

**COMPLIANCE REPORT OF  
ENVIRONMENTAL CLEARANCE  
FOR THE PERIOD OF**

**APRIL-2023 TO SEPTEMBER-2023**

**F. No. J-11011/687/2009- IA II (I)**

**SUBMITTED BY-**

**A.G CEMENT LLP**

**GROUND FLOOR, H/N:119, TRIPURA ROAD,  
JAYANAGAR, GUWAHATI-781028,  
KAMRUP (M), ASSAM**

**Name of The Company :** M/s A.G. Cement LLP

**Project :** Cement Grinding Unit (200 TPD OPC/PPC) at Dag No.49, Pata No.12, P.O. Tapesia, Village Kamarkuchi (NC). Taluka Panabari, District Kamrup (M), Assam.

**Environmental Clearance Letter :** F. No. J-11011/687/2009- IA II (I), Dated August 27<sup>th</sup>, 2010.

**A - SPECIFIC CONDITIONS**

| SN    | EC CONDITIONS  | COMPLIANCE STATUS  |
|-------|--|--|
| (i)   | Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. Particulate emissions shall be controlled within 50 mg/Nm <sup>3</sup> by installing adequate air pollution control system viz. Bag filters and stacks of adequate height etc. Data on ambient air, fugitive and stack emissions shall be submitted to the Ministry's Regional Office at Shillong, Assam State Pollution Control Board (ASPCB) and CPCB regularly.  | Continuous stack monitoring facilities are installed and data is directly transferred to Central Pollution Control Board and Pollution Control Board, Assam. Pollution control device are installed to control the particulate matter in cement Mill, packing and silo section. Ambient air, fugitive and stack emissions are being monitored regularly by ABNS Scientific Services, Guwahati which is recognized by PCB, Assam & NABL. Monitoring data is being regularly submitted to the Ministry's Regional Office at Guwahati, ASPCB and CPCB Shillong. |
| (ii)  | The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.  | National Ambient air quality standards are being followed. Ambient air quality is regularly monitored by PCB, Assam as well as ABNS Scientific Services, Guwahati. Air Monitoring reports are attached as <b>Annexure-I</b> .  |
| (iii) | Gaseous emission levels including 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 Practice issued by the CPCB shall be followed.   | Stack of adequate height is installed to control gaseous emission. However secondary fugitive emission is controlled by installing water sprinkling system and plantation. Fugitive emission monitoring reports are referred as <b>Annexure-II</b> .   |
| (iv)  | The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw material stock piles shall be covered. A closed clinker stockpile system shall be provided. All conveyors should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyors for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling. | Adequate no of dust collection devices has been installed at various transfer points (loading, unloading etc). All conveyer belt (raw material and flyash belt) are fully covered to controlled dust emission. However, transportation of material is also carried out in covered vehicles. However concrete road is completed within the factory premises. Dry Fog System has been installed at crusher to control fugitive Emission. Vehicle tyre washing pint also developed to control the fugitive emission.  |

| SN     | EC CONDITIONS  | COMPLIANCE STATUS   |
|--------|--|---|
| (v)    | <p>Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p> | <p>All the internal roads are concrete. All the transfer points are provided with pulse jet bag filters to control on fugitive emission. However, Water sprinkling is also done regularly to control the fugitive emission. Monitoring report is enclosed as <b>Annexure-II</b>.</p>  |
| (vi)   | <p>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions should be regularly monitored</p>   | <p>We are following all the guide lines for transportation of raw material. Vehicular emission also monitored regularly.</p>  |
| (vii)  | <p>Total water requirement for cement plant from bore wells shall not exceed 7m<sup>3</sup>/day. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted.</p>   | <p>Being a dry unit total water requirement is less than 7m<sup>3</sup>/day. ETP is installed for treatment of waste water generated in the canteen and laboratory. Treated water is used for dust suppression and green belt development.</p> <p>Being a dry unit 'Zero Discharge' status is also maintained for the entire plant.</p> <p>ETP water analysis enclosed vide <b>Annexure-III</b></p> |
| (viii) | <p>Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.</p>  | <p>Rain water harvesting structure is developed. If needed capacity of the reservoir will be enhanced. (photo already sent to MoEF, PCB, Assam).</p> <p>Harvested rain water is used to control the fugitive emission and green belt development.</p>   |
| (ix)   | <p>All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / reprocessors only.</p>  | <p>Dust generated from pollution control devices are recycled and reused in the processes.</p> <p>We have done proper agreement with the authorized recycler for disposal of hazardous waste like spent oil, batteries etc. (copy of authorized already sent to MOEF Guwahati and PCB, Assam.).</p>   |
| (x)    | <p>Green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB</p>  | <p>Greenbelt is developed regularly around the periphery. It is developed in consultation with local DFO vide letter dated 28/05/14. All local</p>  |

