

Date: 23.11.2023

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 : 5<sup>th</sup> April, 2007**

With reference to the subject cited above, we are herewith furnishing the compliance report to stipulated conditions of Environment Clearance in soft copy for the period of 1<sup>st</sup> April 2023 to 30<sup>th</sup> September 2023 of M/s Dalmia Cement (Bharat) Limited, Chinnakomerla village, Mylavaram Mandal, YSR Kadapa of AP – 516433.

This is for your Kind Information and office records and please acknowledge the receipt of the same.

Thanking you,

Yours faithfully

**For Dalmia Cement (Bharat) Limited**

Authorized Signatory



**(V. Chandrasahas Reddy)**

**HOD - Safety and Environment**

Enclosures: As Above

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 j08560 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: April 2023 to September 2023**

S. No	Condition	Our Compliance Status																								
<b>A. Specific Conditions</b>																										
1	<p>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 &lt;50 mg/nm<sup>3</sup>. The CPP will be based on AFBC technology and will have Air cooled condenser system for cooling of water CPP.</p>	<p><b>Complied.</b>            Bag houses have been installed for Raw mill, Coal mill, &amp; 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<sup>3</sup> as revised by Gazette Notification G.S.R 612(E) dated 26<sup>th</sup> August 2014 and as amended vide Gazette Notification G.S.R 497(E) dated 10<sup>th</sup> May 2016.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">S.No.</th> <th style="text-align: center;">Location of APCD</th> <th style="text-align: center;">Type</th> <th style="text-align: center;">Number</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Raw Mill/Kiln</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Coal Mill</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">Cooler</td> <td style="text-align: center;">ESP</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Cement Mill</td> <td style="text-align: center;">Bag House</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">5</td> <td style="text-align: center;">Various Transfer Points</td> <td style="text-align: center;">Bag Filter</td> <td style="text-align: center;">36</td> </tr> </tbody> </table> <p>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&amp;CC recognized third party laboratory accredited by NABL. Monthly reports are being submitted to regional pollution control board office &amp; Regional Office of MoEF&amp;CC on Half-Yearly Basis. Monitoring report summary enclosed as <b>Annexure-1</b></p> <p>At present CPP not commissioned.</p>	S.No.	Location of APCD	Type	Number	1	Raw Mill/Kiln	Bag House	1	2	Coal Mill	Bag House	1	3	Cooler	ESP	1	4	Cement Mill	Bag House	1	5	Various Transfer Points	Bag Filter	36
S.No.	Location of APCD	Type	Number																							
1	Raw Mill/Kiln	Bag House	1																							
2	Coal Mill	Bag House	1																							
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4	Cement Mill	Bag House	1																							
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<p><b>Covered Sheds</b></p>	<p><b>Raw Mill/Kiln Bag House</b></p>	<p><b>Bag Filters at Transfer Towers</b></p>
<p>2</p>	<p>The unit shall use the high calorific hazardous waste in their kiln. The relevant designed factors shall be incorporated at the inception stage itself.</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>• The system for using the high calorific hazardous waste in kiln was incorporated.</li> <li>• We are using Hazardous and non-Hazardous waste like Organic spent solvents liquids and solids, Spent carbon, Process Residues, RDF, Plastic Waste, FRP Waste and Biomass etc. For FY 2022, our TSR was 15.3%</li> <li>• 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.</li> <li>• 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</li> </ul>

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*Pneumatic System available for unloading and feeding of Carbon black powder to the mill through*



*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 Storage capacity of 100MT.*



**Newly Constructed Shed for Handling AFR materials**

3	<p>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 provided at all material handling and transfer locations. Low NOx burners shall be installed to control NOx emissions and lime injection shall</p>	<p><b>Complied</b></p> <ul style="list-style-type: none"> <li>The height of the stack attached to Raw Mill/Kiln is 162m, Coal Mill is 65 m, Cooler 41m and Cement mill 46.5. CPP is not commissioned.</li> <li>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</li> </ul>
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	<p>be carried out to reduce SO2 emissions, if required</p>	<p>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 &lt;1% and fuel Coal is 2-3%. Pet coke is 7.5 to 8.5. Therefore, lime injection is not required.</p> <ul style="list-style-type: none"> <li>The NOx and Sox values are being maintained below the specified norms.</li> </ul>																								
<p style="text-align: center;">4</p>	<p>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.</p>	<p><b>Complied.</b> 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.</p> <table border="1" data-bbox="792 1205 1466 1535"> <thead> <tr> <th>S.No.</th> <th>Stacks attached to Process</th> <th>CEMS Installed</th> <th>Parameters Monitored</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Raw Mill/Kiln</td> <td>Yes</td> <td>PM,SO2&amp;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 Filters</td> <td>Not Required</td> <td>Not Required</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Interlocking system have been provided, whenever pollution control equipment fails, the operation stops and provided interlocks on high DP, Temperature.</li> </ul>	S.No.	Stacks attached to Process	CEMS Installed	Parameters Monitored	1	Raw Mill/Kiln	Yes	PM,SO2&Nox	2	Coal Mill	Yes	PM	3	Cooler	Yes	PM	4	Cement Mill	Yes	PM	5	Bag Filters	Not Required	Not Required
S.No.	Stacks attached to Process	CEMS Installed	Parameters Monitored																							
1	Raw Mill/Kiln	Yes	PM,SO2&Nox																							
2	Coal Mill	Yes	PM																							
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4	Cement Mill	Yes	PM																							
5	Bag Filters	Not Required	Not Required																							
	<p>Acoustic enclosures will be provided at all high noise equipment and place to limit the noise</p>	<p><b>Complied</b></p>																								

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5	levels below 85 dBA.	<ul style="list-style-type: none"> <li>• Acoustic enclosures are provided at various locations like compressor houses, Process fans to bring down noise levels within the desired level.</li> <li>• Sign board are placed at high noise areas to caution workers working in the area.</li> <li>• 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.</li> </ul> <p>Further the noise levels are monitored at 10 locations during day and night time through MOEF&amp;CC recognized third party laboratory accredited by NABL on monthly basis and the Ambient levels are within the limits as per the CPCB standards.</p>
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.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Further we in process of installation of 3<sup>rd</sup> CAAQMS in our plant. Data upload to be completed. We will complete the same and upload data by 30<sup>th</sup> June 2023.</li> <li>• 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.</li> </ul>



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		<ol style="list-style-type: none"> <li>1. 110 KVA substation</li> <li>2. Near Mines gate</li> <li>3. Near Gate No.2</li> <li>4. Swagth Guest House</li> </ol>
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**3<sup>rd</sup> Movable CAAQMS**

7	<p>Fugitive emission shall be &lt;500mg/m<sup>3</sup>. bag filters shall be provided for all stacks except CPP boiler and cooler where ESP shall be provided.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• We have laid concrete roads at AFR Solid shed area and coal yard area.</li> <li>• We have taken following to mitigate fugitive emissions.</li> <li>• 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.</li> <li>• 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</li> </ul>
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		<p>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.</p> <ul style="list-style-type: none"> <li>• We have installed Water sprinkler system at Coal yard to prevent fugitive emission.</li> <li>• Thick green belt has been developed along the periphery of the plant.</li> <li>• 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.</li> <li>• The roads in Plant and Township are made of Bituminous/Concrete.</li> <li>• The vehicle speed is restricted to 20kmph to prevent fugitive dust.</li> <li>• We have newly laid 0.6 km of CC road Raw Material Handling area.</li> </ul>
8	<p>The regular monitoring of the fugitive emission shall be carried out by the unit as per the CPCB guidelines.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• MoEF&amp;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&amp;CC office on half yearly basis.</li> <li>• Ambient and stack emission reports are attached as <b>annexure-1</b>.</li> </ul>
9	<p>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.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Raw materials stored under covered yards, clinker &amp; fly ash in silos. Fugitive emissions are being controlled by providing:</li> <li>• 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.</li> <li>• Provided covered sheds for materials storage and covered material conveying systems and hoppers.</li> <li>• Fog system has been provided on belt conveyors to suppress dust. Provided water suppression system at all transfer points and hoppers.</li> <li>• We have installed sprinkler system in coal yard</li> </ul>



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	<p>to prevent fugitive emission.</p> <ul style="list-style-type: none"> <li>• Thick Green belt has been developed all along the periphery of the Plant.</li> <li>• 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.</li> <li>• 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.</li> <li>• The roads in the plant and township are made of bitumen/concrete.</li> <li>• The vehicular speed is restricted to 20 kpmh to prevent fugitive emission.</li> </ul>
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**Lime Stone Storage Shed**



**Coal & Additive yard**

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**Clinker Silo**

**Fly Ash Silo**

10	<p>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.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• The material is being transported in covered conveyor belt to avoid fugitive emissions.</li> <li>• The dry fog system installed at Coal and Limestone unloading points at all the transfer points, stock piles to arrest free release of dust.</li> <li>• The roads in Plant and Township are made of Bituminous/Concrete.</li> <li>• Mechanized dust suppression system installed at RMH area to prevent fugitive emission.</li> <li>• The vehicular speed is restricted to 20 kpmh to prevent fugitive emission</li> </ul>
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**Covered Conveyor Belts**

