



Date: 20.05.2025

To,
The Member Secretary
SEIAA, Assam,
Ministry of Environment & Forest & Climate Change,
Government of India
Bamunimaidan, Guwahati, Assam-21

Sub. : Six Monthly Compliance Report of EC stipulations on Star Cement North East Limited at Village: Chamata Pathar, Kamrup District, Assam due for the period of October, 2024 to March, 2025.

Ref. : Environment Clearance Issued to Star Cement North East Limited's Guwahati Cement Grinding Unit by SEIAA vide proposal no. F.No. SIA/AS/IND1/407155/2022 dated 22nd November, 2022.

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 October, 2024 to March, 2025.

Thanking you,

Yours truly,

For Star Cement North East Limited

Authorized Signatory

Encl. : As Above

Copy to : 1. Director, Ministry of Environment, Forest and Climate Change, Government of India
Indira Paryavaran Bhawan, Jorbhag, 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. Executive Engineer, Regional Office
Assam State Pollution Control Board, Assam
5. The IRO, MOEF& CC, 4th Floor , Housefed Building, GS Road,
Rukminigaon, Guwahati-22

STAR CEMENT NORTH EAST LIMITED

Delhi Office : Unit No. DSM 515 to DSM 520, 5th Floor, DLF Tower, Shivaji Marg, Najafgarh Road, Delhi - 110015, Ph. 011 - 49805200 / 49805300, E-mail: delhi@starcement.co.in

Works : Gopinath Bordoloi Road, Village Chamatapahar, Dist - Kamrup (M) Guwahati - 782402, Assam, Email : ggu@starcement.co.in

Regd Office : Mayur Garden, 2nd Floor, opposite Rajiv Bhawan, G S Road, Guwahati, Kamrup, Assam 781005

CIN No. U26999AS2021PLC021391



SL No.	Conditions	Compliance Status (Up to 31 st March, 2025)
A. SPECIFIC CONDITIONS		
1	As installed electrostatic precipitator (ESP) to clinker cooler and reverse air bag house to pre- calcinatory kiln and raw mill to control emission within the prescribed limit as per the new MOEF & CC standards wide GSR 162(E) dated 25.08.2014. Bag house/ big filters shall be provided to cement mill and packing plant to control SPM emission. Bag filters shall be provided to crushers, coal drying & grinding unit, hopper blinding silo/ kiln feed, raw mill hopper, cement silo, cement silo top, packing plant and at all other places including transfer points, venting axillaries etc. to reduce particulate matters. Performance study of the pollution control drives shall be conducted yearly to ensure their efficiency.	<p>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.</p> <p>High efficient Polytetrafluoroethylene (PTFE) membrane jet bag filters are installed at cement silo tops, packing plant and at all other places including transfer points, venting axillaries etc. to reduce particulate matters.</p> <p>Performance study of the pollution control drives will be conducted yearly to ensure their efficiency.</p>
2	Continuous monitoring systems to monitor gaseous emission shall be provide and limit shall be confirming to the prescribed standard farmed by MOEF/CPCB by installing adequate air pollution control system. Data on ambient air quality, stack emission and fugitive emission shall be displayed in public domain and also regularly submitted online to the SEIAA, Assam & regional office MOEF at Shillong, and Central Pollution Control Board (CPCB) as well as hard copy once in six months.	<p>The unit has installed continuous online monitoring equipment and online data transmitting process is ongoing. Digital environment display board has been installed at the main entrance to display ambient air quality, stack emissions. The ambient air quality data and stack emission monitoring data are found within standards stipulated under EPA/MoEF /CC/CPCB/SPCB.</p> <p>The Monitoring reports are enclosed for reference in Annexure-II as</p> <p>II (A)-Stack Monitoring Report II (B)-Ambient Air Quality Monitoring Report.</p>
3	The company shall installed adequate dust collections and extraction system to control fugitive dust emission at varies transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movements, bagging and packing areas etc. Crusher shall be operated with efficiency bag filters. All conveyers shall be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transporting of materials shall be provided besides coals,	<p>The company is deploying water tankers for water sprinkling at loading, unloading areas, raw materials stock yards, cement loading areas.</p> <p>The company has installed water sprinkling system at road sides, materials transporting and stacking areas to control fugitive dust emission.</p> <p>Adequate air pollution control equipment such as pulse jet bag filters are attached to stacks of cement mill and Fly Ash Dryer. Stacks of adequate height are maintained as per CPCB guidelines for proper dispersion of particulate matter.</p>

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	<p>cements, fly ash clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.</p>	<p>The generated dust is being collected from all sources and recycled back to process.</p> <p>The raw materials viz. clinker, fly ash, gypsum, coal will be stored in covered sheds.</p> <p>Finished products is being stored in silos.</p> <p>Pneumatic system is used for fly ash handling.</p>
4	<p>Dust suppression by regular water sprinkling shall be carried out in plant areas prone to air pollution and having high levels of SPM and RPM and such as haul road, loading and unloading points, transfer point and other vulnerably area to control fugitive emissions. Fugitive emission shall also be control by dust suppression and water sprinkling system. It shall be ensured that the ambient air quality parameters confirm to the norms prescribed by Central Pollution Control Board in this regard.</p>	<p>The company is using water tankers for water sprinkling at loading, haul road, unloading areas, raw materials stock yards, cement loading areas.</p> <p>Photographs are attached as Annexure-III (A)</p> <p>The company is using vacuum road sweeper machine for cleaning of roads.</p> <p>Photographs are attached as Annexure-III (B)</p>
5	<p>Effort shall be made to reduced impact of the transport of the raw materials and end products of the surroundings environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and should not be over loaded. Vehicular emission shall be regularly monitored.</p>	<p>Raw materials and final products are being transported in covered containers.</p> <p>Vehicle emission records are regularly maintained at the security main gate.</p>
6	<p>Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the ministry and regularly monitored. Guidelines/ code of practiced issued by the CPCB shall be followed.</p>	<p>Secondary fugitive emissions from all the sources is being controlled within the latest permissible limits issued by the ministry and regularly monitored. Guidelines/ code of practiced issued by the CPCB shall be followed.</p>
7	<p>Effort shall be made to reduce impact of transport of the raw materials and end products of the surroundings environment including agricultural land/ tea garden etc. All the raw materials including fly ash shall be transported in the closed containers only and should not be over loaded. Vehicular emissions shall be regularly monitored. Measure shall be taken for maintenance of vehicle used in mining operations and in transportation of mineral.</p>	<p>Raw materials and final products are being transported in covered containers.</p> <p>Vehicle emission records are regularly maintained at the security main gate.</p>

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8	Asphalting/concreting of roads and water spray all around the critical areas prone to air pollution and having high level of SPM and RPM shall be ensured.	Asphalting/concreting work of roads is in progress. The company has deployed water tankers to sprinkle water around the dust prone areas.
9	Total water requirement from surface/ ground water sources shall not exceed 399 KLD. Water efficient technology shall be provided to conserved water. Treated water shall be used in dust suppression and greenbelt development etc. 'Zero' discharge shall be strictly adopted and no effluent shall be discharged.	The company is not exceed the permissible limits of ground water abstraction. 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 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.
10	Domestic effluent shall be treated in sewage treatment plant (STP) in proposed colony and in septic pits followed by soak pits in cement plant and mine lease area. All the treated waste water shall be used for gardening/agricultural purposes and dust suppression. Domestic waste from colony and solid waste (MSW) from industrial area shall be segregated into bio degradable and non-bio-degradable. Bio-degradable waste shall be composted and non-bio degradable shall disposed off in environment-friendly manner or field at identified sites only after proper treatment.	The domestic wastewater generated from the plant is being treated in sewage treatment plant (STP). The treated wastewater is being utilized for green belt development and dust suppression. The STP sludge is used as manure for green belt development. Domestic waste from the colony and solid waste from the industrial area are separated into biodegradable and non-biodegradable categories. The biodegradable waste is composted in vermi-composting pits, while the non-biodegradable waste is sold to authorized vendors.
11	The project proponent shall ensure that no natural water course shall be obstructed due to any 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 wastewater is discharged outside the plant premises.

