

DCBL//MoEF/EC-HYC/2022-23/ 128

Date: 24.11.2022

To,

The Regional Director  
Ministry of Environment, Forest & Climate Change  
Regional Office (South Zone),  
Kendriya Sadan, 4<sup>th</sup> Floor,  
E & F wing, 17<sup>th</sup> Main Road,  
II Block, Koramangala,  
Bengaluru – 560034.

**Sub:** Submission of DCBL Six Monthly Compliance Report of Cement Plant– Reg.

**Ref:** F.No.J-11011/119/2007 - IA II (I) Dated. 24<sup>th</sup> June 2008 and 11<sup>th</sup> August 2014.

Dear Sir,

With Reference to the subject cited, vide reference mentioned above, we herewith submitting Six Monthly Environment Clearance compliance reports of M/s. Dalmia Cement (Bharat) Limited (Cement Plant), Yadwad Village, Mudalagi Taluk, Belgaum District, Karnataka, for the period of Apr 2022 to Sep 2022.

Kindly request to acknowledge the same.

Yours faithfully

For M/s. Dalmia Cement (Bharat) Limited.



Authorized Signatory

- Cc:** 1. The Environmental Officer, Karnataka State Pollution Control Board, Plot No.3224/3, Hanuman Nivas, First Floor, B.K. Collage Road, Chikkodi-591201.  
2. The Member Secretary, Karnataka State Pollution Control Board, Parisara Bhavana, 1<sup>st</sup> to 5<sup>th</sup> Floor, #49, Chrch street, Bengaluru-560001.  
3. Regional Officer, Central Pollution Control Board, Nisarga Bhavan, Thimmaiah Road, 7th D Main Rd, Shivanagar, Bengaluru, Karnataka - 560079.

**Dalmia Cement (Bharat) Limited**

RS No. 394, Yadwad (Village), Mudalagi (Taluk), Belagavi (District), Karnataka - 591136, India.

T 9606014495 / 96 / 97 / 98 W www.dalmiacement.com CIN : U65191TN1996PLC035963

Registered Office : Dalmiapuram, Dist. Tiruchirapalli - 621 651, Tamil Nadu, India.

A Dalmia Bharat Group company, www.dalmiabharat.com

# **Half Yearly Compliance Report**

On

**Environmental Clearance**

April, 2021 to September, 2022



**Dalmia Cement (Bharat) Limited**

**(An ISO 14001, 18001, 9001 and 50001 Certified Company)**

Yadwad village,  
Gokak Taluk,  
Belagavi District,  
Karnataka, - 591136

**Production Capacity:**

Cement : 4.0 MTPA,  
Clinker : 2.6 MTPA and  
Captive Power Plant : 40 MW

### PROJECT PROFILE

1	Project type	Industry (I) - Cement and Captive Power Plant
2	Name of the project	Cement Plant (4.0 MTPA), Clinker (2.60 MTPA), and Captive Power Plant (40MW) at Yadwad, Gokak, Belgaum, Karnataka by Dalmia Cement (Bharat) Ltd.
3	Clearance letter No.& date	MoEF&CC. EC: F. No. J-11011/119/2007-IA II(I), Dated: 24 <sup>th</sup> June 2008.
4	Location: District & State / UT	RS No. 394, Yadwad Village, Mudalagi Taluk, Belagavi District, KARNATAKA -591136
5	Address for correspondence:	M/s Dalmia Cement (Bharat) Limited, RS No. 394, Yadwad Village, Mudalagi Taluk, Belagavi District, KARNATAKA -591136 Phone: +918334 4292271 Fax No: +91 40 - 30006955 Web: www.dalmiacement.com
6	Financial Details:	
a	Project cost as originally planned and subsequent revised estimates and the years of price reference	1500.00 Crores
b	Allocations made for environmental management plans, with item breakup	<p><b>Approximate Cost (INR):</b></p> <ol style="list-style-type: none"> <li>1. Online Continuous Ambient Air Quality Monitoring Machine: 35,25,815</li> <li>2. Online Continuous Emission Monitoring System: 26,38,498</li> <li>3. Installation of Air pollution control equipment like Bag filters, Bag House and ESP: 3,24,62,546</li> <li>4. Installation of closed conveyor system: 5,18,51,062</li> <li>5. Construction of closed sheds for Raw material storage: 37,49,90,000</li> <li>6. Construction of Internal Roads: 7,00,00,000</li> <li>7. Green belt development: 1,20,00,000</li> <li>8. Environmental Monitoring: 44,00,000</li> <li>9. Construction of Rain Water Harvesting Lake: 65,40,000</li> <li>10. Construction of Rain Water Harvesting Pond: 26,32,000</li> </ol> <p>Total Cost: 561,039,921</p>

c	Total expenditure on the Project so far	1600.00 Crores
d	Planned and Actual expenditure incurred on the environmental management plans so far	<ul style="list-style-type: none"> <li>❖ Planned expenditure on Environmental management system:31.05 Cr</li> <li>❖ Actual expenditure on Environmental management system:56.10 Cr</li> </ul>
7.	Status of construction:	Completed
a.	Date of commencement	1 <sup>st</sup> October 2012
b.	Date of completion (actual and/or planned)	25 <sup>th</sup> March 2015 – Cement Production
a.	Date of site visit of Director-MOEF&CC/CPCB Officials	CPCB official visit : 12 <sup>th</sup> and 13 <sup>th</sup> February 2019



S.No	Conditions	Compliance Status
<b>A.</b>	<b>Specific Conditions</b>	
i.	<p>Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided and limit of particulate matters shall be controlled within 50 mg/Nm<sup>3</sup> by installing adequate air pollution control system. Electrostatic precipitator (ESP) to clinker cooler and captive power plant, bag house to raw mill / kiln and cement mill shall be provided to control air emissions within 50 mg/Nm<sup>3</sup> and reports submitted to the Ministry's Regional Office at Bangalore, Central Pollution Control Board (CPCB) and Karnataka Pollution Control Board (KPCB).</p>	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>Online Continuous Emission monitoring systems (OCEMS) for gaseous emissions from all the stacks at Cement plant &amp; CPP are provided and connected to CPCB server.</li> <li>The Copy of CEMS report is attached as <b>Annexure 1</b></li> <li>High Efficiency of Electrostatic Precipitators has been installed for clinker cooler and Captive Power Plant, Bag house has been provided in raw mill/ Kiln, coal mill and cement mill to maintain the emission well with in stipulated limit.</li> <li>Copy of statistical analysis of third party monitoring reports is attached as <b>Annexure 2</b>.</li> </ul>
ii.	<p>Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.</p> <p>Bag filters with ventilation system shall be provided to coal mill, all the raw material handling areas, clinker, cement &amp; fly ash silos, clinker hoppers etc. to control fugitive emissions from the material handling areas.</p> <p>Closed clinker stockpile system shall be adopted and bag filters shall be provided to clinker hoppers.</p> <p>Water sprinkling arrangements shall be made in the material stockyards and cement bags loading areas.</p> <p>To eliminate fugitive emissions, transportation of the ash to the cement plant shall be in closed containers and pneumatic transfer of the ash into ash silos in cement plant.</p>	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>Bag filters had been installed in all emission sources.</li> <li>Bag house for Coal Mill, Raw mill and ESP for clinker cooler is already installed.</li> <li>Closed clinker stockpile system implemented with bag filter.</li> <li>Water sprinkling arrangements made as per the conditions laid. Presently fugitive emissions controlled by dust suppression system through water tankers.</li> <li>In addition to this, to eliminate fugitive emissions, transportation of the ash to the cement plant done in encapsulated fly ash Bulker only and the ash transfer to ash silos are being carried out pneumatically.</li> <li>All conveyors are covered.</li> <li>The fugitive emissions are within the CPCB standards.</li> <li>Third party monitoring report of Fugitive emissions is enclosed as <b>Annexure 3</b></li> </ul>
iii.	<p>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment</p>	<p>Being Complied.</p>

	<p>including agricultural land.</p> <p>Wagon and truck tippers for unloading and transportation shall be covered with tarpaulin. Internal roads shall be asphalted and sprinkled with water regularly.</p>	<p>Following efforts have been made to reduce the impact of transportation on surrounding environment including agricultural land:</p> <ul style="list-style-type: none"> <li>• The transportation of the raw materials and products are done through covered vehicles and overloading of materials are not allowed.</li> <li>• All the trucks are parked at concreted parking area.</li> <li>• Fully covered conveyor system implemented for transportation of crushed limestone, coal and gypsum within the cement plant.</li> <li>• Closed Raw material, Additive and coal storage yard provided to prevent airborne fugitive dust emission in the surrounding environment.</li> <li>• Covered tarpaulin system implemented at truck tippers for unloading.</li> <li>• Internal roads are made of RCC.</li> <li>• Water tankers are deployed for sprinkling of water at regular intervals on the internal roads, parking area and unloading areas.</li> <li>• Rod sweeping machines are deployed for regular sweeping of road, parking area and unloading area.</li> <li>• Thick plantation has been done along the road.</li> </ul>
iv.	<p>As proposed, total water requirement from Ghataprabha River shall not exceed 3,100 m<sup>3</sup>/day. No water shall be drawn from Dodahalla nallah. Captive Power Plant shall be provided with air-cooled condensers to reduce the water intake. The process effluent from captive power plant (CPP) shall be treated in effluent treatment plant (ETP) and treated waste water shall be recycled and reused in the cement manufacturing process and/or for dust suppression, green belt development and other plant related activities etc. No process waste water shall be discharged outside the factory premises and 'zero' discharge shall be adopted.</p>	<p>As mentioned in EC that total water requirement is 3100 m<sup>3</sup>/day.</p> <p>Due to design constraint of equipment and low production of plant, existing water usage is 1490 m<sup>3</sup>/day and remaining water requirement will be Considered in expansion of Plant.</p> <p>As Work of jack, well construction and pipeline implementation could not be completed.</p> <p>Meanwhile, to meet out plant's water requirement, DCBL developed 2 No.'s rainwater harvesting pits. Rain water was not sufficient to meet out the water demand, therefore to secure our demand of water, we also obtained permission from Karnataka Ground Water Authority for withdrawal of ground water vide</p>

		<p>letter no. DE0011198953705 dated 11.01.2022. DCBL informed MoEF&amp;CC regarding the same <b>vide letter dated 04.01.2013.</b></p> <ul style="list-style-type: none"> <li>• Captive Power Plant has been provided with air-cooled condensers to reduce the water consumption.</li> <li>• The process effluent from captive power plant (CPP) is being treated in ETP and treated wastewater is recycled back to the system.</li> <li>• No process waste water is discharged outside the factory premises and Zero discharge is adopted.</li> </ul>
v.	<p>'Permission' for the drawl of 3,100 m<sup>3</sup>/day from River Ghataprabha shall be obtained from concerned Department. Captive Power Plant shall be provided with air-cooled condensers to reduce the water intake.</p>	<p>DCBL Belagavi has obtained Permission for withdrawal of 3148 KLD water from Ghattprabha River (as mentioned in granted EC) from Water Resource Department, Government of Karnataka for existing plant. Work of jack well construction and pipeline implementation could not be completed. Meanwhile, to meet out plant's water requirement, DCBL developed 2 rain water harvesting pits. Rain water was not sufficient to meet out the water demand, therefore to secure our demand of water, we also obtained permission from Karnataka Ground Water Authority for withdrawal of ground water. DCBL informed MoEF&amp;CC regarding the same and requested to consider ground water as an additional source of water <b>vide letter dated 04.01.2013.</b></p> <p>But now company is proposing expansion in Existing Cement Plant for which additional water will be required. It is proposed to use water from Ghattprabha River in addition to ground water and rain water harvesting. Accordingly, renewal of permission for withdrawal of 3148 KLD water from Ghataprabha river has been obtained <b>vide order no. WRD/18/NIN/2022, Valid till 05.02.2024.</b></p> <p>Permission obtained from Karnataka Ground Water Authority for withdrawal of ground water vide letter no. DE0011198953705 dated 11.01.2022.</p> <p>The Captive power plant is provided with air-cooled condensers to minimize the water intake.</p>
vi	<p>All the fly ash shall be utilized as per Fly ash Notification, 1999 subsequently as amended in 2003.</p>	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>• All the Fly ash generated from our CPP has been utilized in cement manufacturing</li> </ul>




		process.
vii	Efforts shall be made to use fly ash generated from the power plant maximum in making Pozzolana Portland Cement (PPC). Bed ash shall be collected in ash cooler hoppers and then conveyed to a bed ash storage silo for further use as boiler bed material.	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>Fly ash from CPP is being utilized in the cement manufacturing process. Bed ash is being collected in ash cooler and then conveyed to bed ash storage silo for further use as boiler bed material.</li> </ul>
viii	All the dust collected from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Refractory bricks having high recycling values shall be sold to outside agencies or disposed off in environment-friendly manner. Domestic solid waste i.e. sludge shall be composted and used as organic manure for the green belt development within the plant and colony area. Used oil and scrapped auto mobile batteries shall be sold to authorized recyclers/ re-processors only.	<p>Being Complied .</p> <ul style="list-style-type: none"> <li>All the Dust collected from pollution control equipment's are being reused in the process and for cement manufacturing.</li> <li>Refractory bricks shall be sold out to outside agencies and in the event of disposal all environment protection measures shall be taken to avoid any pollution.</li> <li>Domestic solid waste is used organic manure for green belt development.</li> <li>Used oil are being stored separately in covered leak proof containers on concrete floor and are being co-processed in kiln.</li> <li>Used batteries are being sold to authorized recyclers / re-processors or buyback through registered vendor only.</li> </ul>
ix	An effort shall be made to use of high calorific hazardous waste viz. municipal solid waste, solvents, spent oil, agro waste, sludge from DG sets and used tyres etc. in the cement kiln and necessary provision shall be made accordingly.	<ul style="list-style-type: none"> <li>The high calorific value hazardous wastes are being used in kiln as fuel based on availability and feasibility.</li> <li>We have authorization from KSPCB for co-processing of hazardous and other waste.</li> <li>Efforts are being made to explore the possibility of increasing the usage of Hazardous Waste.</li> </ul>
x.	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>Fly ash is being used in the manufacturing process of cement. Efforts are being made as a continuous process to utilize low grade limestone to the optimum level.</li> </ul>
xi.	As proposed in EIA/EMP, out of total 120 ha., green belt shall be developed in 40 ha (33 %) in and around the plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>Since commencement of project work, massive plantation program is undertaken.</li> <li>Nurturing and watering of the plantation made is being carried out on continuous basis to sustain the survival rate of the green belt.</li> </ul>



