
Fresh Water			Saline Water				Dewatering			Total					
m³/day		m³/year		m³/day		m³/year		m³/day		m³/year		m³/day		m³/year	
1758.00		641670.00													
9.	Details of ground water abstraction /Dewatering structures														
Total Existing No.:5								Total Proposed No.:0							
		DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu		
Abstraction Structure*		0	0	5	0	0	0	0	0	0	0	0	0		
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps															
10.	Ground Water Abstraction/Restoration Charges paid (Rs.):							1279185.00							
11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.					No. of Piezometers		Monitoring Mechanism							
Manual								DWLR**		DWLR With Telemetry					
**DWLR - Digital Water Level Recorder						2		0		1		1			

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)