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12	Suitable conservation measure to augment ground water resources in the area shall be planned and implemented in consultation with concerned authority.	<p>The plant has constructed a rainwater harvesting pond with dimensions 30m x 16m x 3m, having a capacity for collecting entire runoff water generated in the premises. This water is utilized for greenbelt development and dust suppression on roads.</p> <p>The photograph of the pond</p> 
13	The project proponent shall take appropriate mitigation measure to prevent pollution of the nearby rivers and other surface water body, if any.	<p>Will be complied.</p> <p>The plant is designed on zero effluent discharge concept. This concept is being implemented as there is no industrial effluent generated from the process.</p> <p>No wastewater is discharged outside the plant premises.</p>
14	All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycle and reuse in the process and use for cement manufacturing. Clay and shale generated as soil waste in the mine area shall be used for manufacturing clinker. Refectory bricks shall be sold to authorized agencies. ETP sludge shall be dried, compressed and used for land felling. Treated sewage shall be used as manure for greenbelt development. Waste oil, grease and scrap automobile batteries shall be provided to the authorized recycler/ preprocessors.	<p>All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices is recycled and reused in the process and use for cement manufacturing.</p> <p>The treated wastewater is utilized for green belt development and dust suppression. The STP sludge is used as manure for green belt development.</p> <p>Waste oil, grease and scrap automobile batteries will be sold to authorized recycler or preprocessors.</p>

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15	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.	The plant is only a cement grinding unit with a capacity of 2 MTPA, cement kiln is not available in the plant. Therefore, there is no provision for utilization of high calorific hazardous waste in cement kiln. If any possibility arises in future, the company will make provision to utilize the high calorie hazardous waste.
16	As proposed, greenbelt developed in 33 % (of the total land in cement plant as per the CPCB guidelines in consultation with local DFO to mitigate the impact of fugitive emission. A long term plan for the plantation / afforestation / greenbelt development etc. shall be prepared and submitted to the SEIAA, Assam and Regional office of MOEF at Shillong and implemented.	The greenbelt has been developed in phased manner. At present 12800 numbers of trees has planted in the plant premises 1 ha . Local species are selected in consultation PCBA, DFO and plantation is being maintained. The details of greenbelt development are enclosed as annexure-IV
17	All the safety norms stipulated by the director general, mine and safety (DGMS) shall be implemented. On site and off site emergency plan shall be prepared in consultation with respective authorities and implement accordingly.	On site and off site emergency plan have been prepared and implemented. The Emergency Preparedness Plan is enclosed as Annexure-V
18	Consent to Operate shall be obtained from state pollution control board Assam.	"Consent to Operate" reference no. PCBA/CCA/2025/3292982 dated 20/03/2025 The CTO is enclosed as Annexure-I
19	Acoustic enclosures shall be provided to control noise where ever necessary. Noise shall be control from cooler fans, compressor house, cement mill and raw mill, cement mill using with appropriate noise control measures.	Noise is being controlled from compressor house, cement mill using with appropriate noise control measures.
20	All the recommendations made in the charter and cooperate responsibility for environment protection (CREP) for the cement plant shall be implemented.	All the CREP recommendations is being followed. The details are provided in Annexure – VI .
21	The company shall comply with the commitment made during public consultation for the expansion project.	The company is complying with the commitment made during the public consultation for the expansion project.

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22	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 etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	The company had provided housing for construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets with soak pits, safe drinking water, medical health care etc. The temporary housing structure will be removed after the completion of the project.
B. GENERAL CONDITIONS		
1	The project authority must adhere to the stipulation made by state pollution control board, Assam and state government.	The project authority must be adhered to the stipulation made by state pollution control board, Assam and state government.
2	No further expansion and modification of the plant shall be carried out without prior approval of SEIAA, Assam	No further expansion and modification of the plant will be carried out without prior approval of SEIAA, Assam
3	At least four ambient air quality monitoring station shall be establish in downward direction as well as where maximum ground level concentration of PM ¹⁰ , PM ^{2.5} , SO ₂ and NO _x are anticipated in consultation with the state pollution control Board, Assam. Data or ambient air quality and stack emissions shall submitted to SEIAA, Assam including regional office MOEF at shilling and state pollution control board, Assam once in six month.	Four ambient air quality monitoring station has installed in downward direction as well as where maximum ground level concentration of PM ¹⁰ , PM ^{2.5} , SO ₂ and NO _x are anticipated in consultation with the state pollution control Board, Assam. Data or ambient air quality and stack emissions are enclosed as II (A)-Stack Monitoring Report II (B)-Ambient Air Quality Monitoring Report.
4	Industrial Waste water shall be properly collected and treated so as to confirm to the standards prescribed under GSR 422 (E dated 19 th May, 1993 and 31 st December, 1993 or amended from time to time. The treated waste water shall be utilized to plantation purpose.	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 wastewater is discharged outside the plant premises.
5	The overall noise level in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including aquatics hoods silencers enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under environment protection act,1986 rules 1989 viz, 75 dBA day	The Ambient noise levels <75 dB (A) is being maintained below Standards prescribed by APCB/CPCB/MoEFCC. The Monitoring reports are enclosed for reference in Annexure-II (C)

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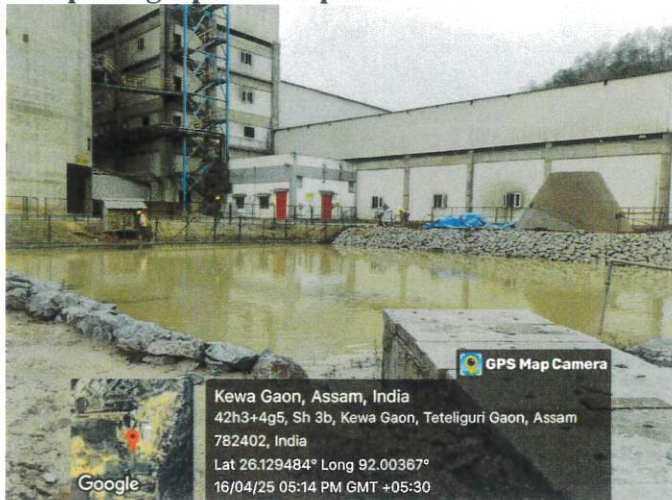
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	time and 70 dBA night time.	
6	Proper housekeeping and adequate occupational health program must be taken up. Occupational health surveillance program shall be done on a regular basis and maintained records. The program must include function sputum analysis test once in six month.	<ul style="list-style-type: none"> Mechanical sweeping machine has been deployed in plant area. Daily manual sweeping is also carried out. Colour code 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 program are being carried out on a regular basis and maintained records. The program are being included function sputum analysis test once in six month.
7	The company shall harvest the rain water from the roof tops and storm water drains for utilizing in the lean season besides recharging the ground water table.	<p>Rain Water harvesting measures have been undertaken. The plant has constructed a rainwater harvesting pond with dimensions 30m x 16m x 3m, having a capacity for collecting entire runoff water generated in the premises. This water is utilized for greenbelt development and dust suppression on roads.</p> <p>The photograph of the pond</p>  <p>Kewa Gaon, Assam, India 42h3+4g5, Sh 3b, Kewa Gaon, Teteligiuri Gaon, Assam 782402, India Lat 26.129484° Long 92.00367° 16/04/25 05:14 PM GMT +05:30</p>
8	The company shall under take eco development measurement including community welfare measure in the project area.	The company complies with all the eco-development measures including community development activities in the project area.

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9	The project proponent shall also comply with all the environmental protection measure 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.
10	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be setup under the control off 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.
11	Rs. 13.55 crores spent towards capital cost and as proposed Rs. 1.34 crores earmarked towards recurring cost/ annum for the environmental protection measure and Rs. 1.35 crores for CSR activities for 5 years to implement the conditions stipulated by the SEIAA, Assam as well as the ministry and state government and submit implementation schedule for all conditions stipulated here in SEIAA, Assam. The funds so provide shall not be delivered for any other purpose.	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.
12	The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA Assam. This should be advertised within 7 days for the date of issue of the clearance letter at least into two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to SEIAA , Assam and regional office , MOEF at Shillong.	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. The Environmental Clearance information published in two local newspapers one in English and other is in Assamese.
13	A copy of clearance letter shall be sent by the proponent to concerned DC, urban local body and the local NGO if any from home suggestion/representation if anywhere received	Will be complied.