	Photographs are attached as <b>Annexure-4</b>
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xii.	Prior environmental clearance from the Ministry of Environment & Forests for the Captive (Yadwad) limestone mine shall be obtained.	Being Complied. <ul style="list-style-type: none"> <li>Obtained EC from Ministry of Environment &amp; Forest F.No.J-11015/36/2009- IA.II (M), Dated 13 march 2015.</li> </ul>
xii.	All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.	Being Complied. <ul style="list-style-type: none"> <li>All recommendations made by CREP for Cement Plants are implemented.</li> </ul>
<b>B</b>	<b>GENERAL CONDITIONS</b>	
i.	The project authority shall adhere to the stipulations made by Karnataka Pollution Control Board (KPCB) and State Government.	Being Complied. <ul style="list-style-type: none"> <li>All the conditions made or laid down by KSPCB in CFO and subsequent directions as well as conditions laid by State Government shall be adhered.</li> </ul>
ii.	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry	Being Complied. <ul style="list-style-type: none"> <li>No modification carried out since commissioning. Any modification or expansion shall be carried out with prior approval from the Ministry.</li> </ul>
iii.	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Karnataka Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed KPCB limit. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically	Being Complied. <ul style="list-style-type: none"> <li>Interlocking facility had been provided to pollution Control Equipment's. So that in the event of the pollution control equipment not working properly the respective unit(s) will shut down automatically.</li> <li>Report on stack emissions confirming to KSPCB standards is attached as <b>Annexure1 &amp; 2</b></li> </ul>
iv.	One ambient air quality monitoring station shall be installed in downwind direction. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with KSPCB and report submitted to the KPCB quarterly and to the Ministry's Regional Office at	Being Complied. <ul style="list-style-type: none"> <li>One online Ambient Air Quality monitoring station installed in the downwind direction. Copy of Online AAQM data (day Average) is attached as <b>Annexure 5</b></li> <li>Online Continuous Stack Emission Monitoring System (OCEMS) is also installed in all the stacks including CPP stack. The data has been</li> </ul>

	Bangalore half-yearly	<p>uploaded in CPCB server continuously.</p> <ul style="list-style-type: none"> <li>All the Emission levels were maintained within standards stipulated by the board.</li> <li>A Third party agency approved by MoEF &amp;CC, M/s Cosmo Conscious Research Laboratory is also engaged for manual monitoring of Air, Water, soil and Noise and monitoring is being carried out continuously.</li> <li>Copy of statistical analysis of third party monitoring report on Ambient Air Quality, Stack emissions and Online Ambient Air Quality data is enclosed as <b>Annexure 6</b></li> <li>Half yearly report are being submitted to Ministry's Regional Office at Bangalore .</li> </ul>
v.	The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas shall be carried out to control fugitive emissions. Covered sheds for storage of raw materials and fully covered conveyors for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>Adequate dust collection and extraction systems implemented at various transfer points, raw mill handling (unloading, conveying, transporting, stacking) etc.</li> <li>Bag filters had been installed at all emission sources.</li> <li>Above 9 km Internal RCC roads developed to control fugitive emissions.</li> <li>covered sheds for storage of raw materials and coal.</li> <li>Fully covered conveyor system implemented for transportation of crushed limestone, coal and gypsum within the cement plant.</li> <li>RCC Silos for clinker storage Cement and fly ash.</li> </ul>
vi	The company shall harvest the rainwater from the rooftops 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>Being Complied.</p> <ul style="list-style-type: none"> <li>Nearly 1, 89,000 KL capacity rain water harvesting pond developed with catch drains to collect all the surface runoff during monsoon is developed to conserve water.</li> <li>The location map of Rain Water Harvesting pond is enclosed as <b>Annexure 7</b></li> </ul>
vii	The company shall undertake Eco-development measures including community welfare measures in the project area	<p>Being Complied .</p> <ul style="list-style-type: none"> <li>Maximum efforts are being undertaken Eco development measures.</li> <li>Some of the following measures are being implemented as a continuous development at surrounding villages <ul style="list-style-type: none"> <li>Livelihood and Skill building Programs</li> <li>Health care camps</li> <li>Water Infrastructure facilities</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>o Education</li> <li>o ODF village</li> <li>o Community hall development etc.</li> <li>• Report on Eco development and community development measures is attached as <b>Annexure 8</b></li> </ul>
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viii	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time)	<ul style="list-style-type: none"> <li>• Overall noise levels in and around the plant area are being maintained within the standards prescribed by Board.</li> <li>• Noise monitoring is being carried out by Third party agency on regular basis and the reports confirming to the standards.</li> <li>• The report on Noise monitoring is attached as <b>Annexure 9</b></li> </ul>
ix.	Proper housekeeping and adequate occupational health programmes shall be taken up.	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>• Continuous Sweeping Machine has been deployed to maintain proper housekeeping with in plant premises.</li> <li>• Pre-employment medical check-up has been undertaken for all employees. First aid facility is provided at OHC centre inside the factory premises with 24 hrs ambulance availability.</li> <li>• Health awareness programme and special first aid training are being provided on continuous basis. Enclosed as <b>Annexure 10</b></li> </ul>
x.	A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>• A dedicated Environment Management Cell institutionalized with Environment officer under the control of Senior Executive to carry out various management and monitoring functions.</li> </ul>
xi.	As proposed in EIA/EMP, Rs. 31.05 Corers and Rs. 4.28 Corers earmarked towards capital cost and recurring cost/annum respectively for the environmental pollution control measures shall be suitable used 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.	<ul style="list-style-type: none"> <li>• The funds so provided are exclusively for the implementation of the Environment Management Plan.</li> <li>• Recurring cost incurred to control the pollution control equipment for the FY 2021-22 is 4.59 crores Enclosed as <b>Annexure-11</b></li> </ul>

*Ansax*



		<ul style="list-style-type: none"> <li>we have incurred an expenditure of about 56.10 Cr. for Bag house in cement mill, Raw Mill, Coal Mill and ESP of clinker cooler and implementation of EMP as well as for green belt development.</li> </ul>
xii	The Regional Office of this Ministry at Bangalore / CPCB / KPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>The monitoring activities are being carried out regularly. Six months compliance report and the monitored data along with statistical interpretation submitted to RO Bangalore, CPCB/KPCB regularly.</li> </ul>
xiii	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>Date of Financial Closure: 31<sup>st</sup> March 2016.</li> <li>Date of commencement of land development work: 1<sup>st</sup> October 2012.</li> </ul>
xiv	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Karnataka Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional office at Bangalore.	<p>Being Complied.</p> <ul style="list-style-type: none"> <li>It was advertised in Deccan Herald in English and Prajavani in Kannada and copies of same sent with previous compliance Report. A copy of the same forwarded to the Ministry's Regional Office at Bangalore.</li> </ul>



## Online Pollution Monitoring Portal

Site Name: M/s.DALMIA CEMENT (BHARAT) LTD.,

From Date: 2022/04/01 To Date: 2022/30/09

Report Name: Custom Report

Report Created by DCML on 2022-11-15 11:26:07

Sl No.	Time	Stack7_Coal Mill-PM - (mg/Nm3) Raw	Stack20_Cooler-PM - (mg/Nm3) Raw	Stack11_Cement Mill-PM - (mg/Nm3) Raw	Stack24_KILN-PM - (mg/Nm3) Raw	Stack24_KILN-NOx - (mg/Nm3) Raw	Stack24_KILN-N-SO2 - (mg/Nm3) Raw	Stack_CPP_12 5TPH_Boiler-PM - (mg/Nm3) Raw	Stack_CPP_125 TPH_Boiler-SO2 - (mg/Nm3) Raw	Stack_CPP_12 5TPH_Boiler-NOx - (mg/Nm3) Raw
1	2022-04-01	0.49	1.31	0.08	0.21	NA	NA	15.15	NA	NA
2	2022-04-02	4.13	14.62	0.06	1.33	NA	NA	17.93	NA	NA
3	2022-04-03	3.2	10.24	0.06	1.42	NA	NA	18.9	NA	NA
4	2022-04-04	3.74	12.43	0.08	1.33	225.93	34.37	20.2	NA	NA
5	2022-04-05	4.59	7.33	0.05	1.53	250.99	79.93	19.65	NA	NA
6	2022-04-06	4.81	7.2	0.1	1.57	286.15	16.27	15.54	NA	NA
7	2022-04-07	4.83	2.46	0.08	1.65	173.93	1.47	19.21	NA	NA
8	2022-04-08	4.61	2.71	0.08	1.6	54.63	0.01	23.55	NA	NA
9	2022-04-09	5.81	2.41	0.08	1.74	144.21	1.42	17.57	NA	NA
10	2022-04-10	5.65	2.08	0.1	1.64	115.84	16.17	6.79	NA	NA
11	2022-04-11	6.02	2.94	0.05	1.87	79.07	5.31	7.74	NA	NA



*Qusba*

## Annexure-1

12	2022-04-12	5.74	1.79	0.05	1.96	229.16	0.5	8.26	NA	NA
13	2022-04-13	4.55	1.73	0.02	1.86	392.7	15.15	9.05	NA	NA
14	2022-04-14	5.91	1.97	0.04	1.79	193.98	14.25	11.27	NA	NA
15	2022-04-15	5.58	2.88	0.06	1.81	205.5	1.53	10.23	NA	0
16	2022-04-16	5.97	2.12	0.07	1.79	154.64	0.06	9.58	337.32	41.35
17	2022-04-17	5.93	1.42	0.05	1.66	429.75	1.29	11.95	160	11.86
18	2022-04-18	5.98	1.68	0.04	1.53	328.7	13.79	16.06	115.29	8.75
19	2022-04-19	5.97	2.26	0.01	1.47	309.64	8.65	25.51	128.14	7.72
20	2022-04-20	5.69	3.04	0.01	1.59	289.19	7.3	28.33	96.29	9.34
21	2022-04-21	5.96	1.5	0.01	1.63	279.07	17.96	24.3	84.48	4.19
22	2022-04-22	4.43	2.04	0	1.76	142.64	62.71	20.11	89.91	5.64
23	2022-04-23	6	1.46	0.01	4.01	196.12	18.89	10.86	35.54	4.3
24	2022-04-24	4.33	0.9	0.01	5.6	86.06	0	16.07	34.49	10.96
25	2022-04-25	4.84	1.59	0.54	5.22	222.61	27.73	2.41	1.53	7
26	2022-04-26	0.72	0.46	2.28	0.5	32.89	0.83	0	0	0
27	2022-04-27	0.49	0.16	1.85	1.02	48.79	163.43	0	0	0
28	2022-04-28	3.94	3.46	1.8	4.87	195.81	129.35	0	0	0



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## Annexure-1

29	2022-04-29	3.63	1.01	1.72	4.86	103.71	0	0	0	0
30	2022-04-30	4.76	1	1.09	3.3	165.95	10.04	0	0	0
31	2022-05-01	4.29	0.38	1.74	5.21	147.3	11.61	0	0	0
32	2022-05-02	4.23	0.36	1.65	7.44	152.32	5.97	24.91	0	0
33	2022-05-03	5.66	0.57	2.18	12.67	146.75	8.94	74.88	0	0
34	2022-05-04	5.46	0.82	1.38	8.14	151.91	3.48	30.82	0	0
35	2022-05-05	5.32	0.66	2	7.27	88.31	0.64	74.65	0	0
36	2022-05-06	3.53	0.39	2.13	6.79	96.85	0.36	9.5	0	0
37	2022-05-07	5.21	0.7	2.12	5.21	108.74	0.37	69.34	0	0
38	2022-05-08	0.49	0.36	1.64	5.35	92.82	0.07	0	0	0
39	2022-05-09	0.49	0.36	2.68	4.88	118.28	0.06	54.8	0	0
40	2022-05-10	16.82	0.37	1.71	4.47	169.25	0.4	67.37	0	0
41	2022-05-11	20.87	0.51	0.59	4.43	202.85	0.03	0	0	0
42	2022-05-12	28.33	0.51	0.57	3.88	227.03	1.33	38.2	0	0
43	2022-05-13	21.89	0.22	0.71	3.25	263.96	3.25	0	0	0
44	2022-05-14	14.16	0.22	2.14	2.57	260.01	2.5	69.78	0	0
45	2022-05-15	16.41	0.18	2.26	2.35	242.12	1.08	149.75	0	0



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## Annexure-1

46	2022-05-16	15.02	0.21	0.83	1.9	203.48	0.03	156.05	0	0
47	2022-05-17	5.04	0.37	0.69	0.73	106.16	12.7	11.19	0	0
48	2022-05-18	20.13	0.19	2.25	1.82	267.08	2.63	32.61	0	0
49	2022-05-19	14.2	0.38	3.15	1.44	257.53	2.59	57.36	0	0
50	2022-05-20	20	0.28	1.32	2.21	172.32	0	9.38	0	0
51	2022-05-21	21.17	0.31	2.24	2.41	172.91	0	43.95	0	0
52	2022-05-22	1.81	0.39	1.94	1.57	145.71	0	55.03	0	0
53	2022-05-23	0.49	0.67	1.5	0.25	112.17	0	136.56	0	0
54	2022-05-24	0.49	0.93	2.97	0.07	117.22	0.02	51.56	0	0
55	2022-05-25	0.49	0.91	1.52	0.05	94.07	0	80.67	0	0
56	2022-05-26	0.49	0.6	1.89	0.07	85.14	0	102.81	0	0
57	2022-05-27	0.49	0.43	0.92	0.09	79.39	0	33.72	0	0
58	2022-05-28	0.49	0.53	0.34	0.09	69.95	0	35.01	0	0
59	2022-05-29	0.49	0.44	0.37	0.1	54.26	0	32.17	0	0
60	2022-05-30	0.49	0.46	0.14	0.09	60.45	0	154.57	0	0
61	2022-05-31	0.49	0.3	0.05	0.09	43.26	0	0	0	0
62	2022-06-01	0.49	0.02	0	0.09	63.93	0	10.3	0	0