EC COMPLIANCE REPORT FOR THE PERIOD 1<sup>ST</sup> APRIL'2023 TO 30<sup>TH</sup> SEPTEMBER'2023

| SN    | EC CONDITIONS   | COMPLIANCE STATUS   |
|-------|---|---|
|       | guidelines to mitigate the effects of air emissions in consultation with local DFO  | available species are being planted at our premises mitigate the effects of air emission. |
| (xi)  | At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Shillong. Implementation of such program shall be ensured accordingly in a time bound manner.        | Point is noted & will be complied.  |
| (xii) | The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project | Complied with.  |

**B. GENERAL CONDITIONS**

| SN.   | EC CONDITIONS  | COMPLIANCE STATUS  |
|-------|--|--|
| (i)   | The project authorities must strictly adhere to the stipulations made by the Assam State Pollution Control Board and the State Government.   | Being complied. We Strictly follow all the stipulations made by Pollution Controlled Board, Assam.                               |
| (ii)  | No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.   | Agreed with.   |
| (iii) | The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. | We strictly followed the norms of Ministry Notification dated 19 <sup>th</sup> May 1993.   |
| (iv)  | At least four ambient air quality monitoring stations should be established in the downward direction  | Ambient air quality monitoring stations were established in consultation with Assam Pollution Control Board. Height of the stack |

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| SN.    | EC CONDITIONS  | COMPLIANCE STATUS  |
|--------|--|--|
|        | as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Shillong and the SPCB/CPCB once in six months.                                  | will increase to reduce the emission level. Ambient air quality and stack emission regularly monitored and reports are submitted regularly to the MoEF Guwahati, SPCB, CPCB. Monitoring reports are attached as <b>Annexure-I</b> .          |
| (v)    | Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.   | Being a zero-discharge unit no Industrial waste water is generated. Only domestic effluent is generated, which is dispose through ETP. However, construction of internal drainage system is completed.                                       |
| (vi)   | The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. On all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime). | The overall noise level in and around the plant are within the prescribed standards. We have undertaken all the necessary measures to control the noise levels within the limit. Noise monitoring report is attached as <b>Annexure-IV</b> . |
| (vii)  | Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.   | Occupational health check up (including lung function & sputum analysis) is being carried out regularly. Records are maintained as per factories Act.  |
| (viii) | The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.  | Rain water harvesting system is installed in such a way so that entire rain water will collect and then it is diverted to the pond located near the site for the storage and recharge of ground water table.                                 |
| (ix)   | The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.                   | Point is noted. We will undertake various Socio-economic activity in the surrounding village.  |
| (x)    | As proposed, Rs 35 lakhs and Rs. 10.5 lakhs shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as   | Proposed amount for CREP was used for environmental safeguard like Reverse Pulse Jet type Bag filters, environmental monitoring, installation of ETP and green belt development etc.   |

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| SN.    | EC CONDITIONS   | COMPLIANCE STATUS   |
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|        | the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Shillong. The funds so provided shall not be diverted for any other purpose.  |   |
| (xi)   | A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while the proposal. The clearance letter shall also be put on the web site of the company by the proponent.   | Copy of clearance letter from Panchayat/ NGO is already sent to MoEF.   |
| (xii)  | The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MoEF at Shillong. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>10</sub> , SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain. | Report on status of compliance of the stipulated environment clearance conditions along with monitoring reports will upload on our website <a href="http://www.agcement.com">www.agcement.com</a><br>Simultaneously reports are regularly sent to the Regional Office of MoEF Guwahati, CPCB Shillong. and the Pollution Control Board Assam. |
| (xiii) | The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Shillong/ CPCB / SPCB shall monitor the stipulated conditions   | Six monthly EC compliance report and monitoring data are regularly sent to Regional office of MoEF Guwahati, Zonal office of CPCB and PCB, Assam.   |
| (xiv)  | The environmental statement for each financial year ending 31st' March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also   | Environmental statement for the year 2022-23 is already sent.   |