11	Wind breakers will be installed to restrict fugitive dust.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• No open stock piles are in the plant. All materials stored under covered sheds or silos.</li> <li>• 23500 saplings planted during FY 2022-23 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. All the transfer towers closed with sheets.</li> </ul>
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	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Raw materials transportation is done by covered conveyor belts. Fog system also installed on covered belts and crusher to avoid fugitive emissions.</li> <li>• Water sprinklers have been installed at coal yards, RMH area to prevent fugitive emission.</li> <li>• Regular water sprinkling can be done at all areas where fugitive dust can be generated.</li> </ul>
13	For cooling towers of CPP will have Air cooled condensers	CPP is not commissioned.
	Copy of water withdrawal permission from the relevant authority shall be submitted before	<p><b>Complied.</b></p> <p>We have obtained ground water withdrawal</p>

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14	starting the project.	permission from AP ground water department vide letter no. PRR05-11028(31)1/2021-SLNA-GIS-CORD dated on 16.07. 2021. NOC renewal will be done within the stipulated time.
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.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• No effluents are generated during cement manufacturing process.</li> <li>• 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.</li> <li>• The worked mined out area used for storage of rain water during monsoon.</li> <li>• 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.</li> <li>• Complete Plant Water Audit has been carried out Confederation of Indian Industry(CII)-Triveni Water Institute, Delhi to explore water saving opportunities in the month of December 2021. Water Audit report yet to be received. The Unit won CII National Excellence in Water Management (Noteworthy Unit) Award in 2022.</li> <li>• CPP is not yet commissioned.</li> </ul>

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**Sewage Treatment Plant**



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**Rain Water Harvesting**



**Plant inside Rain Water Harvesting Pond**

16	Solid waste generated shall be 100% recycled and reutilized in the process and no solid waste	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Solid waste generated from process is 100%</li> </ul>
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	<p>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.</p>	<p>recycled back in the Cement manufacturing process.</p> <ul style="list-style-type: none"> <li>• Organic sludge generated from sewage treatment plant is being used as fertilizer for trees.</li> <li>• Organic domestic waste generated in colony and canteen is used for Vermi composting/ Biogas generation.</li> <li>• Horticulture waste is being used as Bio-mass in Co-processing.</li> </ul>
17	<p>Verma composting shall be adopted for disposing off- bio-degradable waste from the domestic sources.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Vermi compost unit is made and compost being used for green belt development.</li> </ul>



**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.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• CPP is not commissioned till now, hence no bottom/Fly ash is generated.</li> <li>• Treated STP sludge used as a manure for greenbelt development.</li> <li>• Waste/used oil sludge is being re-used in plant for co-processing activity. We have obtained CFO for co-processing the same.</li> </ul>
19	The company will strictly follow all the recommendations mentioned in the charter on corporate responsibility for environment protection(CREP).	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Recommendation of CREP is implemented. We have carried out various CSR activities to uplift the community. The activities are mainly focused on Soil, Water and Energy conservation as well as livelihood. The CSR activity details for the period October 2022 to March 2023 attached as <b>Annexure-2.</b></li> </ul>
20	33% of the total area shall be developed as a Green Belt.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• We have planted 120000 saplings in 50 ha. In plant and Colony. Thick greenery developed along the periphery to observe fugitive dust and Noise. The native saplings are planted to increase the survival rate. 10000 no.of Bamboo saplings planted to use as alternate fuel to replace the natural resource coal.</li> </ul>

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**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: April 2023 to September 2023**



**Thick Green Belt in around the Plant**

21	<p>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.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Total Rainwater Harvesting Capacity=2400000KL</li> <li>• Plant Rain Water Harvesting Capacity=30000KL</li> <li>• 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.</li> <li>• STEP wells also made for ground water recharging purpose.</li> </ul>
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**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: April 2023 to September 2023**



**Rooftop Harvesting in Colony**



**Storm Water Drains connected to Pond**



**Drain Water Harvesting Pit**



**Plant Rain Water Harvesting Pond**

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.

**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: April 2023 to September 2023**

<b>B. General Conditions.</b>		
1	<p>The projects authorities must strictly adhere to the stipulations made by the state pollution control board (SPCB) and the state government.</p>	<b>Complied and noted for future compliance.</b>
2	<p>No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Now, we have proposed for an expansion for which Prior Environmental Clearance is being obtained. TOR has been obtained vide MoEF&amp;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.</li> <li>• Now We have got CFE for 0.54 Mn.Ton for Cement Production expansion on 06.03.2023</li> </ul>
3	<p>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.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>•The sewage treatment Plant water inlet and outlet is being monitored by MOEF&amp;CC recognized third party laboratory accredited by NABL on monthly basis for the parameters like pH, TDS, TSS, BOD and Oil &amp; Grease. All the values are within the CPCB stipulated norms.</li> </ul>
4	<p>The project proponent shall also comply with the all Environmental protection measures and safeguards recommended in the EIA/EMP report.</p>	<b>Complied.</b>
5	<p>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.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• No effluent is being generated during cement manufacturing.</li> <li>• 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 &amp; Grease.</li> <li>• STP water analysis report summary attached as <b>Annexure-1</b></li> </ul>

**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: April 2023 to September 2023**

6	<p>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.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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. <ul style="list-style-type: none"> <li>• Further the noise levels are monitored at 10 locations during day and night time through MOEF&amp;CC recognized third party laboratory accredited by NABL on monthly basis and the levels are within the limits as per the reports.</li> </ul> </li> </ul> <p>Ambient noise monitoring reports enclosed as <b>Annexure-3</b></p>
7	<p>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 exposure to Dust.</p>	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• We have deployed 2 high volume sweeping machines for roads cleaning in plant and colony to keep always neat and clean.</li> <li>• 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.</li> <li>• Medical records are being maintained for stipulated time.</li> </ul>



**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: April 2023 to September 2023**

STATUTORY				AMBULANCE CHECKS			
S. NO.	Description	Due date	Sl. No.	Description	Due date	Sl. No.	
1	Occupational Health check up	01-01-2023	1	Examination Mat	01-01-2023	1	
2	First Aid kit	01-01-2023	2	Orange cylinder	01-01-2023	2	
3	First Aid kit	01-01-2023	3	Road Tax	01-01-2023	3	
4	First Aid kit	01-01-2023	4	Insurance	01-01-2023	4	
5	First Aid kit	01-01-2023	5	Fitness	01-01-2023	5	
6	First Aid kit	01-01-2023	6	Service	01-01-2023	6	
MONTHLY REPORT				OHC MS REPORT			
S. NO.	Description	Due date	Sl. No.	Description	Due date	Sl. No.	
1	Injury report	01-01-2023	1	Out patients	01-01-2023	1	
2	WILIFE activity	01-01-2023	2	First aid injury	01-01-2023	2	
3	OHC MS report	01-01-2023	3	Reportable accidents	01-01-2023	3	
4			4	Pre-Employment	01-01-2023	4	
5			5	WILIFE activity	01-01-2023	5	



**Occupational health Centre**

8

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.

**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: April 2023 to September 2023**

9	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.	<p><b>Complied and agrees to comply</b></p> <ul style="list-style-type: none"> <li>• We have already spent 70 Cr. towards capital cost installing various pollution control devices. An amount of Rs.3 crore spent as recurring cost for the period of October 2022 to March 2023 for Environmental protection measures. The funds are being used judiciously for Environment protection.</li> <li>• The fund allocated to Environment protection shall not diverted to for any other purpose.</li> </ul>
10	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.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Six-month compliance report and Monitoring Data is being submitted regularly.</li> </ul>
11	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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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.	<p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Public notice has been published in Enaadu daily newspaper (Local Lang) Deccan Chronicle (English lang.). Copies have already been submitted along with earlier compliance.</li> </ul>



**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: April 2023 to September 2023**

**Annexure-1**

<b>Dalmia Cement (B) Limited, Chinnakomerla(vi), Mylavaram(m),YSR(dist).</b>								
<b>Half yearly (April 2023 to September 2023) Stack Emission and Ambient Air Quality Data</b>								
<b>SL.NO</b>	<b>STACK NAME</b>	<b>Apr'23</b>	<b>May'23</b>	<b>Jun'23</b>	<b>Jul'23</b>	<b>Aug'23</b>	<b>Sep'23</b>	<b>Average</b>
1	Cooler Emission (mg/Nm3)	6.08	22.8	5	18.02	20.6	12.9	14
2	Raw Mill/Kiln Emission (mg/Nm3)	19.68	15.8	14.8	7.6	9.2	17.1	14
	Raw Mill/Kiln Emission SOx (mg/Nm3)	3	19	7	58.5	89	42.1	36
	Raw Mill/Kiln Emission NOx (mg/Nm3)	219	174	276	303	137	274.9	231
3	Coal Mill Emission (mg/Nm3)	6.4	20.4	5	24.5	25.7	21.2	17
4	Cement Mill Emission (mg/Nm3)	28.2	33.6	22	27.2	21.2	26.1	26
<b>AMBIENT AIR</b>								
1	SO2 (µg/m3)	10.4	10	11.1	9.7	21.5	15.5	13
2	Nox (µg/m3)	21.8	20.7	23.2	20.7	18.5	20.5	21
3	PM 10 (µg/m3)	61.6	56.4	65.5	62.3	52.5	64.5	60
4	PM 2.5 (µg/m3)	30	26.4	32.1	27.7	17.8	22.5	26
<b>STP Water Quality</b>								
<b>INLET</b>								
1	PH	7.78	7.26	7.22	7.64	7.17	7.36	7
2	TDS(mg/l)	790	866	994	953	973	733	885
3	TSS(mg/l)	32	42	68	144	18	26	55
4	BOD(mg/l)	26	29	33	18	24	31	27
5	Oil&Grease(mg/l)	4	4	4	7.8	7.1	6.9	6
6	Fecal Coliform(MPN/100ml)	900	1600	900	50	90	60	600
<b>OUTLET</b>								
1	PH	7.6	8.06	7.69	8.48	7.3	7.32	8
2	TDS(mg/l)	793	788	879	886	912	708	828
3	TSS(mg/l)	8.9	7.4	11	23	10	9	12
4	BOD(mg/l)	9.7	8.2	10	11	5	17	10
5	Oil&Grease(mg/l)	4	4	4	4	4	4	4
6	Fecal Coliform(MPN/100ml)	30	40	70	30	50	30	42
<b>DG Sets Stack Data</b>								
1	Raw mill (625 KVA) (gr-kw/hr)			0.03			0.05	0.04
2	Cement Mill (625 KVA) (gr-kw/hr)			0.03			0.05	0.04
3	RMH (250 KVA) (g-kw/hr)			0.06			0.11	0.08

