Dalmia cement

newthink! cement! sugar! refractories! power!

Date: 24th May 2021

To

The Deputy Director,
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
Green House Complex,
Gopal Reddy Road,
Vijayawada-520010
Andhra Pradesh.

Dear Sir,

Sub: Submission of Half Yearly Environment Clearance Compliance Report of M/s Dalmia Cement(Bharat)Limited, at Village Chinnakomerla, Mylavaram Mandal of YSR Kadapa District in Andhra Pradesh -Reg.
Ref: File No. J-11011/76/2007- IA.II (I) (T), Dated: 5th April, 2007

With reference to the cited above, we are herewith furnishing the compliance report to stipulated conditions of E.C in soft copy for the period of 1st October 2020 to 31st March 2021 of M/s Dalmia Cement (Bharat) Limited, Chinnakomerla village of AP-516433.

This is for your kind information and office records please.

Thanking you

Yours faithfully
For Dalmia Cement Bharat Limited,
Authorized Signatory

(K KARUNAKARA RAO)
Plant Head

CC to Environmental Engineer-APPCB, RO-Kadapa

Dalmia Cement (Bharat) Limited
Chinnakomerla (Village), Mylavaram (Mandal), YSR (Kadapa), District, Andhra Pradesh - 516 433 India
t 08560 272 431 / 434 f08560 272 420 / 421, www.dalmiacement.com, CIN : U65191TN1996PLC035963
Registered Office : Dalmiapuram, Dist. Tiruchirapalli, Tamil Nadu-621 651, India
A Dalmia Bharat Group company, www.dalmiabharat.com

MoEF&CC Clearance conditions- Compliance Status
Cement Plant - M/S Dalmia cement (Bharat) Ltd.
Half Yearly Compliance Report
Letter No. J-11011/76/2007- IA. II (I)(T), Dated: 5th April ,2007

Present Status: Running Plant **Period: October 2020 to March 2021**

<table>
<tr><th>S. No</th><th>Condition</th><th>Our Compliance Status</th></tr>
<tr><td colspan="3">A. Specific Conditions</td></tr>
<tr><td>1</td><td>The gaseous emissions from various units shall conform to the standards prescribed by the concerned state pollution control board (SPCB) or by the ministry, whichever is stringent. Bag filter system shall be provided for flue gas instead of conditioning towers. SPM emission from all the stacks, including CPP will be <50 mg/nm3. The CPP will be based on AFBC technology and will have Air cooled condenser system for cooling of water CPP.</td><td>Complied.
Bag houses have been installed for Raw mill, Coal mill, &Cement mill each and ESP for cooler to control dust emission from stacks.in addition to this 36 no. of Bag filters have been installed at various locations. The installed pollution control equipment confirmed to meet desired equipment standard 30mg/nm^3 as revised by Gazette Notification G.S.R 612(E) dated 26th August 2014 and as amended vide Gazette Notification G.S.R 497(E) dated 10th May 2016.
<table>
<tr><td>S.No.</td><td>Location of APCD</td><td>Type</td><td>Number</td></tr>
<tr><td>1</td><td>Raw Mill/Kiln</td><td>Bag House</td><td>1</td></tr>
<tr><td>2</td><td>Coal Mill</td><td>Bag House</td><td>1</td></tr>
<tr><td>3</td><td>Cooler</td><td>ESP</td><td>1</td></tr>
<tr><td>4</td><td>Cement Mill</td><td>Bag House</td><td>1</td></tr>
<tr><td>5</td><td>Various Transfer Points</td><td>Bag Filter</td><td>36</td></tr>
</table>
The major stacks i.e. Stack attached to Raw Mill/Kiln, Coal Mill, Cement Mill and Cooler are equipped with Online Continuous Emissions Monitoring System (CEMS) and monitored data is being transmitted regularly to APPCB and CPCB websites. Further, Stack monitoring is also being carried out through MOEF&CC recognized third party laboratory accredited by NABL. Monthly reports are being submitted to regional pollution control board office & Regional Office of MoEFCC on Half-Yearly Basis. Monitoring report summary enclosed as Annexure-1

At present CPP not commissioned.</td></tr>
</table>

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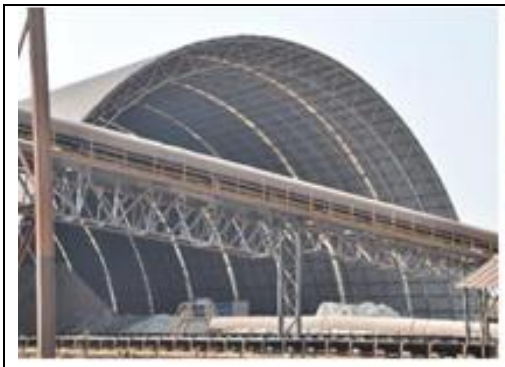
<tr><td colspan="3"> 
Covered Sheds
 