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| SN.   | EC CONDITIONS  | COMPLIANCE STATUS |
|-------|--|-------------------|
|       | be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF at Shillong by e-mail.   |                   |
| (xv)  | The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Shillong. | Complied with.    |
| (xvi) | Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.   | Complied with.    |



# ABNS SCIENTIFIC SERVICES

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Phone: 98640 68513, 98640 89951

Annexure - I

## TEST REPORT

|   |  |
|---|--|
| Report No. : ABNS/EM/091923/16  | Date : 19/09/2023  |
| <b>Name &amp; Address of the Customer:</b>  |  |
| M/S A.G.CEMENT LLP<br>Kamarkuchi (NC), Taluka Panbari,<br>P.O: Tapesia, Dist: Kamrup (M), Assam.                              |  |
| Ref: ABNS/GHY/EM/091223/05  | Date of sampling: 12/09/2023                                     |
| <b>Sample Description: Ambient Air</b><br>Location : Towards West Side from the truck Paking area<br>Weather Condition: Clear | Analysis start Date: 13/09/2023<br>Analysis end Date: 19/09/2023 |
| <b>Environmental Condition:</b> Temperature 25.7°C, Relative Humidity: 67%  |  |

## ANALYSIS RESULT

| Sl No | Parameters                            | Unit  | RESULT | LIMIT | TEST METHOD                         |
|-------|---------------------------------------|-------|--------|-------|-------------------------------------|
| 1.    | Particulate Matter (<10um)            | µg/m³ | 97     | 100   | IS 5182: Part 23:2006 (Reaff. 2012) |
| 2.    | Particulate Matter (<2.5um)           | µg/m³ | 56     | 60    | Lab SOP.Doc.NO. TPM/ABNS/E/5/D      |
| 3.    | Sulphur Dioxide (SO₂)                 | µg/m³ | 8.17   | 80    | IS 5182 : Part 2 :2001 (Reaff.2012) |
| 4.    | Oxides of nitrogen (NO <sub>x</sub> ) | µg/m³ | 25.9   | 80    | IS 5182 : Part 6 :2006 (Reaff.2012) |

**NOTE:** Limit as per CPCB notification, New Delhi, 18<sup>th</sup> November 2009, for Ambient air quality

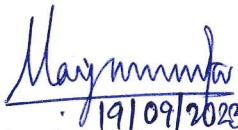
**Note:** The results relate to the parameter tested only.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarmah (TM)

  
19/09/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



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Annexure - I

## TEST REPORT

|  |                                 |
|--|---------------------------------|
| Report No. : ABNS/EM/091923/15   | Date : 19/09/2023               |
| <b>Name &amp; Address of the Customer:</b>                                 |                                 |
| <b>M/S A.G.CEMENT LLP</b>  |                                 |
| Kamarkuchi (NC), Taluka Panbari,   |                                 |
| P.O: Tapesia, Dist: Kamrup (M), Assam.                                     |                                 |
| Ref: ABNS/GHY/EM/091223/05   | Date of sampling: 12/09/2023    |
| <b>Sample Description: Ambient Air</b>                                     | Analysis start Date: 13/09/2023 |
| Location : South Side of the Plant Near Entrance Point                     | Analysis end Date: 19/09/2023   |
| Weather Condition: Clear   |                                 |
| <b>Environmental Condition:</b> Temperature 25.7°C, Relative Humidity: 67% |                                 |

## ANALYSIS RESULT

| Sl No | Parameters                            | Unit  | RESULT | LIMIT | TEST METHOD                         |
|-------|---------------------------------------|-------|--------|-------|-------------------------------------|
| 1.    | Particulate Matter (<10um)            | µg/m³ | 95     | 100   | IS 5182: Part 23:2006 (Reaff. 2012) |
| 2.    | Particulate Matter (<2.5um)           | µg/m³ | 54     | 60    | Lab SOP.Doc.NO. TPM/ABNS/E/5/D      |
| 3.    | Sulphur Dioxide (SO₂)                 | µg/m³ | 7.58   | 80    | IS 5182 : Part 2 :2001 (Reaff.2012) |
| 4.    | Oxides of nitrogen (NO <sub>x</sub> ) | µg/m³ | 27.3   | 80    | IS 5182 : Part 6 :2006 (Reaff.2012) |

**NOTE:** Limit as per CPCB notification, New Delhi, 18<sup>th</sup> November 2009, for Ambient air quality

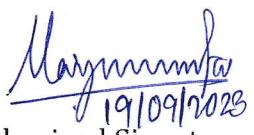
**Note:** The results relate to the parameter tested only.