**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: April 2023 to September 2023**

**Annexure-2**

The CSR Expenditure Details (April - 2023 to September - 2023).

<b>Year</b>	<b>Activity Head</b>	<b>Expenses (Rs)</b>	<b>Remarks</b>
<b>2023-24 (April-23 to Sep-23)</b>	<b>I. SKILL &amp; LIVELIHOOD</b>		
	1. DIKSHa Project	705283	
	2. Gram Parivarthan Project	180325	
	<b>II. SOCIAL DEVELOPMENT</b>		
	1. WoW Bus Project	197787	
	2. Painting of Village Cultural Centre at Nawabpeta	102978	
	3. Event and Day Celebrations	14610	
	4. Unit Contingency fund	15104	
	<b>Grand Total</b>	<b>1216087</b>	

**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: April 2023 to September 2023**

Annexure-3

<b>Half yearly Ambient Noise Data (dBA)</b>								
<b>Period: April 2023 to September 2023</b>								
<b>Location</b>	<b>Month</b>	<b>Apr'23</b>	<b>May'23</b>	<b>Jun'23</b>	<b>Jul'23</b>	<b>Aug'23</b>	<b>Sep'23</b>	<b>Average</b>
Mine Gate	Day	64.1	64.5	66.8	66.4	67.5	60.4	<b>64.74</b>
	Night	53.1	53.2	53.9	60.7	61.7	55.7	<b>56.38</b>
Gate no :2	Day	65	65.2	69.9	68.6	70.1	63.1	<b>66.98</b>
	Night	55.3	55.5	57.5	64.2	65.9	58.6	<b>59.2</b>
Vajram Nagar Gate	Day	62.7	62	62.1	64.2	65.6	55.2	<b>61.96</b>
	Night	53.6	53.4	54.6	60.4	60.6	50.4	<b>55.5</b>
Colony area	Day	61.7	61.3	59.9	60.7	60.7	56.5	<b>60.13</b>
	Night	53.2	53.1	51.1	54.3	55.3	51.3	<b>53.05</b>
Sec. Gate 1	Day	67	67.6	69	68.1	69.8	65.8	<b>66.18</b>
	Night	55.1	55.8	55.7	59.7	64.1	58.9	<b>58.21</b>

1

**Government of Andhra Pradesh**  
**Forest Department**

From

Sri M Guru Prabhakar, SFS,  
Divisional Forest Officer,  
Proddatur (WL) Division.  
YSR Kadapa District.

To

The Authorized Signatory  
Dalmia Cement (Bharat) Ltd.  
Chinnakomerla Village  
Mylavaram Mandal.  
YSR Kadapa District.

**Rc. No. 364 / 2019 - P8, Dt. : 27-08-2019.**

Sir,

Sub :- Forest Department - Dalmia Cement (Bharat) Ltd. - 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 & Captive Lime Stone Mine) along with installation of Solar Power Plant by M/s Dalmia Cement (Bharat) Limited at Villages; Chinnakomerla & Dugganapalli, Mylavaram Mandal, YSR Kadapa District, Andhra Pradesh - - Regarding

Ref :- 1) Authorized Signatory, Dalmia Cement (Bharat) Ltd. Lr. No. Nil, Dated : Nil (Received in this office on 24-07-2019)  
2) Forest Range Officer, Muddanur Rc. No. 65 / 2019, Dt. 16/08/2019

\*\*\*\*\*

In response to your letter 1<sup>st</sup> cited, the report of the Forest Range Officer, Muddanur who has inspected the site pertaining to the user agency on 14-08-2019 is enclosed herewith for taking further action at your end.

Yours faithfully,

**Encl. :-** Copy of FRO letter (3 pages)  
(Reference 2<sup>nd</sup> cited)

**Sd/- M. Guru Prabhakar**  
Divisional Forest Officer  
Proddatur (WL) Division

//T.C.B.O.//

  
Superintendent  
27/8/19

GOVERNMENT OF ANDHRA PRADESH

FOREST DEPARTMENT

From

Sri S. Rama Mohan Reddy,  
Forest Range Officer,  
MUDDANUR.

To

The Divisional Forest Officer,  
Wild Life Division,  
PRODDATUR.

Rc.No. 65/2019 dated 16.08.2019

Sir,

Sub : Forest Department- Integrated Cement Plant and Captive Nawabpet, Talamanchipatnam Lime Stone Mine (ML area 407.05 Ha.) at villages; Chinnakomerla & Dugganapalli of Mylavaram Mandal, YSR Kadapa District, Andhra Pradesh by M/s Dalmia Cement (Bharat) Limited - Remarks/ observations called for - Report submission of - Reg.

Ref : D.F.O. Proddatur Rc.No. 364/2019-P8 dt. 24.07.2019

-o0o-

In obedience to the reference cited, I submit that I have inspected the Lime Stone Mining and Cement Plant of M/s. Dalmia Cement (Bharat) Limited along with the user agency on 14.08.2019 and my observations are as follows.

1	List of Flora & fauna (latest) in the surrounding area (10 Kms radius)	It is observed that Hares, monkeys, Wild boars are presenting in the surrounding area and no Schedule I species exist (10 Kms radius). Flora it is observed that Neem, Prosopis Juliflora, Kanuga, Regu.
2	Type of vegetation in the area	Raavi, Tamarind, Neem are presenting the proposed area
3	Location of any National Park, Wild life sanctuary, Elephant / Tiger reserve (existing as well as proposed) migratory routes, if any within 10 kms of the project site on the map. In case these features are not available, certificate may be issued in this regard	Certified that there are no any National Park, Wild life sanctuary, Elephant / Tiger reserve (existing as well as proposed) migratory routes, if any within 10 kms of the project site on the map
4	MoEF & CC, GOI suggested to ensure local species are planted in the green belt. A list of local species may be provided for	List of Local species like Acacia nilotica, Croton sparsy flora, Dathura metal, Delonix regia, Dodonia viscose, Ficus benghalensis, Oryza sativa, Punia

guidance to develop green belt.

granatum, Tribulus terrestris, Tridax procumbens, Zizuphus xyloporus, Neem, Pongamia, Raavi, Tamarind etc. are pre dominant species. Hence it is suggested to develop the green belt with the above mentioned species.

Further it is submitted the plant and mining area is 9 Kms distance from nearest R.F. i.e. Pennar Plantation VIII, Compt. No. 62. There is no Forest land are involved in the Mining and Plant area. No adverse impact on Bio-Diversity is envisaged from this project.

This is submitted for favour of information and necessary action.

Yours faithfully,

*Siddh*  
16/08/19  
Forest Range Officer,  
Muddanur.







newthink! cement! sugar! refractories! po

To,  
The Chief Wildlife Warden,  
Govt. of Andhra Pradesh,  
Aranya Bhawan , K.M. Munshi Road,  
Nagarampalem, Guntur-522004.

Date: 04.10.2019.

Sub: Comprehensive Conservation Plan for Wld Life in Nawabpet - Talamachipatanam Limestone Mine (ML area 407.05 Ha) of M/s Dalmia Cement (Bharat) Ltd, Chinnakomerla Village, Mylavaram Mandal, YSR (Kadapa) dist-reg.

Ref: Forest Department Letter No: Rc.364/2019-P8, Dt: 27-08-2019.

Dear Sir,

This has reference to the subject cited above. A comprehensive wild life conservation plan to be prepared in consultation with your good office, as per the regulatory requirement. Subsequently, we have approached to the Divisional Forest officer, Proddatur (WL) Division of YSR District for primary data of flora and fauna in and around 10km radius of our project area.

The Division forest officer, wild life division called for observations from the Concerned Forest Range Officer, Muddanur. The RFO inspected the Limestone mining area & Cement plant and submitted detailed report to the DFO Proddatur.

Based on the report received, the DFO of Proddatur certified that there are no scheduled I species, any wild life sanctuary, National Park, Elephant/Tiger reserve, migratory routes exists within the 10 kms of the project area. Accordingly the wild life conservation plan does not arise.