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	while proposing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	
14	The project proponent shall update the status of compliance of the stipulated Environment Clearance condition, including results of monitored data on their website and shall upload the same periodically. It shall simultaneously be send to the SEIAA , Assam, Regional Office regional office of the MOEF, Shillong and PCB, Assam. Criteria pollution levels namely : PM (stack),PM ₁₀ , PM _{2.5} , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the projects shall be monitored and displayed at convenient location near the main gate of company in the public domain.	The company will update the status of compliance of the stipulated Environment Clearance condition, including results of monitored data on the website and will upload the same periodically. Criteria pollution levels namely : PM (stack),PM ₁₀ , PM _{2.5} , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters are being monitored and displayed at convenient location near the main gate of company in the public domain.
15	The project proponent shall submit six monthly report on the status of compliance of the stipulated EC conditions including results of monitored data online in PARIVES portal through individual user ID to the SEIAA, Assam/Regional office of the MOEF CC Guwahati.	The company submits six monthly report on the status of compliance of the stipulated EC conditions including results of monitored data online in PARIVES portal through individual user ID to the SEIAA, Assam/Regional office of the MOEF CC Guwahati.
16	The environmental statement for its Financial year ending 31 st March in form-V as in mended to the submitted by the project proponent to the SEIAA and state pollution control board , Assam as prescribed under the environmental (Protection Rules , 1986 , as amended subsequently and the project proponent shall submit six monthly report on the status of compliance of the stipulated EC conditions including results of monitored data online in the parivash portal through individual user ID to the SEIAA, Assam- Regional office of the MOEF CC Guwahati.	The company submits the Environmental Statement for its financial year ending on 31st March in Form-V. Additionally, the company will submit the six-monthly report on the status of compliance with the stipulated Environmental Clearance (EC) conditions, including the results of monitored data, online via the Parivash portal. The report will be submitted through individual user IDs to the SEIAA Assam - Regional Office of the Ministry of Environment, Forest and Climate Change (MOEF CC), Guwahati.

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17	The SEIAA, Assam may revoke or suspend the clearance if implementation of any of the above condition is not found satisfactory.	Noted for compliance.
18	Any other condition or alternation in the above condition will have to be implemented by the project proponent in a time bound manner.	Noted for compliance.
19	The above conditions will be enforced, inter-alia under the provisions of the water (prevention and control of pollution) act, 1974 and air (prevention and control of pollution) act, 1981 the environment protection act 1986 and public liability insurance act, 1991 along with their amendment and rules.	Noted for compliance.

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ANNEXURE-I

Consent to Operate-Plant



Pollution Control Board, Assam

(Department of Environment & Forests, Government of Assam)

অসম প্রদূষণ নিয়ন্ত্ৰণ পৰিষদ

(অসম চৰকাৰৰ বন আৰু পৰিৱেশ বিভাগ)

Website : www.pcbassam.org; E-mail : membersecretary@pcbassam.org



LiFE
Lifestyle for
Environment

Certificate No. PCBA/CCA/2025/3292982

Date: 20/03/2025

CCA Application ID No: 3292982

Consolidated Consent and Authorization (CCA)

To,

STAR CEMENT NORTH EAST LIMITED

GOPINATH BORDOLOI ROAD 55 no kamarkuchi gaon panchayat Kamrup Metropolitan

Consolidated Consent and Authorization (CCA) under the provisions of the Water Act (1974), the Air Act (1981) and the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 with validity till 31/03/2030.

A) Consent to Operate

'CONSENT TO OPERATE' (CTO), under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 as amended and Rules framed thereunder, is granted to:

- | | | | |
|------|---------------------------------|---|--|
| i. | Name of the Unit | : | STAR CEMENT NORTH EAST LIMITED |
| ii. | Name of the Director/Proprietor | : | Sri Sandip Samanta, Asst. Vice President |
| iii. | Address of the Unit | : | GOPINATH BORDOLOI ROAD 55 no kamarkuchi gaon panchayat Kamrup Metropolitan |
| iv. | Cost of the unit (in lakh) | : | 63000.00 |
| v. | Type of the Unit | : | Cement Grinding Unit |
| vi. | Category of the Unit | : | Red |

vii) Details of Raw Material:

SI No.	Raw Material	Quantity
1	Clinker	1312000 TPA
2	Fly Ash	553000 TPA
3	Slag	95000 TPA
4	Gypsum	40000 TPA

viii) Details of Products:

SI No.	Products	Capacity
1	Portland Slag Cement	0.1 MTPA
2	Portland Pozzolana Cement (PPC)	1.6 MTPA
3	Composite Cement	0.1 MTPA
4	Ordinary Portland Cement (OPC)	0.2 MTPA

Details of Service:

SI No.	Service	Capacity
1	Sale	

ix) D.G Sets

SI No.	Details of DG Set
1	1 x 500 KVA

x) Raw Water Details

SI No.	Particulars/Parameter	Value/Details
1	Ground Water	368 KLD

xi) Effluent generation and treatment

SI No.	Particulars/Parameter	Value/Details
1	Effluent generation	47KLD(Industrial:15KLDandDomestic: 32 KLD)
2	Effluent Treatment Plant	15 KLD

xii) Emission sources and APCDs

SI No.	Sources	Stack height	APCD	Other detail
1	Coal Mill	40 M	Bag Filter	1 X 5 TPH
2	Cement Mill	62 M	Bag Filter	1 X 285 TPH
3	Packaging Unit	35 M	Bag Filter	1 X 240 TPH
4	Fly Ash Drier	40 M	Bag Filter	1 X 130 TPH
5	Hot Air Generator	30 M	Bag Filter	20 Million Kcal/hr

xiii) EPR Registration Details

SI No.	Governing Rules	Applicability (Y/N)	Details
1	PWM	Y	BO-23-ASS-12-ABGCS1346F-24Dtd.23-12-2024

xiv) Other clearances/NOC from competent authorities Details

SI No.	Clearance/NOC	Applicability (Y/N)	Details
1	F.No.SEIAA.3248/2022 dtd.04.01.2023	Y	EC

TERMS AND CONDITIONS:

1. The project authority shall install a Display Board as per the Board's notification no. PCBA/LGL-95/2021/Notification/01 dtd.11.11.2021. (Appendix-A).
2. The project proponents shall develop a green belt/plantation area with native trees covering at least 33% of the total plot area.
3. As per the provisions of the Water (Prevention and Control of Pollution) Act, 1974 as amended and the Air (Prevention and Control of Pollution) Act, 1981, as amended, any Officer empowered by the Board on its behalf shall have without interruption, the right at any time to enter the unit premises for inspection, collection of sample for analysis and may call for any information as deemed necessary. Denial of this right will cause withdrawal of the CTO.
4. The unit shall apply for renewal of this CTO before expiry. The Board has decided to renew the CTO for validity of five (5) years after receiving due fees for the entire period.
5. The unit shall comply with the ambient noise level standard, notified by MoEF & CC, GOI vide GSR 7, dated Dec. 22, 1998, as mentioned: Day Time (6:00 AM - 10:00 PM): 75 dB(A) Leq. and Night Time (10:00 PM - 6:00 AM): 70 dB(A) Leq.
6. The CTO may be modified, suspended in whole or in part or withdrawn by the Board during its term for cause including, but not limited to the following as Violation of any Terms and Conditions of this CTO, Obtaining the CTO by misrepresentation or failure to disclose fully all relevant facts, if any genuine complaint is received.
7. The unit shall obtain prior 'Consent to Establish' from the Board for any further expansion, alteration, modification, modernization of the project.

SPECIFIC CONDITION

The general and Specific conditions of Environmental Clearance granted by the MoEF & CC, GOI, Issued by the State Environment Impact Assessment Authority (SEIAA), Assam Vide F. No. SEIAA.3248/2022 dtd. 04.01.2023 shall be complied with.

A) Air Aspect:

1. The unit shall install the following measures for control of source and fugitive emission.
 - a. Dust containment cum suppression system at Raw Material Feed Hoppers, all the material transfer and dropping points.
 - b. Construction of the metallic roads within the premises.
 - c. Regular cleaning and water sprinkling at the ground and in the haul roads.
2. Location of sampling port shall be provided as specified in CPCB guidelines for Emission Regulations (December 1985), Part-III (Appendix-B)
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-C)
4. The unit shall comply with the 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)
5. The unit 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	TimeWeighted average (Industrial, Residential, Rural Areas)	Concentrationin Ambient Air g/m3
---------	------------	--	-------------------------------------

1.	SO ₂ (µg/m ³)	Annual	50
		24 hours	80
2.	NO ₂ (µg/m ³)	Annual	40
		24 hours	80
3.	PM ₁₀ (µg/m ³)	Annual	60
		24 hours	100
4.	PM _{2.5} (µg/m ³)	Annual	40
		24 hours	60

6. On-lineContinuousEmissionMonitoringSystem(OCEMS)forParticulateMatter(PM),emissionshallbeproperly maintained and OCMMS RT-DAS data should be regularly transmitted to Pollution Control Board, Assam andCentral Pollution Control Board.

