Dalmia
Bharat Cement

newthink! cement! sugar! refractories! power!

Ref: CCIL/USO/EHS/2020-21/01 **Dated: 21/10/2020**

To,

The Joint Director,
Ministry of Environment Forest & Climate Change
Govt. of India, North Eastern Regional Office,
Shillong, Meghalaya - 793021.

Subject: Submission of Six Monthly Compliance Report of condition of environment clearance of **M/S Calcom Cement India Limited** located at Umrongso Assam-788931.

Dear Sir,

With reference to the stipulations of Environment Clearance, please find enclosed herewith the Six Monthly Compliance report for the period of 1st April 2020 to 30th Sept. 2020 for Calcom Cement India Limited, Umrongso. The compliance report will be up loaded in our company website **www.dalmiabharat.com** within 15 days.

Kindly acknowledge the receipt of the same.

Thanking you,

For Calcom Cement India Limited.

(Authorized Signatory)

CC to:
1) The Regional Executive Engineer,
Regional Office, Silchar, Pollution Control Board, Assam.
2) The Zonal Officer
Central Pollution Control Board,
Shillong, Meghalaya-793 014.
3) SEIAA Guwahati

Calcom Cement India Limited
*Subsidiary of **Dalmia Cement (Bharat) Limited***
16 Kilo, Jamuna Nagar, Umrongsho, Dist Dima Hasao, Assam-788931, India
91 3670 291684 www.dalmiacement.com

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Dalmia
Bharat Group

Calcom Cement India Ltd.

Environmental Clearance - Half Yearly Compliance Report (April 20- September 20)

Ref: *Environment Clearance No. SEIAA.535/2015/EC/86/369, dated 12th January, 2016.* **EC to Cement (Clinker) Plant 0.98 MTPA at Jamunanagar, Umrangshu, Dist. Dima Hasao, Assam by M/S Calcom Cement India Ltd.**

	Conditions	Compliance Status
A	**Specific Conditions**	
(1)	Installed electrostatic precipitators (ESPs) to clinker cooler and reverse air bag house to pre-calcinator kiln & raw mill to control emission within the prescribed limit as per the new MoEF & CC standard wide GSR 612(E) dated 25/08/2014. Bag house/Bag filter shall be provided to cement mill and packing plant to control SPM emission. Bag filter shall be provided to crushers, coal drying & grinding unit, hopper blending silo/kiln feed, raw mill hoper, cement silo, cement silo top, packing plant and at all other places including transfer points, venting auxiliaries etc. to reduce particulate matter. Performance study of the pollution control devices shall be conducted yearly to ensure their efficiency.	**Complied**: • We have installed all the pollution control equipment in order to meet the desired emission standards of 30 mg/Nm3, as revised by Gazette Notification G.S.R. 612 (E) dated 25th Aug. 2014 and as amended vide Gazette Notification G.S.R. 497 (E) dated 10th May 2016. • Dust collected is being recycled back into the process. • Covered stockpiles have been provided for limestone, Coal and clinker is stored in silo. • The project is a clinkerisation unit. No cement grinding facility was proposed. • Performance study has been carried out and 786 bag filters have been replaced. It is also monitored online in CCR.
(2)	Continuous monitoring system to monitor gaseous emission shall be provided and limit shall be confirming to the prescribed standards framed by MoEF/CPCB by installing adequate air pollution control system. Data on ambient air quality stack emissions and fugitive emissions shall be displayed in public domain and also regularly submitted on-line to the SEIAA, Assam & regional office MoEF at Shillong, and central pollution board (CPCB) as well as hard copy once in six months.	**Complied.** • We have installed all the pollution control equipment in order to meet the desired emission standards of 30 mg/Nm^3, as revised by Gazette Notification G.S.R. 612 (E) dated 25th Aug. 2014 and as amended vide Gazette Notification G.S.R. 497 (E) dated 10th May 2016 and data are being monitored from the following stacks and are being transmitted regularly to CPCB/PCB, Assam Servers.

		<table><tr><th>Sn</th><th>Unit as per CPCB</th><th>Stacks attached to Process (with Parameters to be monitored)</th></tr><tr><td>1</td><td>Integrated Cement Plants (200 TPD and Above)</td><td>1. Raw Mill/Kiln – (PM, SO2, NOx) 2. Clinker Cooler- (PM) 3. Coal Mill- (PM) 4. Cement Mill (PM)- Not Applicable in Our Case</td></tr></table> • One continuous Ambient air quality monitoring station has also been established and data are being transmitted continuously to CPCB/PCB, Assam server. • Monitored data from stack and ambient levels are also displayed in the public domain outside the plant gate. • Report of ambient air quality and stack emission monitoring report attached as **Annexure-I**
(3)	The company shall install adequate dust collection and extraction system to control fugitive dust emission at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Crushers shall be operated with high 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 coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.	**Complied** • Total 28 no. of Dust collectors have been installed in plant at each transfer points & other locations such as Lime stone stacker to Hopper, Hopper discharge to Raw mill, all Elevator feeding and discharge points, Clinker bulk loading system etc. • Covered stockpiles are being used for storage of materials. Roads are concreted. • Dry Fog System has been installed at crusher to control fugitive Emission. All conveyors are covered with GI sheets. Photos attached as **Annexure-II**
(4)	Dust suppression by regular water sprinkling shall be carried out in plant areas prone to air pollution and having high level of SPM and RPM such as haul road, loading and unloading points, transfers points and other vulnerable area to control fugitive emission. Fugitive emission shall also be controlled by dust suppression and water sprinkling system. It shall be ensured that the ambient air quality	**Complied** • Regular water sprinkling is being carried out to suppress the dust emission on haul road and plant area prone to air pollution. • Total 28 no. of Dust collectors have also been installed in plant at each transfer points & other locations