In this above circumstances, we request your good self for certification for the same.

Thanking you sir,

Yours Faithfully  
For Dalmia Cement (Bharat) Ltd.,

  
Authorised Signatory



Encl: as above

**GOVERNMENT OF ANDHRA PRADESH  
FOREST DEPARTMENT**

<b>From</b> Sri. N.Prateep Kumar, I.F.S., Pr. Chief Conservator of Forests & HoFF and Pr. Chief Conservator of Forests (WL) & Chief Wildlife Warden (FAC), Andhra Pradesh, Aranya Bhavan, Guntur - 522004.	<b>To</b> The Authorized Signatory, M/s Dalmia Cement (Bharat) Limited., Chinnakomerla & Dugganapalli Villages, Mylavaram Mandal, YSR Kadapa District, Andhra Pradesh.
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**Rc.no. 10432/2020/WL-2, Date: 04/10/2021**

<b>Sub</b>	Andhra Pradesh Forest Department - Wildlife - M/s Dalmia Cements :- (Bharat) Ltd., YSR Kadapa District - Lime stone area and 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 to 27 & Captive lime stone Mine) along with installation of Solar Power Plant - - Request for authentication and approval of Flora & Fauna - Approval of Comprehensive Wildlife Conservation Plan for the Schedule-I animals -Orders issued - Regarding.
<b>Ref:</b>	1. Authorized Signatory, M/s Dalmia Cements (Bharat) Ltd., Ir . no. nil, dt. 04.10.2019. 2. CF, Kurnool Rc.no. 4947/2019/TO, dt. 16.07.2020. 3. PCCF (WL) & CWLW, Rc .no. 10432/2019/WL-2, dt. 25.03.2021. 4. CF, Kurnool, Rc.no. 4947/2019/TO, dt. 11.08.2021.

-000-

It is informed that in response to the reference 1st cited and as per the reports of the Conservator of Forests, Kurnool in the references 2nd and 4th cited, the following points are hereby authenticated;

- No forest land is involved in the mining and plant area.
- There is no National Park, Wildlife Sanctuary within the radius of 10 km from the proposed site.
- The Cement plant and mining lease area is at 9.61 km distance from the nearest Reserve Forest boundary i.e., Pennar Plantation VIII, Compt. No. 62.
- Rajiv Gandhi National Park boundary is at a distance of 32.80 km from the proposed site.
- The Comprehensive Conservation Plan prepared for the following Schedule-I animals of the the impact zone (10 km radius) for Rs.165.00

lakh is hereby approved for its implementation.

- *Antilope cervicapra* (Blackbuck)
- *Gazelle gazelle* (Chinkara, Burra jinka)
- *Manis crassicaudata* (Alugu / Scaly ant eater or Indian Pangolin)
- *Varanus bengalensis* (Large Bengal Monitor Lizard)
- *Pachliopta hector* (Crimson Rose)
- *Accipiter badius* (Shikra)
- *Elanus axillaris* (Black shouldered kite)
- *Milvus migrans* (Black kite)
- *Pavo cristatus* (Indian Peafowl)

Further, the Authorized Signatory, M/s Dalmia Cements (Bharat) Ltd., is requested to deposit an amount of Rs.165.00 lakh (Rupees One hundred and sixty five lakh only) in the following Account at an early date;

Name of the account:	Wildlife Conservation projects & CSR (WLC & CSR)
Name of the Bank	Union Bank of India, Kannavarithota Branch, Guntur, Andhra Pradesh.
Account No.	024210100114054.
IFSC code:	UBIN0802425

Encl:-Map & Conservation Plan

**N Prateep Kumar**

Principal Chief Conservator of Forests & HoFF,  
Principal Chief Conservator of Forests (WL) &  
Chief Wildlife Warden (FAC)

Copy submitted to the Secretary, MoEF & CC, Impact Assessment Division, Government of India, 3<sup>rd</sup> Floor, Vayu wing, Indira Paryavaran Bhawan, Jorbagh Road, Aliganj, New Delhi - 110003.

Copy to the Conservator of Forests, Kurnool for information and necessary action.  
Copy to the Divisional Forest Officers, Proddatur (WLM) for information and necessary action.

Signed by N Prateep Kumar

Date: 04-10-2021 21:27:29

Reason: Approved



**FAUNAL DIVERSITY in CORE & BUFFER ZONE of M/s Dalmia Cement (Bharat) Ltd.**

S. No.	Scientific Name	Common Name	Conservation Status according to IWPA' 1972
<b>MAMMALS</b>			
1.	<i>Antelope cervicapra</i>	Black Buck	Sch.I
2.	<i>Bandicota bengalensis</i>	Indian Mole Rat	Sch. V
3.	<i>Canis aureus</i>	Jackal	Sch. II
4.	<i>Funambulus pennanti</i>	Northern Palm Squirrel	Sch. IV
5.	<i>Herpestes edwardsii</i>	Mongoose	Sch. II
6.	<i>Gazelle gazelle</i>	Chinkara . Burra Jinka	Sch. I
7.	<i>Lepus nigricollis</i>	Black-naped Hare	Sch. IV
8.	<i>Manis crassicaudata</i>	Alugu/ Scaly anteater or Pangolin	Sch.I
9.	<i>Felis chaus</i>	Jungle Cat	Sch.II
10.	<i>Mus booduga</i>	Little Indian Mouse	Sch.V
11.	<i>Presbytis entellus</i>	Common Langur	Sch. II
12.	<i>Rattus rattus</i>	Domestic Rat	Sch. V
13.	<i>Suncus murinus</i>	Grey Musk Shrew	Sch. V
14.	<i>Sus scrofa</i>	Wild Pig	Sch.III
15.	<i>Rousettus leschenaultii</i>	Fulvous Fruit Bat	Sch. IV
<b>HERPETOFAUNA - REPTILES</b>			
1.	<i>Calotes versicolor</i>	Common Garden Lizard	Sch. IV
2.	<i>Chamaeleo zeylanicus</i>	Indian chameleon	Sch. II
3.	<i>Daboia russelii</i>	Russell's viper	Sch. II
4.	<i>Eryx johnii</i>	Red sand boa	Sch. IV
5.	<i>Hemidactylus brookii</i>	Spotted Gecko	Sch. IV
6.	<i>Hemidactylus flaviviridis</i>	House lizard	Sch. IV
7.	<i>Psammophilus dorsalis</i>	Peninsular Rock agama	Sch. IV
8.	<i>Mabuya carinata</i>	Brahminy Skink	Sch. IV
9.	<i>Naja Naja</i>	Indian Cobra , Nagupamu	Sch. II
10.	<i>Natrix stolata</i>	Checkered keelback water snake	Sch. II
11.	<i>Ptyas mucosa</i>	Rat Snake	Sch.II
12.	<i>Varanus bengalensis</i>	Large Bengal Monitor Lizard	Sch.I
<b>HERPETOFAUNA - AMPHIBIANS</b>			
1.	<i>Bufo melanostictus</i>	Goduru Kppa	Sch. IV
2.	<i>Duttaphrynus melanostictus</i>	Common Indian toad	Sch. IV
3.	<i>Hoplobatrachus tigerinus</i>	Common Indian bull frog	Sch. IV
4.	<i>Polypedates maculatus</i>	Common Tree Frog	Sch. IV
5.	<i>Rana hexadactyla</i>	Common Frog	Sch. IV
6.	<i>Rana Tigrina</i>	Common Frog	Sch. IV
7.	<i>Sphaerotheca breviceps</i>	Indian Burrowing frog	Sch. IV
<b>AQUATIC FAUNA</b>			
1	<i>Boleophthalmus species</i>	Mudskippers	Sch.IV
2	<i>Catla catla</i>	Catla	Sch. IV
3	<i>Oreochromis niloticus</i>	Tilapia	Sch. IV
4	<i>Ophiocephalus striatus</i>	Korameenu	Sch. IV