7. Vehicle wheel washing system shall be installed at entry and exit gate of the factory.

B) Water Aspect:

1. Permission of CGWA : Obtained.

2. For discharge of treated water, the unit shall comply with specific standards, notified by the MoEF & CC, Govt. of India, vide GSR.612 (E) dated 25th August, 2014 (Part-B of Appendix-D)

3. The unit shall try to achieve 'Zero Liquid Discharge' condition.

4. i) Storm water shall not be allowed to mix with effluent and/or floor washing.

ii) Storm water within the battery limits shall be channelized through separate drain/pipe passing through a HDPE linedpithavingholdingcapacityof10minutes(hourlyaverage)ofrainfall.

5. A properly designed rain water harvesting pond shall be constructed to collect the entire run-off water, generated in the premises, as assured during the EIA/EMP presentation before SEAC meeting. Proper planning shall be made tousewaterfromthepondfordustsuppressioninhaulroadsandotherpurposeslikewateringinplantations,etc.

7.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.

C) E-Waste Aspects:

The unit shall comply with the provisions of the E-Waste (Management) Rules, 2022.

D) Plastic Waste Aspect:

1. The unitshall applyfor 'Registration'throughthe onlinecentralizedportaldevelopedby CPCB (<https://www.cpcbepplastic.in>)immediately.

2. The Unit shall implement EPR (Extended Producers Responsibility) and fulfill the EPR target as per the guidelines.

3. Plastic Waste generated in the unit shall be quantified and disposed of in accordance of the provisions under the Plastic Waste Management Rules, 2016.

4. 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 shall be created for collection, storage, transportation, treatment and disposal of non-hazardous solid waste generated from the unit.

2. Adequate system shall be adopted on reduction of waste generation and enhancement of re-utilization and 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.

[Grant of Authorization under the Provision of the Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2016]

A. Reference CCA Application ID No. : 3292982

B. STARCEMENT NORTHEAST LIMITED hereby granted an authorisation based on the signed inspection report for Generation, storage and transportation of Hazardous or Other wastes or both.

DETAILS OF AUTHORIZATION

SI No.	Category of Hazardous Waste as per the Schedules-I, II & III of these rules	Quantity	Mode of Management/Disposal
1	Schedule-I, SI.No.5.1: Used or spent oil	4.5 KL/ANNUM	Generation, Storage and disposal to registered recyclers
2	Schedule-I, SI.No.5.2: Wastes or residues containing oil	0.2 MT/ANNUM	Generation, Storage and disposal to registered recyclers
3	Schedule-IV, SI.No.B3010: Solid Plastic Wastes	1800 MT/ANNUM	Generation, Storage and disposal to registered recyclers
4	Schedule-I, SI.No.35.1: Exhaust Air or Gas Cleaning residue	10 MT/ANNUM	Generation, Storage and disposal to registered recyclers
5	Schedule-III, Part-A SI.No.A1160: Waste Lead Acid Batteries, whole or crushed	200 Numbers/ANNUM	Generation, Storage and disposal to registered recyclers

C. This authorization shall be in force for the period upto 31/03/2030 unless otherwise revoked or withdrawn within this period.

D. The authorization is subject to the following general and specific conditions:

I. GENERAL CONDITIONS OF AUTHORISATION:

1. The authorized person shall comply with the provision of the Environment (Protection) Act, 1986, and the rules made there-under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. The agencies should ensure that the barrels are decontaminated before collection in the premises of the occupier / generator equipped with adequate effluent treatment plant.
5. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
6. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
7. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"
8. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

II SPECIFIC CONDITIONS:

The Authorization is subject to the following general and specific conditions:

A. GENERAL CONDITIONS OF AUTHORIZATION:

1. The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The Authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. The person authorized shall implement Emergency Response Procedure (ERP) for which this Authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty."
7. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of the Authorization shall be made as laid down under these Rules.
9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The unit shall register on the 'National Hazardous Waste Tracking System' by logging into the online portal (<https://geo.nic/nhwts>)

B. SPECIFIC CONDITIONS:

1. The unit shall maintain the records of Hazardous & Other Wastes in Form-3 under provision of Rules 6(5), 13(7),

14(6), 16(5) & 20(1).

2. The Transporters shall obtain the relevant information in Form-9 from the occupier/generator regarding the hazardous nature of the wastes and measures to be taken in case of an emergency
3. The unit shall submit Annual Returns in Form-4 to this Board by 30th June of every year for the preceding period April to March.
4. The occupiers shall prepare 6 (six) copies of the manifest in Form-10 as per Rules-19(1) for every transit of consignment of hazardous waste under this authorization & the transporter/ collector should ensure implementation of the manifest system.
5. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forests & Climate Change, GOI, New-Delhi and Central Pollution Control Board, Delhi shall be complied.
6. Any occupier handling hazardous or other wastes and operator of the treatment, storage and disposal facility shall ensure that the hazardous and other wastes are packaged in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board from time to time. The labelling shall be done as per Form 8.
7. 1. The unit shall submit the report on any accident occurs at their facility immediately to this Board, in Form-11 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
8. The transport of the hazardous and other waste shall be in accordance with the provisions of Rule 18 of Hazardous and Other waste (Management and Transboundary Movement) Rules, 2016.
9. The unit shall construct/ install impervious lining in the Waste storage area and prevent any possible seepage into the surrounding environment.
10. A display Board shall be installed at the entry gate in accordance with the Board's notification no. PCBA/LGL-95/2021/Notification/01 dtd. 11.11.2021.
11. The unit shall ensure submission of manifests to the Board.

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 CCA if adequate pollution control and safety measures are not implemented by the unit.

**Gokul
Bhuyan** Digitally signed
by Gokul Bhuyan
Date: 2025.03.20
14:20:37 +05'30'
Member Secretary
Pollution Control Board, Assam

ANNEXURE-IIA

Stack Monitoring Report

Recognized by Pollution Control Board, Assam

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_02_870(D)
SAMPLE ID: EETNE/OCT/04(A)/24

Date: 19/10/2024
ULR NO.:TC7669240000211(A)F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 15/10/2024 TO 19/10/2024
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)	15/10/2024	Stack attached to CEMENT MILL	23.5	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.


Method of analysis: IS 11255 Part-I

Emission Standards :

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

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


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

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_02_929(D)
SAMPLE ID: EETNE/NOV/17(A)/24

Date: 23/11/2024
ULR NO.:TC7669240000228(A)F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 19/11/2024 TO 23/11/2024
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)	19/11/2024	Stack attached to CEMENT MILL	24.4	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Method of analysis: IS 11255 Part-I

Emission Standards :

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

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


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

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_02_965(D)
SAMPLE ID: EETNE/DEC/04(A)/24

Date: 16/12/2024
ULR NO.:TC7669240000236(A)F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 11/12/2024 TO 16/12/2024
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)	11/12/2024	Stack attached to CEMENT MILL	25.8	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Method of analysis: IS 11255 Part-I

Emission Standards :

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

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


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

TEST REPORT**STACK ANALYSIS REPORT**

Rep.No. SAR_14030224_02_1043(D)

SAMPLE ID: EETNE/JAN/12(A)/25

Date: 28/01/2025

ULR NO.:TC7669250000257(A)F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 23/01/2025 TO 28/01/2025
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)	23/01/2025	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.

Method of analysis: IS 11255 Part-I

Emission Standards :

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

For Envision Enviro Technologies North East, Guwahati



Khairul Islam Sheikh
(Environmental Chemist)



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

TEST REPORT

STACK ANALYSIS REPORT

Rep.No. SAR_14030224_02_1073

SAMPLE ID: EETNE/FEB/08/25

Date: 12/02/2025

ULR NO.:TC76692500000265F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 08/02/2025 TO 12/02/2025
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)	08/02/2025	Stack attached to CEMENT MILL	26.6	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

Method of analysis: IS 11255 Part-I

Emission Standards :

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

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)
Prepared & Checked by


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/Reviewed by

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

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



TC-7669

Recognized by Pollution Control Board, Assam

TEST REPORT**STACK ANALYSIS REPORT**

Rep.No. SAR_14030224_02_1131

SAMPLE ID: EETNE/MAR/04/25

Date: 17/03/2025

ULR NO.:TC76692500000280F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 11/03/2025 TO 17/03/2025
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)	11/03/2025	Stack attached to CEMENT MILL	24.9	- Bag filter is attached to Cement mill. - 50% bag house is replaced to mitigate the effect of particulate matter.