	parameters conform to the norms prescribed by the central pollution board in this regard.	• Ambient air quality parameters are within permissible limit.
(5)	Effort shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agriculture land. All the raw materials including fly ash shall be transported in the closed containers only and should not be overloaded. Vehicular emission shall be regularly monitored.	**Complied.** • The raw materials within the plant are transported by closed conveyors. • End products are being transported with covered and PUC certified vehicles. Vehicular emission is being monitored regularly. • It may also be noted that entire stretch of Umrangshu –Lanka road (43 km) has been constructed/strengthened at a cost of approx.- 3923426 Lakh under PP during (April- September 20)
(6)	Secondary fugitive emission from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regular monitored. Guidelines/code of practice issued by the CPCB shall be followed.	**Complied**
(7)	Efforts shall be made to reduce impact of transport of the raw materials and end products on the surrounding environment including agriculture land/ tea garden etc. All the raw materials including fly ash shall be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored. Measure shall be taken for maintenance of vehicles used in mining operations and in transportation of minerals.	**Complied.** • The raw materials are transported by closed conveyors. • End products are being transported with covered and PUC certified vehicles. Vehicular emission is being monitored regularly. • Attached PUC certificate as **Annexure-III**
(8)	Asphalting/concreting of road and water spray all around the critical areas prone to air pollution and having high levels of SPM and RPM shall be ensured.	**Complied.** • All the internal roads within the plant are concreted. Regular water sprinkling is carried out through mobile sprinklers.
(9)	Total water requirement from surface /ground water source shall not exceed 585.00 m3/day. Water efficient technology shall be provided to conserve water. Treated water shall be used in dust suppression and green development etc. 'Zero" discharge shall be strictly adopted and no effluent shall be discharged.	**Complied** Water requirement has not exceeded 585 KLD. • No waste water is discharged out of the site premises and treated waste water is being utilized for greenbelt development/dust suppression.

		• Domestic Waste water generated is being disposed off into STP • 'Zero" discharge is strictly adopted.
(10)	Permission for the drawl of 585 KLD water from Longlai river shall be obtained from the concerned department if necessary.	**Complied.** • Copy of permission letter has already been submitted with the previous compliance report.
(11)	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 mines lease area. All the treated waste water shall be used for gardening/ agriculture purpose and dust suppression. Domestic waste from colony and solid waste (MSW) from industrial area shall be segregated into bio-degradable waste and non-biodegradable. Bio-degradable waste shall be composted and non-biodegradable waste shall be disposed off in environment friendly manner or filled at identified sites only after proper treatment.	**Complied** • STP is constructed. • At present, Domestic effluent is being diverted in the STP. • Domestic & industrial solid wastes are segregated and stored at designated places. Bio-degradable wastes are composted.
(12)	The project proponent shall ensure that no natural water course shall be obstructed due to any operations.	**Complied.** • No natural water course is disturbed. In addition, due to the terrain, storm water drains with check filters and retaining walls have been constructed.
(13)	Suitable conservation measure to augment ground water resources in the area shall be planned and implemented in consultant with concerned authority.	**Noted.** • Ground water is not being abstracted for any purpose. As mentioned above, 2 nos. of water tank have been constructed in surrounding villages to augment spring water and are being maintained.
(14)	The project proponent shall take appropriate mitigation measure to prevent pollution of nearby river and other surface water body, if any.	**Complied.** • Permanent drain is constructed with RR masonry around the coal storage yard which prevents the mixing of suspended particles and solid wash offs with rain water.

		• Zero discharge is strictly adopted. Treated waste water is being utilized for greenbelt development/dust suppression.
(15)	All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and recycled and reused in the process and used for cement manufacturing. Clay & shale generated as solid waste in the mine area shall be used for manufacturing clinker. Refractory bricks shall be sold to authorize agencies. ETP sludge shall be dried, compressed and used for land filling. Treated sewage shall be used as manure for green belt development. Waste oil, grease and scrapped automobiles batteries shall be provided to the authorized recycled/re-processors.	**Complied** • Dust collected is being recycled back into the process. • Refractory bricks lining, having high recycling values, will be disposed off to external vendors. • Waste oil, grease and scrapped automobiles batteries are provided to the authorized vendors. • ETP plant is installed and all necessary measures ensured •
(16)	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.	**Complied** • We are already utilizing saw dust along with Raw coal as AFR in the Kiln. We have already initiated process to procure lime sludge from Jagi road paper mill and we have received permission for usage of Lime sludge. • Availability and feasibility of co-processing of hazardous waste is studied. We have obtained permission for co- processing of Hazardous waste and accordingly we are doing co- processing of Hazardous waste
(17)	As proposed, green belt shall be developed in (33%) of the total land in the cement plant as per the CPCB guidelines in consultation with local DFO to mitigate the impact of fugitive emissions. A long term plan for the plantation / afforestation / green belt development etc. shall be prepared and submitted to the SEIAA, Assam and Regional office of MoEF at shilling and implemented.	**Complied** • Green belt has been developed in consultation with the local DFO. Out of proposed 6 ha, 6.04 ha area has already been developed under greenbelt and being maintained.
(18)	All the safety norms stipulated by the Directors General, Mines & Safety (DGMS) shall be implemented. On site & off site emergency plan shall be prepared in consultant with respective authorities and implement accordingly.	**Complied**

(19)	'Consent to Operate' shall be obtained from State Pollution Control Board, Assam.	**Complied.** The Consent to Operate has been obtained and renewed periodically. The latest CTO is valid up to 31st March 2021 .
(20)	Acoustic enclosures shall be provided to control noise wherever necessary. Noise shall be controlled from cooler fans, compressor house, cement mill and raw mill, cement plant using appropriate noise control measures.	**Complied** • Silencers are provided at all high noise level machineries. Noise Monitoring report attached as Annexure-IV
(21)	All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the cement plant shall be implemented.	**Complied** • Recommendation for CREP is implemented. RABH, ESP, Stack are installed as per guidelines of CPCB.
(22)	The company shall comply with the commitments made during public consultation for the expansion project.	• Being Complied in phase wise manner. Status of implementation attached as **Annexure-V.**
(23)	The Company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the project.	**Complied.** No new construction activity undertaken or proposed.
B	**General Conditions**	
(1)	The project authority must adhere to the stipulation made by State Pollution Control Board, Assam and State Government.	**Complied** • We are committed to follow the stipulations made by Assam Pollution Control Board & State Government.
(2)	No further expansion or modification of the plant shall be carried out without prior approval of SEIAA, Assam.	**Noted for Compliance**
(3)	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2 and NOX are anticipated in consultant with the State Pollution Control Board, Assam. Data or ambient air quality and stack emission shall be submitted to the SEIAA, Assam	**Complied** • We have already installed a continuous online ambient air quality monitoring system and it is connected to the PCB, Assam/CPCB server. We have also carried out Ambient air quality monitoring by