5	<i>Labeo calbasu</i>	Rohu / gandu menu	Sch. IV
6	<i>Barbus sarana</i>	Buddaparakalu	Sch. IV
7	<i>Clarias species</i>	Marpulu	Sch. IV
8.	<i>Heteopjerestis fossilis</i>	Ramalu	Sch. IV
9.	<i>Cirrhina fuluggi</i>	korrimukkalu	Sch. IV
10.	<i>Penaeus mondon</i>	Prawn species	Sch. IV
<b>BUTTERFLIES &amp; DRAGONFLIES</b>			
1	<i>Belenois aurota</i>	Pioneer butterfly	Sch. IV
2	<i>Brachythemis contaminata</i>	Ditch jewel dragonfly	Sch. IV
3	<i>Byblia ilithyia</i>	Joker butterfly	Sch. IV
4	<i>Danus chrysippus</i>	Plain tiger butterfly	Sch. IV
5	<i>Diplacodes trivialis</i>	Ground skimmer dragonfly	Sch. IV
6	<i>Junonia orithya</i>	Blue pansy butterfly	Sch. IV
7	<i>Junonia lemonias</i>	Lemon pansy butterfly	Sch. IV
8	<i>Parantica aglea</i>	Glassy tiger butterfly	Sch. IV
9	<i>Pieris napi</i>	Green veined butterfly	Sch. IV
10	<i>Vanessa cardui</i>	Painted lady butterfly	Sch. IV
11	<i>Danaus chrysippus</i>	Plain Tiger	Sch. IV
12	<i>Hypolimnas bolina</i>	Great eggfly	Sch. IV
13	<i>Colitis danae danae</i>	Crimson Tip	Sch. IV
14	<i>Junonia lemonias</i>	Lemon Pansy	Sch. IV
15	<i>Junonia hierta</i>	Yellow Pansy	Sch. IV
16	<i>Junonia orithya</i>	Blue Pansy	Sch. IV
17	<i>Danaus genutia</i>	Striped Tiger	Sch. IV
18	<i>Catopsilia pomona</i>	Common Emigrant	Sch. IV
19	<i>Catopsilia pyranthe</i>	Mottled Emigrant	Sch. IV
20	<i>Papilio demoleus</i>	Lime Butterfly	Sch. IV
21	<i>Papilio polytes</i>	Common Mormom	Sch. IV
22	<i>Junonia iphita</i>	Chocolate Pansy	Sch. IV
23	<i>Pachliopta hector</i>	Crimson Rose	Sch. I
24	<i>Symphaedra nais</i>	Barronet	Sch. IV
25	<i>Euploca core</i>	Common Crow	Sch. IV
26	<i>Acraea violae</i>	Tawny Coster	Sch. IV
27	<i>Euchrysops cnejus</i>	Gram Blue	Sch. II
28	<i>Eurema hecabe</i>	Common grass yellow	Sch. IV
<b>AVI FAUNA</b>			
1.	<i>Acridotheres ginginianus</i>	Bank myna	Sch. IV
2.	<i>Actitis hypoleucos</i>	Common Sandpiper	Sch. IV
3.	<i>Acrocephalus dumetorum</i>	Blythe's Reed Warbler	Sch. IV
4.	<i>Accipiter badius</i>	Shikra	Sch. I
5.	<i>Acridotheres tristis</i>	Common myna	Sch. IV
6.	<i>Aegithina tiphia</i>	Common lora	Sch. IV
7.	<i>Alauda gulgula</i>	Oriental Skylark	Sch. IV
8.	<i>Alcedo atthis</i>	Common Kingfisher	Sch. IV
9.	<i>Amaurornis phoenicurus</i>	White breasted water hen	Sch. IV
10.	<i>Ammomanes phoenicurus</i>	Rufous tailed Lark	Sch. IV



11.	<i>Anastomus oscitans</i>	Open bill stork	Sch. IV
12.	<i>Anas poecilorhyncha</i>	Spot billed duck	Sch. IV
13.	<i>Anhinga rufa</i>	Darter, Snake bird	Sch. IV
14.	<i>Apus affinis</i>	House swift	Sch. IV
15.	<i>Ardea cinerea</i>	Grey heron	Sch. IV
16.	<i>Ardeola grayii</i>	Pond heron	Sch. IV
17.	<i>Athene brama</i>	Spotted owl	Sch. IV
18.	<i>Bubulcus ibis</i>	Cattle egret	Sch. IV
19.	<i>Bubo bengalensis</i>	Indian Eagle Owl	Sch. IV
20.	<i>Caprimulgus indicus</i>	Indian Night jar	Sch. IV
21.	<i>Corvus culminatus</i>	Jungle Crow	Sch. IV
22.	<i>Corvus splendens</i>	House Crow	Sch. IV
23.	<i>Centropus sinensis</i>	Greater coucal	Sch. IV
24.	<i>Ceryle rudis</i>	Pied kingfisher	Sch. IV
25.	<i>Cecropis daurica</i>	Red rumped Swallow	Sch. IV
26.	<i>Coracina macei</i>	Large Cuckoo Shrike	Sch. IV
27.	<i>Charadrius dubius</i>	Little ringed plover	Sch. IV
28.	<i>Chrysomma sinense</i>	Yellow eyed Babbler	Sch. IV
29.	<i>Columba livia</i>	Blue rock pigeon	Sch. IV
30.	<i>Copsychus saularis</i>	Oriental magpie robin	Sch. IV
31.	<i>Coracias benghalensis</i>	Indian roller	Sch. IV
32.	<i>Corvus splendens</i>	Common crow	Sch. V
33.	<i>Cypsiurus balasiensis</i>	Asian Palm Swift	Sch. IV
34.	<i>Dendrocitta vagabunda</i>	Rufous Tree pie	Sch. IV
35.	<i>Dicrurus macrocercus</i>	Black drongo	Sch. IV
36.	<i>Dicrurus caerulescens</i>	White bellied Drongo	Sch. IV
37.	<i>Egretta garzetta</i>	Little egret	Sch. IV
38.	<i>Elanus axillaris</i>	<b>Black shouldered kite</b>	<b>Sch. I</b>
39.	<i>Eremopterix griseus</i>	Ashy crowned sparrow lark	Sch. IV
40.	<i>Eudynamis scolopaceus</i>	Asean koel	Sch. IV
41.	<i>Euodice malabarica</i>	Indian Silver Bill	Sch. IV
42.	<i>Francolinus pondicerianus</i>	Grey francolin	Sch. IV
43.	<i>Fulica atra</i>	Common Coot	Sch. IV
44.	<i>Gallus gallus</i>	Jungle fowl	Sch. IV
45.	<i>Halcyon smyrnensis</i>	White throated kingfisher	Sch. IV
46.	<i>Himantopus himantopus</i>	Black winged stilt	Sch. IV
47.	<i>Hirundo rustica</i>	Common swallow	Sch. IV
48.	<i>Ketupa zeylonensis</i>	Brown Fish Owl	Sch. IV
49.	<i>Lanius meridionalis</i>	Southern Grey Shrike	Sch. IV
50.	<i>Lanius vittatus</i>	Bay- backed shrike	Sch. IV

51.	<i>Lanius cristatus</i>	Golden Oriole	Sch.IV
52.	<i>Lonchura striata</i>	White rumped Munia	Sch. IV
53.	<i>Lonchura punctulata</i>	Scaly breasted Munia	Sch.IV
54.	<i>Megalaima haemacephala</i>	Coppersmith Barbet	Sch.IV
55.	<i>Merops orientalis</i>	Small bee- eater	Sch. IV
56.	<i>Microcarbo niger</i>	Little cormorant	Sch.I
57.	<i>Milvus migrans</i>	Black kite	Sch.IV
58.	<i>Mycteria leucocephala</i>	Painted stork	Sch. IV
59.	<i>Nectarinia asiatica</i>	Purple sunbird	Sch IV
60.	<i>Orthotomus sutorius</i>	Tailor Bird	Sch. IV
61.	<i>Passer domesticus</i>	House sparrow	Sch. I
62.	<i>Pavo cristatus</i>	Indian Peafowl.	Sh.IV
63.	<i>Perdica asiatica</i>	Jungle Bush Quail	Sch.IV
64.	<i>Pericrocotus cinnamomeus</i>	Small minivet	Sch. IV
65.	<i>Phalacrocorax niger</i>	Little Cormorant	Sch.IV
66.	<i>Plegadis falcinellus</i>	Glossy Ibis	Sch.IV
67.	<i>Ploceus philippinus</i>	Baya- weaver bird	Sch. IV
68.	<i>Phoenicurus ochruros</i>	Black Red start	Sch IV
69.	<i>Porphyrio porphyrio</i>	Purple swamp hen	Sch. IV
70.	<i>Prinia socialis</i>	Ashy prinia	Sch. IV
71.	<i>Pseudibis papillosa</i>	Red naped Ibis	Sch. IV
72.	<i>Psittacula krameri</i>	Rose ringed parakeet	Sch. IV
73.	<i>Pterocles exustus</i>	Chestnut bellied Sandgrouse	Sch.IV
74.	<i>Pycnonotus cafer</i>	Red vented bulbul	Sch. IV
75.	<i>Rhipidura aureola</i>	White browed Fantail	Sch.IV
76.	<i>Phaenicophaeus viridi rostris</i>	Blue faced Malkoha	Sch.IV
77.	<i>Sarkidiornis sylvicola</i>	Comb duck	Sch. IV
78.	<i>Saxicoloides fulicata</i>	Indian robin	Sch. IV
79.	<i>Saxicola caprata</i>	Pied Bush chat	Sch IV
80.	<i>Spilopelia chinensis</i>	Spotted dove	Sch. IV
81.	<i>Spilopelia senegalensis</i>	Laughing dove	Sch. IV
82.	<i>Streptopelia decaocto</i>	Eurasian collared dove	Sch. IV
83.	<i>Sturnus contra</i>	Asian pied starling	Sch. IV
84.	<i>Sturnia pagodarum</i>	Brahminy starling	Sch. IV
85.	<i>Tachybaptus ruficollis</i>	Little grebe	Sch. IV
86.	<i>Tadorna ferruginea</i>	Ruddy Shelduck	Sch.IV
87.	<i>Tephrodornis pondicerianus</i>	Common woodshrike	Sch IV
88.	<i>Terpsiphone paradisi</i>	Asian Paradise Flycatcher	Sch.IV
89.	<i>Threskiornis melanocephalus</i>	Black headed Ibis	Sch.IV
90.	<i>Tringa hypoleucos</i>	Common Sandpiper	Sch.IV



91.	<i>Tringa nebularia</i>	Green Shank	Sch.IV
92.	<i>Turdoides striatus</i>	Jungle babbler	Sch. IV
93.	<i>Turdoides caudata</i>	Common Babbler	Sch.IV
94.	<i>Upupa epops</i>	Common Hoopoe	Sch.IV
95.	<i>Vanellus indicus</i>	Red-wattled lapwing	Sch. IV
96.	<i>Vanellus malabaricus</i>	Yellow wattled Lapwing	Sch.IV

Abstract		
Sl.No	Details	No. of Species
1	Mammals	15
2	Reptiles	12
3	Amphibians	7
4	Aquatic Fauna	10
5	Butterflies & Dragonflies	36
6	Avi Fauna	96
	<b>Total No. of Species</b>	<b>176</b>

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 Forest Officer  
 Maddur Forest

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 Dy. Forest Officer  
 Maddur Forest

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 Divisional Forest Officer  
 Proddatur (WL) Division

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 30/1/21  
 Conservator of Forests,  
 Kurnool Circle, KURNOOL

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 Pri. Chief Conservator of Forests (WL)  
 & Chief Wildlife Warden, A.P.