Raw Mill/Kiln Bag House
 
Bag Filters at Transfer Towers</td></tr>
<tr><td>2</td><td>The unit shall use the high calorific hazardous waste in their kiln. The relevant designed factors shall be incorporated at the inception stage itself.</td><td>Complied
• The system for using the high calorific hazardous waste in kiln was incorporated.
• We are using Hazardous waste like Organic spent solvents liquids and solids, Spent carbon, Process residues etc. For FY 2021, our TSR was 7%
• The permission from APPCB to use various high calorific value hazardous waste in Kiln has been obtained vide APPCB/KNL/TPT/102/HO/2020-3378 dated 03.11.2020.
• CPCB registration has been hazardous waste in our Kiln vide letter no. B- 33014/2015/PCI-II/6645 27.01. 2016.andB-33014/2015/PCI-II/21412 dated on 22.3.3016</td></tr>
<tr><td colspan="3"> 
Pneumatic System available for unloading and feeding of Carbon black powder to the mill through
Storage capacity of 100MT.
 
Mechanized system for unloading and feeding AFR weigh feeder and Rotary airlock.
5KL/Hour through calciner and
10KL/Hour through Kiln, Storage Capacity of 50KL</td></tr>
<tr><td>3</td><td>The height of the stack for raw mill and kiln will be 90m and for CPP it will be 110m. Bag house will be installed at all other emission points except the cooler exhaust. Bag filters will be</td><td>Complied
• The height of the stack attached to Raw Mill/Kiln is 145m, Coal Mill is 65 m, Cooler 41m and Cement mill 46.5. CPP is not proposed to be</td></tr>
</table>

<table>
<tr><td></td><td>provided at all material handling and transfer locations. Low NOx burners shall be installed to control NOx emissions and lime injection shall be carried out to reduce SO2 emissions, if required</td><td>commissioned.
• Bag houses have been installed for Raw mill, coal mill, cement mill and ESP for Cooler. 36 nos of bag filters have been installed at material handling and transfer locations. Installed low NOx burners/SCNR to reduce NOx there is no problem of SO2 emission as a Sulphur content in Lime stone is only <1% and fuel Coal is 2-3%. Pet coke is 7.5 to 8.5. Therefore, lime injection is not required.
• The NOx and Sox are maintained below the specific limits</td></tr>
<tr><td>4</td><td>Continuous On-line monitors for particulate emissions, SO2 and NOx in raw mill/kiln clinker cooler, coal mill, cement mill etc. Shall be provided and shall make necessary arrangements for submission of On-line real time emission data to CPCB website. Interlocking system shall be provided between pollution control equipment and the process operation so that in the event of pollution control equipment not working, the respective unit(s) shutdown automatically.</td><td>Complied.
Continuous On-line monitors have been installed and parameters are being monitored continuously as per the circular issued by CBCB vide letter no B-29016/04/06/PC-II dated 23rd Dec 2016 and the real time data is being transmitted to APPCB and CPCB websites. OCEMS have been installed at the following stacks.
<table><tr><th>S.No.</th><th>Stacks attached to Process</th><th>CEMS Installed</th><th>Parameters Monitored</th></tr><tr><td>1</td><td>Raw Mill/Kiln</td><td>Yes</td><td>PM,SO2&Nox</td></tr><tr><td>2</td><td>Coal Mill</td><td>Yes</td><td>PM</td></tr><tr><td>3</td><td>Cooler</td><td>Yes</td><td>PM</td></tr><tr><td>4</td><td>Cement Mill</td><td>Yes</td><td>PM</td></tr><tr><td>5</td><td>Bag</td><td>Not Required</td><td>Not Required</td></tr></table>• Interlocking system have been provided, whenever pollution control equipment fails, the process system get tripped and stop the operation and provided interlocks on high DP, Temperature and high stack emission.</td></tr>
<tr><td>5</td><td>Acoustic enclosures will be provided at all high noise equipment and place to limit the noise levels below 85 dBA.</td><td>Complied
• Acoustic enclosures are provided at various locations like compressor houses, Process fans to bring down noise levels within the desired level.</td></tr>
</table>