-----*End of Report*-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarmah (TM)

  
19/09/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



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Annexure - I

Phone: 98640 68513, 98640 89951

## TEST REPORT

|  |  |
|--|--|
| Report No. : ABNS/EM/091923/21   | Date : 19/09/2023  |
| <b>Name &amp; Address of the Customer:</b>   |  |
| M/S A.G.CEMENT LLP<br>Kamarkuchi (NC), Taluka Panbari,<br>P.O: Tapesia, Dist: Kamrup (M), Assam.   |  |
| Ref: ABNS/GHY/EM/091223/05<br><br>Sample Description: Stack emission<br><br>Stack Connected to : Back Filter of Raw Material Feeding Section | Date of sampling: 12/09/2023<br><br>Analysis Start Date: 13/09/2023<br><br>Analysis End Date: 19/09/2023 |

## ANALYSIS RESULT

| SL NO | PARAMETERS                                 | RESULTS | METHOD                        |
|-------|--|---------|-------------------------------|
| 1     | Temperature of emission (°c)               | 109     | IS 1255 (Part III); Rffm:2003 |
| 2     | Barometric pressure (mm of Hg)             | 740     | USEPA Part 2-25/09/1996       |
| 3     | Velocity of Gas (m/sec)                    | 1.28    | IS 1255 (Part III); Rffm:2003 |
| 4     | Quantity of Gas Flow (Nm <sup>3</sup> /hr) | 0.84920 | IS 1255 (Part III); Rffm:2003 |
| 5     | Particulate Matters (mg/Nm <sup>3</sup> )  | 27.0    | IS 1255 (Part I)              |

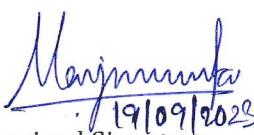
**Note:** The results relate to the parameter tested only.

-----End of Report-----

For ABNS Scientific Services,

Report reviewed By: Dr. Bidyut J Sarmah (TM)



  
19/09/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



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Annexure - I

Phone: 98640 68513, 98640 89951

## TEST REPORT

|   |                                 |
|---|---------------------------------|
| Report No. : ABNS/EM/091923/22  | Date : 19/09/2023               |
| <b>Name &amp; Address of the Customer:</b>  |                                 |
| <b>M/S A.G.CEMENT LLP</b><br>Kamarkuchi (NC), Taluka Panbari,<br>P.O: Tapesia, Dist: Kamrup (M), Assam. |                                 |
| Ref: ABNS/GHY/EM/091223/05  | Date of sampling: 12/09/2023    |
| Sample Description: Stack emission  | Analysis Start Date: 13/09/2023 |
| Stack Connected to : Back Filter of Cement Mill & Silo  | Analysis End Date: 19/09/2023   |

## ANALYSIS RESULT

| SL NO | PARAMETERS                                 | RESULTS | METHOD                        |
|-------|--|---------|-------------------------------|
| 1     | Temperature of emission (°c)               | 68      | IS 1255 (Part III); Rffm:2003 |
| 2     | Barometric pressure (mm of Hg)             | 740     | USEPA Part 2-25/09/1996       |
| 3     | Velocity of Gas (m/sec)                    | 1.38    | IS 1255 (Part III); Rffm:2003 |
| 4     | Quantity of Gas Flow (Nm <sup>3</sup> /hr) | 0.82514 | IS 1255 (Part III); Rffm:2003 |
| 5     | Particulate Matters (mg/Nm <sup>3</sup> )  | 21.0    | IS 1255 (Part I)              |

**Note:** The results relate to the parameter tested only.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarmah (TM)

19/09/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



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Phone: 98640 68513, 98640 89951

Annexure - I

## TEST REPORT

Report No. :

ABNS/EM/091923/18

Date

: 19/09/2023

### Name & Address of the Customer:

M/S A.G.CEMENT LLP

Kamarkuchi (NC), Taluka Panbari,

P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/091223/05

Date of Sample: 12/09/2023

Sample Description: Stack Emission (DG)