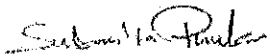
Method of analysis: IS 11255 Part-I

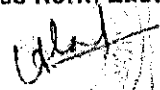
Emission Standards :

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

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

For Envision Enviro Technologies North East, Guwahati


Subasita Phukan
(Environmental Chemist)
Prepared & Checked by


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/Reviewed by

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

ANNEXURE-IIB

AAQ Monitoring Report

Recognized by Pollution Control Board, Assam

TC-7669

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_01_870(A)
SAMPLE ID: EETNE/OCT/04(A)/24

Date: 19/10/2024
ULR NO.:TC7669240000211(A)F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 14/10/2024, 15/10/2024 TO 19/10/2024
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)	14/10/2024	Near Truck Tippler	Clear	58.5	33.9	23.5	14.7
ii)		Near Packing Plant		61.3	34.4	24.1	13.5
iii)	15/10/2024	Near CCR (Line 1)		56.2	32.2	20.7	16.7
iv)		Near Administrative Building		61.7	35.1	24.3	15.4

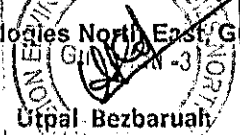
Remarks: - Parameters are within the permissible limit.
:- Sampling were done under the annual based.

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

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


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-----

Page 1 of 1

Recognized by Pollution Control Board, Assam

TC-7669

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_01_929(A)
SAMPLE ID: EETNE/NOV/17(A)/24

Date: 23/11/2024
ULR NO.:TC7669240000228(A)F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 18/11/2024, 19/11/2024 TO 23/11/2024
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)	18/11/2024	Near Truck Tippler	Clear	59.2	33.7	21.5	10.4
ii)		Near Packing Plant		62.2	34.8	23.9	13.7
iii)	19/11/2024	Near CCR (Line 1)		57.8	33.6	20.6	16.9
iv)		Near Administrative Building		59.1	35.7	21.8	15.9


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), $\mu\text{g}/\text{m}^3$	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

For Envision Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


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

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_01_965(A)
SAMPLE ID: EETNE/DEC/04(A)/24

Date: 16/12/2024
ULR NO.:TC7669240000236(A)F

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


Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 10/12/2024, 11/12/2024 TO 16/12/2024
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)	10/12/2024	Near Truck Tippler	Clear	60.8	34.8	22.9	11.8
ii)		Near Packing Plant		63.6	33.9	24.7	14.9
iii)	11/12/2024	Near CCR (Line 1)		58.9	36.2	22.1	17.8
iv)		Near Administrative Building		60.2	36.8	22.8	16.8


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	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), $\mu\text{g}/\text{m}^3$	IS:5182 (Part24):2019	Annual	40
			24 hours	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.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.

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



TC-7669

Recognized by Pollution Control Board, Assam

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_01_1043(A)

SAMPLE ID: EETNE/JAN/12(A)/25

Date: 28/01/2025

ULR NO.:TC7669250000257(A)F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 22/01/2025, 23/01/2025 TO 28/01/2025
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)	22/01/2025	Near Truck Tippler	Clear	60.8	32.1	20.8	11.4
ii)		Near Packing Plant		63.2	35.3	24.9	14.8
iii)		Near CCR (Line 1)		58.9	34.6	21.1	17.6
iv)	23/01/2025	Near Administrative Building		60.8	36.9	22.1	16.9

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 24 hours	50 80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI/ CPCB	Annual 24 hours	40 80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII/ CPCB	Annual 24 hours	60 100
4	Particulate Matter (PM _{2.5}), µg/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.
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

TEST REPORT

AMBIENT AIR ANALYSIS REPORT

Rep.No. AAAR_14030224_01_1070
SAMPLE ID: EETNE/FEB/08/25

Date: 12/02/2025
ULR NO.:TC76692500000265F

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


Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 07/02/2025, 08/02/2025 TO 12/02/2025
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO
Sample Description : Filter Paper

SL. NO.	DATE OF SAMPLING	Date of Sample received	LOCATION/ SOURCE	WEAT HER	PARAMETERS			
					PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
i)	07/02/2025	10/02/2025	Near Truck Tippler	Clear	60.2	32.8	20.8	11.7
ii)			Near Packing Plant		61.8	35.3	20.9	14.8
iii)	08/02/2025		Near CCR (Line 1)		59.6	30.1	21.6	17.2
iv)			Near Administrative Building		60.9	34.9	22.9	16.8

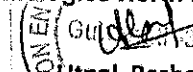
Remarks: - :- Sampling were done under the annual based.

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	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), µg/m ³	IS:5182 Part-VI	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), µg/m ³	IS:5182 Part-XXIII	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), µg/m ³	IS:5182 (Part24):2019	Annual	40
			24 hours	60


Khairul Islam Sheikh
(Environmental Chemist)
Prepared & Checked by

For Envision Enviro Technologies North East Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory /Reviewed by

Note: i) The results relate to the tested sample only.
ii) The test report shall not be reproduced except in full, without written approval of laboratory.
*RDS - Respirable Dust Sampler.

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



TC-7669

Recognized by Pollution Control Board, Assam

TEST REPORT**AMBIENT AIR ANALYSIS REPORT**

Rep. No. AAAR_14030224_01_1128

SAMPLE ID: EETNE/MAR/04/25

Date: 17/03/2025

ULR NO.: TC76692500000280F

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

Sample Drawn By : UTPAL BEZBARUAH
Sampling Plan & Procedure : EETNE/SOP/01
Analysis Duration : 10/03/2025, 11/03/2025 TO 17/03/2025
Sampling Instrument Used : AMBIENT AIR SAMPLER/RDS
Pollution Control Device, if any : YES/NO
Sample Description : Filter Paper

SL. NO.	DATE OF SAMPLING	Date of Sample received	LOCATION/ SOURCE	WEAT HER	PARAMETERS			
					PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	NO ₂ (µg/m ³)	SO ₂ (µg/m ³)
(i)	10/03/2025	12/03/2025	Near Truck Tippler	Clear	62.1	33.6	18.9	10.9
(ii)			Near Packing Plant		60.9	35.2	17.8	13.6
(iii)	11/03/2025		Near CCR (Line 1)		58.8	31.6	17.2	18.1
(iv)			Near Administrative Building		59.8	32.8	16.1	17.9

Remarks: - :- 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	Annual	50
			24 hours	80
2	Nitrogen Dioxide (NO ₂), $\mu\text{g}/\text{m}^3$	IS:5182 Part-VI	Annual	40
			24 hours	80
3	Particulate Matter (PM ₁₀), $\mu\text{g}/\text{m}^3$	IS:5182 Part-XXIII	Annual	60
			24 hours	100
4	Particulate Matter (PM _{2.5}), $\mu\text{g}/\text{m}^3$	IS:5182 (Part24):2019	Annual	40
			24 hours	60

Note: i) The results relate to the tested sample only.

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

*RDS - Respirable Dust Sampler.

For Envision Enviro Technologies North East, Guwahati

Subasita Phukan
(Environmental Chemist)
Prepared & Checked by

Utpal Bezbaruah
(Technical Manager)
Authorized Signatory /Reviewed by

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

ANNEXURE-IIC

Ambient Noise Level Monitoring Report

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 241019_14030224_01_870(C)
SAMPLE ID: EETNE/OCT/04(A)/24

Date: 19/10/2024
ULR NO.:TC76692400000211(A)F

Issued to : M/s. Star Cement North East Ltd.
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)	14/10/2024	Near CCR (Line 1)	70.1	57.2
ii)		Near Administrative Building	71.5	59.1
iii)	15/10/2024	Near Truck Tippler	72.2	63.5
iv)		Near Packing Plant	74.1	65.9


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. 241123_14030224_01_929(C)
SAMPLE ID: EETNE/NOV/17(A)/24

Date: 23/11/2024
ULR NO.:TC76692400000228(A)F

Issued to : **M/s. Star Cement North East Ltd.**
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)	18/11/2024	Near CCR (Line 1)	69.2	57.1
ii)		Near Administrative Building	70.2	55.2
iii)	19/11/2024	Near Truck Tippler	70.1	61.7
iv)		Near Packing Plant	71.9	65.3

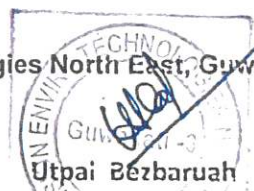
Remarks: Noise level is carried out during 75% of the Day Time and Night Time.
Method of analysis : IS : 9989 :1981 RA:2014
Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

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

For Enviro Technologies North East, Guwahati


Khairul Islam Sheikh
(Environmental Chemist)


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-----

AMBIENT NOISE LEVEL MEASUREMENT REPORT

Rep.No. 241216_14030224_01_965(C)
SAMPLE ID: EETNE/DEC/04(A)/24

Date: 16/12/2024
ULR NO.:TC76692400000236(A)F


Issued to : M/s. Star Cement North East Ltd.
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)	10/12/2024	Near CCR (Line 1)	70.8	58.1
ii)		Near Administrative Building	71.2	56.1
iii)	11/12/2024	Near Truck Tippler	72.2	60.1
iv)		Near Packing Plant	72.9	67.2