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		• Sign board are placed at high noise areas to caution workers working in the area. • Necessary PPE is given to employees to prevent high noise exposure. The regular noise levels is being monitored and communicated to respective section in charge for necessary action. Further the noise levels are monitored at 10 locations during day and night time through MOEF&CC recognized third party laboratory accredited by NABL on monthly basis and the levels are within the limits as per the CPCB standards. .
6	Regular ambient air quality monitoring shall be carried out. The monitoring stations will be set up in consultation with the state pollution control board. It will be ensured that at least one monitoring station is set up in up-wind and in down-wind direction along with those in other directions. On-line data for air emissions shall be transfer to the CPCB and APPCB regularly. the instruments used for ambient air quality monitoring shall be calibrated regularly.	**Complied.** • We have installed two continuous online systems(CAAQMS) in consultation with CPCB for monitoring of Ambient Air Quality for PM10, PM2.5, SO2 and NOx along with Meteorological parameters like temperature, Humidity, Solar Radiation, Rainfall, Wind Speed etc. The stations were installed one at one at upwind and one at down wind direction. The real time CAAQM data is being uploading to APPCB and CPCB website. The instrument used for Ambient Air Quality monitoring are calibrated regularly as per OEM recommendations. • Apart from above we also monitoring ambient air quality on monthly basis by NABL accredited third party at 4 locations which covers four side of the plant periphery. 1. 110 KVA substation 2. Near Mines gate 3. Near Gate No.2 4. Swagth Guest House

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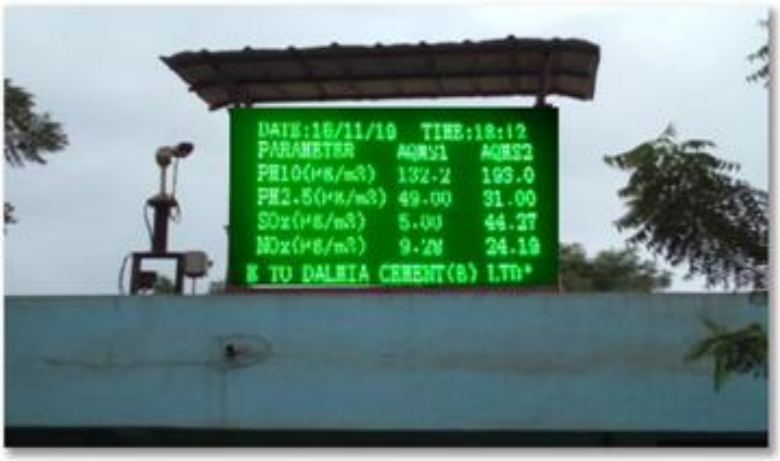

CAAQMS</td></tr>
<tr><td>7</td><td>Fugitive emission shall be <500mg/m3. bag filters shall be provided for all stacks except CPP boiler and cooler where ESP shall be provided.</td><td>Complied.
We have taken following to mitigate fugitive emissions.
Bag houses have been installed for Raw mill, Coal mill, Cement mill and ESP for cooler. 36 no. of Bag filters installed at material handling areas and transfer locations.
Provided covered sheds for material storage and covered materials conveying systems and hoppers. The materials are being transported in covered conveyor belts to avoid fugitive emissions. The dry fog system installed at Coal and lime stone unloading points, at all the transfer points, Stock piles to arrest free release of dust.
We have installed Water sprinkler system at Coal yard to prevent fugitive emission.
Thick green belt has been developed along the periphery of the plant.
In addition to this we have 2 no. of high volume sweeping machines and 12 no. of hand operated vacuum sweeping machines to maintain good housekeeping. Water spraying is done on roads to suppress vehicular fugitive dust.
The roads in Plant and Township are made of Bituminous/Concrete.
The vehicle speed is restricted to 20kmph to prevent fugitive dust.</td></tr>
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- **Lime stone Shed** **2. Coal & Additive yard** **3. Vacuum Sweeping Machines**