Analysis start Date: 13/09/2023

Description of DG: 125 KVA

Analysis end Date: 16/09/2023

Environmental Condition: Temperature 26.9°C, Relative Humidity: 68%

## ANALYSIS RESULTS

| S/N | Parameter               | Unit                | Reference Method        | Result                   |
|-----|-------------------------|---------------------|-------------------------|--------------------------|
|     |                         |                     |                         | Stack attached to DG Set |
| 1   | Velocity                | m/s                 | IS 11255(part -3)1985   | <b>2.14</b>              |
| 2   | Barometric pressure(Hg) | mm                  | IS 196: 1996 (RA- 2001) | <b>740</b>               |
| 3   | Quantity of gas flow    | Nm <sup>3</sup> /hr | IS 11255(part -3)1985   | <b>0.83986</b>           |
| 4   | Temperature             | °C                  | IS 11255(part -3)1985   | <b>137</b>               |
| 5   | CO                      | g/kW-hr             | IS 13270:1992 (RA-1999) | <b>2.5</b>               |
| 6   | NOx + HC                | g/kW-hr             | IS 11255(part -7)1985   | <b>3.4</b>               |
| 7   | Particulate matter (PM) | g/kW-hr             | IS 11255(part -I)1985   | <b>0.17</b>              |

**Emission Standard for DG Set:**

| Capacity of Diesel Engines | Emission Limits<br>(g/kW-hr) |       |                            |
|----------------------------|------------------------------|-------|----------------------------|
|                            | NOx + HC                     | CO    | Particulate matter<br>(PM) |
| More than 75kW up to 800kW | ≤ 4.0                        | ≤ 3.5 | ≤ 0.2                      |

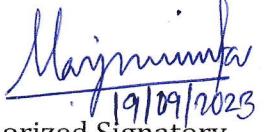
**Note:** The results relate to the parameter tested only.

-----End of Report-----

For ABNS Scientific Services,

Report reviewed By: Dr. Bidyut J Sarma (TM)



  
19/09/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



# ABNS SCIENTIFIC SERVICES

এবিএনএস সাইেন্টিফিক সার্ভিসেজ

ABNS SCIENTIFIC SERVICES

## Annexure - II

NABL accredited and Pollution Control Board recognised laboratory

Keteki Path, Gotanagar, near Radisson Blu, NH 27, Guwahati 781033, Assam

কেটেকী পথ, গোটানগর, রেডিসন ব্লু কে পাস, এন এইচ ২৭, গুৱাহাটী ৭৮১০৩৩, অসম

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

## TEST REPORT

|   |  |
|---|--|
| Report No. : ABNS/EM/091923/20  | Date : 19/09/2023  |
| <b>Name &amp; Address of the Customer:</b>  |  |
| M/S A.G.CEMENT LLP<br>Kamarkuchi (NC), Taluka Panbari,<br>P.O: Tapesia, Dist: Kamrup (M), Assam.                |  |
| Ref: ABNS/GHY/EM/091223/05  | Date of sampling: 12/09/2023                                     |
| <b>Sample Description:</b> Fugitive Air<br>Location : Near Loading & Unloading Area<br>Weather Condition: Clear | Analysis start Date: 13/09/2023<br>Analysis end Date: 19/09/2023 |
| <b>Environmental Condition:</b> Temperature 28.4°C, Relative Humidity: 76%                                      |  |

## ANALYSIS RESULT

| SL NO | LOCATION/SOURCE               | FUGITIVE (SPM)<br>( $\mu\text{g}/\text{m}^3$ ) | PROTOCOL            |
|-------|-------------------------------|--|---------------------|
| 1     | Near Loading & Unloading Area | 982.0  | IS 5182 (P-4): 1999 |

**Note:** The results relate to the parameter tested only.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarma (TM)

19/09/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



# ABNS SCIENTIFIC SERVICES

এবিএনএস সাইণ্টিফিক সর্ভিসেজ  
ABNS SCIENTIFIC SERVICES

Annexure - III

NABL accredited and Pollution Control Board recognised laboratory

Keteki Path, Gotanagar, near Radisson Blu, NH 27, Guwahati 781033, Assam

কেটেকী পথ, গোটানগর, রেডিসন ব্লু কে পাস, এন এইচ ২৭, গুৱাহাটী ৭৮১০৩৩, অসম

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

## TEST REPORT

Report No. : ABNS/EM/091923/21 Date : 19/09/2023

### Name & Address of the Customer:

M/S A.G.CEMENT LLP

Kamarkuchi (NC), Taluka Panbari,  
P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/091223/05