	including Regional office MoEF at Shillong and State Pollution Control Board Assam once in six months.	third party (NABL accredited laboratory) additionally at three locations as Per NAAQ standard. Reports attached as Annexure- **I**
(4)	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. The treated waste water shall be utilized to plantation purpose.	**Noted for Compliance** • As the plant is based on dry process technology, no process waste water is generated. Effluent/Waste water from RO plant is being used for dust suppression/plantation.
(5)	The overall noise levels in the and around the plant area shall be kept well within the standards (85dbA) by providing noise control measure including acoustic hoods silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986, Rules viz. 75 bdA (day time) and 70 dbA (night time).	**Complied** • Noise abatement measures have been provided at appropriate places in order to meet the standards prescribed and same is being maintained. Noise Monitoring report attached as Annexure-IV
(6)	Proper housekeeping and adequate occupational health programs must be taken up. Occupational Health Surveillance program shall be done on a regular basis and maintained records. The program must include function and sputum analysis test once in six month.	**Complied** • Housekeeping is proper. Occupational health surveillance Programme is being conducted regularly and records are maintained. Pre-employment health checkup has been conducted for all the employees. • Lung function test and sputum analysis carried out once in six month is attached as **Annexure-VI**
(7)	The company shall harvest the rainwater from the roof tops and storm water drains for utilizing in the lean season besides recharging the ground water table.	• The area falls under safe zone for ground water development. Although the area receives very high rainfall. The Area is surrounded by rugged and mountainous terrain exhibits an undulating topography with cliff faces covered with bushes & trees. • Looking into the site conditions, it is not feasible to harvest rain water. However, storm water drains along with retaining

<table>
<tr><td></td><td></td><td>walls have been constructed to channelize the rain water.
• Additionally, we have constructed 1 nos. of ring well and 1 no. check dam in the surrounding villages for collection of spring water.</td></tr>
<tr><td>(8)</td><td>The company shall under take eco-development measure including community welfare measure in the project area.</td><td>Complied
• The plant and the VCL mines share the same buffer area therefore a combined budget of 2.54 Crore was earmarked by the parent Company DCBL during Environmental Clearance for Various development activities in-line with the Need Based Assessment & participatory ruler appraisal. Following activities have been undertaken.

<table><tr><td>Sector / Activitiess</td><td>No.</td></tr><tr><td>Capacity Building and training of Farmers</td><td>68</td></tr><tr><td>Construction of ring well</td><td>01</td></tr><tr><td>Construction of Check dam</td><td>01</td></tr></table>
• Expenditure incurred towards various social welfare measures are of Rs. Ninety Thousand Five hundred Fifty Five rupees during April- September 2020.

The details of activities undertaken, are attached as Annexure VII.</td></tr>
<tr><td>(9)</td><td>The project proponent shall also comply with all the environmental protection measure and safeguards recommended in the EIA/EMP.</td><td>Complied and Agree to comply.</td></tr>
<tr><td>(10)</td><td>A separate environmental management cell with full fledge laboratory facilities to carry out various</td><td>• A common Environmental Cell is established at the plant for looking after all</td></tr>
</table>

	management and monitoring functions shall be set up under the control of Senior Executive.	the environmental matters of plant and mine. • The Environmental Cell is under the control of Sr. Manager reporting directly to the Unit Head. Laboratory facilities are limited as Environmental Monitoring is carried out by third party NABL Accredited laboratories approved with PCB, Assam. We have a common Laboratory facility with quality control to carry out routine work.
(11)	Rs. 11.02 crores spent towards capital cost and as proposed Rs. 3.52 lakhs earmarked towards recurring cost/ annum for the environmental protection measure and Rs. 2.54 crores for CSR activities for five years to implement the conditions stipulated by the SEIAA, Assam as well as the Ministry & State Govt. and submit implementation schedule for all the conditions stipulated herein SEIAA, Assam. The funds so provided shall not be diverted for any other purposes.	**Complied.** • We have already spent 11.02 Cr. towards capital cost in installing various pollution control devices & implementation of other environmental protection measures. • Out of 2.54 Cr. earmarked towards Social – Development activities for the period 2016-20. Rs. Ninety Thousand Five hundred Fifty Five rupees during April-September 2020. • Recurring cost spent of Rs. 794719 Lakh for the maintenance of pollution control devices during April- September 2020.
(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 seven days from the date of the clearance letter at least in 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 & Regional office, MoEF at Shillong.	**Complied**
(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 whom suggestion / representation if any were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	• Complied. Environmental clearance obtained and uploaded on company's website i.e. www.dalmiacement.com

(14)	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including result of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the SEIAA, Assam, Regional office of the MoEF, Shllong & PCB, Assam. The criteria pollutant levels namely: PM (stack), PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameter indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	**Complied** • Half Yearly Compliance Report along with Environmental Clearance is uploaded on company's website i.e. www.dalmiacement.com and updated periodically. • The criteria pollutant levels namely: PM (stack), PM10, PM2.5, SO2, NOx (ambient levels as well as stack emissions) are monitored continuously online and displayed at main gate of the company in the public domain.
(15)	The project proponent shall also submit six month 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 email) to the SEIAA, Assam/ Regional Office of MoEF, the respective Zonal office of CPCB and the SPCB. The SEIAA, Assam / Regional office of MoEF at shilling shall monitor the stipulated conditions.	**Complied**
(16)	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 SEIAA, Assam and PCB, Assam as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall be sent to the SEIAA, Assam & regional office of MoEF, Shillong.	Complied and agrees to comply. **Attached as an Annexure VIII**
(17)	The SEIAA, Assam may revoke or suspend the clearance if implementation of any of the above conditions is not found satisfactory.	**Noted**
(18)	Any other conditions or alternation in the above conditions will have to be implemented by the project proponent in a time bound manner.	**Noted**
(19)	The above conditions will be enforced, inter-alia under the provision of the water (Prevention and Control of Pollution) Act, 1974 and the public Liability Insurance Act, 1991 along with their amendments and rules.	**Noted.**

ENVIROCON
Recognised By
PCB, Assam & MSPCB, Meghalaya

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ISO 9001 DNV Certified
OHSAS 18001 DNV Certified

Report No. : ENV/CCIL/DMH/20-21/AA-01
Date : 09/10/2020

Order No. : 4556000234/116
Date :

CALCOM CEMENT INDIA LIMITED
(Unit of Dalmia Cement (Bharat) Ltd.)
Village: Jamunagar-16 Kilo, Umrangso
Dist.- Dima Hasao; Assam- 788931