8	The regular monitoring of the fugitive emission shall be carried out by the unit as per the CPCB guidelines.	Complied. • MoEF&CC recognized third party laboratory accredited by NABL monitor the Stack and Fugitive emission. Monthly reports are being submitted to Regional Pollution Control Board office and Regional MoEF&CC office on half yearly basis. • Ambient and stack emission reports are attached as **annexure-1.**
9	Raw materials will be stored in covered yards and clinker in silos to control fugitive emissions. Fugitive emissions from cement mill, packing plant and coal yard shall also be controlled.	**Complied.** • Raw materials stored under covered yards, clinker & fly ash in silos. Fugitive emissions are being controlled by providing: • Bag houses have been installed for Raw mill,

		coal mill, cement mill and ESP for Cooler. 36 no's of bag filters have been installed at material handling and transfer locations. • Provided covered sheds for materials storage and covered material conveying systems and hoppers. • Fog system has been provided on belt conveyors to suppress dust. Provided water suppression system at all transfer points and hoppers. • We have installed sprinkler system in coal yard to prevent fugitive emission. • Thick Green belt has been developed all along the periphery of the Plant. • In addition, we have 2 no's of high volume sweeping machines and 12 hand operated vacuum sweeping machines to maintain good housekeeping. Water spraying is done on roads continuously to suppress the fugitive emissions. • The materials are being transported in covered conveyor belts to avoid fugitive emissions. The dry fog system is installed at coal and Lime stone unloading points, at all the transfer points, stock piles to arrest free release of dust. • The roads in the plant and township are made of bitumen/concrete. • The vehicular speed is restricted to 20 kpmh to prevent fugitive emission

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Lime Stone Storage Shed

Coal & Additive yard

Clinker Silo

Fly Ash Silo

10	Vacuum dust cleaning system will be provided to evacuate dust on floors. All roads will be swept with sweeping machines. Material will be transported in tippers, covered trucks, covered containers covered rail wagons etc. dust collectors and extraction system(suction apparatus) shall be installed to control fugitive dust emissions at coal and lime stone unloading points, at all the transfer points, stock piles to arrest free release of dust.	**Complied.** • • we have deployed 2 nos of high volume sweeping machines and 12 hand operated vacuum sweeping machines to maintain good housekeeping. Water spraying is done on roads continuously to suppress the fugitive emissions. The collected dust is being recycled in the process. • The material is being transported in covered conveyor belt to avoid fugitive emissions. • The dry fog system installed at Coal and Limestone unloading points at all the transfer points, stock piles to arrest free release of dust.

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		• The roads in Plant and Township are made of Bituminous/Concrete. • The vehicular speed is restricted to 20 kpmh to prevent fugitive emission
		 **Covered Conveyor Belts**
11	Wind breakers will be installed to restrict fugitive dust.	**Complied.** • No open stock piles are in the plant. All materials stored under covered sheds or silos. • 90000 saplings such as Neem, Kanuga, Tamarindus, Conocarpus etc. has been planted to develop thick green belt along the plant periphery. The thick green belt act as a wind breaker to prevent fugitive emissions transportation through wind. Clinker silo provided with wind barriers.
12	Water sprinkling system should be made in the raw material stock yard and cement bag loading areas. Regular water sprinkling shall be carried out at all areas where fugitive dust can be generated	**Complied.** • Raw materials transportation is done by covered conveyor belts. Fog system also installed don covered belts and crusher to avoid fugitive emissions. • Water sprinklers have been installed at coal yards, MH area to prevent fugitive emission. • Regular water sprinkling can be done at all areas where fugitive dust can be generated.
13	For cooling towers of CPP will have Air cooled condensers	CPP is not commissioned.

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14	Copy of water withdrawal permission from the relevant authority shall be submitted before starting the project.	**Complied.** We have obtained ground water withdrawal permission from AP ground water department vide letter no. 2021/Hg/EC/07 dated 1/5/2008.The same is submitted to your good office before starting the project.
15	No waste water will be generated in cement manufacture. The waste water from CPP and domestic activities shall be treated in effluent treatment plant(ETP) and sewage water reclamation plant (SWRP) respectively and recycled /reuse in cement plant for makeup, in CPP for cooling, dust suppression, other plant related activities and Green belt development. no waste water will be released outside the premises. 'Zero discharge' shall be strictly adopted. during monsoon, the waste water will be stored in the mines pit. separate storm water drains will be provided and storm water from CPP area will be stored in a settling tank before discharge in to the nallah.	**Complied.** • No effluents are generated during cement manufacturing process. • No waste water is being generated from Cement plant. The domestic activities waste water is being treated in Sewage Treatment plant and reused for process and green belt development. Hence no water is being released outside the plant premises. “ZERO Liquid” discharge is strictly adapted. • The worked mined out area used for storage of rain water during monsoon. • Rain water Harvesting ponds have been constructed. The plant and colony Roof water is diverted to harvesting ponds. The storm water drains are connected to harvesting ponds. The harvested rain water is being used for recharging the ground water and various process activities to conserve fresh water. • CPP is not yet commissioned.