Date of receipt of sample: 12/09/2023

Sample Description: Waste Water

Analysis start Date: 13/09/2023

Source: ETP Outlet

Analysis end Date: 19/09/2023

Environmental Condition: Temperature: 26.4 °c, Humidity: 67%

### ANALYSIS RESULT

| Sl. No. | Water Quality PARAMETERS                      | UNIT | RESULT | REFERENCE METHOD                        | Permissible limit (CPCB) |
|---------|---|------|--------|---|--------------------------|
| 1       | pH  | -    | 7.19   | IS 3025 (Part 11)1983 (Reaffirmed 2017) | 5.5 – 9.0                |
| 2       | Total Suspended Solids (TSS)                  | mg/L | 29.0   | IS 3025 (Part 17)1984 (Reaffirmed 2017) | 100mg/L                  |
| 3       | Total Dissolved Solids (TDS)                  | mg/L | 362.0  | IS 3025 (Part 16)1984 (Reaffirmed 2017) | 2100mg/L                 |
| 4       | Total Kjeldahl Nitrogen (as NH <sub>3</sub> ) | mg/L | 25.2   | IS 3025 (Part 34)                       | 100mg/L                  |
| 5       | BOD   | mg/L | 17.0   | IS 3025 (Part 44)1993 (Reaffirmed 2019) | 30mg/L                   |
| 6       | COD   | mg/L | 82.0   | IS 3025 (Part 58)2006: Reaffirmed 2017  | 250mg/L                  |
| 7       | Oil and grease                                | mg/L | 7.13   | IS 3025 (Part 39)1991 (Reaffirmed 2019) | 10mg/L                   |

**Note:** The results relate to the parameter tested only.

-----End of Report-----

For ABNS Scientific Services

Report reviewed By: Dr. Bidyut J Sarmah (TM)



Mayur Jyoti Mahanta  
19/09/2023

Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



# ABNS SCIENTIFIC SERVICES

এবিএনএস চাইটিফিক ছার্টিজে

এবিএনএস সাইণ্টিফিক সর্বসেবা

Annexure - IV

NABL accredited and Pollution Control Board recognised laboratory

Keteki Path, Gotanagar, near Radisson Blu, NH 27, Guwahati 781033, Assam

কেতেকী পথ, গোটানগর, রেডিসন ব্লু কে পাস, এন এইচ ২৭, গুৱাহাটী ৭৮১০৩৩, অসম

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

## TEST REPORT

Report No. : ABNS/EM/091923/17

Date : 19/09/2023

### Name & Address of the Customer:

M/S A.G.CEMENT LLP

Kamarkuchi (NC), Taluka Panbari,

P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/091223/05

Date of Survey: From : 12/09/2023-13/09/2023

Sample Description: Noise Level

## ANALYSIS RESULT

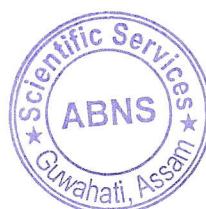
| Sl. No. | Test Locations       | Day Time - dB(A) Results | Reference Method |
|---------|----------------------|--------------------------|------------------|
| 1       | Near Main Gate       | 68.2                     | IS 9989-2003     |
| 2       | Near Office Building | 70.5                     |                  |
| 3       | Near Packing Plant   | 73.2                     |                  |

-----End of Report-----

**Note:** The results relate to the parameter tested only

For ABNS Scientific Services,

Report reviewed By: Dr. Bidyut J Sarmah (TM)



*Mayur Jyoti Mahanta*  
19/09/2023

Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



# ABNS SCIENTIFIC SERVICES

বিশ্ববিদ্যালয় প্রকৌশল এবং পরিবেশ বৈজ্ঞানিক প্রতিষ্ঠান  
एवीএনএস সাইণ্টিফিক সর্ভিসেজ