AMBIENT AIR QUALITY TEST RESULTS

LOCATIONS ↓	**Date of Sampling**	**PM 2.5 (µg/m³)**	**PM 10 (µg/m³)**	**SO_2 (µg/m³)**	**NO_2 (µg/m³)**	**NH_3 (µg/m³)**	**CO (mg/m³)**	**O_3 (µg/m³)**	**B(a)P (ng/m³)**	**C_6H_6 (µg /m³)**	**Ni (ng/m³)**	**As (ng/m³)**	**Pb (µg/m³)**
LIMITS →	--	60 (24 hrs. Average)	100 (24 hrs. Average)	80 (24 hrs. Average)	80 (24 hrs. Average)	400 (24 hrs. Average)	4.0 (1 hr. Average)	180 (1 hr. Average)	1.0 (Annual Average)	5.0 (Annual Average)	20 (Annual Average)	6.0 (Annual Average)	1.0 (24 hrs. Average)
CCR Building	28.09.2020	21.8	48.2	4.3	5.4	4.1	<0.05	1.8	ND	ND	<0.05	<0.1	ND
Near Dispensary	28.09.2020	18.6	42.7	ND	ND	<1.0	ND	0.42	ND	ND	<0.05	ND	ND
Near Shiv Temple	29.09.2020	18.9	43.6	ND	ND	<1.0	ND	<0.01	ND	ND	<0.05	ND	ND

Analysis Protocol: **IS 5182**

ND: Not Detected

ENVIROCON Recognized by Pollution Control Board, Assam

Checked By: Pankaj Baroi, **ENVIROCON**

NOTE:
1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
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CALCOM CEMENT INDIA LIMITED
(Unit of Dalmia Cement (Bharat) Ltd.)
Village: Jamunagar-16 Kilo, Umrangso
Dist.- Dima Hasao; Assam- 788931

STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	CAL/SE/2020/09-01
02	Date of Sampling	29.09.2020
03	Material of Construction	M. S.
04	Stack Attached To	R.A.B.H
05	Stack Height From Ground Level (Meter)	55
05	Stack Diameter (Meter)	3.8
06	Flue Gas Temperature (^{0}C)	161
07	Exit Velocity of Gas (m/sec)	17.6
08	Flow Rate (Nm^3/hr)	493463.56
09	Type of Fuel Used	NA*

Analysis Results of Flue Gas

S. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	23.7	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	645.8	mg/Nm^3	1000
iii.	Oxides of Nitrogen (as NO_x)	391.4	mg/Nm^3	800

*NA: Not Applicable

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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CALCOM CEMENT INDIA LIMITED
(Unit of Dalmia Cement (Bharat) Ltd.)
Village: Jamunagar-16 Kilo, Umrangso
Dist.- Dima Hasao; Assam- 788931

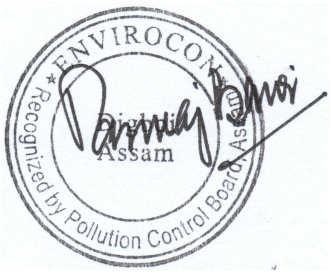
STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	CAL/SE/2020/09-02
02	Date of Sampling	29.09.2020
03	Material of Construction	M. S.
04	Stack Attached To	Coal Mill
05	Stack Height From Ground Level (Meter)	54
05	Stack Diameter (Meter)	1.15
06	Flue Gas Temperature (^{0}C)	69
07	Exit Velocity of Gas (m/sec)	18.2
08	Flow Rate (Nm^3/hr)	59306.99
09	Type of Fuel Used	NA*

Analysis Results of Flue Gas

S. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	28.7	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	362.5	mg/Nm^3	1000
iii.	Oxides of Nitrogen (as NO_x)	193.4	mg/Nm^3	800

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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(Unit of Dalmia Cement (Bharat) Ltd.)
Village: Jamunagar-16 Kilo, Umrangso
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STACK EMISSION TEST RESULTS

01	Stack Emission Test Ref. No.	CAL/SE/2020/09-03
02	Date of Sampling	30.09.2020
03	Material of Construction	M. S.
04	Stack Attached To	E. S. P
05	Stack Height From Ground Level (Meter)	50
05	Stack Diameter (Meter)	3.4
06	Flue Gas Temperature (^{0}C)	218
07	Exit Velocity of Gas (m/sec)	14.5
08	Flow Rate (Nm^3/hr)	287679.75
09	Type of Fuel Used	NA*

Analysis Results of Flue Gas

S. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	PM- Particulate Matter	19.1	mg/Nm^3	30
ii.	Sulphur Dioxide (as SO_2)	BDL	mg/Nm^3	1000
iii.	Oxides of Nitrogen (as NO_x)	BDL	mg/Nm^3	800

*NA: Not Applicable
#BDL: Below Detection Level

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

NOTE:
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3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, Digboi Stores Building, New Market, Digboi – 786171, Assam.

POLLUTION UNDER CONTROL CERTIFICATE

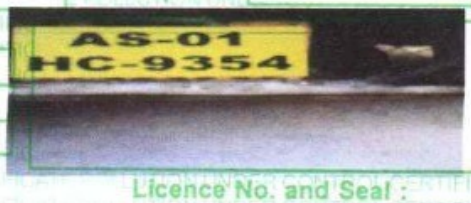
(UNDER CMVR 1989)

Vehicle Registn. No: AS-01HC-9354

Date of Issue: 15-Jun-2020 Valid upto : 15-Dec-2020

Pollution Level :

Co (%)	
HC (ppm)	
SD(HSU)	20.1



PUC Certificate issued by : SAET

Licence No. and Seal : 05/2010

Puspa Auto Emission Testing Station ★ Betkuchi, N.H.37, Ghy-40 ★ PAETS Date

AUTHORISED BY TRANSPORT DEPT. GOVT OF ASSAM
M/S Puspa Auto Emission Testing Station,
Betkuchi, Ghy-40

Serial No.: D02/2010002420
Make: EICHER Fuel : Diesel
Model: TIPPER Reg.Year: 2017
Category: Truck Test Time: 13:14:23
Validity : 6 months Test Fee (Rs) : 130.00
Spedometer Reading(kms) : X
Engine Number-: *B1*P
Chasis Number-: 0945
vehicle Color-: OTHERS
Driver: X
Owner : M/S S S COSTRU