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## Annexure-1

63	2022-06-02	0.49	0.02	0	0.1	48.42	0	76.25	0	0
64	2022-06-03	0.49	0.02	0	0.02	99.07	0	93.39	0	0
65	2022-06-04	0.49	1.07	0	0.02	72.8	0	91.27	0	0
66	2022-06-05	4.17	0.26	0	0.63	47.49	0	90.3	0	0
67	2022-06-06	18.68	0.43	0	1.18	60.53	0	82.57	0	0
68	2022-06-07	25.71	0.3	0	0.38	59.75	0	71.13	0	0
69	2022-06-08	20.45	0.24	0	0.24	47.32	0	39.06	0	0
70	2022-06-09	21.2	2.79	0	0.24	113.63	1.8	99.09	0	0
71	2022-06-10	16.69	3.64	1.58	0.23	255.08	12.56	123.61	0	0
72	2022-06-11	16.5	1.94	3.07	0.21	235.6	13.95	74.38	0	0
73	2022-06-12	0.49	10.29	3.21	0.14	112.51	9.97	128.24	0	0
74	2022-06-13	1.47	0.68	1.72	0.02	31.21	81.47	124.55	0	0
75	2022-06-14	16.28	10.14	1.08	0.14	191.1	61.37	118.03	0	0
76	2022-06-15	18.87	5.51	2.54	0.13	174.49	3.24	104.13	0	0
77	2022-06-16	21.38	3.01	2.41	0.1	188.45	4.34	151.96	0	0
78	2022-06-17	20.74	3.14	2.61	0.06	150.05	6.88	NA	NA	NA
79	2022-06-18	24.63	4.33	2.44	0.05	137.9	4.94	NA	NA	NA



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## Annexure-1

80	2022-06-19	27.42	2.73	2.56	0.03	158.21	1.38	NA	NA	NA
81	2022-06-20	26.9	2.96	2.35	0.03	193.49	3.24	NA	NA	NA
82	2022-06-21	25.2	3.7	2.53	0.02	231.21	4.52	NA	NA	NA
83	2022-06-22	26.6	2.49	2.61	0.02	220.13	22.46	NA	NA	NA
84	2022-06-23	21.04	2.38	3.15	0.02	233.63	26.88	NA	NA	NA
85	2022-06-24	27.53	3.84	2.67	0.02	223.07	25.82	NA	NA	NA
86	2022-06-25	20.52	3.53	2.78	0.01	240.29	11.29	NA	NA	NA
87	2022-06-26	21.94	2.35	2.49	0.01	224.91	12.63	NA	NA	NA
88	2022-06-27	18.65	2.87	2.83	2.39	160.55	20.89	NA	NA	NA
89	2022-06-28	18.59	4.33	2.52	10.22	70.73	10.58	NA	NA	NA
90	2022-06-29	17.6	2.4	2.22	10.91	50.46	6.53	NA	NA	NA
91	2022-06-30	14.84	4.41	1.38	10.79	96.48	13.34	NA	NA	NA
92	2022-07-01	17.2	4.76	3.61	11.55	108.66	13.37	NA	NA	NA
93	2022-07-02	15.97	2.08	3.13	11.04	114.99	12.71	NA	NA	NA
94	2022-07-03	14.17	2.18	0.45	11.56	126.67	16.11	NA	NA	NA
95	2022-07-04	11.99	2.62	1.2	11.69	135.26	15.63	NA	NA	NA
96	2022-07-05	11.68	3.57	0.11	11.81	152.28	16.11	NA	NA	NA



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## Annexure-1

97	2022-07-06	16.55	2.67	0.87	10.87	162.39	14.39	NA	NA	NA
98	2022-07-07	14.9	3.3	0.52	11.18	162.79	14.51	NA	NA	NA
99	2022-07-08	10.65	2.82	0.34	10.52	156.65	13.46	NA	NA	NA
100	2022-07-09	12.72	2.63	0.48	9.5	157.56	11.93	NA	NA	NA
101	2022-07-10	4.09	1.78	0.17	3.94	146.44	10.81	NA	NA	NA
102	2022-07-11	4.48	5.77	0.21	5.77	170.89	13.34	NA	NA	NA
103	2022-07-12	15.53	3.71	0.06	11.07	226.43	5.34	NA	NA	NA
104	2022-07-13	17.98	2.69	0.02	10.85	236.82	2.09	NA	NA	NA
105	2022-07-14	15.31	3.18	0.21	11.22	236.87	0.65	NA	NA	NA
106	2022-07-15	12.94	3.31	0.3	10.51	345.73	21.01	NA	NA	NA
107	2022-07-16	13.26	4.51	0.23	8.33	261.08	12.83	NA	NA	NA
108	2022-07-17	15.1	2.49	0.21	7.29	272.26	4.5	NA	NA	NA
109	2022-07-18	12.72	2.91	0.23	5.24	269.97	5.62	NA	NA	NA
110	2022-07-19	9.66	2.65	0	5.6	326.49	3.56	NA	NA	NA
111	2022-07-20	7.35	1.6	0.08	3.78	215.4	2.23	NA	NA	NA
112	2022-07-21	7.59	9.99	0.77	20.46	231.37	2.7	NA	NA	NA
113	2022-07-22	6.32	1.44	2.08	16.47	277.19	13.15	NA	NA	NA



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## Annexure-1

114	2022-07-23	0.49	0.32	2.17	0.75	172.04	2.62	NA	NA	NA
115	2022-07-24	6.54	3.34	0.88	2.64	197.37	0	NA	NA	NA
116	2022-07-25	12.17	7.88	0.61	3.01	163.25	12.17	NA	NA	NA
117	2022-07-26	9.61	24.49	0.6	3.13	144.74	20.62	NA	NA	NA
118	2022-07-27	7.58	14.77	0.74	2.95	122.65	5.39	NA	NA	NA
119	2022-07-28	7.76	25.38	0.46	3.02	124.79	7.26	NA	NA	NA
120	2022-07-29	8.64	24.8	0.48	3.11	92.7	23.92	NA	NA	NA
121	2022-07-30	7.66	20.57	0.9	3.09	75	17.83	NA	NA	NA
122	2022-07-31	6.94	24.35	0.66	3.2	97.02	19.33	NA	NA	NA
123	2022-08-01	6.36	15.47	0.79	3.24	98.94	22.84	NA	NA	NA
124	2022-08-02	7.71	25.47	0.86	3.29	107.43	20.18	NA	NA	NA
125	2022-08-03	6.69	25.64	1.42	3.26	118.17	2.61	NA	NA	NA
126	2022-08-04	0.79	7.27	1.37	0.81	126.5	2.17	NA	NA	NA
127	2022-08-05	5.88	4.72	0.49	2.87	114.5	3.31	NA	NA	NA
128	2022-08-06	7.97	11.4	0.41	3.31	103.92	6.13	NA	NA	NA
129	2022-08-07	6.69	8.19	0.93	3.28	104.25	0.8	NA	NA	NA
130	2022-08-08	5.69	3.64	0.14	3.36	125.1	6.3	NA	NA	NA



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## Annexure-1

131	2022-08-09	5.64	4.93	0.2	3.37	156.97	13.61	NA	NA	NA
132	2022-08-10	7.45	6.1	0.73	3.44	150.75	11.41	NA	NA	NA
133	2022-08-11	5.81	10.91	0.64	3.41	136.78	8.56	NA	NA	NA
134	2022-08-12	6.39	4.79	0.29	3.84	125.68	6.32	NA	NA	NA
135	2022-08-13	5.92	4.43	0.39	3.87	116.23	5.78	NA	NA	NA
136	2022-08-14	4.98	2.97	0.14	3.87	106.05	4.48	NA	NA	NA
137	2022-08-15	6.77	3.89	0	3.87	119.44	5.2	NA	NA	NA
138	2022-08-16	9.18	2.88	0.7	4.15	127.03	7.84	NA	NA	NA
139	2022-08-17	23.53	3.51	1.59	4.1	87.11	2.34	NA	NA	NA
140	2022-08-18	8.97	2.82	0.71	4.43	62.84	0.37	NA	NA	NA
141	2022-08-19	6.29	2.63	0.91	4.36	76.32	1.17	NA	NA	NA
142	2022-08-20	2.65	2.45	0.78	2.62	87.95	10.21	NA	NA	NA
143	2022-08-21	0.49	0.99	0.82	0.28	150.54	24.95	NA	NA	NA
144	2022-08-22	5.63	4.31	1.33	4.36	197.06	15.83	NA	NA	NA
145	2022-08-23	5.2	8.57	0.95	5.21	178.15	7.39	NA	NA	NA
146	2022-08-24	4.71	7.32	1.34	5.15	169.59	17.76	NA	NA	NA
147	2022-08-25	5.8	10.79	0.48	5.27	165.66	13.83	NA	NA	NA



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## Annexure-1

148	2022-08-26	5.19	10.67	1.27	5.3	160.15	14.98	NA	NA	NA	NA
149	2022-08-27	5.98	9.31	1.18	5.45	143.18	9.89	NA	NA	NA	NA
150	2022-08-28	6.05	7.3	1.85	5.45	128.62	6.93	NA	NA	NA	NA
151	2022-08-29	5.21	3.81	0.93	5.49	125.5	4.93	NA	NA	NA	NA
152	2022-08-30	6.19	5.34	1.43	5.61	103.05	3.96	NA	NA	NA	NA
153	2022-08-31	5.91	3.3	0.33	5.91	74.95	1.8	NA	NA	NA	NA
154	2022-09-01	6.12	6.98	0.22	5.44	122.17	7.31	NA	NA	NA	NA
155	2022-09-02	5.58	8.82	1.24	5.93	93.14	12.33	NA	NA	NA	NA
156	2022-09-03	4.6	3.45	0.24	6.59	80.08	17.22	NA	NA	NA	NA
157	2022-09-04	6.31	3.58	0.58	6.98	91.46	16.75	NA	NA	NA	NA
158	2022-09-05	6.12	4.55	0.78	6.26	85.38	15.77	NA	NA	NA	NA
159	2022-09-06	5.93	3.57	0.62	6.2	133.75	12.64	NA	NA	NA	NA
160	2022-09-07	4.84	1.83	0.17	6.41	155.93	13.93	NA	NA	NA	NA
161	2022-09-08	6.22	2.24	0.53	6.4	195.16	12.9	NA	NA	NA	NA
162	2022-09-09	0.49	0.24	0.2	1.71	208.79	6.39	NA	NA	NA	NA
163	2022-09-10	5.29	6.89	1.1	7.51	278.61	22.05	NA	NA	NA	NA
164	2022-09-11	4.37	14.95	0.87	7.51	278.62	22.55	NA	NA	NA	NA



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## Annexure-1

165	2022-09-12	4.84	16.6	0.9	6.94	286.58	20.8	NA	NA	NA
166	2022-09-13	4.99	15.98	0.76	7.99	284.27	18.55	NA	NA	NA
167	2022-09-14	6.07	19.88	0.39	7.81	269.2	17.39	NA	NA	NA
168	2022-09-15	4.52	16.37	0.57	8.54	256.23	18.18	NA	NA	NA
169	2022-09-16	4.33	13.18	0.21	9.66	252.25	13.43	NA	NA	NA
170	2022-09-17	5.39	8.63	0.65	9.41	248.23	9.93	NA	NA	NA
171	2022-09-18	5.11	19.07	0.58	9.64	231.86	8.39	NA	NA	NA
172	2022-09-19	0.5	9.18	1.02	4.07	174.83	5.42	NA	NA	NA
173	2022-09-20	0.7	1.38	1	1.6	158.39	17.01	NA	NA	NA
174	2022-09-21	0.49	4.06	0.91	0.3	146.3	8.66	NA	NA	NA
175	2022-09-22	0.49	3.42	1.15	0.18	153.07	7.55	NA	NA	NA
176	2022-09-23	0.49	3.57	0.76	0.58	167.35	14.35	NA	NA	NA
177	2022-09-24	1.77	0.77	0.88	0.6	179.84	34.7	NA	NA	NA
178	2022-09-25	0.49	0.22	0.84	0.05	161.34	17.27	NA	NA	NA
179	2022-09-26	0.49	0.34	0.78	0.05	159.88	15.21	NA	NA	NA
180	2022-09-27	0.49	0.11	1.01	0.76	159.05	21.06	NA	NA	NA
181	2022-09-28	6.34	8.13	1.48	7.78	137.74	15.28	NA	NA	NA



## Annexure-1

182	2022-09-29	4.17	8.6	1.33	9.98	121.75	19.57	NA	NA	NA
183	2022-09-30	4.94	6.59	1.29	9.94	126.9	16.17	NA	NA	NA
185	Prescribed Standards	0 - 30	0 - 30	0 - 30	0 - 30	0 - 600	0 - 100	0 - 50	0 -	0 -
186	Maximum Value	28.33	25.64	3.61	20.46	429.75	163.43	156.05	337.32	41.35
187	Maximum Value At Time	2022-05-12	2022-08-03	2022-07-01	2022-07-21	2022-04-17	2022-04-27	2022-05-16	2022-04-16	2022-04-16
188	Minimum Value	0.49	0.02	0	0.01	31.21	0	0	0	0
189	Minimum Value At Time	2022-04-01	2022-06-01	2022-04-22	2022-06-25	2022-06-13	2022-04-24	2022-04-26	2022-04-26	2022-04-15
190	Geometric Mean	8.39	4.68	0.98	3.99	160.94	11.8	45.73	17.47	1.76
191	Median	5.92	2.82	0.76	3.24	152.1	7.47	25.51	0	0
192	Standard Deviation	7.16	5.68	0.91	3.76	74.26	18.87	45.08	53.89	5.84
193	Valid Data Points	183	183	183	183	180	180	77	62	63
194	Total Data Points	184	184	184	184	184	184	184	184	184
195	Data Availability %	99.46	99.46	99.46	99.46	97.83	97.83	41.85	41.85	34.24