Annexure - IV

NABL accredited and Pollution Control Board recognised laboratory

Keteki Path, Gotanagar, near Radisson Blu, NH 27, Guwahati 781033, Assam

কেতেকী পথ, গোটানগর, রেডিসন ব্লু কে পাস, এন এইচ ২৭, গুৱাহাটী ৭৮১০৩৩, অসম

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

## TEST REPORT

Report No. : ABNS/EM/091923/19

Date : 19/09/2023

**Name & Address of the Customer:**

**M/S A.G.CEMENT LLP**

Kamarkuchi (NC), Taluka Panbari,  
P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/091223/05

Sample Description: Noise Level (DG)

Date of Sample: 12/09/2023

Description of DG: 125 KVA

## ANALYSIS RESULT

| Sl. No. | Test Locations | Approx. distance from source | Noise Level in dB(A) in Leq | Remarks                | Reference Method |
|---------|----------------|------------------------------|-----------------------------|------------------------|------------------|
| 1       | 125 KVA        | 1 meter-East                 | 74.1                        | DG Set is in operation | IS 9989-2003     |
| 2       |                | 1 meter-North                | 72.8                        |                        |                  |
| 3       |                | 1 meter-West                 | 73.2                        |                        |                  |
| 4       |                | 1 meter-South                | 73.7                        |                        |                  |

Note:

- The results relate to the parameter tested only.
- All data are collected during day time.
- Acoustic Enclosure Enclosed.
- Noise Level for DG set 75dB (A) at 1 meter distance.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarma (TM)

19/09/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)

## TEST REPORT

Report No. : ABNS/EM/081223/11

Date : 12/08/2023

**Name & Address of the Customer:**

**M/S A.G.CEMENT LLP**

Kamarkuchi (NC), Taluka Panbari,

P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/080923/03

Date of Sample: 09/08/2023

**Description of DG: 125 KVA**

## ANALYSIS RESULT

**Note:**

| Sl. No. | Test Locations | Approx. distance from source | Noise Level in dB(A) in Leq | Remarks                | Reference Method |
|---------|----------------|------------------------------|-----------------------------|------------------------|------------------|
| 1       | 125 KVA        | 1 meter-East                 | 73.5                        | DG Set is in operation | IS 9989-2003     |
| 2       |                | 1 meter-North                | 74.3                        |                        |                  |
| 3       |                | 1 meter-West                 | 72.9                        |                        |                  |
| 4       |                | 1 meter-South                | 74.8                        |                        |                  |

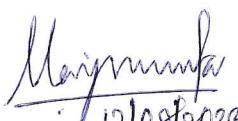
- The results relate to the parameter tested only.
- All data are collected during day time.
- Acoustic Enclosure Enclosed.
- Noise Level for DG set 75dB (A) at 1 meter distance.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarma (TM)

  
12/08/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)



# ABNS SCIENTIFIC SERVICES

এবিএনএস সাইেন্টিফিক সার্ভিসেজ

ABNS SCIENTIFIC SERVICES

Annexure - IV

NABL accredited and Pollution Control Board recognised laboratory

Keteki Path, Gotanagar, near Radisson Blu, NH 27, Guwahati 781033, Assam

কেটেকী পথ, গোটানগর, রেডিসন ব্লু কে পাস, এন এইচ ২৭, গুৱাহাটী ৭৮১০৩৩, অসম

Email: info@abnsscientific.com, abnsscientific@gmail.com

Phone: 98640 68513, 98640 89951

## TEST REPORT

Report No. : ABNS/EM/071723/13

Date : 17/07/2023

### Name & Address of the Customer:

M/S A.G.CEMENT LLP

Kamarkuchi (NC), Taluka Panbari,

P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/071323/02

Date of Sample: 13/07/2023

Sample Description: Noise Level (DG)

Description of DG: 125 KVA

## ANALYSIS RESULT

| Sl. No. | Test Locations | Approx. distance from source | Noise Level in dB(A) in Leq | Remarks                | Reference Method |
|---------|----------------|------------------------------|-----------------------------|------------------------|------------------|
| 1       | 125 KVA        | 1 meter-East                 | 74.3                        | DG Set is in operation | IS 9989-2003     |
| 2       |                | 1 meter-North                | 72.9                        |                        |                  |
| 3       |                | 1 meter-West                 | 73.7                        |                        |                  |
| 4       |                | 1 meter-South                | 74.5                        |                        |                  |

### Note:

- The results relate to the parameter tested only.
- All data are collected during day time.
- Acoustic Enclosure Enclosed.
- Noise Level for DG set 75dB (A) at 1 meter distance.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarma (TM)