Sewage Treatment Plant

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Rain Water Harvesting

Plant inside Rain Water Harvesting Pond

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16	Solid waste generated shall be 100% recycled and reutilized in the process and no solid waste shall be disposed of outside the plant premises. The solid waste will be dumped in the low-lying areas and area thus filled up/reclaimed shall be used for plantation.	**Complied.** • Solid waste generated from process is 100% recycled back in the Cement manufacturing process. • Organic sludge generated from sewage treatment plant is being used as fertilizer for trees. • Organic domestic waste generated in colony and canteen is used for Vermi composting/ Biogas generation.
17	Verma composting shall be adopted for disposing off- bio-degradable waste from the domestic sources.	**Complied.** • Vermi compost unit is made and compost being used for green belt development.

Organic Waste Converter Machine obtained organic Manure

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18	180 TPD of fly ash generated from CPP will be transported pneumatically to the cement plant fly ash silos and shall be 100% utilized in Portland provolone cement production. Bottom ash shall be used in the raw mill and used for land filling. Treated STP sludge shall be used as manure for Green Belt development. Waste oil sludge shall be re-used in the plant and finally burned in the kiln or sold to authorized recyclers/re-processors.	**Complied.** • CPP is not commissioned till now, hence no bottom/Fly ash is generated. • Treated STP sludge used as a manure for greenbelt development. • Waste/used oil sludge is being re-used in plant for co-processing activity. We have obtained CFO for co-processing the same.
19	The company will strictly follow all the recommendations mentioned in the charter on corporate responsibility for environment protection(CREP).	**Complied**. • Recommendation of CREP is implemented. The CSR activity details attached as **Annexure-2.**
20	33% of the total area shall be developed as a Green Belt.	**Complied.** • We have planted 90000 saplings in 46.2 ha. In plant and Colony.

Thick Green Belt in around the Plant

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21	The company shall must harvest surplus as well as rain water from the roof tops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	**Complied.** • Total Rainwater Harvesting Capacity=2000000KL • Plant Rain Water Harvesting Capacity=30000KL • The storm water drains are connected to Rain water harvesting ponds. The harvested water is being allowed for recharging of ground water as well as used in the plant for process activities. • STEP wells also made for ground water recharging purpose.

Rooftop Harvesting in Colony

Storm Water Drains connected to Pond

Drain Water Harvesting Pit

Plant Rain Water Harvesting Pond

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22	Studies on noise dosimetry and audiometry to assess the noise induced hearing loss in case of exposed employees will be carried out and the appropriate ameliorative measures will be taken ,where ever necessary.	**Complied.** • The pre and Post employment medical checkup were done. Further periodic medical checkup is being done for noise dosimeter and audiometry.
B. General Conditions.		
	The projects authorities must strictly adhere to the stipulations made by the state pollution control board (SPCB) and the state government.	**Complied and noted for future compliance.**
	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	**Complied.** • Now, we have proposed for an expansion for which Prior Environmental Clearance is being obtained. TOR has been obtained vide MoEF&CC letter dated 10th July 2019 for expansion of Integrated cement plant (Clinker- 2.6 MTPA to 5.85 MTPA; Cement- 2.5 MTPA to 6.56 MTPA; WHRS-12 MW to 27 MW) along with installation of Solar Power Plant.
	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the SPCB. Regular monitoring shall be carried out for relevant parameters.	**Complied.** •The sewage treatment Plant water inlet and outlet is being monitored by MOEF&CC recognized third party laboratory accredited by NABL on monthly basis for the parameters like pH, TDS, TSS, BOD and Oil & Grease. All the values are within the CPCB stipulated norms.
	The project proponent shall also comply with the all Environmental protection measures and safeguards recommended in the EIA/EMP report.	**Complied.**
	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribe 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 for plantation purpose.	**Complied.** • No effluent is being generated during cement manufacturing. • The domestic water is being sent to Sewage Treatment Plant and after treatment, treated water being used for Process as well as Gardening. The STP outlet water is monitored regularly by authorized third party on monthly basis and the outlet water is meeting all the stipulated norms by the CPCB for the parameters like pH, TDS, TSS, BOD and Oil & Grease. • STP water analysis report summary attached as **Annexure-1**

