

Ref: SJCPL /ENV /2023-24/01

Date: 25.11.2023

To
The Director
Ministry of Environment, Forest and Climate Change,
Integrated Regional Office,
Green House, Gopalareddy Road,
Vijayawada – 520010,
Andhra Pradesh

**Sub: Submission of half yearly Environmental Clearance point wise compliance report
For the period April– 2023 to September– 2023 for our Cement Plant – reg**


Ref: F.No. J-11011/450/2007-IA-II (I) dated: 24^h March 2008

Dear Sir,

We are herewith submitting half yearly Environmental Clearance point wise compliance status reports for the period of April– 2023 to September– 2023 for our Cement plant located at Yanakandla (V), Banaganapalle (M), Nandyal Dist., Andhra Pradesh.

Thanking You,

Yours faithfully,
For **Sree Jayajothi Cements Private Limited**


B.C. Gurivi Reddy
Sr. Vice President (works)



Half Yearly EC Compliance Report – [April– 2023 to September– 2023]
Cement Plant: F.No. J-11011/450/2007-IA-II (I) dated: 24^h March 2008.

A. SPECIFIC CONDITIONS:

S.No.	Specific conditions	Compliance status
i.	<p>Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided and particulate matter shall be controlled within 50mg/Nm³ by installing adequate air pollution control system e.g bag house to raw mill/ Kiln and ESP to clinker cooler. Bag filters shall be provided to crushing plant, Raw mill Hopper, Coal Mill Hopper, Coal Mill, blending silo, Cement mill, Cement Mill silo, Cement Mill hopper etc to control air emissions less than 50mg/Nm³.</p>	<p>Installed Online Continuous Monitoring System (OCEMS) for Stack attached to the Raw mill/Kiln Bag House, Coal Mill baghouse, Cooler ESP and Cement Mill baghouse. All OCEMS are connected to APPCB and CPCB server.</p> <p>Enclosed photographs of online monitoring systems as Annexure-I.</p> <p>Kiln Bag House designed & installed for PM emission below 30 mg/Nm³.</p> <p>Adequate air pollution control systems are provided as detailed below and PM emission is being maintained less than 30 mg/Nm³ as per GSR 612 (E) dated 25.08.2014, GSR 497(E) dated :10.05.2016</p> <p>Raw mill & Kilns : Pulse Jet Bag House Clinker Coolers : ESP Coal mill & Cement mills : Bag Filters Limestone Crusher : Bag Filters</p> <p>Stack Emission manual monitoring data April– 2023 to September– 2023 enclosed as Annexure-II. Data being submitted to MoEF & CC, RO, Chennai and APPCB on regular basis.</p>
ii.	<p>Secondary fugitive emissions shall be controlled and should be within the prescribed limits & regularly monitored. Guidelines /Code of practice issued by the CPCB in this regard shall be followed.</p>	<p>Cement Concrete (CC) roads are laid and housekeeping is being maintained to control secondary fugitive emissions.</p> <p>CPCB Environmental Guidelines for Prevention and Control of Fugitive Emissions from Cement Plants are being followed</p> <ul style="list-style-type: none"> • All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions. • Shed are provided for raw materials storage. Apart from this, Wind shelter fencing of 8 m (24 fts) height is constructed all around the raw materials storage yards. • Also we have provided atomized water sprinklers in coal yard, slag yard for dust suppression. • Dry fog system arranged at Lime Stone stacker to control fugitive dust emissions. • Fly ash handling by closed circuit pneumatic system. • All raw material transfer conveyors are covered with GI sheet. • Road sweepers & vacuum cleaner is deployed and good housekeeping is being maintained for controlling secondary fugitive dust emissions.