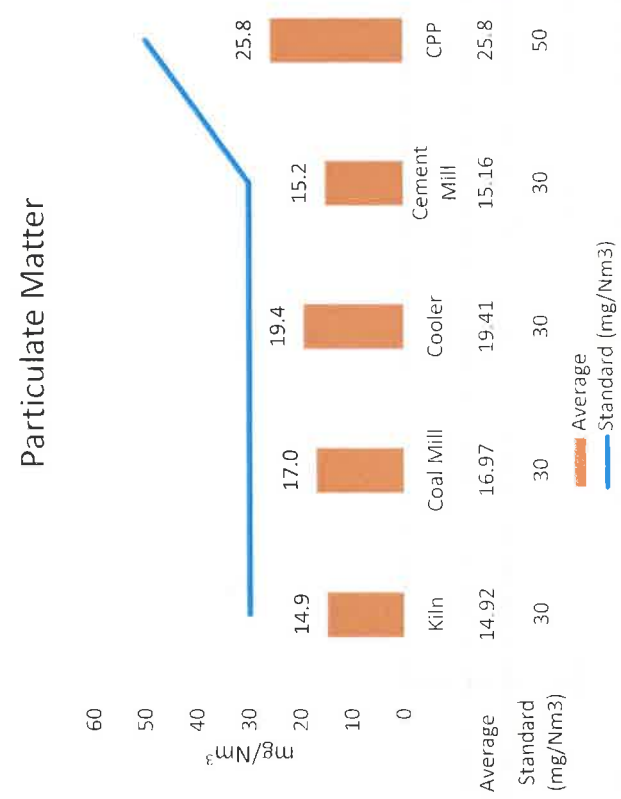
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\* CPP is under shut down from 1st may 22 to till now



THIRD PARTY STACK EMISSION MONITORING Apr-22-Sep-22

Stack Details	Emission Parameter	Standard (mg/Nm <sup>3</sup> )	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Average
Kiln	Sulphur Dioxide	100	56.57	14.10	15.68	20.15	22.45	21.44	25.065
	Nitrogen Dioxide	600	245.23	200.97	145.5	190.34	205.65	215.47	200.53
	Particulate Matter	30	20.60	14.80	10.34	14.5	14.5	14.8	14.92
Coal Mill	Particulate Matter	30	19.60	18.20	17.3	16.5	13.9	16.3	16.97
	Particulate Matter	30	20.20	25.10	9.5	24.7	17.7	19.26	19.41
Cooler	Particulate Matter	30	25.7	16.00	10.7	12.5	15.7	10.34	15.16
	Particulate Matter	50	25.80	shut down	shut down	shut down	shut down	shut down	25.8
CPP	Sulphur Dioxide	600	311.78	shut down	shut down	shut down	shut down	shut down	311.78
	Nitrogen Dioxide	350	278.11	shut down	shut down	shut down	shut down	shut down	278.11
	Mercury	0.03	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001



Particulate matter emission



Gaseous Emission



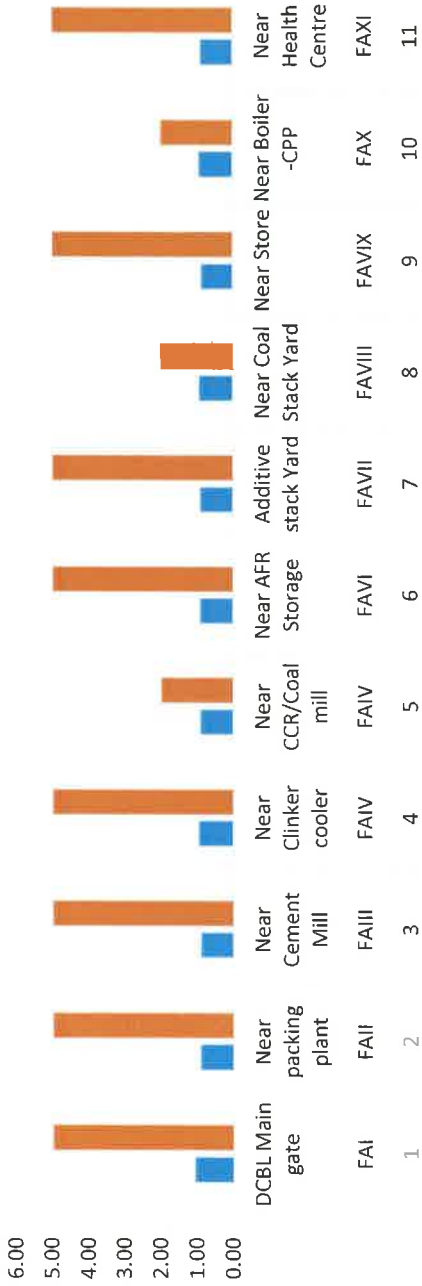
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FUGITIVE EMISSION MONITORING (Apr-22 to Sep 22)										
Sl No.	Station Code	Name of the Station	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Average	STD
1	FAI	DCBL Main gate	0.79	1.05	1.52	1.08	1.07	0.97	1.08	5.00
2	FAII	Near packing plant	0.90	0.98	0.96	0.94	0.94	0.86	0.93	5.00
3	FAIII	Near Cement Mill	0.60	1.02	0.98	0.86	1.11	0.88	0.91	5.00
4	FAIV	Near Clinker cooler	0.90	1.00	1.05	0.96	0.93	0.98	0.97	5.00
5	FAIV	Near CCR/Coal mill	0.94	0.88	0.93	0.76	1.05	0.96	0.92	2.00
6	FAVI	Near APR Storage	0.77	0.83	1.01	0.87	1.01	1.06	0.93	5.00
7	FAVII	Additive stack Yard	0.73	0.91	1.04	0.82	0.84	1.17	0.92	5.00
8	FAVIII	Near Coal Stack Yard	1.06	1.01	0.85	0.83	0.78	1.11	0.94	2.00
9	FAVIX	Near Store	1.05	0.90	0.91	0.61	1.02	0.82	0.89	5.00
10	FAX	Near Boiler - CPP	0.88	1.00	0.73	0.97	1.07	1.01	0.94	2.00
11	FAXI	Near Health Center	0.89	0.85	0.87	0.98	0.78	1.03	0.90	5.00



*[Handwritten Signature]*

Fugitive emission monitoring report (Apr-22 to Sep 22)



■ FUGITIVE EMISSION MONITORING (CEMENT PLANT & CPP) Average

■ FUGITIVE EMISSION MONITORING (CEMENT PLANT & CPP) STD



*(Handwritten signature)*

<b>Dalmia Cement (Bharat) Limited, Yadwad, Belagavi District</b>												
<b>GREEN BELT DEVELOPMENT REPORT- 2013-2023</b>												
Sr. No	Unit	Year										Total Plantation
		2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	
<b>CEMENT PLANT</b>												
1	No. of Trees Planted	1802	11981	48835	16415	7437	44874	11717	1500	0	5000	149561
2	Area Covered (Ha)	0.7208	4.7924	19.534	6.566	2.9748	17.9496	4.6868	0.5	0	2.5	60.22
3	Survival Rate (%)	89	91	91	93	94	94	96	95	0	96	93.22
<b>MINES</b>												
1	No. of Trees Planted				230	4484	8066	1884	2500	2800	2900	22864
2	Area Covered (Ha)				0.85	16.04	22.07	0.75	2	2.5	2.5	46.71
3	Survival Rate (%)				91	93	93	95	95	95	95	93.85
<b>TOTAL PLANTATION</b>												
<b>TOTAL AREA COVERED UNDER GREEN BELT(CEMENT PLANT +MINES) (Ha)</b>												
<b>106.93</b>												
<b>33% AREA COVERED UNDER GREEN BELT (Ha) - CEMENT PLANT</b>												
<b>39.6</b>												
<b>% AREA COVERED UNDER GREEN BELT (CEMENT PLANT)</b>												
<b>50.18</b>												



*[Handwritten Signature]*

**Photographs of Green Belt:**



*Dushan*



*Asha*

Dalmia Cement (Bharat) Ltd.  
 YADWAD  
 591136  
 Karnataka  
 \* 1st Floor, D. B. S. Road \*

## Online Pollution Monitoring Portal

Site Name: M/s.DALMIA CEMENT (BHARAT) LTD.,

From Date: 2022/04/01 To Date: 2022/09/30

Report Name: Custom Report

Report Created by DCML on 2022-11-15 11:39:52

Sl No.	Time	CAAQ MS_1-PM10 (ug/m <sup>3</sup> ) Raw	CAAQM S_1-PM2.5 (ug/m <sup>3</sup> ) Raw	CAAQM S_1-SO2 (ug/m <sup>3</sup> ) Raw	CAAQM S_1-NOx (ug/m <sup>3</sup> ) Raw	CAAQM S_1-NO (ug/m <sup>3</sup> ) Raw	CAAQM S_1-NO2 (ug/m <sup>3</sup> ) Raw	CAAQMS_1-CO (mg/m <sup>3</sup> ) Raw	CAAQMS_1-Atmospheric Temperature (Degree) Raw	CAAQMS_1-Rain (mm) Raw	CAAQMS_1-Relative humidity (%) Raw	CAAQMS_1-Wind Speed (m/s) Raw	CAAQMS_1-Wind Direction (Degree) Raw	CAAQMS_1-Atmospheric Pressure (Bar) Raw	CAAQMS_1-Solar Radiation (W/m <sup>2</sup> ) Raw
1	2022-04-01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	2022-04-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	2022-04-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4	2022-04-04	41.14	24.68	0.29	23.22	13.35	9.96	0.97	28.86	0	0.71	2.74	202.94	804.4	38.23
5	2022-04-05	28.39	27.74	3.92	22.47	12.85	9.79	0.82	27.55	0.58	2.77	2.83	186.57	808.3	66.54
6	2022-04-06	20.14	34.29	4.63	22.13	12.64	9.78	0.81	25.75	0	1.38	2.82	161.07	808.7	69.99
7	2022-04-07	21.25	22.42	5.03	21.38	11.5	10.17	0.79	26.67	0.09	2.66	3.2	148.35	809.3	74.14
8	2022-04-08	15.72	19.6	7.05	22.06	12.33	9.98	0.78	26.86	0	4.62	3.57	148.35	809.4	74.79



9	2022-04-09	32.66	25.82	9.66	22.22	12.61	9.97	0.81	25.66	0	1.02	2.98	128.21	808.8	8	70.71
10	2022-04-10	24.05	20.39	10.39	22.07	12.52	9.84	0.82	23.45	0	0.91	2.83	87.83	808.8	3	70.56
11	2022-04-11	28.96	38.11	0	22.68	13.48	9.69	0.85	32.7	0	1.03	2.55	182.41	811.9	2	92.69
12	2022-04-12	26.45	31.96	0.03	22.54	13.26	9.52	0.83	29.02	0	0.72	2.49	184.38	809.0	3	71.77
13	2022-04-13	27.34	32.17	2.36	22.96	13.6	9.58	0.8	29.75	0	2.7	2.39	207.83	809.4	3	74.6
14	2022-04-14	29.82	35.49	1.22	21.87	12.45	9.67	0.69	26.83	0	2.13	3.08	167.47	807.3	2	59.42
15	2022-04-15	25.78	25.19	0.77	21.8	12.71	9.28	0.78	25.88	0	3.52	3.03	126.07	807.0	7	57.68
16	2022-04-16	30.54	32.09	1.34	22.47	12.86	9.89	0.76	26.31	0	5.03	3.49	139.03	809.2	1	73.12
17	2022-04-17	23.19	22.26	2.03	22.63	13.56	9.44	0.71	26.26	0	18.23	3.69	113.7	809.4	4	74.64
18	2022-04-18	41.68	20.63	5.89	22.26	12.92	9.55	0.79	26.09	0	10.18	4.4	115.48	809.0	5	72.01
19	2022-04-19	35.04	28.95	6.8	22.33	12.96	9.54	0.76	26.38	0	11.18	3.69	110.4	809.5	3	75.41
20	2022-04-20	52.9	NA	0.69	22.36	12.79	9.72	0.74	30.1	0	28.11	3.32	140.07	809.6	1	75.6
21	2022-04-21	43.79	44.36	2.49	22.07	12.69	9.5	0.78	30.37	0	32.14	3.39	158.18	809.5	9	75.36
22	2022-04-22	21.16	24.53	2.27	22.76	12.95	10.06	0.79	29.69	0	26.93	2.96	175.3	809.4	7	74.6
23	2022-04-23	29.32	21.18	2.31	21.47	11.71	9.88	0.76	26.1	14.49	29.71	4.25	176.58	808.3	3	66.19
24	2022-04-24	25.99	33.49	5.27	22.13	13.18	9.11	0.82	26.77	0	29.98	3.08	156.98	809.1	8	72.49
25	2022-04-25	32.77	38.58	7.1	22.71	12.67	10.25	0.78	28.07	0	65.44	2.7	183.92	809.1	8	71.96