**Revised Action Plan Proposals for a period of Three Years for Conservation of Wildlife in Reserved Forests in of Dhodium, Dhodium Ext A, Dhodium Ext B, Dobbudipalli, M.Kambaladinne, Nelanuthala, Gandikota (South, North & Ext Blocks), Yamavaram & Penneru Blocks - Proddatur (WL) Division**

Sl No.	Activity	Year wise projections												Total		
		1st year			2nd year			3rd year			Phy	Fin	Fin			
		Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin						
1	2	3	4	5	6	7	8	9	10	11	12	13				
1	<b>HABITAT IMPROVEMENT &amp; CONSERVATION</b>															
a	Development of Natural grass lands over an area of 5 Ha. In various bits of Pennar RF and the corridor connecting the mining area with Dhodium, Dhodium Extension Blocks A& B, Dobbudipalli, M.Kambaladinne and Nelanuthala Reserve Forests, If necessary fencing also may be proposed depending on site specific conditions. Estimates may be prepared basing on FSR & Data of that specific area.	20	0.200	4.000	0	0	0	0	0	0	0	0	0	0	20	4.000 /
	a) Creation															
	b) Maintenance	0		0	20	0.050	1.000	20.00	0.050	1.000	20	2.000	0	20	2.000	✓
b	Dibbling pre-sprouted / treated seed of forest fruit plants and forest flowering plants @ 5 kgs/ ha in identified suitable patches in Pennar the corridor connecting the mining area with Dhodium, Dhodium Extension blocks A & B, Dobbudipalli M. Kambaladinne and Nelanuthala Reserve Forests over an area of 50 Ha for 2 years. (Average cost of seed per kg is taken as Rs. 200 / Kg.)	25	0.050	1.250	25	0.050	1.250	0	0	0	0	0	0	50	2.500	✓
c	Cost of Salt licks @ Rs. 1000 / 1 No for 3 year i.e., 15 Nos (including cost of transport and fixing at site).	15	0.010	0.150	15	0.010	0.150	15	0.010	0.150	15	0.150	0.150	45	0.450	✓

Sl No.	Activity	Year wise projections											
		1st year			2nd year			3rd year			Total		
		Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	
2	<b>WATER RESOURCES</b>												
a	Constnction of Saucers in Reserved Forests of Dhodium, Dhodium Ext A, Dhodium Ext B, Dobbudipalli, M.Kambaladinne, Nelanuthala, Gandikota (South, North & Ext Blocks), Yamavaram & Penneru Blocks.	26	0.150	3.900	0		0	0		0	26	3.900	
b	Digging of Borewell in Nelanuthala Reserved Forests and installation of Solar panels and Digging of Percolation tank Rs. 2,00,000/- will be provided for Percolation tank to the department and rest of Funds will be utilised by M/s Dalmia Cement (Bharat)Ltd for Digging of Borewell , fixing of solar panels and Grundfos submersible Motor Rs. 6,00,000/-.	1	8.000	8.000							1	8.000	
c	Formation / Improvement of Percolation Tank			0	2	1.000	2.000	0		0	2	2.000	
d	Construction of Check dams 2 Nos. in Dhodium and M.Kambaladinne Reserved Forests @ 3.000 lakhs each			0	1	3.000	3.000	1		3.000	2	6.000	
e	Repairs to tanks and improvement of perfinnial water resources in the study area.	LS		1.000	LS		1.000				LS	2.000	
3	<b>MAN - ANIMAL CONFLICT MITIGATION</b>												
a	Man animal conflict (Compensation of crop damages by Black bucks and Chinkaras)	LS		1.000	LS		1.000	LS		1.000	LS	3.000	
4	<b>PROCUREMENT OF WATER TANKER &amp; TRACTOR AND MAINTENANCE FOR (2) YEARS</b>												
a	Cost of tractor cum trailer mounted with a water tank.	1	8.000	8.000			0			0	1	8.000	



Sl No.	Activity	Year wise projections											
		1st year			2nd year			3rd year			Total		
		Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	
b	Wages to the tractor driver and one assistant for filling of water in the sacur pits. Driver wage @ Rs. 22000/ month for 3 years. Wages to assistant @ Rs.10000 / pm for a period of 3 years. Calculated for (6) months per year.	2	0.320 per month	1.920	2	0.320 per month	1.920	2	0.320 per month	1.920	2	5.760 /	
c	Fuel charges and maintenance for the tractor @ Rs. 90,000/- per (6) months for a period of 3 years.	1	0.150 per month	0.900	1	0.150 per month	0.900	1	0.150 per month	0.900	1	2.700 /	
5	<b>PROCUREMENT OF VEHICLES FOR PROJECT IMPLEMENTATION &amp; PATROLLING UNIT INCLUDING ONE YEAR MAINTENANCE.</b>												
a	Procurement of Vehicle for the project implementing / monitoring officer			28.000			28.000			0	1	28.000 /	
	a) For Monitoring officers (Innova)	1	28.000	28.000			0			0	1	12.000 /	
	b) For Implementing Authority (DFO)	1	12.000	12.000			5.280	2	0.220 per month	5.280	4	10.560 /	
b	Wages to the driver for the vehicle @ Rs. 22000/- pm for a period of 2 year.				2	0.220 per month	5.280	2	0.220 per month	5.280	4	10.560 /	
c	Fuel charges and maintenance of vehicle @ 15000/- pm for a period of 2 year.				2	0.150 per month	3.600	2	0.150 per month	3.600	4	7.200 /	
d	Providing Vehicle for the Forest Range Officer, Muddanur to improve the protection and facilitate the management of Core & Buffer area of M/s Dalmia Cement(Bharat) Ltd , Reserved Forests and surrounding areas – Monitoring wildlife.			8.000			8.000			0	1	8.000 /	
e	Fuel costs and maintenance of vehicle @ 15000/- pm for a period of 2 year.				1	0.150 per month	1.800	1	0.150 per month	1.800	2	3.600 /	
f	Wages for the driver and (2) protection watchers @ 22000 pm for driver and Rs. 10000/- PM for Protection watcher for a period of 2 year.				1	0.420 per month	5.040	1	0.420 per month	5.040	2	10.080 /	

Sl No.	Activity	Year wise projections											
		1st Year			2nd year			3rd year			Total		
		Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Fin	Fin
1	2	3	4	5	6	7	8	9	10	11	12	13	
6	Wages to Research Scholar / Naturalist Research and Monitoring the species ( Flora & Fauna ) in the specified area for (2) Years Rs.25,000/- per month .				1	0.250 per month	3.000						
7	Planting of Host plants for Butterflies in the Reserved Forests near Gandikota and maintenance of plants w.r.t conservation of Crimson Rose Butterfly.				LS		2.000			0	LS		2.000
8	Fire Protection measures in the area , which increase the debris in the Forests and facilitate increase of termite and Ants & also for developing grasslands	LS		1.000	LS		1.500	LS		1.500	LS		4.000
9	<b>AWARENESS PROGRAMMES</b>												
a	Awareness activities need to be carried out in the villages of Buffer area and surrounding villages . The awareness programs include display of posters, signage, celebration of Wildlife Week, Van mahotsava and other important days related to conservation of wildlife, organizing nature camps involving schools, colleges in the respected area, distribution of Brouchures, pamphlets regarding the wildlife of Buffer area & conservation measures to be taken. Organisation Activities	3	0.250	0.750	3	0.250	0.750	4	0.250	1.000	10		2.500
b	Publicity material preparation like Brouchures, Pampheltes, Posters, Calenders,Clocks, mugs, T-shirts, Key chains etc. The publicity material may be displayed at all Government buildings, schools, colleges in buffer and surrounding villages. Emphasis need to be given in preparation of Publicity material in conservation of Schedule I Fauna of the area.	LS		1.000	LS		1.000	LS		1.000	LS		3.000

Sl No.	Activity	Year wise projections											
		1st year			2nd year			3rd year			Total		
		Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin	Phy	Unit Rate	Fin
1		3	4	5	6	7	8	9	10	11	12	13	
c	Erection of display boards at important places giving message of Conservation and penal provisions of Wildlife (Protection) Act 1972	LS		2.000	LS		2.000				LS	4.000	
d	Awareness activities involving Vana Samrakshna Samithis Tirumalayapalli, Ragi kunta, Kammavaripalli and M.Kambaladinne. 4 VSSs @ 60,000/-	4	0.100	0.400	4	0.100	0.400	4	0.100	0.400	4	1.200	
10	<b>Administrative Cost</b>												
a	Engaging of Data Entry Operators @ Rs. 22000 per Month	1	0.220 per month	2.640	1	0.220 per month	2.640	1	0.220 per month	2.640		7.920	
b	Procurement and Maintenance of Computer Peripherals	LS		1.000			1.000			1.000		3.000	
c	Monitoring and Evaluation						0.250			0.250		0.500	
d	Unforeseen & Miscellaneous expenditure (Electricity Bills, Stationery Bills etc.)			1.500			1.330			1.300		4.130	
	<b>TOTAL</b>			<b>88.410</b>			<b>43.810</b>			<b>32.780</b>		<b>165.000</b>	

//t.c.b.o//

Superintendent

21/10/22

Sd/- M. Nagarajuna Reddy  
Divisional Forest Officer  
Proddatur WL Division

Conservator of Forests,  
Kurnool Circle, AP-100001

Pri. Chief Conservator of Forests (WL)  
& Chief Wildlife Warden, A.P.