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	The overall noise levels in and around the plant area shall be limited within the prescribed standards (85dBA) by providing noise control measures including acoustic hoods, enclosures and silencers etc. on all source of noise generation.	**Complied.** • The overall noise levels in and around the plant area is kept within the standards (85 dBA) by providing acoustic hoods, enclosures and silencers etc., on all source of noise generation. • Sign boards are placed at high noise areas to caution workers working in the area. Necessary PPE is given to employees to prevent high noise exposure. The regular noise levels are being monitored and communicated to respective section in charges for necessary action. • Further the noise levels are monitored at 10 locations during day and night time through MOEF&CC recognized third party laboratory accredited by NABL on monthly basis and the levels are within the limits as per the reports. Ambient noise monitoring reports enclosed as **Annexure-3**
	Proper housekeeping and occupational health programs shall be taken up. Regular occupational health surveillance programs shall be carried and records shall be maintaining properly for at least 30-40 years. The program shall include Lung function and sputum tests once in Six months. Sufficient preventive measures shall be adopted to avoid direct exposer to Dust.	**Complied.** • We have deployed 2 high volume sweeping machines for roads cleaning in plant and colony to keep always neat and clean. • We have carrying out pre-employment medical tests and periodical medical test checkup which covers Lung function and sputum test as per Factory act and taken all possible preventive measures direct exposure to dust. Personal dust exposure monitoring is being carried out and appropriate measures taken. • Medical records are being maintained for stipulated time.

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Occupational health Centre

	A separate Environment manage cell with full-fledged laboratory facilities to carry out for various management and monitoring functions shall be setup under the control of senior executive.	**Complied.** • Environment management cell established and deputed senior executive to take care of Cell reporting directly unit head. We have stack monitoring kit, Piezo meters for ground water table measurement, Noise dosimeter, Personal dust exposure monitoring kit, Sound level meter, Lux meter to monitor and manage Air, Water and Noise quality parameters. • We have also deployed NABL accredited third party Laboratory to monitor Stack, Ambient Air and Water, Noise, STP inlet and outlet water quality on monthly basis.

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	As proposed in the EIA/EMP 31.05 crores and 4.28 crores/annum earmarked to meet the capital and recurring cost per annum respectively for the Environmental protection measures shall be used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	**Complied and agrees to comply** • We have already spent 70 Cr. towards capital cost installing various pollution control devices. Recurring cost per annum for the Environmental protection measures is 4 crores/annum. The funds are being used judiciously for Environment protection. • The fund allocated to Environment protection shall not diverted to for any other purpose.
	The concerned regional/State Pollution Control Board /Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted them regularly.	**Complied.** • Six-month compliance report and Monitoring Data is being submitted regularly.
	The project proponent should advertise in at leasttwo local newspapers widely circulated in the region around the project, one of the which shall be in the vernacular language of locality concerned informing that the project has been accorded Environmental clearance by Ministry and copies of the clearance letter shall be available with SPCB /Committee and may also be seen at website of Ministry and Forest at http://envfor.nic.in. The advertisement should be made within 7 days from the date of issue of clearance letter and the copy of same should be forwarded to the ministries regional office at Bangalore.	**Complied.** • Public notice has been published in Enaadu daily newspaper (Local Lang) Deccan Chronicle (English lang.). Copies have already been submitted along with earlier compliance.

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Annexure-1

Dalmia Cement (B) Limited, Chinnakomerla(vi), Mylavaram(m), YSR(dist).								
Half yearly (October 2020 to March 2021) Stack Emissions and Ambient Air Quality Data								
SL.NO	STACK NAME							Average
		Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21	
1	Cooler Emission (mg/nm3)	15	16	15.8	15	15.3	14.9	**16**
2	Raw Mill/Kiln Emission (mg/nm3)	13.3	13	15	16.6	20.4	13.7	**13.8**
	Raw Mill/Kiln Emission SOx(mg/nm3)	15	19	89	96	31	68	**41.0**
	Raw Mill/Kiln Emission NOx(mg/nm3)	181	174	480	485	299	289	**278.3**
3	Coal Mill Emission (mg/nm3)	11.5	13	12.7	16	15.8	11.9	**12.4**
4	Cement Mill Emission (mg/nm3)	10	14	14.4	15.3	17.2	13.6	**12.8**
	AMBIENT AIR							
1	So2(µg/m3)	10.5	10.2	10.5	10	10	9.6	**10**
2	Nox(µg/m3)	20.5	21.75	21.5	21.2	23	21.1	**22**
3	PM 10 (µg/m3)	54.5	60.5	60.75	60.2	60.7	62.2	**60**
4	PM 2.5 (µg/m3)	19.2	26.75	27	27	27	28	**24**
	STP Water Quality							
	Inlet							
1	PH	7.3	7	7.31	7.5	7.21	7.64	**7**
2	TDS(mg/l)	724	810	706	784	890	898	**747**
3	TSS(mg/l)	512	13	484	480	220	420	**336**
4	BOD(mg/l)	48	45	54	51	43	43	**49**
5	Oil &Grease(mg/l)	4	4	4	4	4	4	**4**
	Outlet							
1	PH	7.7	7.6	7.5	8.6	7.58	8.03	**8**
2	TDS(mg/l)	676	750	655	780	775	846	**694**
3	TSS(mg/l)	14	3	12	8.4	14	14	**10**
4	BOD(mg/l)	6	8	30	8.5	6.5	6.3	**15**
5	Oil &Grease(mg/l)	4	4	4	4	4	4	**4**
	DG Sets Stack Data							
1	Raw mill (625 KVA) (gr-kw/hr)			0.03		0.03		**0.03**
2	Cement Mill (625 KVA)(gr-kw/hr)			0.03		0.03		**0.03**
3	RMH (250 KVA) (gr-kw/hr)			0.04		0.04		**0.04**