17/07/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)

## TEST REPORT

Report No. : ABNS/EM/061023/16

Date : 10/06/2023

**Name & Address of the Customer:**

**M/S A.G.CEMENT LLP**

Kamarkuchi (NC), Taluka Panbari,  
P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/060623/05

**Sample Description: Noise Level (DG)**

Date of Sample: 06/06/2023

**Description of DG: 125 KVA**

## ANALYSIS RESULT

| Sl. No. | Test Locations | Approx. distance from source | Noise Level in dB(A) in Leq | Remarks                | Reference Method |
|---------|----------------|------------------------------|-----------------------------|------------------------|------------------|
| 1       | 125 KVA        | 1 meter-East                 | 73.5                        | DG Set is in operation | IS 9989-2003     |
| 2       |                | 1 meter-North                | 74.6                        |                        |                  |
| 3       |                | 1 meter-West                 | 73.4                        |                        |                  |
| 4       |                | 1 meter-South                | 74.1                        |                        |                  |

Note:

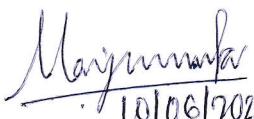
- The results relate to the parameter tested only.
- All data are collected during day time.
- Acoustic Enclosure Enclosed.
- Noise Level for DG set 75dB (A) at 1 meter distance.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarma (TM)

  
10/06/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)

## TEST REPORT

Report No. : ABNS/EM/051523/09 Date : 15/05/2023

**Name & Address of the Customer:**

**M/S A.G.CEMENT LLP**

Kamarkuchi (NC), Taluka Panbari,

P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/051023/06

Date of Sample: 10/05/2023

Description of DG: 125 KVA

## ANALYSIS RESULT

**Note:**

| Sl. No. | Test Locations | Approx. distance from source | Noise Level in dB(A) in Leq | Remarks                | Reference Method |
|---------|----------------|------------------------------|-----------------------------|------------------------|------------------|
| 1       | 125 KVA        | 1 meter-East                 | 72.9                        | DG Set is in operation | IS 9989-2003     |
| 2       |                | 1 meter-North                | 73.6                        |                        |                  |
| 3       |                | 1 meter-West                 | 74.2                        |                        |                  |
| 4       |                | 1 meter-South                | 73.8                        |                        |                  |

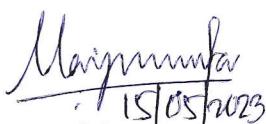
- The results relate to the parameter tested only.
- All data are collected during day time.
- Acoustic Enclosure Enclosed.
- Noise Level for DG set 75dB (A) at 1 meter distance.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarma (TM)

  
15/05/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)

## TEST REPORT

Report No. : ABNS/EM/041823/15

Date : 18/04/2023

**Name & Address of the Customer:**

**M/S A.G.CEMENT LLP**

Kamarkuchi (NC), Taluka Panbari,  
P.O: Tapesia, Dist: Kamrup (M), Assam.

Ref: ABNS/GHY/EM/041223/03

**Sample Description: Noise Level (DG)**

Date of Sample: 12/04/2023

**Description of DG: 125 KVA**

## ANALYSIS RESULT

| Sl. No. | Test Locations | Approx. distance from source | Noise Level in dB(A) in Leq | Remarks                | Reference Method |
|---------|----------------|------------------------------|-----------------------------|------------------------|------------------|
| 1       | 125 KVA        | 1 meter-East                 | 73.6                        | DG Set is in operation | IS 9989-2003     |
| 2       |                | 1 meter-North                | 74.7                        |                        |                  |
| 3       |                | 1 meter-West                 | 74.3                        |                        |                  |
| 4       |                | 1 meter-South                | 73.5                        |                        |                  |

Note:

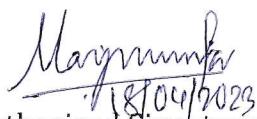
- The results relate to the parameter tested only.
- All data are collected during day time.
- Acoustic Enclosure Enclosed.
- Noise Level for DG set 75dB (A) at 1 meter distance.

-----End of Report-----

For ABNS Scientific Services,



Report reviewed By: Dr. Bidyut J Sarma (TM)

  
18/04/2023  
Authorized Signatory  
(Dr. Mayur Jyoti Mahanta)