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26	2022-04-26	19.89	30.49	5.89	21.97	12.3	9.82	0.81	27.86	0	55.93	2.77	207.99	809.5	6	74.85
27	2022-04-27	23.89	27.8	10.93	22.36	13	9.58	0.79	31.21	0	52.51	2.83	209.4	810.1	5	79.09
28	2022-04-28	29.77	39.23	15.53	22.25	12.85	9.52	0.83	29.59	0	37.54	2.34	165.1	811.8	6	91.78
29	2022-04-29	42.27	26.3	0	21.99	12.49	9.84	0.69	34.58	0	3.48	8.52	116.24	857.6	3	400.17
30	2022-04-30	38.09	22.89	5.58	22.34	12.97	9.55	0.71	29.83	0.02	38.58	9.23	96.77	855.7	9	394.77
31	2022-05-01	29.21	30.55	4.61	22.32	12.64	9.83	0.71	28.75	0	52.21	8.5	104.08	854.4	7	399.04
32	2022-05-02	35.6	37.24	3.25	21.59	12.19	9.63	0.69	27.5	0	40.98	7.96	103.94	851.7	9	375.39
33	2022-05-03	32.93	30.95	4.02	21.48	12.04	9.71	0.69	29.26	0	67.33	8.27	117.66	852.3	5	382.54
34	2022-05-04	32.46	27.22	4.4	21.85	12.6	9.38	0.71	30.8	0	11.69	8.02	129.02	849.0	5	355.75
35	2022-05-05	33.82	25.42	6.72	21.61	12.27	9.46	0.69	31.05	0	74.32	7.97	115.26	851.5	3	376.84
36	2022-05-06	35.89	33.87	6.51	22.3	12.53	9.95	0.77	30.51	0	57.12	7.95	101.96	850.6	5	364.53
37	2022-05-07	34.27	31.4	6.62	22.15	12.79	9.5	0.7	30.13	0	17.34	8.08	117.58	848.4	4	353.9
38	2022-05-08	43.25	39.77	8.76	21.7	12.36	9.55	0.71	31.36	0	2.81	7.82	152.59	847.0	6	334.34
39	2022-05-09	44.28	34.26	6.65	22.04	12.59	9.6	0.84	30.05	0	7.36	8.29	137.03	847.4	3	342.65
40	2022-05-10	51.31	28.83	0.39	21.92	12.2	9.9	0.71	27.95	0	1.38	8.54	138.93	839.0	2	283
41	2022-05-11	43.48	29.67	0.02	21.57	12.33	9.4	0.72	25.42	0	1.84	8.54	138.93	847.9	8	346
42	2022-05-12	35.2	18.5	0.16	22.17	12.74	9.62	0.76	24.71	0.65	0.77			847.5	6	347.94



43	2022-05-13	22.17	23.67	0	21.57	11.64	10	0.76	22.19	3.91	0.68	4.16	133.43	811.48	86.37
44	2022-05-14	29.85	18.78	0	22.56	12.56	10.05	0.6	25	0	0.67	4.14	201.37	808.13	65.19
45	2022-05-15	31.22	16.95	0	21.48	12.13	9.43	0.63	26.21	0	0.68	3.86	212.73	809.72	76.67
46	2022-05-16	27.36	19.52	0	22.16	12.55	9.7	0.71	27.46	0	0.68	3.86	192.58	808.82	70.15
47	2022-05-17	21.82	14.49	0	21.57	11.82	9.79	0.68	25	7.33	0.68	3.55	214.39	807.87	63.35
48	2022-05-18	17.68	23.6	0	21.59	12.29	9.35	0.65	22.44	0	1.17	2.26	191.32	805.54	46.51
49	2022-05-19	23.29	35.88	0	22.02	12.33	9.73	0.65	22.17	18.52	0.67	2.52	186.23	805.06	43.02
50	2022-05-20	72.3	44.84	1.6	22.1	12.22	10.02	0.71	18.13	34.76	5.81	8.78	127.39	829.34	218.48
51	2022-05-21	26.2	31.29	1.6	21.62	12.27	9.39	0.56	19.37	0	0.77	9.3	146.11	852.48	379.67
52	2022-05-22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
53	2022-05-23	25.39	14.86	0	21.78	12.13	9.71	0.62	29.13	0	0.77	9.26	88.48	852.73	378.98
54	2022-05-24	22.84	16.7	2.38	21.54	11.78	9.82	0.68	26.11	0	0.76	8.28	94.55	849.39	360.47
55	2022-05-25	21.56	20.71	9.69	22.09	12.67	9.48	0.61	25.69	0	0.71	4.71	102.46	826.45	197.48
56	2022-05-26	20.02	17	11.54	21.89	12.08	9.83	0.62	24.78	0	0.72	6.61	91.19	834.17	254.43
57	2022-05-27	13.59	12.09	10.79	21.81	12.23	9.62	0.63	24.98	0	0.75	8.08	85.3	845.56	331.83
58	2022-05-28	19.84	43.65	3.54	21.67	11.69	10.03	0.55	25.56	0	0.7	4.82	119.42	822.01	164.61
59	2022-05-29	15.29	17.98	0	21.65	11.65	10.1	0.62	25.38	0	0.68	4.78	149.42	810.59	83.26



60	2022-05-30	15.96	19.25	0	21.92	12.12	9.82	0.67	25.27	0	0.68	3.8	157.53	810.1	5	79.97
61	2022-05-31	20.14	26.35	0	21.94	12.24	9.74	0.64	25.79	0	0.68	3.72	150.25	810.2	3	80.6
62	2022-06-01	15.02	20.91	0	21.6	12.05	9.61	0.67	24.01	3.45	0.67	2.63	132.63	806.5	7	54.12
63	2022-06-02	43.59	35.69	0	22.69	12.3	10.4	0.71	19.92	0	0.66	2.19	135.25	803.4	1	31.15
64	2022-06-03	17.31	25.17	0	21.42	11.89	9.61	0.64	26.69	88	0.76	7.92	101.98	849.5	849.5	359.77
65	2022-06-04	14.65	25.1	0	21.72	11.89	9.9	0.67	27.15	0	0.75	6.67	185.93	845.2	1	331.99
66	2022-06-05	18.23	23.07	0	21.64	11.79	9.9	0.62	26.28	0	0.75	7.21	166.15	846.9	1	347.05
67	2022-06-06	11.9	13.81	0	21.72	12.04	9.76	0.76	23.57	30.78	0.74	7	150.36	841.4	4	308.07
68	2022-06-07	27.19	16.12	1.92	22.33	12.52	9.87	0.73	24.46	0	0.74	6.82	90.83	842.1	3	305.05
69	2022-06-08	18.87	12.29	1.37	21.86	11.81	10.14	0.66	24.59	0	0.74	7.05	145.95	842.7	4	309.96
70	2022-06-09	11.96	13.68	4.06	22.13	12.46	9.73	0.73	26.35	0	0.75	7.27	156.09	844.1	2	325.71
71	2022-06-10	9.73	6.24	7.43	21.71	11.9	9.86	0.65	23.72	0.61	0.75	8.32	117.47	848.3	4	353.42
72	2022-06-11	12.37	9.69	5.19	21.91	12.03	9.96	0.71	24.35	0	0.76	9.01	107.08	850.6	4	371.17
73	2022-06-12	6.34	6.19	4.46	21.86	12.1	9.83	0.66	25.57	0	0.76	7.97	148.6	850.1	5	368.75
74	2022-06-13	7.13	8.58	5.37	21.94	12.49	9.51	0.64	24.18	0	0.75	7	176.39	843.6	6	325.01
75	2022-06-14	28.71	18.93	4.72	22.08	12.38	9.77	0.64	25.29	1.01	0.76			850.3	8	371.44
76	2022-06-15	6.57	7.52	5.06	21.49	11.47	10.1	0.66	20.79	0	0.74			842.5	1	311.58



77	2022-06-16	14.74	10.65	0	22.45	12.28	10.19	0.59	25.75	0	0.75	7.37	128.45	847.4	2	344.76
78	2022-06-17	10.86	8.04	6.87	21.77	12.42	9.41	0.68	24.61	0	0.75	7.24	137.98	847.1	7	340.66
79	2022-06-18	11.8	12.7	23.16	22.04	11.99	10.12	0.64	25.95	1.28	0.76	8.21	149.51	848.1	4	351.89
80	2022-06-19	9.9	11.88	23.52	21.55	11.48	10.17	0.64	23.42	0	0.75	8.6	124.82	850.3	3	369.81
81	2022-06-20	12.92	12.24	23.31	22.14	12.73	9.45	0.66	23.06	0	0.76	8.8	123.57	848.9	3	354.7
82	2022-06-21	9.02	6.12	16.02	21.77	12.08	9.75	0.68	20.84	1.57	0.75	8.5	141.07	844.9	3	330.71
83	2022-06-22	6.52	6.92	24.89	21.95	12.09	9.88	0.67	21.37	0	0.75	8.09	156.41	848.5	2	354.62
84	2022-06-23	11.28	6.57	25.11	21.35	12.32	9.09	0.61	21.93	0	0.75	8.12	221.3	849.7	3	368.48
85	2022-06-24	9.34	10.37	25.88	21.99	11.8	10.21	0.62	22.03	0	0.75	8.13	166.33	846.1	9	340.65
86	2022-06-25	7.55	12.51	30.01	22.1	12.41	9.72	0.69	21.83	0	0.74	8.5	175.43	844.8	2	331.22
87	2022-06-26	11.4	13.54	34.26	21.34	11.64	9.77	0.66	22.29	0	0.75	9.05	141.11	845.4	3	333.53
88	2022-06-27	12.68	18.65	38.07	21.54	12.02	9.55	0.67	22.68	0.65	0.75	9.85	182.43	848.4	1	356.45
89	2022-06-28	16.37	23.85	38.58	21.83	12.03	9.82	0.69	23.82	0	0.75	8.47	195.94	848.1	7	353.3
90	2022-06-29	8.41	17.08	38.45	22.86	13.09	9.77	0.73	22.2	0	0.74	7.68	227.33	844.6	1	327.14
91	2022-06-30	25.84	12.32	4	22.72	13.06	9.75	0.37	23.72	0	0.76	9.08	135.42	855.7	3	408.43
92	2022-07-01	10.38	12.49	4	21.95	12.32	9.69	0.67	22.02	1.96	0.75	8.28	167.11	850.4	1	369.91
93	2022-07-02	13.81	21.66	5.25	21.43	11.99	9.49	0.68	22.99	0	0.75			848.1	3	354.63



94	2022-07-03	16.54	18.96	6.24	22.16	12.3	9.91	0.71	23.01	0	0.75	8.42	183.53	849.2	3	360.46
95	2022-07-04	9.82	9.46	4.01	21.57	11.76	9.87	0.74	21.04	0	0.75	8.79	194.39	848.7	9	357.24
96	2022-07-05	7.7	7.35	4.66	21.36	11.49	9.92	0.67	20.44	11	0.74	8.03	155.81	845.0	7	331.67
97	2022-07-06	6.86	7.89	6.7	21.67	11.93	9.79	0.65	21.32	0.21	0.75	8.43	129.5	846.1	4	341.95
98	2022-07-07	11.33	10.59	8.57	21.82	12.2	9.69	0.67	22.89	5.6	0.76	9.9	184.23	849.8	2	365.73
99	2022-07-08	7.08	6.95	9.74	22.05	12.7	9.38	0.65	20.05	0.6	0.75	9.14	180.49	848.6	4	355.14
100	2022-07-09	9.97	8.12	14.49	22.15	12.24	9.98	0.71	18.76	8.81	0.74	9.14	217.37	845.3	3	331.36
101	2022-07-10	9.92	9.25	16.85	21.49	12.03	9.54	0.66	20.45	2.45	0.75	9.34	176.7	849.8	4	364.83
102	2022-07-11	9.08	8.73	19.27	21.8	12.24	9.58	0.66	19.73	2.02	0.74	8.2	180.91	843.2	3	320.9
103	2022-07-12	7.07	6.41	22.38	21.84	12.06	9.81	0.63	19.58	14.25	0.74	8.66	183.31	844.9	8	331.38
104	2022-07-13	6.64	5.72	25.81	21.87	12.3	9.63	0.68	18.89	4.11	0.74	9.06	175.14	847.0	7	345.67
105	2022-07-14	9.02	6.13	29.47	21.97	12.01	9.99	0.67	20.53	0	0.75	9.98	144.28	852.7	6	390.27
106	2022-07-15	10.03	8.98	32.5	21.38	11.88	9.55	0.63	21.48	1.11	0.75	9.78	114.03	850.2	9	369.11
107	2022-07-16	11.27	7.81	36.06	21.19	11.7	9.53	0.7	20.36	3.47	0.75	8.82	166.79	850.2	5	370.85
108	2022-07-17	10.38	11.6	37.01	21.67	12.2	9.54	0.68	21.53	0.9	0.76	9.41	207.61	851.1	1	378.35
109	2022-07-18	9.75	11.05	36.86	21.69	11.59	10.14	0.66	21.13	0	0.74	9.44	219.36	846.2	846.2	339.85
110	2022-07-19	10.89	8.34	39.1	21.51	11.92	9.64	0.7	21.41	0	0.75	9.04	240.49	849.3	8	359.29