MoEF&CC Clearance conditions- Compliance Status
Cement Plant - M/S Dalmia cement (Bharat) Ltd.
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Present Status: Running Plant **Period: October 2020 to March 2021**

Annexure-2

Dalmia Cement Bharat Limited - Kadapa				
CSR projects implemented between October-2020 to March-2021				
Sl. No	**Type of Activities**	**Expenditure (Rs. Lakh)**	**No. of Beneficiaries**	**Remarks**
1	WOW Bus Project	1.87	80 students from Govt Schools	Imparted training on 'Digital learning module' (One-month training to each batch) to the Govt High school children of Chinnakomerla of Mylavaram Mandal and S. Upplapadu village of Jammalamadugu Mandal.
2	Safe Drinking Water Project – RO Water plant for C. Kothapalli village	3.11	80 House holds	Established RO Purified drinking water project 1000 Lit/hour capacity in association with Grampanchayath-Chinnakomerla
3	Soil & Water Conservation	0.41	125 House holds	Organized 'Livelihood loans distribution' program through DCCB- Kadapa with the support from NABARD. Distributed Rs. 1.25 Crore loans to 25 Joint Liability Groups (JLGs – each group has 5 members) @ Rs. 5.00 Lkhs per JLG to Diary based livelihoods for the community of plant surrounding villages
4	Refurbishment of Anganwadi Centre	01.00	35 HHs	Support for refurbishment of Andganwadi Centre – SC Colony, Chinnakomerla village. Provided necessary materials and items of the Anganwadi centre and done wall paintings as per requirement of centre.
5	International Women's day	0.10	25 Individuals	Celebrated International Women's day at ZPHS-Chinnakomerla. Awarded mementoes to Covid front line warier women
6	World Water day	0.09	20 Individuals	Facilitated World Water day celebrations with the farmers in the watershed areas.
7	Causeway construction	9.00	200 HHs	Provided funds to Village Watershed Development Committee (VWDC)of Thalamanchipatnam Watershed Development project-3. Further VWDC has to utilize these funds for construction of new Causeway near Nawabpeta village of Mylavaram Mandal.
8	Soil & Water Conservation activities under Watershed Development Project (In collaboration with NABARD)	15.42	225 HHs	Constructed various structures like Stone checks, farm bund, Gabbian etc., to prevent Soil erosion. And waters harvesting structures like farm ponds, Bore well recharge structures, percolation tanks etc., across the CSR villages of DCBL- Kadapa location.
9	Inauguration of Milk processing unit for Dalmia Nawabpeta	0.58	30 HHs	Inaugurated Milk processing unit for Dalmia Nawabpeta Farmer Producers Company Limited in collaboration with NABARD.