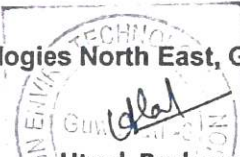
Remarks: Noise level is carried out during 75% of the Day Time and Night Time.
Method of analysis : IS : 9989 :1981 RA:2014
Sampling Instrument Used : SLM100 SL.NO.484-I-22, SLM 100 (213 DTC-2013)

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. 250128_14030224_01_1043(C)
SAMPLE ID: EETNE/JAN/12(A)/25

Date: 28/01/2025
ULR NO.:TC76692500000257(A)F

Issued to : M/s. Star Cement North East Ltd.
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)	22/01/2025	Near CCR (Line 1)	68.8	58.9
ii)		Near Administrative Building	71.2	56.2
iii)	23/01/2025	Near Truck Tippler	70.4	61.2
iv)		Near Packing Plant	69.8	60.4


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. 250212_14030224_01_1072
SAMPLE ID: EETNE/FEB/08/25

Date: 12/02/2025
ULR NO.:TC766924000000265F

Issued to : **M/s. Star Cement North East Ltd.**
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)	07/02/2025	Near CCR (Line 1)	70.1	58.9
ii)		Near Administrative Building	69.8	54.8
iii)	08/02/2025	Near Truck Tippler	71.2	62.9
iv)		Near Packing Plant	72.8	67.3

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)
Prepared & Checked by

For Envision Enviro Technologies North East, Guwahati


Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/Reviewed by

Note: i) The results relate to the tested sample only.

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

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



TC-7669

Recognized by Pollution Control Board, Assam

AMBIENT NOISE LEVEL MEASUREMENT REPORTRep.No. 250317_14030224_01_1130
SAMPLE ID: EETNE/MAR/04/25Date: 17/03/2025
ULR NO.:TC766925000000280FIssued to **M/s. Star Cement North East Ltd.**
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)	10/03/2025	Near CCR (Line 1)	69.2	57.3
ii)		Near Administrative Building	68.8	55.9
iii)	11/03/2025	Near Truck Tippler	70.5	61.3
iv)		Near Packing Plant	71.2	65.4

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

Note: i) The results relate to the tested sample only.

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

For Envision Enviro Technologies North East, Guwahati

Subasita Phukan
Subasita Phukan
(Environmental Chemist)
Prepared & Checked by

Utpal Bezbaruah
Utpal Bezbaruah
(Technical Manager)
Authorized Signatory/Reviewed by

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

ANNEXURE-III (A)

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



Star Cement North East Ltd.

Annexure-III(B)

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



Star Cement North East Ltd.

ANNEXURE-IV

Greenbelt Development Details

Greenbelt Development Details

Sl.No	YEAR	TYPE	NO. of Plant Planted,	Species of Plant Planted,
1	February 2024 to April, 2024	Trees	350	Kadam, Neem ,Krishana sura, Ashoka, Mango, Litchi, Radha sura, Emily, Jamun, Sonaru, Gomari, Nahar, Chandan ,Teek, Amlokhi, Silikha, Guava,etc.
		Seasonal Flower	120	Calendula,Sunflower, Cineraria, Marigold, Hasnahana, Pelocia, Gagonia, Rose, Dahalia, Madhabilota, Bottle Plam, Vogan vila etc.
		Shurbs	155	Duranta, Hamilia, Nerium, Murrya, Acalypha etc.
		Grass	950 sq meter	Carpet Grass & Local Grass.
2	April, 2024 to March, 2025	Trees	12450	Kadam, Neem ,Krishana sura, Ashoka, Mango, Litchi, Radha sura, Emily, Jamun, Sonaru, Gomari, Nahar, Chandan ,Teek, Amlokhi, Silikha, Guava,etc.
		Seasonal Flower	110	Calendula,Sunflower, Cineraria, Marigold, Hasnahana, Pelocia, Gagonia, Rose, Dahalia, Madhabilota, Bottle Plam, Vogan vila etc.
		Shurbs	35	Duranta, Hamilia, Nerium, Murrya, Acalypha etc.
		Grass	-	
Total Trees			12800	

Photographs of Greenbelt Development



Photographs of Greenbelt Development



Photographs of Greenbelt Development





VAYU BODHAK INDIA

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

Manufacturers and Traders of Pollution Monitoring Instruments

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.	1675DTE2016	
Date of Calibration	13/09/2024	Due Date	12/09/2025	
Certificate No.	VBI/528/2024-25	Temperature	28°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial No.	Model/Type	Authority	Certificate No.	Validity
Rotameter	PGC22642	0-60 LPM	FCRI	CA13282310387	04/10/2024
Time Totalizer	VBI-TT-01	Digital	BELZ	20055777	26/10/2024
StopWatch	VBI-S-01	Digital	BELZ	20055378	27/10/2024

Calibration Reading

Time Totalizer (Sr. No. 1675)

#	Test Reading (Hr)	Master Reading (Hr)	Calibration Factor
1.	0.46	0.46	1.00

Dry Gas Meter (Sr. No. 151001664)

#	Test Reading (LPM)	Master Reading (LPM)	Calibration Factor
1.	10	10.23	1.02
2.	20	20.15	1.01
3.	30	29.68	0.99

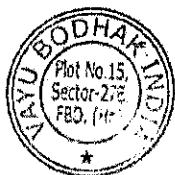
Prepared By: Sourabh

Calibrated By:

[Signature]

For Vayubodhak India

[Signature]
(Authority Signatory)





VAYU BODHAK INDIA

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

Manufacturers and Traders of Pollution Monitoring Instruments

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.	1400 DTJ2013	
Date of Calibration	13/09/2024	Due Date	12/09/2025	
Certificate No.	VBI/529/2024-25	Temperature	29°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial No.	Model/Type	Authority	Certificate No.	Validity
Rotameter	PGC22642	0-60 LPM	FCRI	CA13282310387	04/10/2024
Time Totalizer	VBI-TT-01	Digital	BELZ	20055777	26/10/2024
StopWatch	VBI-S-01	Digital	BELZ	20055378	27/10/2024

Calibration Reading

Dry Gas Meter (Sr. No. 130700093)

#	Test Reading (LPM)	Master Reading (LPM)	Calibration Factor
1.	10	10.32	1.03
2.	20	20.22	1.01
3.	30	29.92	1.00

Time Totalizer-1400

#	Test Reading (Hr)	Master Reading (Hr)	Calibration Factor
1.	0.45	0.45	1.00

Prepared By: Soudabh

Calibrated By:

For Vayubodhak India

(Authority Signatory)





VAYUBODHAK INDIA

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

Manufacturers and Traders of Pollution Monitoring Instruments

Calibration Report

Customer Details

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.	1409 DTJ2013	
Date of Calibration	13/09/2024	Due Date	12/09/2025	
Certificate No.	VBI/530/2024-25	Temperature	29°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial No.	Model/Type	Authority	Certificate No.	Validity
Rotameter	PGC22642	0-60 LPM	FCRI	CA13282310387	04/10/2024
Time Totalizer	VBI-TT-01	Digital	BELZ	20055777	26/10/2024
StopWatch	VBI-S-01	Digital	BELZ	20055378	27/10/2024

Calibration Reading

Dry Gas Meter (Sr. No. 130700082)

#	Test Reading (LPM)	Master Reading (LPM)	Calibration Factor
1.	10	10.21	1.02
2.	20	20.32	1.02
3.	30	29.84	0.99

Time Totalizer-1409

#	Test Reading (Hr)	Master Reading (Hr)	Calibration Factor
1.	0.48	0.48	1.00

Prepared By: Souvik

Calibrated By: [Signature]

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.	1400 DTJ2013	
Date of Calibration	13/09/2024	Due Date	12/09/2025	
Certificate No.	VBI/529/2024-25	Temperature	29°C	Accuracy 2% FSD

Details of Master/Reference Instrument calibrated by NABL Laboratories

Details	Serial No.	Model/Type	Authority	Certificate No.	Validity
Rotameter	PGC22642	0-60 LPM	FCRI	CA13282310387	04/10/2024
Time Totalizer	VBI-TT-01	Digital	BELZ	20055777	26/10/2024
StopWatch	VBI-S-01	Digital	BELZ	20055378	27/10/2024

Calibration Reading

Dry Gas Meter (Sr. No. 130700093)