111	2022-07-20	10.54	12.62	39.94	21.7	12.25	9.48	0.63	21.58	0	0.74	10.38	205.16	846	328.38
112	2022-07-21	11.67	11.99	41.86	21.34	11.74	9.66	0.6	21.67	0	0.7	10.36	235.9	826.75	189.65
113	2022-07-22	14.7	12.53	42.39	21.84	12.42	9.47	0.61	19.78	0.54	0.66	3.18	197.81	806.1	50.78
114	2022-07-23	18.04	14.8	32.57	21.98	11.4	10.6	0.61	17.7	0	0.68	7.68	228.38	814.2	110.57
115	2022-07-24	11.28	12.82	0.16	21.75	12.06	9.76	0.7	20.7	0	0.75	9.18	208.29	846.2	339.95
116	2022-07-25	14.41	13.74	7.06	21.71	11.99	9.77	0.72	22.19	0	0.76	8.99	213.85	850.7	370.01
117	2022-07-26	15.99	12.73	29.36	22.34	12.81	9.6	0.7	20.37	0.78	0.75	9.06	230.11	844.6	330.33
118	2022-07-27	13.03	10.65	32.46	21.53	11.92	9.62	0.72	19.8	0	0.75	9.26	230.69	850.6	374.19
119	2022-07-28	28.32	6.36	0.48	22.43	12.43	10.05	0.72	25.48	1.76	0.76	8.56	269.71	848.7	355.32
120	2022-07-29	17.87	17.92	1.9	21.79	12.55	9.28	0.64	24.35	0.28	0.76	8.89	230.11	849.5	361.84
121	2022-07-30	9.58	11.31	4.96	22.14	12.29	9.88	0.68	21.99	15.16	0.75	9.65	242.78	848.4	354.18
122	2022-07-31	24.15	28.8	4.05	21.89	11.87	10.03	0.65	26.35	0	0.77	10.83	235.93	853.9	390.58
123	2022-08-01	34.24	35.7	7.52	22.03	12.15	9.89	0.68	22.73	0	0.77	8.87	256.05	848.8	356.7
124	2022-08-02	20.51	29.02	11.68	21.72	12.42	9.33	0.65	20.31	34.06	0.76	10.1	254.56	844.2	320.74
125	2022-08-03	13.86	17.27	2.99	22.04	12.53	9.55	0.66	20.69	6.03	0.77	10.34	273.35	847.7	354.86
126	2022-08-04	6.03	9.35	5.73	22.09	12.17	9.98	0.7	22.64	0	0.77	10.79	286.23	849.4	360.93
127	2022-08-05	3.87	6.43	9.68	22.09	12.22	9.9	0.74	21.27	2.95	0.76	9.85	291.01	853.2	355.08



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128	2022-08-06	6.99	6.65	5.32	21.97	12.82	9.21	0.7	20.08	4.7	0.75	9.54	280.34	848.4	2	322.61
129	2022-08-07	8.73	7.4	6.27	22.11	12.42	9.71	0.68	21.21	0	0.76	10.38	252.04	844.3	1	311.95
130	2022-08-08	3.72	4.94	7.06	22.2	12.86	9.38	0.66	19.51	18.7	0.76	9.84	198.56	844.3	3	330.69
131	2022-08-09	4.35	3.56	10.81	22.08	12.47	9.67	0.68	19.98	1.39	0.76	9.66	107.41	844.0	2	324.6
132	2022-08-10	10.9	9.48	9.2	21.45	12.01	9.47	0.63	21.23	0	0.75	10.68	87.33	846.0	9	340.55
133	2022-08-11	10.15	8.12	12.75	22.11	12.15	9.98	0.64	21.39	0.36	0.75	9.69	80.3	844.4	4	327.29
134	2022-08-12	7.32	5.73	13.51	22.14	12.95	9.22	0.62	21.43	0	0.76	10.64	76.2	847.5	9	348.72
135	2022-08-13	11.96	11.55	13.55	22.27	12.69	9.6	0.67	21.64	0	0.76	9.29	87.12	847.1	5	347.87
136	2022-08-14	10.56	11.02	14.28	21.72	12.18	9.57	0.68	21.03	0	0.75	9.39	82.82	844.3	2	326.15
137	2022-08-15	14.39	11.96	12.86	21.23	11.93	9.32	0.78	21.31	0	0.76	9.82	81.36	845.2	5	339.45
138	2022-08-16	11.53	8.68	14.53	21.6	12.43	9.21	0.74	20.62	0	0.76	9.5	99.36	847.3	5	347.68
139	2022-08-17	16.72	17.04	14.66	21.54	11.39	10.2	0.75	21.5	0	0.75	10.14	94.12	842.1	8	305.25
140	2022-08-18	19.85	17.62	15.99	21.79	11.94	9.87	0.72	21.59	5.29	0.76	10.09	93.41	847.5	3	349.41
141	2022-08-19	12.61	14.62	15.36	21.87	12.25	9.66	0.65	21.28	1.19	0.76	10.75	93.05	846.5	5	344.43
142	2022-08-20	17.6	14.24	17.44	21.88	12.3	9.62	0.65	21.91	0	0.76	10.12	116.18	845.3	7	328.78
143	2022-08-21	14.36	11.71	20.68	21.57	12.6	9.01	0.62	20.57	2.93	0.76	10.43	104.3	845.5	7	328.78
144	2022-08-22	20.69	13.62	24.53	21.44	12.24	9.23	0.68	21.02	0.65	0.75	10.02	104.3	846.8	7	335.48
																339.03



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145	2022-08-23	21.59	17.91	24.68	22.05	12.39	9.67	0.77	21.73	0	0.76	9.69	99.48	846.67	343.51
146	2022-08-24	21.98	19.68	24.46	22.1	12.47	9.66	0.7	22.19	0	0.75	9.39	120.35	844.08	322.2
147	2022-08-25	17.72	17.97	26.67	21.6	12.09	9.55	0.63	22.13	0	0.75	9.97	124.62	846.26	338.58
148	2022-08-26	23.62	20.63	29.3	21.77	11.8	10.02	0.63	22.73	0	0.76	10.02	118.23	848.94	354.59
149	2022-08-27	19.48	20.27	32.24	22.19	12.61	9.63	0.61	22.21	0	0.76	11.13	131.84	846.65	336.86
150	2022-08-28	24.4	26.39	32.82	21.97	12.68	9.31	0.61	22.69	0	0.77	10.27	140.49	845.06	332.22
151	2022-08-29	23.39	25.32	38.32	22.06	12.83	9.26	0.64	21.74	0	0.77	10.93	143.18	846.25	345.92
152	2022-08-30	9.92	10.76	45.23	21.71	11.98	9.77	0.72	22.65	14.42	0.73	10.32	172.44	830.41	224.8
153	2022-08-31	11.01	17.76	50.93	22.07	12.32	9.78	0.71	22.66	6.61	0.67	1	169.93	807.39	59.94
154	2022-09-01	13.21	12.29	16.21	21.48	11.96	9.54	0.61	21.51	6.56	0.74	14.07	190.33	839.35	260.79
155	2022-09-02	6.39	5.35	2.84	21.85	12.27	9.61	0.49	24.2	0.41	0.77	10.39	216.52	850.7	374.94
156	2022-09-03	10.01	15.45	3.54	20.95	11.26	9.73	0.64	27.11	0	0.78	10.54	212.54	852.23	384.46
157	2022-09-04	7.01	8.06	9.47	21.04	11.79	9.26	0.64	19.83	0	0.76	9.89	125.75	843.87	320.99
158	2022-09-05	14.97	18.63	0.09	22.03	12.77	9.31	0.58	23.01	1.46	0.76	9.69	149.08	850.95	367.44
159	2022-09-06	7.21	9.33	6.49	21.8	12.3	9.54	0.71	21.12	84.32	0.75	10.28	206.35	864.33	461.16
160	2022-09-07	3.66	7.03	28.67	21.36	12	9.39	0.62	23.39	37.37	0.76	9.74	206.35	864.33	461.16
161	2022-09-08	4.57	7.34	32.06	22.17	12.69	9.51	0.68	22.6	0.95	0.76	10.37	216.52	850.7	492.18





162	2022-09-09	2.57	4.34	33.75	21.75	12.18	9.59	0.69	22.4	0	0.76	9.4	187.55	866.0	8	465.4
163	2022-09-10	3.43	3.93	32.49	22.35	12.48	9.9	0.69	20.8	13.15	0.75	9.16	122.93	864.9	7	467.86
164	2022-09-11	2.37	4.4	31.75	21.99	12.49	9.54	0.7	20.05	7.7	0.75	8.71	113.62	864.2	8	466.23
165	2022-09-12	2.95	5.31	34.08	22.04	12.62	9.44	0.7	20.33	7.47	0.75	8.61	103.11	861.9	6	453.71
166	2022-09-13	11.58	8.56	35.39	20.57	11.1	9.49	0.67	21.55	0	0.75	9.11	109.76	860.7	7	444.87
167	2022-09-14	18.19	7.13	3.72	18.16	8.66	9.5	0.69	20.99	0	0.75	9.53	151.03	861.5	3	438.62
168	2022-09-15	12.72	3.89	6	18.35	8.79	9.57	0.65	21.02	1.96	0.75	8.83	175.23	857.8	4	418.28
169	2022-09-16	16.27	4.08	6.35	18.41	9.02	9.4	0.64	20.44	0	0.7	7.74	162.71	839.6	839.6	280.76
170	2022-09-17	20.23	9.26	4.71	18.14	8.69	9.46	0.71	19.99	0	0.69	4.86	154.93	836.4	7	261.79
171	2022-09-18	22.18	9.37	5.92	17.95	8.51	9.44	0.63	21.43	0	0.74	6.16	113.44	867.0	4	481.52
172	2022-09-19	31.42	8.76	7	18	8.56	9.45	0.62	20.74	0	0.74	6.66	90.7	865.6	4	468.74
173	2022-09-20	39.85	22.44	6.73	18.25	8.8	9.45	0.67	20.8	0	0.75	7.83	92.54	871.6	9	519.02
174	2022-09-21	48.31	40.8	7.87	18.44	9.05	9.39	0.59	21.11	1.83	0.66	0.42	83.22	811.7	6	88.82
175	2022-09-22	70.02	36.6	6.86	18.3	8.94	9.37	0.68	19.15	1.17	0.65	0.54	74.78	811.3	8	86.98
176	2022-09-23	59.24	35.52	8.31	18.24	8.82	9.42	0.62	19.97	0	0.66	0.41	74.4	808.9	2	68.78
177	2022-09-24	40.61	23.34	7.06	18.52	9.08	9.44	0.64	19.07	0	0.66	0.47	810.5	810.5	3	78.45
178	2022-09-25	46.9	16.06	6.54	18.28	8.84	9.44	0.58	20.5	0	0.66	0.57	811.0	811.0	2	82.81



179	2022-09-26	48.82	25.19	6.57	18.47	9.31	9.25	0.55	21.77	0	0.63	4.15	136.91	805.17	41.2
180	2022-09-27	58.91	31.58	6.77	18.15	8.71	9.44	0.62	22.99	0	0.55	6.13	84.34	804.24	34.88
181	2022-09-28	68.72	33.99	6.38	18.16	8.71	9.46	0.61	23.84	0	0.55	6.09	83.34	805.14	41.42
182	2022-09-29	45.28	25.21	5.22	18.32	8.93	9.39	0.66	23.04	2.34	0.55	6.12	105.01	803.95	33.21
183	2022-09-30	19.15	15.51	5.01	18.24	8.95	9.3	0.69	20	9.44	0.54	5.99	122.89	804.1	34.19
185	Prescribed Standards	0-100													
186	Maximum Value	72.3	44.84	50.93	23.22	13.6	10.6	0.97	34.58	88	74.32	14.07	291.01	871.69	519.02
187	Maximum Value At Time	2022-05-20	2022-05-20	2022-08-31	2022-04-04	2022-04-13	2022-07-23	2022-04-04	2022-04-29	2022-06-03	2022-05-05	2022-09-01	2022-08-05	2022-09-20	2022-09-20
188	Minimum Value	2.37	3.56	0	17.95	8.51	9.01	0.37	17.7	0	0.54	0.41	74.4	803.41	31.15
189	Minimum Value At Time	2022-09-11	2022-08-09	2022-04-11	2022-09-18	2022-09-18	2022-08-21	2022-06-30	2022-07-23	2022-04-04	2022-09-30	2022-09-23	2022-09-23	2022-06-02	2022-06-02
190	Geometric Mean	20.82	18.4	11.99	21.56	11.97	9.67	0.68	23.62	3.12	5.1	7.32			272.8



191	Media n	17.6	16.7	6.7	21.85	12.24	9.64	0.68	22.66	0	0.75	8.42	148.6	845.5 7	333.53
192	Stand ard Deviat ion	13.88	10.83	12.52	1.14	1.1	0.27	0.07	3.35	10.69	13.36	2.9	50.3	19.1	136.35
193	Valid Data Points	179	179	179	179	179	179	179	179	179	179	179	179	179	179
194	Total Data Points	184	184	184	184	184	184	184	184	184	184	184	184	184	184
195	Data Availa bility %	97.28	97.28	97.28	97.28	97.28	97.28	97.28	97.28	97.28	97.28	97.28	97.28	97.28	97.28



*[Handwritten signature]*

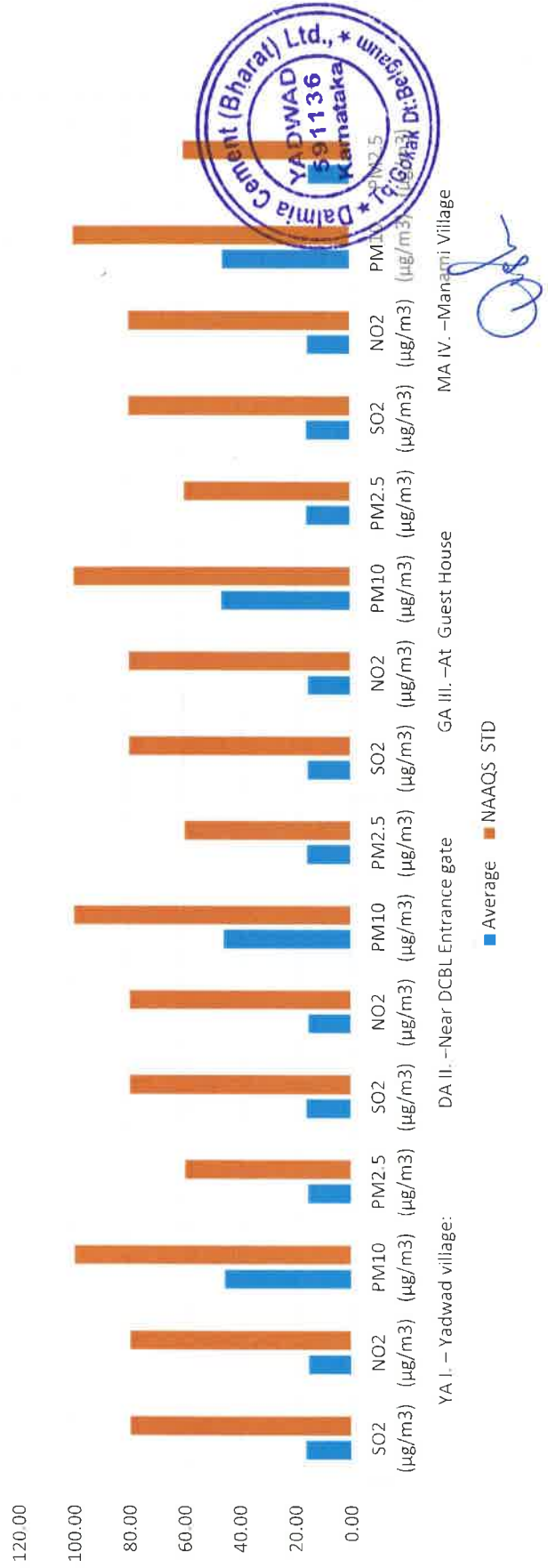
## Ambient Air Quality Monitoring Report form April 22 to Sep-22