Annexure-2 (2023-24).

The CSR Expenditure details of M/s Dalmia Cement (Bharat) Limited  
Chinnakomerla, Kadapa- Dist., AP.

(April-2023 to September-2023).

Year	Activity Head	Expenses (Rs)	Remarks
2023-24 (April-23 to Sep-23)	<b>I. SKILL &amp; LIVELIHOOD</b>		
	1. DIKSHa Project	705283	
	2. Gram Parivarthan Project	180325	
	<b>II. SOCIAL DEVELOPMENT</b>		
	1. WoW Bus Project	197787	
	2. Painting of Village Cultural Centre at Nawabpeta	102978	
	3. Event and Day Celebrations	14610	
	4. Unit Contingency fund	15104	
	<b>Grand Total</b>	<b>1216087</b>	

DCBL/APSPCB / EMR /Return/23-24/53

Date: 03.11.2023.

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

Dear Sir,

Sub: submission of Environmental Monitoring reports – reg  
**EC No: J-11015/64/2008-1A-11(m).**

We are here with enclosed the Quarterly Return of Environmental Monitoring report in respect of our **Nawabpet– Talamanchipatnam Limestone Mines of M/s Dalmia Cement (Bharat) Limited** for the quarter ending on **30<sup>th</sup> September- 2023.**

This is for your information and records please

Thanking you  
Yours faithfully



**K. V. Suresh Reddy)**  
Mine Manager  
NP-TP Limestone Mine of  
M/s Dalmia cement (Bharat) Ltd  
Chinnakomerla.

Cc to:

- 1) The Member Secretary, APPCB- Vijayawada.
- 2) The Environmental Engineer, APPCB- Kadapa

**Dalmia Cement (Bharat) Limited**

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



ENVIRONMENTAL MONITORING REPORT  
OF  
M/S. DALMIA CEMENT (BHARAT) LIMITED  
(MINES)

CHINNAKOMERLA VILLAGE,  
MYLAVARAM MANDAL,  
JAMMALAMADUGU, KADAPA,  
ANDHRA PRADESH-516434.

FOR

SEPTEMBER - 2023

Prepared By



**COSMO CONSCIOUS RESEARCH LABORATORY**

(Environmental laboratory, Recognized by MoEF & CC,  
Accredited by NABL (ISO/IEC: 17025)  
vide certificate No : TC6152 and Certified by ISO (45001:2018)  
"Survey House", # 121, 2nd Cross,  
Nehru Colony, Ballari - 583103, (Karnataka)  
E-mail: chiefexecutive@taccrl.com  
Web: [www.taccrl.com](http://www.taccrl.com)



## COSMO CONSCIOUS RESEARCH LABORATORY

Environmental Laboratory. Recognized by MoEF & CC. Accredited by NABL (ISO/IEC 17025)  
vide Certificate No : TC6152 and Certified by ISO (45001:2018)

### CERTIFICATE

*This is to certify that the sampling, testing and analysis of environmental parameters (Air, Water, Noise & Soil) & of M/s Dalmia Cement (Bharat) limited (Mines), Chinnakomerla Village, Mylavaram Mandal, Jammalamadugu, Kadapa, Andhra Pradesh-516434 is carried-out for the month of September 2023 . The monitoring is done as per the requirement of our client and the methods adopted are as per the standards prescribed. The results obtained and reported are true and correct to the best of our knowledge.*

*For Cosmo Conscious Research Laboratory*

Date: 25.10.2023

  
(M. Shashikala)  
Chief Executive



"SURVEY HOUSE", #121, 2nd Cross, Nehru Colony, Ballari-583103 (Karnataka)  
Ph: 08392 255744, Website: [www.iscrl.com](http://www.iscrl.com) email: [chiefexecutive@iscrl.com](mailto:chiefexecutive@iscrl.com)



CCRI  
OHSAS 18001:2007



# AMBIENT AIR QUALITY MONITORING DATA

Report No. I A

Customer Name : M/s. Dalmia Cement (Bharat) Limited (Mines).  
 Customer Address : Chinnakomerla Village, Mylavaram Mandal,  
 Jammalamadugu, Kadapa, Andhra Pradesh -516434  
 Sample Name : Ambient Air  
 Sample Description : Ambient Air Quality Monitoring  
 Reference : Test Request form dated 01.08.2023  
 Sample Collected By : Cosmo Conscious Research Laboratory  
 Sample Location : Near Rest House (Core Zone)  
 Month of Monitoring : September 2023  
 Sample procedure : IS 5182  
 Relative Humidity : 62% Ambient Temperature : 29°C  
 Sampling date : 06.09.2023 to 07.09.2023  
 Test Started on : 08.09.2023 Test completed on : 08.09.2023  
 Unique Lab Report Number : TC6152230000006562F

### TEST RESULTS

Sl. No	Parameters	Method adopted (Sampling & Analysis)	Lab Sample Codes	Results	Unit	Limit as per NAAQS Specification
1.	Sulphur Dioxide(SO <sub>2</sub> )	IS 5182 (part 2) :2001 (RA:2017)	337	15	µg/m <sup>3</sup>	80
2.	Nitrogen Dioxide(NO <sub>2</sub> )	IS 5182 (part 6): 2006 (RA:2017)	337	18	µg/m <sup>3</sup>	80
3.	Particulate Matter(PM <sub>10</sub> )	IS 5182 (Part 23) : 2006 (RA : 2017)	C743	65	µg/m <sup>3</sup>	100
4.	Particulate Matter(PM <sub>2.5</sub> )	USEPA Vol -I & Part II	660	19	µg/m <sup>3</sup>	60

END OF REPORT

Note : The above results are related only to the samples collected & tested on the particular date and time.  
 Conclusion : The above tested sample confirms to the NAAQ Standard for the above tested parameters.

Name of the Equipment	Eq. ID. No.	Date of Calibration	Calibration Due on
High Volume Combined Particulate Sampler APM550M/Envirotech	154-DTC-2021	10.03.2023	09.03.2024

AUTHORISED SIGNATORY:

  
 (M. Shashikaia)  
 Head of the Laboratory





## AMBIENT AIR QUALITY MONITORING DATA

Report No. I B

Customer Name : M/s. Dalmia Cement (Bharat) Limited (Mines).  
 Customer Address : Chinnakomeria Village, Mylavaram Mandal,  
 Jammalamadugu, Kadapa, Andhra Pradesh -516434  
 Sample Name : Ambient Air  
 Sample Description : Ambient Air Quality Monitoring  
 Reference : Test Request form dated 08.08.2023  
 Sample Collected By : Cosmo Conscious Research Laboratory  
 Sample Location : On Top of Quarry West Side Boundary  
 Month of Monitoring : September 2023  
 Sample procedure : IS 5182  
 Relative Humidity : 62% Ambient Temperature : 30°C  
 Sampling date : 06.09.2023 to 07.09.2023  
 Test Started on : 08.09.2023 Test completed on : 08.09.2023  
 Unique Lab Report Number : TC6152230000006563F

### TEST RESULTS

Sl. No	Parameters	Method adopted (Sampling & Analysis)	Lab Sample Codes	Results	Unit	Limit as per NAAQS Specification
1.	Sulphur Dioxide(SO <sub>2</sub> )	IS 5182 (part 2) :2001 (RA:2017)	376	17	µg/m <sup>3</sup>	80
2.	Nitrogen Dioxide(NO <sub>2</sub> )	IS 5182 (part 6): 2006 (RA:2017)	376	20	µg/m <sup>3</sup>	80
3.	Particulate Matter(PM <sub>10</sub> )	IS 5182 (Part 23) : 2006 (RA : 2017)	C756	57	µg/m <sup>3</sup>	100
4.	Particulate Matter(PM <sub>2.5</sub> )	USEPA Vol -I & Part II	573	17	µg/m <sup>3</sup>	60

### END OF REPORT

Note : The above results are related only to the samples collected & tested on the particular date and time.  
 Conclusion : The above tested sample confirms to the NAAQ Standard for the above tested parameters.