	FLUSH	CYCLE	MEAN		
	MIN RPM	MAX RPM	OIL TEMP.		
	710	3550	61		
S.No	MIN RPM	MAX RPM	K /m	HSU %	Temp
1	740	3500	0.53	20.4	63
2	720	3500	0.51	20.0	64
3	740	3640	0.51	20.0	64
4	730	3750	0.51	20.0	66
Mean			0.51	20.1	

Puspa Auto Emission Testing Station ★ Betkuchi, N.H.37, Ghy-40 ★ PAETS Date

Certified that this vehicle's Smoke Density confirm to the standards prescribed under rule 115(2) of CMV Rules, 1989

Valid UpTo : 15-Dec-2020 **Grade A**

Seal Of Testing Name of Authorised Signatory With Signature

Puspa Auto Emission Testing Station

Authorised Signatory

15/06/20

ENVIROCON
Recognised By
PCB, Assam & MSPCB, Meghalaya

Digboi Stores Building, New Market
Digboi, Assam – 786 171
Ph: 03751-264414, 9435008657, 8876028672
E-mail: envirocon@rediffmail.com
Website: www.envirocon.net.in

ISO 9001 DNV Certified
OHSAS 18001 DNV Certified

Report No.: ENV/CCIL/DMH/20-21/N-01
Date : 09/10/2020

Order No.: 4556000234/116
Date :

CALCOM CEMENT INDIA LIMITED

(Unit of Dalmia Cement (Bharat) Ltd.)

Village: Jamunagar-16 Kilo, Umrangso

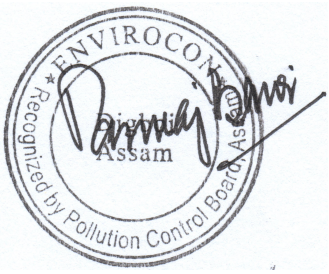
Dist.- Dima Hasao; Assam- 788931

AMBIENT NOISE LEVEL MEASUREMENT RESULTS

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

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L_{eq} (dB-A)	Limit (dB-A)	L_{eq} (dB-A)	Limit (dB-A)
1	Near Magzine	29.09.2020	43	75	37	70
2	Near Weighbridge	30.09.2020	62	75	50	70
3	View Point Mine	30.09.2020	46	75	41	70
4	CCR Building	28.09.2020	41	75	35	70
5	Near Shiv Temple	29.09.2020	56	75	49	70
6	Near Dispensary	28.09.2020	38	75	32	70
7	Crusher	28.09.2020	78*	75	74*	70
8	Cooler Section	29.09.2020	80*	75	78*	70
9	Near RABH	29.09.2020	69	75	62	70
10	Near Coal Mill	29.09.2020	81*	75	77*	70
11	Compressor Room	28.09.2020	73	75	68	70
12	Raw Mill	30.09.2020	74	75	72*	70
13	Kiln Area	30.09.2020	78*	75	75*	70
14	Landing Silo	30.09.2020	86*	75	79*	70
15	Near Pre Heater	30.09.2020	77*	75	73*	70

*Remarks: PPE (Personal Protective Equipment) recommended.



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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ANNEXURE -IV

Programs	Objectives	Activities
Environmental Monitoring	Ambient air quality monitoring	Continuous ambient air quality monitoring station installed near the plant which is in the vicinity of the mine. The real time data is uploading to CPCB as well as SPCB. Ambient air quality data is displayed in public domain outside the plant gate.
	Water quality monitoring	Water quality has been monitored for all the parameters as per IS-10500. Also, as per EC condition, water was tested for fluoride & arsenic. No traces of arsenic were found.
Socio-Economic development activities (CSR) Strengthening of CSR activities	Energy Conservation And Climate Change Mitigation	Rs.90555/spent on Socioeconomic development activities during April-September 2020 Training provided to SHG women members.
	Soil and Water Conservation	1 ring well and 1 Check dam at Bhimrazi village to provide clean and safe drinking water round the year.
	Livelihood Skill Training	Wadi visit by DDM, NABARD & community consultation in field.

Training of SHG women members to develop SHG

Construction of spring water tank & check dam

Wadi visit by DDM, NABARD & community consultation in field

Apollo Clinic
Expertise. Closer to you.

Dr. PRANAB JYOTI DAS, MBBS
FAMILY PHYSICIAN
REG NO-13358(AMC)
PH.NO-9101948247

Patient Name: Mr. Akash Deep Mallik

Date: 05/10/2020

Age: 23 Yrs Gender: Male

Wt – 70kg
Ht – 168 cm
BP – 165/86 mmHg
Pulse – 78/min/R

Certify that Akash Deep Mallik, 23 yrs (Male) of – Guwahati has been examined by me on and found to be healthy.

05/10/2020

THE APOLLO CLINIC ULUBARI GUWAHATI

Apollo
TOUCHING LIVES

Next appointment on:

Apollo Clinic
Expertise. Closer to you.

DEPARTMENT OF RADIOLOGY
Radiology – X RAY

NAME	: MR AKASH DEEP MALLIK
AGE	: 23 YRS.
SEX	: MALE.
REFD. BY	: SELF
DATE	: 05.10.2020
ID	: 58591
PROCEDURE	: XRay Chest (PA view)

No active lesions noted in lungfields.

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

Cardio-thoracic ratio is within normal limits.

Aorta appear normal

Hilar shadows are normal.

Bony thorax is intact.

Soft tissue shadows are normal.

Dr S NATH
Consultant Radiologist

Apollo Clinic
Expertise. Closer to you.

Patient Name:	Mr. AKASH DEEP MALLIK	MR No:	FGUW.0000058591
Visit No:	FGUWOPV84889	Age/Gender:	23 Y/M
Cond Doctor:	Dr. NIRMAL K BHATTACHARJEE	Conducted Date:	05-10-2020 10:26
Referred By:	SELF	Prescribing Doctor:	

ECG

RESULTS

1. Sinus rhythm with sinus arrhythmia
2. Heart rate is 67 beats per minute.
3. Normal P,QRS,T wave axis.
4. Normal PR,QRS,QT duration.
5. No pathological Q wave or ST - T changes seen.
6. No evidence of chamber hypertrophy or enlargement seen.