Date	YA I. - Yadwad village:					DA II. -Near DCBL Entrance gate					GA III. -At Guest House					MA IV. -Manami Village				
	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	PM <sub>2.5</sub> (µg/m <sup>3</sup> )				
08.04.2022	15	14	55	12	13	19	53	20	12	21	56	11	10	14	47	15				
09.04.2022	20	17	51	22	17	15	57	16	19	18	54	15	16	11	54	19				
10.04.2022	18	22	55	13	11	16	51	14	17	11	46	16	12	20	58	24				
11.04.2022	16	15	49	18	15	20	50	25	20	19	55	26	14	17	60	17				
22.04.2022	12	20	59	20	20	13	54	15	12	17	49	12	19	13	57	13				
23.04.2022	21	14	53	24	13	11	60	10	16	20	57	24	10	22	50	20				
24.04.2022	16	11	50	21	18	16	57	12	17	10	50	13	20	15	67	18				
25.04.2022	25	23	51	18	21	23	51	19	15	13	47	17	19	21	60	10				
07.05.2022	16	14	42	12	12	15	47	20	15	17	50	11	12	18	50	15				
08.05.2022	20	12	57	14	14	11	43	15	20	13	47	13	14	12	48	11				
09.05.2022	13	17	49	18	11	14	54	12	12	15	51	18	16	10	44	13				
10.05.2022	16	13	50	11	13	16	57	15	15	12	57	10	14	17	56	10				
20.05.2022	18	15	58	12	17	14	50	10	20	15	53	13	18	14	51	14				
22.05.2022	15	18	54	10	15	12	45	19	14	19	58	16	15	12	58	11				
23.05.2022	17	15	60	16	18	15	57	16	16	14	44	20	10	17	51	15				
24.05.2022	13	17	48	13	12	20	49	10	17	11	57	17	18	12	60	18				
03.06.2022	17	12	41	13	11	18	44	20	16	22	45	17	13	20	47	11				
04.06.2022	14	11	40	17	14	16	41	15	13	14	48	12	16	19	45	14				
05.06.2022	20	17	43	19	17	24	49	17	15	17	42	16	18	14	48	17				
06.06.2022	16	13	50	15	13	15	47	20	12	16	44	14	20	22	51	20				
17.06.2022	14	18	45	20	16	13	52	27	19	13	51	15	14	12	44	19				
18.06.2022	11	15	48	13	14	12	50	16	14	15	43	17	16	13	47	18				
19.06.2022	15	14	44	18	19	15	45	13	12	14	50	20	12	18	51	15				
20.06.2022	14	18	47	13	21	18	41	19	16	20	47	17	19	15	46	20				
02.07.2022	13	18	47	15	17	20	49	10	20	15	45	12	19	15	42	13				
03.07.2022	20	16	42	13	13	18	47	13	13	11	48	17	12	19	47	19				
04.07.2022	18	13	44	17	10	16	40	18	17	16	43	10	14	38	13	13				
05.07.2022	13	16	42	19	15	20	37	12	13	18	38	19	19	14	40	16				
22.07.2022	17	18	40	15	14	14	44	14	14	11	42	14	18	12	35	11				
23.07.2022	12	14	44	17	19	12	42	19	20	16	40	12	20	16	44	16				
24.07.2022	14	20	32	13	12	15	40	17	16	14	36	16	13	12	46	10				
25.07.2022	19	12	34	10	18	13	36	13	19	10	39	14	18	15	34	12				

Annexure-6

13.08.2022	13	14	49	16	17	11	46	13	14	11	48	15	13	12	43	10
14.08.2022	16	12	47	14	20	13	41	11	17	16	40	13	10	15	48	13
15.08.2022	13	16	43	12	18	19	38	14	11	12	37	20	16	18	44	17
16.08.2022	11	13	40	10	13	16	42	16	18	16	50	15	12	14	39	10
26.08.2022	22	11	33	16	12	10	44	19	13	17	43	18	15	18	35	21
27.08.2022	18	13	40	15	20	14	42	19	16	13	48	14	16	10	32	11
28.08.2022	16	12	41	19	18	16	48	14	11	15	39	18	13	18	34	14
29.08.2022	14	15	39	18	14	15	42	15	15	14	49	17	18	14	38	22
10.09.2022	26	17	42	18	22	10	48	17	22	17	43	26	24	16	41	17
11.09.2022	22	12	37	12	20	14	45	15	15	22	48	19	22	19	44	13
12.09.2022	17	20	48	22	26	18	43	19	19	12	46	17	26	15	48	15
13.09.2022	13	15	43	17	19	16	38	13	17	19	37	14	15	18	37	11
24.09.2022	19	13	47	12	23	11	35	19	15	12	46	18	18	14	43	13
25.09.2022	21	19	45	20	19	13	39	12	20	23	48	14	21	19	46	16
26.09.2022	14	24	48	16	14	17	43	15	11	16	40	17	13	17	38	19
27.09.2022	18	15	36	13	19	21	39	18	13	18	46	19	18	14	32	13
<b>Average</b>	<b>16.48</b>	<b>15.48</b>	<b>45.88</b>	<b>15.65</b>	<b>16.19</b>	<b>15.48</b>	<b>46.08</b>	<b>15.83</b>	<b>15.69</b>	<b>15.42</b>	<b>46.67</b>	<b>16.00</b>	<b>16.00</b>	<b>15.58</b>	<b>46.21</b>	<b>15.04</b>
<b>NAAQS STD</b>	<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>	<b>80</b>	<b>80</b>	<b>100</b>	<b>60</b>

Ambient Air quality Monitoring data Apr 22- Sep 22



Rain Water Harvesting Pond and Catch drains at Mines and Cement Plant:



Dalmia Cement (Bharat) Ltd  
YADWAD  
591136  
Karnataka  
\* Tq: Gokak Dt: Belgaum \*





*Handwritten signature in blue ink.*





*Asha*







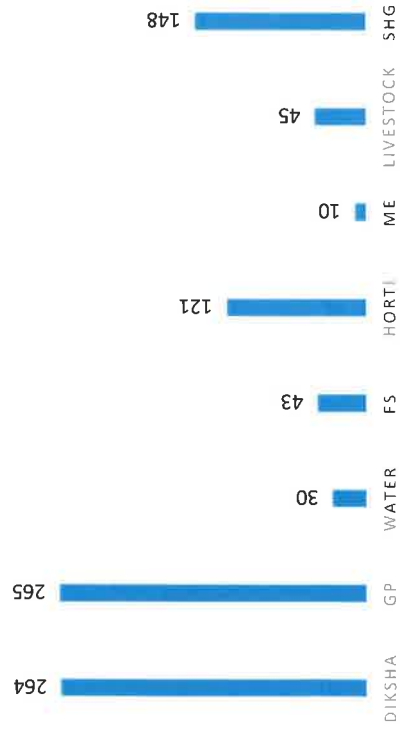
*Yadwad*



## Achievements vs Targets

Particulars	FY Target	Achieved as of 30 <sup>th</sup> Sep 2022	% of Ach as of 30 <sup>th</sup> Sep 2022
Sustainable Livelihood in nos	3000	925 (April to Sep)	30.83%
Water Harvesting / Conservation Vision 2025 in Lakh cum	Rs. 10314300/-	Rs. 2743687 /-	26.60%
Leverage in INR Lakhs	12,764,150/-	Rs. 6035186	47.28%

### OML DETAILS




## Key Highlights - Sustainable Livelihood

691 beneficiaries supported under OML mission against the target of 3000 beneficiaries. Including 30 trainees from DIKSHA

Rs.27.43 lakhs leveraged through various government schemes

70 farmers trained on Integrated crop and various Govt Schemes by Dept Officials and Progressive farmers

1200 Agro horticulture plants and 3100 plants have been distributed under bund plantation

## Key Highlights - Photographs



Rs.4.13LKH -1000 liter capacity RO plant is inaugurated Shri. Sarvaottam Jarakiholi Leader and Shri Mayank Kumar Pathak HR Head DCBL, at Yadwad Janta Plot.



## Key Highlights – Social Infrastructure



Health camp was conducted in collaboration with JGCO Hospital Ghataprabha. In the event 200 people got benefited



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# PHOTOGRAPHS



World environment day celebrated in Koppadatti Govt Higher primary school by planting the samplings. In the event school staff children and Dalmia cement officials were present. Total 112 students were present in the event



Conducted Malaria awareness program along with Health and Education Department at Koppadatti Govt. High School. 55 school children participated in the event



Facilitated in enrolling 30 members for Pradhan Mantri Shram Yogi Maandhan Yojana



## Activity Photos



Veterinary camp was conducted in collaboration with KMD dairy at Yadawad Basawanagar.  
204 castles were treated and 65 farmers got benefitted



Conducted 5 Farmers training at Hulakund under NABARD watershed programme



Observed Ozone day at Yadawad GNS school in the event 567 students were present



## Activity Photos



Conducted 2 nutrition camp at Yadwad village along ICDS and Health Department.

Conducted Dengue awareness programme at GNS schools along with health Department in the event 223 students were present.



distributed 150 flags to Manami village and Kunnal Government Higher Primary School. Conducted Rangoli competition at Government Higher Primary School Kunnal school children and distributed prizes for the winners





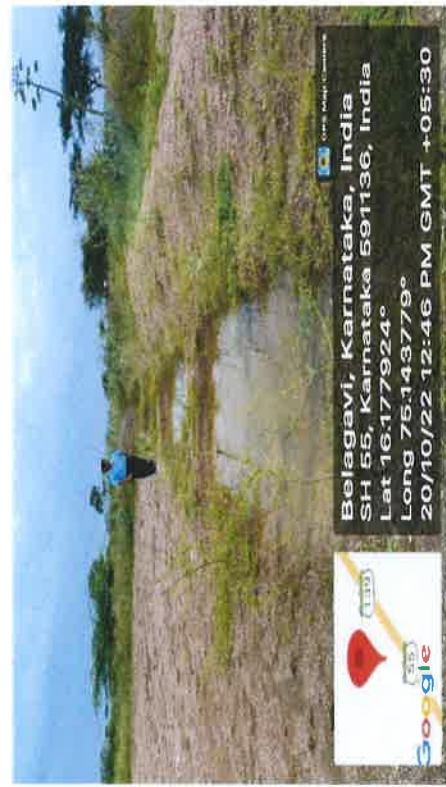
# Watershed programme photos



A handwritten signature in blue ink, likely belonging to a representative of Dalmia Cement (Bharat) Ltd.



**Watershed Activity Photos**



  
 Dalmia Cement (Bharat) Ltd., \*  
 YADWAD  
 591136  
 Karnataka

*[Handwritten signature]*

# DIKSHA Skill training activity Photos



A handwritten signature in blue ink, likely belonging to a representative of Dalmia Cement (Bharati) Ltd.

# Expenditure Details

- **Diksha Skill training center Belgaum:** 18 lakhs rupees spent for the office rent, staff salary and and other expenditures in last six months and trained 530 students.
- **Diksha Skill training center Yadwad:** Started new Assistant electrician new batch in September 8 yet to make of the first batch payment of 54000/- (for the course)
- **Event and Day Celebration:** Spent 20000/- Yet to make a payment ( it is under process).
- **Camps:** Organized general health and cattle camp spent- 20000/- yet to make payment.
- **Manami Watershed Programme:** Spent Rs. 11.82 lkhs for construction of check dam, trench cum bund, purchasing and distribution of samplings, stone outlet, form pond and training etc.