#	Test Reading (LPM)	Master Reading (LPM)	Calibration Factor
1.	10	10.32	1.03
2.	20	20.22	1.01
3.	30	29.92	1.00

Time Totalizer-1400

#	Test Reading (Hr)	Master Reading (Hr)	Calibration Factor
1.	0.45	0.45	1.00

Prepared By: *Soudeab*

Calibrated By: *[Signature]*

For Vayubodhak India

[Signature]
(Authority Signatory)


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 North East Limited (SCNEL) will comply with notified standards.</p> <ul style="list-style-type: none"> • The Grinding Unit will establish 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 will establish with height as per CPCB guidelines. • Latest State of-the-art technology Pollution Control Equipment (PCE) will be installed at all sections to control emission levels to the prescribed limits. • Interlocking facility will be 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	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm ³ limit of particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	The location of the Grinding Unit is neither in critically polluted area nor in urban area. However, the unit will establish Air Pollution Control equipment with particulate emission of less than 30mg/Nm ³ .
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f. 01.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions.	Not Applicable to this project as the unit is a Clinker Grinding Unit.
4	CPCB will evolve load based standards by December 2003.	The Grinding Unit will comply with load based standards.
5	CPCB and NCBM will evolve SO ₂ and NO _x emission standards by June 2004.	The unit will comply 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 will implement 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.	<ul style="list-style-type: none"> The unit will has installed continuous online monitoring equipment and the online data transmitting process is under progress.
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 by April 2003.	<p>The Grinding Unit will utilize 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"> Installation of Sewage Treatment Plant (STP) is under progress in the plant as stipulated. We will install dust bins in front of our residential colony and industry area. Generated all the municipal solid waste for residential colony and industry will 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.

INTRODUCTION:

Emergency / Disaster planning is an integral part of the overall loss control program. It is essential for any well run organization. This is important for effective management of an accident / incident to minimize environmental impacts and loss to people & property in and around the installation.

Any accident, which has potential to develop into Emergency and can threaten large no of person or large area of plant on site affect the safety of public, property and environment. Therefore Emergency procedures are planned to protect plant, property, public and environment.

OBJECTIVES:

- Rapid control of the Hazardous situation,
- Minimizing the risk and impact of incident,
- Whether our system & resources are sufficient for handling of emergencies,
- Proper training of the concerned personnel, if required,
- Effective notification and communication system at the time of emergency.

DISASTER:

An industrial disaster can be defined as **“An occurrence of such magnitude so as to create a situation in which normal pattern of life with in an industry or installation is suddenly disrupted, adversely affecting not only the personnel and property within the installation but also in its vicinity.”**

EMERGENCY MANAGEMENT PLAN**TYPE OF EMERGENCIES:**

Following type of emergencies may occur in plant like:

- ☐ Fire
- ☐ Leakage of flammable / oil
- ☐ Natural calamity like earthquake, flood
- ☐ Structure failure/ building & Silo collapse
- ☐ Act of Terrorism / explosion.

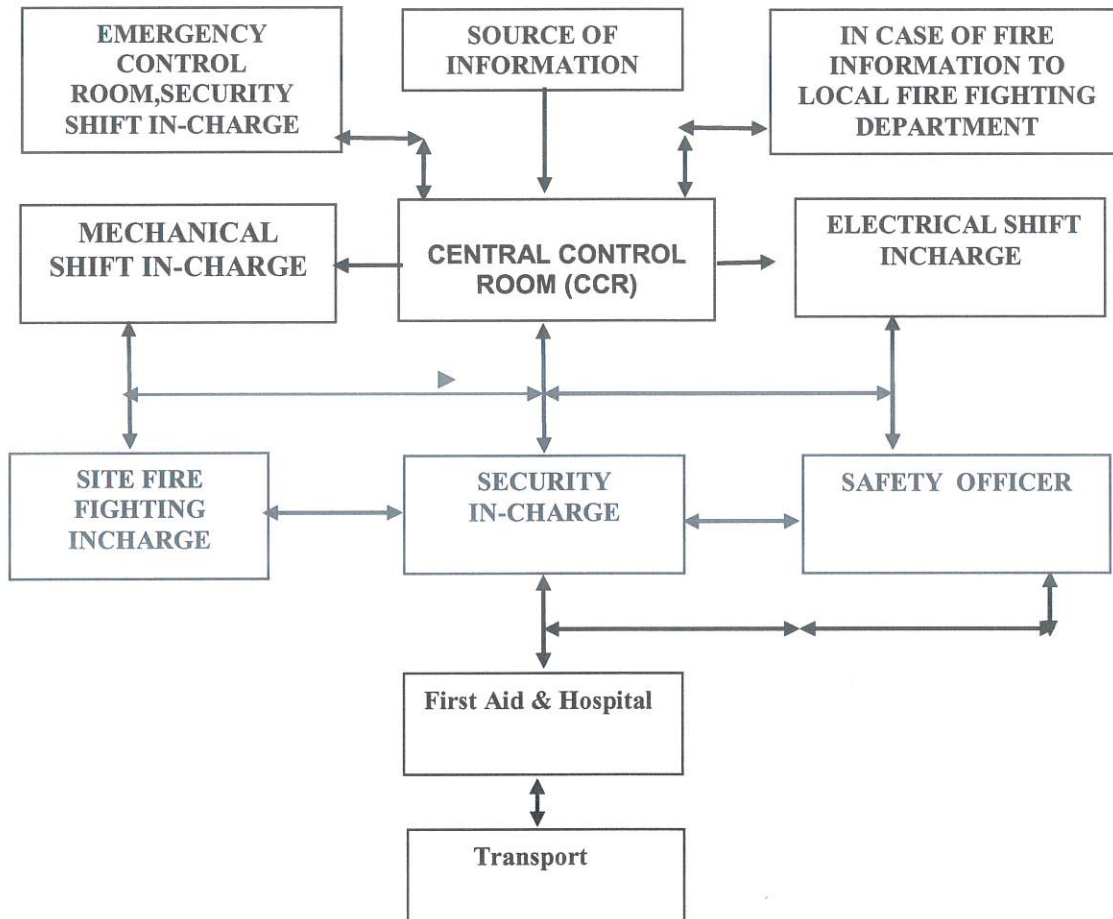
HAZARD AREAS IN PLANT:

- ☐ HAG(Diesel tank , fine coal bin)
- ☐ Coal Mill
- ☐ Packing Plant (PP bags godown)
- ☐ DG Set
- ☐ Coal storage
- ☐ H.T. Installation
- ☐ L.T. Installation

MAIN ELEMENTS OF EMERGENCY PLAN:

- ☐ Emergency Control Center
- ☐ Alarm systems
- ☐ Personal protection equipment.
- ☐ Fire fighting facilities, equipment and supplies. (As per Factories Act)
- ☐ Medical facilities, Equipment & Supplies.
- ☐ Monitoring systems.
- ☐ A communication media
- ☐ Transportation systems.
- ☐ Security and access control equipment.
- ☐ Entry / Exit gates
- ☐ Emergency Power source available by D.G. Set.

COMMUNICATION NETWORK DURING EMERGENCY INCIDENTS



Note:

1. Identified personnel either from operating plant will assume their designated roles & responsibilities, wherever applicable.
2. Control Room and Shift In-charge will act, wherever applicable. In such absences, Incident Controller will discharge multiple responsibilities.
3. Identified personnel either from operating plant will assume their designated roles & responsibilities, wherever applicable.
4. Control Room and Shift In-charge will act, wherever applicable. In such absences, Incident Controller will discharge multiple responsibilities.

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Role & Responsibilities of Each Coordinator

1. Responsibilities of CCR shift in-charge

- On hearing the information, CCR in-charge should rush to the spot as early as possible with all PPE. Following actions also be performed by CCR in- charge
- Direct all emergency operations within the affected area
- Direct rescue and fire fighting operations till safety and fire coordinator reaches to the spot
- Ensure that all persons are evacuated
- Guide the rescue team in search of /evacuate the casualties
- Advice fire personal in fighting the fire
- Take charge of responsibilities of Site emergency controller till he arrives
- Report all significant developments to Units head and all concerned.

2. Responsibilities of Mechanical shift in-charge

- Contact CCR in-charge at site.
- Decide about the plant to be shut down or not in consultation with mechanical HOD and unit head.
- Give instructions to representative plants for shut down and follow up the action taken
- Ensure proper shut down of the plant
- Inform about the status of plant to CCR in-charge.
- Any other work assigned by CCR in- charge.

5. Responsibilities of Electrical shift in-charge

- Ensure the availability of power for emergency operations
- Arrange for safe electrical circuits needed by CCR in-charge.
- Ensure power supply without interruption for the critical equipments and their functions as advised by CCR in- charge.
- Arrange for emergency maintenance of electrical equipment /services needed by CCR in- charge.
- Any other work assigned by CCR in-charge.