Dr. Nirmal K Bhattacharjee, MD,D. Card.
Consultant Cardiologist

ID:
DOB:
yr,

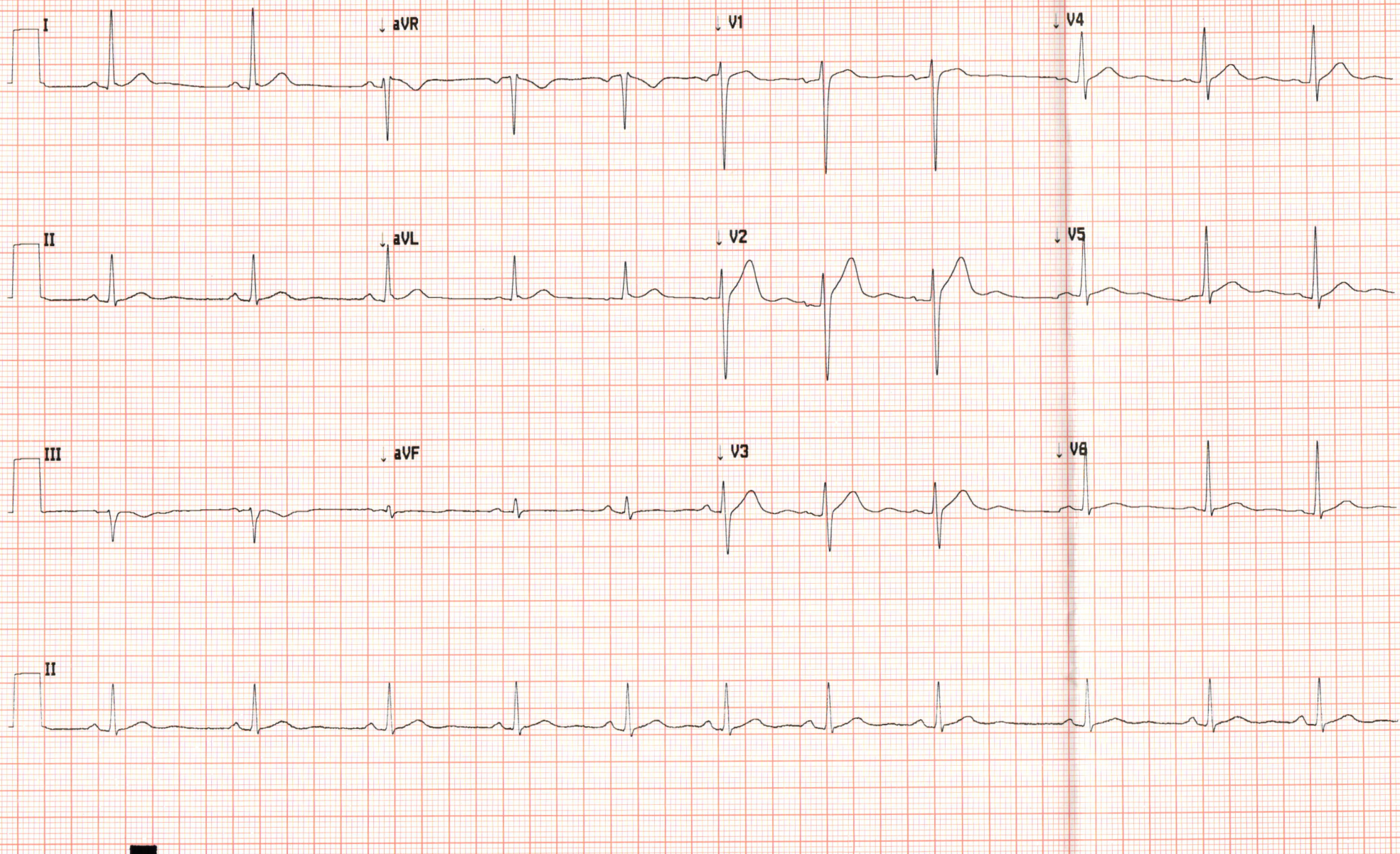
Mr. Akash Deep Mallik.
23 yrs / M

5-Oct-2020 09:22:12

Vent rate:	67 BPM
PR int:	162 ms
QRS dur:	88 ms
QT/QTc:	343/358 ms
P-R-T axes:	58 8 11
Avg RR:	891 ms
QTcB:	363 ms

SINUS RHYTHM WITH MARKED SINUS ARRHYTHMIA
BORDERLINE ECG
INTERPRETATION BASED ON A DEFAULT AGE OF 40 YEARS

Reviewed by _____



MICRO MED CHARTS CE BU1493/1164

113460183946 [redacted] Times hospital Site # 0 Cart # 0 Version 2.00.10 Sequence #03880 25mm/s 10mm/mV 0.05-40 Hz

82130

Apollo Clinic
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Patient Name	: Mr. AKASH DEEP MALLIK	**Age / Gender**	: 23Y/Male
UHID/MR No.	: FGUW.0000058591	**OP Visit No**	: FGUWOPV84889
Visit Date	: 05-10-2020 09:04	**Reported on**	: 05-10-2020 12:53
Sample Collected on	: 05-10-2020 09:27	**Specimen**	: EDTA Blood
Ref Doctor	: SELF	**Pres Doctor:**	:
Emp/Auth/TPA ID	: 14526		
Sponsor Name	: DALMIA CEMENT BHARAT LIMITED		

DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
BLOOD GROUP AND RH TYPE			
ABO Method: Forward and Reverse	O		
RH TYPE	POSITIVE		

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
Rupen_Das

Dr Moromi G. Bhattacharyya
DCP

R.K. Life Services Pvt Ltd. (CIN. No : U85110AS2002PTC006987)

Apollo Clinic
Kanchan Road, Opp. Bora Service,
G.S. Road, Guwahati- 781007
Phone : (0361) 246 1473 - 74
E-mail : guwahati@theapolloclinic.com

Apollo Clinic
Sidha Point, S.J. Road
Athgaon, Opp. Marwari Hospital
Phone : 9085619000(M)
www.apolloclinic.com

Home Blood Collection & Delivery of reports
98641 12000 / 94356 23456

Accredited as per ISO - 15189 : 2012 - NABL Standards
1ST NABL ACCREDITED LABORATORY IN ASSAM

Apollo Clinic
Expertise. Closer to you.