# Thank You



WORK PLACE NOISE LEVEL MONITORING																	
Sl.No	Code	Sampling Location	Unit	Apr-22		May-22		Jun-22		Jul-22		Aug-22		Sep-22			
				Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1	N1	At Packing plant-truck loading	dB	71.5	59.4	70.9	60.2	71.1	61.2	70.2	63.2	75.2	66.1	74.7	71.4	75.2	59.4
2	N2	At Cement mill	dB	73.7	68.2	72.4	67.4	70.4	68.5	69.7	67.5	67.5	58.7	73.5	72.6	73.7	58.7
3	N3	At CCR	dB	72.7	66.3	71.1	65.3	70.9	66.5	71.4	65.6	74.6	62.7	70.6	65.7	74.6	62.7
4	N4	At main gate Security office	dB	70.8	68.4	71.2	64.9	71.1	65.5	69.8	64.7	62.1	53.1	71.3	68.4	71.3	53.1
5	N5	At Clinker cooler	dB	68.9	65.6	67.4	64.5	68.1	65.6	70.2	66.2	69.7	57.6	74.6	70.3	74.6	57.6
6	N6	At Raw Mill	dB	71.5	67.8	70.8	66.7	71.4	67.8	71.7	68.7	74.3	63.8	73.0	69.9	74.3	63.8
7	N7	At Coal mill	dB	71.7	69.2	70.6	68.4	69.8	66.8	70.4	65.7	71.1	65.1	71.6	69.0	71.7	65.1
8	N8	At Health center	dB	72.5	67.4	71.2	66.6	70.4	66.8	69.7	67.2	59.8	50.9	69.0	65.2	72.5	50.9
9	N9	At CCR-CPP	dB	69.8	64.5	68.7	65.8	67.8	64.9	70.4	65.4	71.4	64.8	71.2	66.9	71.4	64.5
10	N10	At Turbine floor	dB	68.8	63.9	67.3	64.2	68.7	65.5	67.8	63.7	66.1	57.3	74.0	68.5	74.0	57.3
11	N11	At LS crusher	dB	70.8	67.4	71.1	67.8	70.8	68.7	71.2	67.7	67.9	58.4	73.0	68.2	73.0	58.4
12	N12	At Guest House	dB	72.5	66.5	70.8	66.7	70.1	67.1	70.4	67.8	66.8	56.8	71.9	68.9	72.5	56.8
13	N13	At Store	dB	71.4	64.5	70.7	65.7	69.7	66.5	68.7	65.6	70.1	59.9	68.3	63.7	71.4	59.9
14	N14	Near Packer-Packing Plant	dB	70.4	65.6	71.7	66.7	68.7	65.8	67.4	66.1	69.7	54.7	74.9	70.2	74.9	54.7
15	N15	At Mines office	dB	70.8	67.9	69.8	66.7	67.8	64.2	68.7	65.7	64.8	50.3	66.2	64.1	70.8	50.3
16	N16	Inside HEME equipment cabin	dB	68.9	66.2	67.4	65.3	66.7	65.4	67.8	64.3	71.4	55.6	65.0	63.1	71.4	55.6



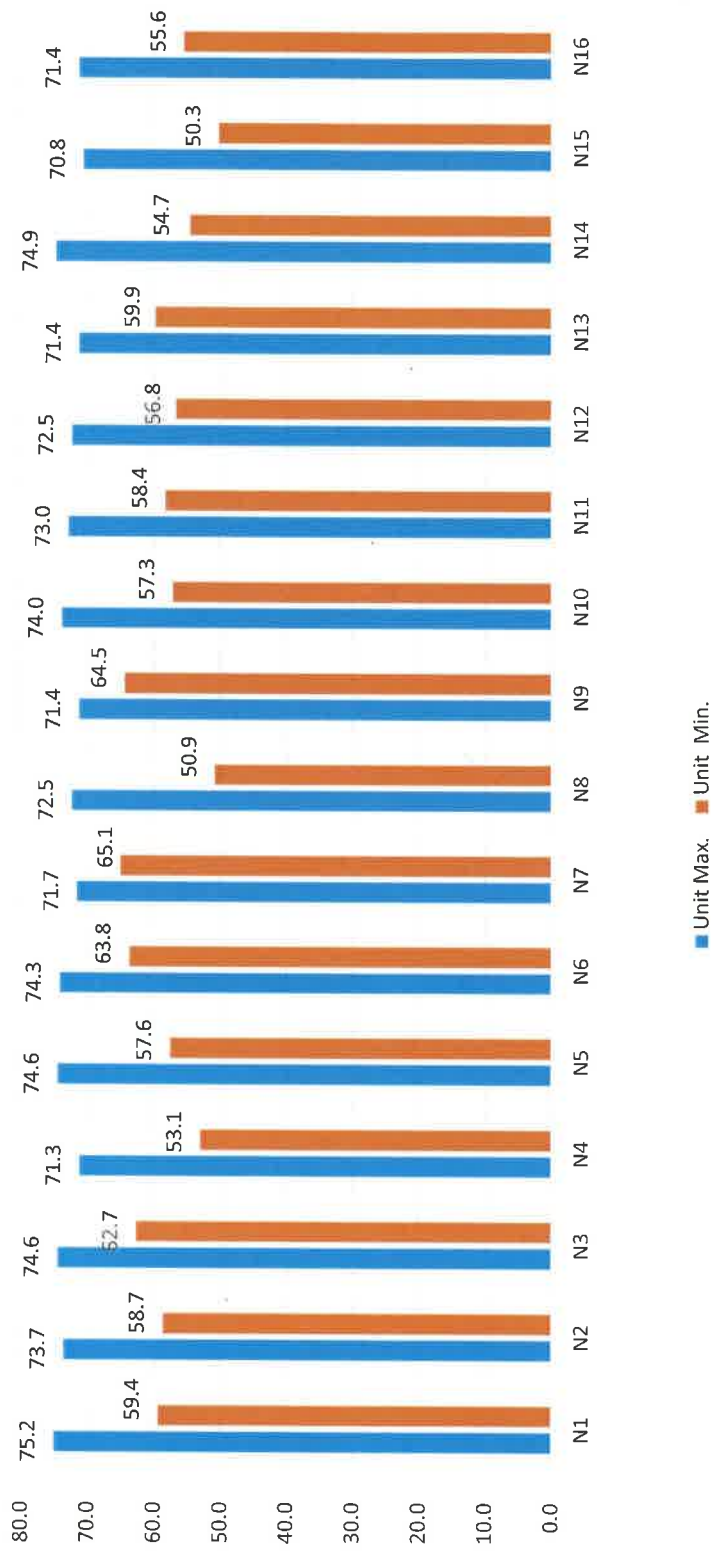
*(Signature)*

**AMBIENT NOISE LEVEL MONITORING**

Sl.No	Code	Sampling Location	Unit	Apr-22		May-22		Jun-22		Jul-22		Aug-22		Sep-22		Average	
				Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
1	N1	West side of Working Pit	dB	64.9	64.4	64.4	64.1	63.8	62.2	62.9	61.1	65.7	62.1	70.8	68.4	65.42	63.72
2	N2	South side of Working Pit	dB	68.3	65.5	68.3	63.5	68.1	64.5	64.4	62.5	65.5	63.2	68.3	65.4	67.15	64.10
3	N3	North side of Working Pit	dB	63.3	61.2	62.7	60.1	64.1	62.1	63.5	61.9	64.2	62.1	67.4	66.1	64.20	62.25
4	N4	East side of Working Pit	dB	57.2	56.4	58.4	57.2	59.1	58.3	59.8	57.2	65.2	53.2	59.6	57.2	59.88	56.58
5	N1	At Main Entrance gate	dB	64.8	62.9	65.2	63.1	64.9	62.9	64.1	61.8	63.4	62.1	64.5	63.2	64.48	62.67
6	N2	Yadwad village	dB	53.1	44.1	53.6	43.4	53.2	44.6	52.9	44.1	52.2	43.8	52.3	44.1	52.88	44.02
7	N3	Manami village	dB	54.1	43.5	54.3	44.8	52.5	42.5	53.1	43.5	52.6	42.9	53.1	43.4	53.28	43.44
8	N4	At Guest House	dB	54.1	44.3	53.4	44.1	51.8	43.8	52.4	43.7	52.1	42.9	53.4	43.1	52.87	43.65

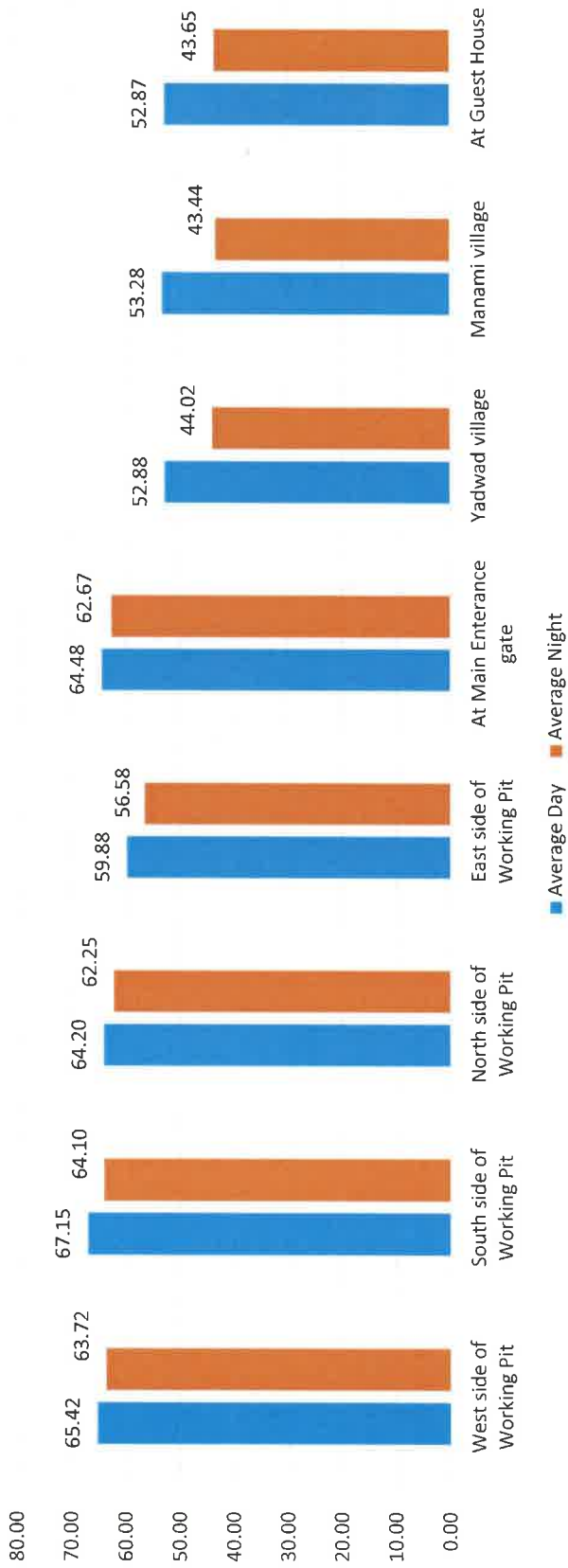


### work Place Noise Monitoring (Apr-Sep 22)





### Ambient Noise Level Monitoring



Awareness session on Nutrition to pregnant women and children at Anganwadi in Yadwad village.



## National nutrition week-shop floor employees



An awareness session was conducted for shop floor employees on consumption of economical, locally available food stuff and about balanced diet.



## National nutrition week-shop floor employees



A Free Holistic Health camp was conducted in Yadwad village in which specialist doctors form Allopathy like Surgeon, ENT, Ophthalmologist, Gynaecologist, Ayurdic, Homeopathic and Naturopathy doctors were present. More than 200 villagers got benefitted by this camp.



## World Hand Washing Day celebration.



An awareness session was conducted for shopfloor employees 6 steps of Hand washing. As most of the diseases which spreads though feco-oral route can be prevented by proper hand washing before food consumption and after using the wash room



## Capacity building for paramedical staff.



Our OHC staff nurse and ambulance drivers were given training on managing emergencies like **HEAD INJURY, SPINE INJURY, BIOMEDICAL WASTE HANDLING.**





# Annual Health check up for O&M associates.





# Calibration of Medical Equipments

Annually we are calibrating our medical equipments through a NABL, ISO accredited laboratory to ensure that the equipments are functioning accurately.

**TBS INDIA**  
TELEMATIC AND BIOMEDICAL SERVICES PVT. LTD.

**CERTIFICATE OF PERFORMANCE FOR VIGHING SCALE**

GROUP NO: 2408140001 (MAGNETIC) (METER)  
 MODEL NO: TBS-4000-1000 (METER)  
 MANUFACTURER: TELEMETRIC HEALTH CENTRE (METER)  
 REG. NO: 210719 (METER)  
 REG. NO: 200200 (METER)  
 MANUFACTURE: 200200 (METER)

**CALIBRATION STAN (METER)**

Sl. No.	Parameter	Unit	Set Value	Measured Value	Acceptable Range	Remarks
1	MEASUREMENT	mm	100	99.99	99.99 - 100.01	OK

Calibration Period:  YES  NO

Lab No: TBS-4000-1000

Calibration Date: 21/09/20

**TBS INDIA**  
TELEMATIC AND BIOMEDICAL SERVICES PVT. LTD.

**CERTIFICATE OF PERFORMANCE FOR SCALAPRICE**

GROUP NO: 2408140001 (MAGNETIC) (METER)  
 MODEL NO: TBS-4000-1000 (METER)  
 MANUFACTURER: TELEMETRIC HEALTH CENTRE (METER)  
 REG. NO: 210719 (METER)  
 REG. NO: 200200 (METER)  
 MANUFACTURE: 200200 (METER)

**CALIBRATION STAN (METER)**

Sl. No.	Parameter	Unit	Set Value	Measured Value	Acceptable Range	Remarks
1	MEASUREMENT	mm	100	99.99	99.99 - 100.01	OK

Calibration Period:  YES  NO

Lab No: TBS-4000-1000

Calibration Date: 21/09/20

**Thank You**



<b>Environmental recurring cost for FY 2022-23 (in Crores )</b>		
SI No.	Expenditure incurred	2022-2023
<b>Air</b>		
1	Spare Cost Bag filter Maintenance	0.7011
2	Electricity for bag filters & emission monitoring equipment.	2.6
3	Water Sprinkling hire/ Maintenance/Opr Wages	0.018
4.	Expenditure for Concreting of Road	1 .01
<b>Total recurrence cost for air in crores</b>		<b>4.32</b>
<b>water</b>		
4	STP Operation and Maintenance	0.0235
5	Storm water drain cleaning & Pound maintenance	---
6	ETP operation and Maintenance	0.025
<b>Total recurrence cost for water in crores</b>		<b>0.048</b>
<b>Environment monitoring</b>		
7	AMC of Opacity & CAAQMS	0.01971
8	Opacity monitor & AAQMS Maintenance & Spare	-----
9	Third party Monitoring	0.075
<b>Total recurrence for environment Monitoring</b>		<b>0.09471</b>
<b>Greenery Development</b>		
10	Greenery Development, maintenance including the Manpower	0.13