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6. Responsibilities of safety officer

- Ensure the availability of all safety equipments and PPE
- Arrange for the search of missing persons
- Ensure the preservations of evidences for the investigation of the incident
- Ensure that the on-site emergency operations are carried out safely
- Guide the fire officer/fire fighting team to control the spread of fire
- Arrange for further equipment /assistance for fire fighting if necessary
- Guide the rescue team members
- Pass instructions to restrict entry of visitors / vehicles to plant. Fire tenders and ambulances from mutual aid industries shall be allowed inside
- Any other work assigned by CCR in-charge.
- Investigate the accident to find out the causes

7. Responsibilities of Security in-charge

- Arrange transport to bring the key personnel from their residence.
- Inform the hospitals to be ready for receiving the injured persons & for treatment
- Ensure the safe transport of the injured persons to the hospital
- Arrange transport for shifting of necessary equipment and materials to the emergency location
- Arrange for needed financial support for the emergency operations
- Arrange for rehabilitations of persons
- Mobilize additional medical facilities, if required
- Any other work assigned by CCR in-charge.

8. Responsibilities of fire fighting in-charge

- Guide the fire officer/fire fighting team to control the spread of fire
- Arrange for further equipment /assistance for fire fighting if necessary
- Guide the rescue team members
- Pass instructions to restrict entry of visitors / vehicles to plant. Fire tenders and ambulances from mutual aid industries shall be allowed inside
- Allow CCR in-charge team members to reach incident site
- Any other work assigned by CCR in-charge
- Investigate the accident to find out the causes

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COMMUNICATION SYSTEM:

In case of any emergency like Fire, Earthquake and Structure failure, the following steps are required to be followed:

- ☐ Any person who sees emergency - fire / structure collapse / earthquake etc has to immediately inform to Emergency Control Room (ECR) at Main Gate.
- ☐ The ECR telephone no. 8011002590 has been displayed in all important places inside plant .
- ☐ ECR will coordinate with CCR In-charge, Safety Officer, security officer and fire fighting in-charge, local fire fighting station.
- ☐ If situation is not within their control or needs to activate the onsite emergency plan, the CCR in-charge to Emergency Control Room (ECR) to give **Emergency Siren by repeated long and short 03 times.**
- ☐ With the Emergency Siren, all coordinators should rush to ECR or to contact CCR in-charge for instructions & actions as per their respective role.
- ☐ With the Emergency Siren, all the employees should come out of the Office & working area and gathered in the assembly Points.
- ☐ The Security personnel & fire fighting team should immediately rush to Emergency Control Room to receive instruction & the exact location and nature of incident.
- ☐ After getting clearance from CCR in-charge, In-charge Emergency Control Room (ECR) at main gate will blow **clearance Siren by repeating long sirens twice for 30 seconds.**

Emergency Sirens

Emergency siren is placed near the Mechanical Workshop & Stores

Emergency Assembly Points

The following areas are identified as Emergency Assembly Points

- (i) In front of CCR

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Emergency Control Room (Near Time Office):

During the emergency, the Emergency Control Center is managed by the Safety Officer (Control Room). Therefore, the ECC is equipped with adequate facilities & communication system as mentioned below:

Emergency Control Room List

SL. NO.	NAME OF THE ITEMS	QTY.
1	Stretcher	01 no.
2	Wheel Chair	01 no.
3	Blanket	04 nos.
3	First Aid Box with all items	01 set
5	Emergency Telephone	01 no.
6	Rescue Kit	01 set
7	Mega Phone	01 no.
8	Emergency Light	04 nos.
9	CPR breathing barrier along with a face shield	01 set
10	Emergency preparedness manual and a copy of your disaster plan, including your emergency contacts list	01 set
11	Pencil, pen, whiteboard, whiteboard pen set of different color	
12	Whistle	12 nos.
13	Map of the area (for locating shelters and evacuation routes)	01 no.
14	Safety Helmet	12 nos.
15	Hand Gloves (cotton & leather)	12 Pairs
16	Nose Mask	100 nos.
17	Safety Goggles	12 nos.
18	Fire Extinguishers (ABC Type) – 5 Kg Capacity	02 no.
19	Fire Extinguishers (CO2 Type) – 4.5 Kg Capacity	02 no.
20	Fire Extinguishers (DCP Type) – 5 Kg Capacity	02 no.
21	Note Pad	04 nos.
22	Register	02 nos.
23	Aluminum Ladder (Folding Type)	02 nos.
24	Emergency Response Team (ERT) Member Cap	10 nos.
25	Rope Ladder	06 nos.

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Action In Case of Following Emergency:

☐ **IF WATER IS FLOODING:**

- a. Contact concerned authorities and provide them with the following information:
 - (i) Your name
 - (ii) Your location and extension
 - (iii) Type of emergency - Water Flooding
- b. Do not attempt to enter flooded areas without proper precautions (i.e. power shutdown to room/area). If possible, move property (office equipment, lab equipment, etc.) away from water flooding after necessary precautions have been taken.
- c. Once the problem has been corrected, work can be resumed.

☐ **TERRORISTIC ACT / EXPLOSION:**

- a. Be calm, courteous, listen, and do not interrupt the caller.
- b. If possible, have a co-worker inform your supervisor that you are on the phone with a bomb/terrorist threat.
- c. Be familiar with Terrorist Threat Report and write down actual words used by caller and general description of caller's voice and mannerisms.
- d. Immediately contact the police authorities when caller hangs-up and provide them with the information outlined on Terrorist Threat Report.
- e. When a terrorist threat has already been communicated directly to the department:
 - As soon as the immediate emergency is over, write down all the details of the terrorist threat
 - Immediately contact police authorities and provide them with the following information:
 - (i) Your name
 - (ii) Your location and extension
 - (iii) The type of emergency - Bomb/Terrorist Threat
 - (iv) Actual words used by caller
 - (v) Location of bomb and time the bomb is to explode (if given).
 - (vi) What the caller sounded like (sex, manner, etc.)
 - (vii) Reason for threat (if given).

☐ **EXPLOSION**

- a. Evacuate all personnel from immediate danger area.
- b. Immediately call police authorities and provide them with the following information:
 - (i) Your name
 - (ii) Your location and extension
 - (iii) The type of emergency - Explosion
- c. If explosion leads to fire:
 - Isolate the fire and smoke by closing doors, ensuring all personnel are removed from immediate danger.

EMERGENCY MANAGEMENT PLAN

- Call the Fire Department.
- Evacuate using the nearest emergency exit stairs or ground exit.
NEVER USE ELEVATORS in the event of a fire.

COMMON EMERGENCY RESPONDANTS
(All Types of Emergencies)

Sl.	Name	Designation	Contact No.		Roles & Responsibilities
			Mobile No.	Intercom	
1.	CCR	CCR In-charge	8811049119	122	CCR In-charge
2.	Emergency Control Room	Shift Security In-charge	8011002590	149	Emergency Co-ordinator
3.	Mr. Gagon Soni	Manager (EHS)	8011002582	127	Fire & Safety Coordinator / Incident Controller
4.	Mr. Jitendra Rana	Security Incharge	8811016833	149	Communication Co-ordinator
5.	Mr. P Mathur	Mechanical HOD	8011002599	114	Mechanical HOD
6.	Mr. Ravi Pratap Singh	E & I HOD	8811016827	109	Instrumentation HOD
7.	Mr. Prasanna Dutta	Asst. Manager (Admin)	9831002001	170	AMBULANCE
8.	Mrs. Monmita Carpenter	Sr. Manager (HR)	8471838409	179	Industrial Relations Co-ordinator
9.	Mr. Dipak Singh	P, QC & EHS HOD	8811049112	118	P, QC & EHS HOD
10.	Mr. Sandip Samanta	Unit head	8011002597	101	UNIT HEAD
11.	Mr. Anshul Kumar Shukla	Store HOD	7974117050	120	Store HOD
12.	Mr. Deepak Das	Civil HOD	8811049114	112	Civil HOD
13.	Mr. Vinay Singh	S&D HOD	8811016854	124	S&D HOD
14.	Mr. Nanda Singha	IT HOD	8811049103	168	IT HOD

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ASSAM EMERGENCY SERVICES

Sr. No.	Emergency Services	Contact Number
1.	Police	100/2224400/0361-2786326
2.	Fire	101/2223300/0361-278666/2160141
3.	Ambulance	8011002590
4.	Emergency Medical Response Services	108

Updated on: **18.12.2023.**

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