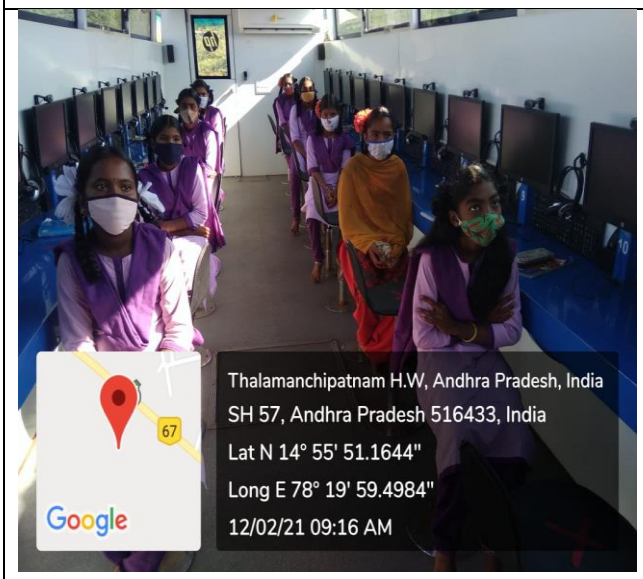
	Dairy FPC			
10	Pulse Polio campaign	0.08	245 HHs	Facilitated 'Pulse Polio Campaign' in association with Medical and Health Dept, GoAP
Total		**31.58**		

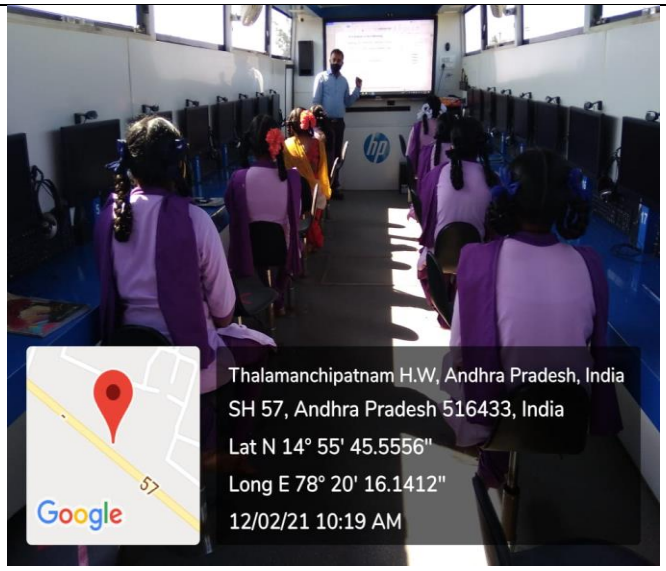
DCBL – Kadapa

Few snapshots of CSR projects_October-20 to March-21

Pebble bunding construction done at Konaanantapuram - No. of farmers benefitted - 7 nos.

Bore well Recharge structure work in progress at Bheemagundam village watershed area





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<table>
<tr><td colspan="2">Digital Literacy Training to the students of ZPHS Chinnakomerla</td></tr>
<tr><td> 
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<tr><td>Rs. 1.25 Crores loan sanction to to 25 JLGs. CGM_ NABARD, GM-NABARD, Chairmen-DCCB, Kadapa, GM-APCOB, CEO-DCCB Kadapa & DDM-NABARD, Kadapa is present</td><td>Anganwadi Refurbishment – SC Colony, Chinnakomerla Village</td></tr>
<tr><td> 
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<tr><td>World Water day celebrations in Chinnakomerla Village</td><td>RO Water Plant at C. Kothapalli Village, Chinnakomerla GP</td></tr>
</table>

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Annexure-3

Ambient Noise Data (dBA)							
Location	Month	Oct'20	Nov'20	Dec'20	Jan'21	Feb'21	Mar'21
Packing Area	Day	65	65	64.5	67.4	65.4	64.2
	Night	55.6	56	56.5	56	57.4	55.2
Sub Station	Day	63.2	67	66.2	67.7	68	68.6
	Night	53.2	54	53.2	57.5	58.7	57.1
Mine Gate	Day	62	63	63.1	63.2	63.7	62.2
	Night	44.9	53	51.9	52.7	53	58.2
SwagathGuest House	Day	61.4	62	63	60.7	62.6	60.2
	Night	51.9	53	53.6	52.4	51.8	55
Time Office	Day	63.5	66	64.5	63.2	64.9	68.8
	Night	52.2	55	53.8	55.3	57	53.9
Truck Yard	Day	66.3	66	67.7	68.5	69.9	68
	Night	55.8	56	56.9	58.5	59.1	57.3
Vajram Nagar Gate	Day	60.6	60	61	60.6	61.8	58
	Night	50.9	54	53.8	53.8	52.2	54.2
Near DG area	Day	64.9	68	67.7	68.1	68.6	67.2
	Night	57	57.7	56.1	56.1	57.3	57
STP	Day	61.9	62	62	62.6	61.7	68.6
	Night	50	51	51.1	55.4	55.4	57.1
Sec. Gate 1	Day	63.5	65	65	64.2	64	64.8
	Night	52.2	54	55.1	54	55.3	54