Patient Name	: Mr. AKASH DEEP MALLIK	**Age / Gender**	: 23Y/Male
UHID/MR No.	: FGUW.0000058591	**OP Visit No**	: FGUWOPV84889
Visit Date	: 05-10-2020 09:04	**Reported on**	: 05-10-2020 16:42
Sample Collected on	: 05-10-2020 09:27	**Specimen**	: Whole Blood (Edta)
Ref Doctor	: SELF	**Pres Doctor:**	:
Package Name	: DALMIA BHARAT PMC		
Emp/Auth/TPA ID	: 14526		
Sponsor Name	: DALMIA CEMENT BHARAT LIMITED		

DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
HAEMOGLOBIN			
HAEMOGLOBIN: Method: Non Cyanide	**12.7***	13 - 17	gm/dl

End of the report

Results are to be correlated clinically

Plabita

Lab Technician / Technologist
Nishant_Gogoi

Dr. PLABITA CHELLENG
MD,FAGE
CONSULTANT PATHOLOGIST

R.K. Life Services Pvt Ltd. (CIN. No : U85110AS2002PTC006987)

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Apollo Clinic
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Patient Name	: Mr. AKASH DEEP MALLIK	**Age / Gender**	: 23Y/Male
UHID/MR No.	: FGUW.0000058591	**OP Visit No**	: FGUWOPV84889
Visit Date	: 05-10-2020 09:04	**Reported on**	: 05-10-2020 16:33
Sample Collected on	: 05-10-2020 09:27	**Specimen**	: Citrated Blood
Ref Doctor	: SELF	**Pres Doctor:**	:
Package Name	: DALMIA BHARAT PMC		
Emp/Auth/TPA ID	: 14526		
Sponsor Name	: DALMIA CEMENT BHARAT LIMITED		

DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
ERYTHROCYTE SEDIMENTATION RATE (ESR)			
ERYTHROCYTE SEDIMENTATION RATE (ESR). Method: Westergren's Method	05	0 - 20 mm in 1hrs	mm in 1hrs

End of the report

Results are to be correlated clinically

Plabita

Lab Technician / Technologist
Jugal_Baruah

Dr. PLABITA CHELLENG
MD,FAGE
CONSULTANT PATHOLOGIST

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Patient Name	: Mr. AKASH DEEP MALLIK	**Age / Gender**	: 23Y/Male
UHID/MR No.	: FGUW.0000058591	**OP Visit No**	: FGUWOPV84889
Visit Date	: 05-10-2020 09:04	**Reported on**	: 05-10-2020 12:05
Sample Collected on	: 05-10-2020 09:27	**Specimen**	: Serum
Ref Doctor	: SELF	**Pres Doctor:**	:
Emp/Auth/TPA ID	: 14526		
Sponsor Name	: DALMIA CEMENT BHARAT LIMITED		

DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
LIPID PROFILE TEST (PACKAGE)			
S.Cholesterol	199.9	< 200 Desirable 200-239 Borderline High >=240 High	mg/dl
S.Triglyceride	**196.0***	<150 Desirable 150-199 Borderline High 200-499 High >500 Very High	mg/dl
S.VLDL-Cholesterol	39.2	10 - 40	mg/dl
S.HDL-Cholesterol	33.0	<40 (Man) - Poor <50 (Women) - Poor 40-49 (Man) - Good 50-59 (Women) - Good >=60 - Best	mg/dl
S.LDL-Cholesterol	127.7	<100 Ideal for people at risk of heart disease 100 - 129 Near Ideal 130 - 159 Borderline High 160 - 189 high >=190 Very High	mg/dl
Ratio of Cholesterol/HDL Method: Calculated.	**6.06***	0 - 4.5	

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
Jugal_Baruah

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DCP

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Apollo Clinic
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Patient Name	: Mr. AKASH DEEP MALLIK	**Age / Gender**	: 23Y/Male
UHID/MR No.	: FGUW.0000058591	**OP Visit No**	: FGUWOPV84889
Visit Date	: 05-10-2020 09:04	**Reported on**	: 05-10-2020 12:38
Sample Collected on	: 05-10-2020 09:27	**Specimen**	: Serum
Ref Doctor	: SELF	**Pres Doctor:**	:
Emp/Auth/TPA ID	: 14526		
Sponsor Name	: DALMIA CEMENT BHARAT LIMITED		

DEPARTMENT OF LABORATORY MEDICINE

TEST NAME	RESULT	BIOLOGICAL REFERENCE INTERVALS	UNITS
UREA UREA:- Method: urease-GLDH	16.8	10 - 50	mg/dl
GLUCOSE - (FASTING) GLUCOSE - (FASTING). Method: Hexokinase	87.9	70 - 110	mg/dl

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
Nishant_Gogoi

Dr Moromi G. Bhattacharyya
DCP

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Apollo Clinic
Expertise. Closer to you.

Patient Name	: Mr. AKASH DEEP MALLIK	**Age / Gender**	: 23Y/Male
UHID/MR No.	: FGUW.0000058591	**OP Visit No**	: FGUWOPV84889
Visit Date	: 05-10-2020 09:04	**Reported on**	: 05-10-2020 14:47
Sample Collected on	: 05-10-2020 09:27	**Specimen**	: Urine
Ref Doctor	: SELF	**Pres Doctor:**	:
Emp/Auth/TPA ID	: 14526		
Sponsor Name	: DALMIA CEMENT BHARAT LIMITED		

DEPARTMENT OF LABORATORY MEDICINE

URINE ROUTINE EXAMINATION

Urine Routine & Microscopy	
Volume	60 ml
Colour	Pale Yellow
Specific Gravity	1.025
Appearance	Clear
pH	6.5
Chemical Examination	
Sugar	Nil
Protein	+
Bile Salts	Negative
Bile Pigments	Negative
Others	
Microscopic Examination	
Pus Cells	0-2/hpf
Red Blood Cells	Nil
Epithelial Cells	Occasional
Cast	Nil
Crystals	Nil
Others	

End of the report

Results are to be correlated clinically

Lab Technician / Technologist
Nishant_Gogoi

Dr Moromi G. Bhattacharyya
DCP

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1ST NABL ACCREDITED LABORATORY IN ASSAM

CSR- ACTIVITIES FROM April, 2020 TO September, 2020

Location: Umrongso

Key program achievements / accomplishments:

1. Training of SHG women members to develop SHG into business unit:

- **No. Of trainings- 2 Nos**
- **No. Of beneficiaries impacted - 68 Nos**
- **No. Of village covered- 6 Nos**

2. **Construction of spring water tank & check dam:**

- No. Of water tank & check dam- 1 Nos
- No. Of beneficiaries impacted- 30 Household
- No. Of villages covered- 1 No

3. **Wadi visit by DDM, NABARD & community consultation in field:**

- No. of village Wadi visited: 17 Nos
- No. Of consultation made - 2 Nos
- No. Of villages covered- 5 Nos

Financial statement for CSR activities for the period April, 2020 to September, 2020

SL No	Activities	Expenditure (Rs)	Location/village	Remarks
1	**Training of SHG women members to develop SHG into business unit**	14522	Langcherui L.P school & Karbi club, Umrongso	2 Nos of training
2	**Construction of spring water tank & check dam**	76033	Bhimrazi village.	1 spring water tank and 1 check dam at spring source

Dalmia
Bharat Cement

newthink! cement! sugar! refractories! power!