Name of the Equipment	Eq. ID. No.	Date of Calibration	Calibration Due on
High Volume Combined Particulate Sampler APM550M/Envirotech	157-DTC-2021	10.03.2023	09.03.2024

AUTHORISED SIGNATORY:

  
 (M. Shashikala)  
 Head of the Laboratory

**AMBIENT AIR QUALITY MONITORING DATA**

Report No. I C

Customer Name : M/s. Dalmia Cement (Bharat) Limited (Mines).  
 Customer Address : Chinnakomerla Village, Mylavaram Mandal,  
 Jammalamadugu, Kadapa, Andhra Pradesh -516434  
 Sample Name : Ambient Air  
 Sample Description : Ambient Air Quality Monitoring  
 Reference : Test Request form dated 08.08.2023  
 Sample Collected By : Cosmo Conscious Research Laboratory  
 Sample Location : Watch Tower North Boundary  
 Month of Monitoring : September 2023  
 Sample procedure : IS 5182  
 Relative Humidity : 62% Ambient Temperature : 30°C  
 Sampling date : 06.09.2023 to 07.09.2023  
 Test Started on : 08.09.2023 Test completed on : 08.09.2023  
 Unique Lab Report Number : TC6152230000006564F

**TEST RESULTS**

Sl. No	Parameters	Method adopted (Sampling & Analysis)	Lab Sample Codes	Results	Unit	Limit as per NAAQS Specification
1.	Sulphur Dioxide(SO <sub>2</sub> )	IS 5182 (part 2) :2001 (RA:2017)	338	21	µg/m <sup>3</sup>	80
2.	Nitrogen Dioxide(NO <sub>2</sub> )	IS 5182 (part 6): 2006 (RA:2017)	338	18	µg/m <sup>3</sup>	80
3.	Particulate Matter(PM <sub>10</sub> )	IS 5182 (Part 23) : 2006 (RA : 2017)	C742	50	µg/m <sup>3</sup>	100
4.	Particulate Matter(PM <sub>2.5</sub> )	USEPA Vol -I & Part II	659	17	µg/m <sup>3</sup>	60

**END OF REPORT****Note :** The above results are related only to the samples collected & tested on the particular date and time.**Conclusion :** The above tested sample confirms to the NAAQ Standard for the above tested parameters.

Name of the Equipment	Eq. ID. No.	Date of Calibration	Calibration Due on
High Volume Combined Particulate Sampler APM 550M-Envirotech	174-B-122	09.03.2023	08.03.2024

**AUTHORISED SIGNATORY:**
  
 (M. Shashikala)  
 Head of the Laboratory



# AMBIENT AIR QUALITY MONITORING DATA

Report No. I D

Customer Name : M/s. Dalmia Cement (Bharat) Limited (Mines).  
 Customer Address : Chinnakomerla Village, Mylavaram Mandal,  
 Jammalamadugu, Kadapa, Andhra Pradesh -516434  
 Sample Name : Ambient Air  
 Sample Description : Ambient Air Quality Monitoring  
 Reference : Test Request form dated 01.08.2023  
 Sample Collected By : Cosmo Conscious Research Laboratory  
 Sample Location : A.Kambala Dinne Village (Buffer Zone)  
 Month of Monitoring : September 2023  
 Sample procedure : IS 5182  
 Relative Humidity : 63% Ambient Temperature : 30°C  
 Sampling date : 06.09.2023 to 07.09.2023  
 Test Started on : 08.09.2023 Test completed on : 08.09.2023  
 Unique Lab Report Number : TC6152230000006565F

### TEST RESULTS

Sl. No	Parameters	Method adopted (Sampling & Analysis)	Lab Sample Codes	Results	Unit	Limit as per NAAQS Specification
1.	Sulphur Dioxide(SO <sub>2</sub> )	IS 5182 (part 2) :2001 (RA:2017)	339	20	µg/m <sup>3</sup>	80
2.	Nitrogen Dioxide(NO <sub>2</sub> )	IS 5182 (part 6): 2006 (RA:2017)	339	18	µg/m <sup>3</sup>	80
3.	Particulate Matter(PM <sub>10</sub> )	IS 5182 (Part 23) : 2006 (RA : 2017)	C740	60	µg/m <sup>3</sup>	100
4.	Particulate Matter(PM <sub>2.5</sub> )	USEPA Vol -I & Part II	468	25	µg/m <sup>3</sup>	60

### END OF REPORT

Note : The above results are related only to the samples collected & tested on the particular date and time.  
 Conclusion : The above tested sample confirms to the NAAQ Standard for the above tested parameters.

Name of the Equipment	Eq. ID. No.	Date of Calibration	Calibration Due on
High Volume Combined Particulate Sampler/APM 550M-Envirotech	173-B-22	09.03.2023	08.03.2024

AUTHORISED SIGNATORY:

  
 (M. Shashikala)  
 Head of the Laboratory



# AMBIENT AIR QUALITY MONITORING DATA

Report No. I E

Customer Name : M/s. Dalmia Cement (Bharat) Limited (Mines).  
 Customer Address : Chinnakomerla Village, Mylavaram Mandal,  
 Jammalamadugu, Kadapa, Andhra Pradesh -516434  
 Sample Name : Ambient Air  
 Sample Description : Ambient Air Quality Monitoring  
 Reference : Test Request form dated 01.08.2023  
 Sample Collected By : Cosmo Conscious Research Laboratory  
 Sample Location : Talamanchipatnam Village (Buffer Zone)  
 Month of Monitoring : September 2023  
 Sample procedure : IS 5182  
 Relative Humidity : 62% Ambient Temperature : 30°C  
 Sampling date : 06.09.2023 to 07.09.2023  
 Test Started on : 08.09.2023 Test completed on : 08.09.2023  
 Unique Lab Report Number : TC6152230000006566F

### TEST RESULTS

Sl. No	Parameters	Method adopted (Sampling & Analysis)	Lab Sample Codes	Results	Unit	Limit as per NAAQS Specification
1.	Sulphur Dioxide(SO <sub>2</sub> )	IS 5182 (part 2) :2001 (RA:2017)	336	17	µg/m <sup>3</sup>	80
2.	Nitrogen Dioxide(NO <sub>2</sub> )	IS 5182 (part 6): 2006 (RA:2017)	336	19	µg/m <sup>3</sup>	80
3.	Particulate Matter(PM <sub>10</sub> )	IS 5182 (Part 23) : 2006 (RA : 2017)	C744	57	µg/m <sup>3</sup>	100
4.	Particulate Matter(PM <sub>2.5</sub> )	USEPA Vol -I & Part II	661	22	µg/m <sup>3</sup>	60

### END OF REPORT

Note : The above results are related only to the samples collected & tested on the particular date and time.  
 Conclusion : The above tested sample confirms to the NAAQ Standard for the above tested parameters.

Name of the Equipment	Eq. ID. No.	Date of Calibration	Callbration Due on
High Volume Combined Particulate Sampler/APM 550M-Envirotech	158-BTC-2021	10.03.2023	09.03.2024

AUTHORISED SIGNATORY:

  
 (M. Shashikala)  
 Head of the Laboratory



## AMBIENT AIR QUALITY MONITORING DATA

Report No. I F

Customer Name : M/s. Dalmia Cement (Bharat) Limited (Mines).  
Customer Address : Chinnakomerla Village, Mylavaram Mandal,  
Jammalamadugu, Kadapa, Andhra Pradesh -516434  
Sample Name : Ambient Air  
Sample Description : Ambient Air Quality Monitoring  
Reference : Test Request form dated 01.08.2023  
Sample Collected By : Cosmo Conscious Research Laboratory  
Sample Location : Nawab Peta Village (Buffer Zone)  
Month of Monitoring : September 2023  
Sample procedure : IS 5182  
Relative Humidity : 61% Ambient Temperature : 30°C  
Sampling date : 06.09.2023 to 07.09.2023  
Test Started on : 08.09.2023 Test completed on : 08.09.2023  
Unique Lab Report Number : TC615230000006567F

### TEST RESULTS

Sl. No	Parameters	Method adopted (Sampling & Analysis)	Lab Sample Codes	Results	Unit	Limit as per NAAQS Specification
1.	Sulphur Dioxide(SO <sub>2</sub> )	IS 5182 (part 2) :2001 (RA:2017)	344A	15	µg/m <sup>3</sup>	80
2.	Nitrogen Dioxide(NO <sub>2</sub> )	IS 5182 (part 6): 2006 (RA:2017)	344A	18	µg/m <sup>3</sup>	80
3.	Particulate Matter(PM <sub>10</sub> )	IS 5182 (Part 23) : 2006 (RA : 2017)	C741	58	µg/m <sup>3</sup>	100
4.	Particulate Matter(PM <sub>2.5</sub> )	USEPA Vol -I & Part II	658	20	µg/m <sup>3</sup>	60

### END OF REPORT

Note : The above results are related only to the samples collected & tested on the particular date and time.

Conclusion : The above tested sample confirms to the NAAQ Standard for the above tested parameters.

Name of the Equipment	Eq. ID. No.	Date of Calibration	Calibration Due on
High Volume Combined Particulate Sampler /APM 550M-Envirotech	170-B-22	09.03.2023	08.03.2024

AUTHORISED SIGNATORY:

  
(M. Shashikala)  
Head of the Laboratory