No: CCIL/USO/EHS/2020-2021/04

Date: 08.06.2020.

To

The Senior Environmental Engineer,

Pollution control board, Assam

Bamunimaidam Guwahati

Subject: Submission of annual return Environment Statement Form V for the period 1st April 2019 to 31st March 2020, in respect of **M/S Calcom Cement India Limited at 16 Kilo Jamuna Nagar Umrongso, Assam - 788931.**

Respected Sir,

Refer to the above mentioned subject we are submitting E-waste form 2 in respect of M/S Calcom Cement India Limited at 16 Kilo Jamuna Nagar, Assam - 788931, document is enclosed here with.

We trust you find the compliance in order and assure you to comply with all your directions as always.

Thanking you,

For Calcom Cement India Ltd

Authorized Signatory

Enclosed - Form V

C.C Regional Office Silchar

Calcom Cement India Limited
Subsidiary of ***Dalmia Cement (Bharat) Limited***
16 Kilo, Jamuna Nagar, Umrongsho, Dist Dima Hasao, Assam-788931, India
91 3670 291684 www.dalmiacement.com

Registered Office :
3rd & 4th Floor, Anil Plaza-II, ABC, G.S. Road, Guwahati, Assam - 781005
CIN : U26942AS2004PLC007538
t 91 361 2132 569/91 361 7156 700 f 91 361 7156 707
e contact.NE@dalmiacement.com w www.dalmiacement.com

FORM – V **Year: 2019 - 20**

(See Rule 14)*

From:

M/S Calcom Cement India Limited

A subsidiary of Dalmia Cement Bharat Limited

16 Kilo Jamuna Nagar Umrongso

Dist. Haflong Assam - 788931

To,

Assam Pollution Control Board

"Bamunimaidam",

Guwahati

ENVIRONMENTAL STATEMENT for the financial year ending 31st March 2020.

PART – A

(i)	Name and address of the owner/	**M/s Calcom Cement India Limited.**
	occupier of the industry operation	**16 Kilo Jamuna Nagar Umrongso**
	or process:	
(ii)	Industry category -	**Red**
	Primary – (STC Code)	**---**
	Secondary – (STC Code)	
(iii)	Production capacity Units:	**0.98MMTPA**
(iv)	Year of establishment:	**April – 2015**

(v) Date of the last Environmental Statement submitted: **25/06/2019**

---

* Submission of Environmental Statement is in accordance with the provisions of Rule-14 of the Environment (Protection). Amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-4-1993 G.S.R. 386 (E) in the Gazette of India-Extraordinary- Part-II Section-3 Subsection (i), No. 155 dated 28-4-1993 by the Ministry of Environment and Forests, Government of India; read with the Notification dated 13-3-1993 G. S. R. 329 (E), of the Gazette of India –Extraordinary Part – II Section –3 Subsection (i) No. 120 dated 13-3-1993.

"Every person carrying on an industry, operation or process requiring Consent under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous Wastes (Management and Handling) Rules, 1989 published under the Environment (Protection) Act, 1986 (29 of 1986) Shall submit an Environmental Statement for the financial year ending the 31st March in From V to the concerned State Pollution Control Board on or Before the Thirtieth day of September every year, beginning 1993."

PART –B

Water and Raw Material Consumption

(i) Water Consumption M^3/day

Process **247 M3/day**

Cooling

Domestic **298 M^3/day**

Please refer Annexure – II (Month wise Water Consumption)

Name of Products	Process water consumption per unit of product output	
	During the previous financial year 18-19	During the current financial year 19-20
	(1)	(2)
01. Clinker	**243 M3/Day**	**247 M3/Day**

(ii) Raw material consumption

* Name of raw material	Name of Products	Consumption of raw material per unit of output	
		During the previous Financial year 2018-2019	During the current Financial year 2019-2020
Raw Mix	Clinker	14.71	14.41
Lime stone	Clinker	14.07	14
River/ Hill Sand	Clinker	0.76	0.52
Coal	Clinker	1.46	1.45

* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART – C

Pollution discharged to environment per unit of output

(Parameters as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of pollutants in discharged (mass/volume)	Percentage of variation from prescribed Standards with reason
(a) Water	---	---	---
(b) Air	**All the parameters are in within limit as given in CTO**		

PART – D

HAZARDOUS WASTES

(As specified under Hazardous Wastes (Management, Handling and Transboundary) Rules, 2008)

Hazardous Wastes	Total Quantity (kg.)	
	During the previous financial year 18-19	During the current financial year 19-20
(a) From Process	Used Oil – 5.280KL	Used Oil-1.5 KL
(b) From pollution control facilities	---	---

PART – E

SOLID WASTE

	Total Quantity (kg.)	
	During the previous financial year	During the current financial year
(a) From Process	**Not Any**	**Not Any**
(b) From pollution control facilities		
(c) (1) Quantity recycled or re-utilized		
Within the unit		
(2) Sold		
(3) Disposed		

PART – F

Please specify the characterizations (in terms of composition and quantity) of hazardous as well as solid and indicate disposal practice adopted for both these categories of wastes.

Hazardous Waste is stored separately in identified Hazardous Waste Storage Area..

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

PART – H

Additional measure/investment proposal for environmental protection including abatement of pollution/prevention of pollution. NIL

PART –I

Any other particulars for improving the quality of the environment.

RABH, ESP & Bag filters are installed and maintained for abatement of Pollution.

(Signature of a person carrying out an industry - operation or process)

Name : **Subodh Kumar**

Designation : **DGM – EHS**

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