S.No.	Specific conditions	Compliance status
		<p>Fugitive dust monitoring is being carried out at 3 locations as per Fugitive Dust Monitoring Guideline on monthly basis through third party M/s. Lawn Enviro Associates, Hyderabad.</p> <p>Sampling duration : 4 hrs No. of Locations : 03</p> <ul style="list-style-type: none"> • Near Coal yard • Near Limestone stock pile • Near Slag storage area. <p>Monitoring data enclosed as Annexure-II.</p>
iii.	<p>The Company shall install adequate dust collection and extraction system to control fugitive dust emissions due to raw material handling (unloading, conveying, transporting, stacking), Vehicular movement, bagging & Packing areas etc. Closed conveyors shall be used for transportation for raw material and silos should be used for the storage of cement, clinker etc. The covered sheds for raw material storage, bag filter at material transfer points, water sprinkling in internal roads etc, shall be provided. Lime stone from lime stone mines shall be transported by closed trucks to cement plant. Water spray system shall be provided all around the coal stockpiles and dust suppression system around the coal conveyor system.</p>	<p>Adequate dust collection and extraction system are provided to control fugitive dust emissions.</p> <ul style="list-style-type: none"> • All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions. • Sheds are constructed for raw materials storage. • Limestone from the mines transported by closed conveyor. • We have provided 8 Mtrs (24 fts) height wind shelter fencing / wind breaking sheeting all four sides for raw materials storage yards. <p>Annexure-III.</p> <ul style="list-style-type: none"> • Wind shelter fencing control fugitive dust emission during handling and cross winds. • All raw material transfer conveyors are covered with GI sheet. • CC roads are laid and regular water sprinkling is carried-out to control secondary fugitive emissions. • Road sweeper is deployed and good housekeeping is being maintained for controlling secondary fugitive dust emissions. Photos enclosed as Annexure-III.
iv.	<p>Asphalting /Concreting of roads & water spray all around the coal stockpiles shall be carried out to control fugitive emissions.</p>	<p>Concrete road are laid within plant premises to control fugitive emissions.</p> <p>Regular water spray is being done around coal stockpile to control fugitive dust emissions.</p>
v.	<p>Total water requirement from Srisailem Right Bank Canal (SRBC) shall not exceed 1180m³/day. No ground water shall be used as proposed. All the wastewater shall be recycled / reused in the process, dust suppression, green belt development. Domestic effluent shall be treated in sewage treatment plant (STP). No wastewater shall be discharged outside the factory premises and Zero discharge shall be adopted.</p>	<p>Total Water requirement is met from Srisailem Right Bank Canal (SRBC) and Water consumption is maintained below 1180m³/day. No ground water is extracted.</p> <p>Cement manufacturing is dry process. No process wastewater is generated in cement manufacturing. Colony domestic wastewater is treated in STP and is utilized 100% for gardening purpose.</p>

S.No.	Specific conditions	Compliance status																														
vi.	Prior permission for the drawl of 1180 m3/day from Srisailem Right Bank Canal (SRBC) shall be obtained from the concerned Department.	Permission obtained for the drawl of water from SRBC / GNSS Flood flow Canal from the Irrigation & C.A.D (PW - Reforms) Department, Government of Andhra Pradesh vide G.O.Ms.No.11 dated 22.01.2018 valid for 5 years																														
vii.	All the cement dust collected from pollution control devices viz ESP, Bag house, Bag filter etc shall be recycled and reutilized in the process in cement manufacturing. STP sludge will be used as manure for the green belt development. Hazardous waste viz spent oil from gear box & automatic batteries etc shall be properly stored in a designated area and sold to authorized recyclers / re-processors.	Dust collected from Air Pollution Control Equipment's viz ESP, Bag house, Bag filter etc are being fully recycled and reused in the process in cement manufacturing. STP sludge is used as manure for the greenbelt development. Hazardous wastes like used oil from gear box and waste batteries are collected, stored in a designated area and sold to authorized recyclers.																														
viii.	An effort shall be made to use of high calorific hazardous waste in the cement kiln & necessary provisions should be made accordingly. Efforts shall also be made to use fly ash maximum in maxima Pozzolona Portland Cement, PPC.	Provision is made for utilization of high calorific hazardous waste in cement kiln. Regular permission for co-processing of HW has been obtained from APPCB. 9158.95MT of hazardous waste (organic solid waste) utilized in our kiln during the period of April-2023 to September-2023																														
ix.	As proposed in EIA/EMP, green belt shall be developed in at least 133 acres (33%) out of total 400 acres land available to control fugitive emissions in consultation with the local DFO as per the CPCB guidelines.	Greenbelt is developed in about 2.0 acres from April-2023 to Sept-2023 in and around cement plant premises. Year wise green belt details given below. Total 44% greenbelt has been developed from the total area. <table border="1" data-bbox="852 1350 1487 1969"> <thead> <tr> <th>Year</th> <th>No's of Saplings</th> <th>Area covered in Acres</th> </tr> </thead> <tbody> <tr> <td>2010-11</td> <td>2500</td> <td>8.5</td> </tr> <tr> <td>2011-12</td> <td>2500</td> <td>8.5</td> </tr> <tr> <td>2012-13</td> <td>4000</td> <td>13.3</td> </tr> <tr> <td>2013-14</td> <td>4000</td> <td>13.3</td> </tr> <tr> <td>2014-15</td> <td>11800</td> <td>24.5</td> </tr> <tr> <td>2015-16</td> <td>15000</td> <td>35</td> </tr> <tr> <td>2016-17</td> <td>8787</td> <td>24</td> </tr> <tr> <td>2017-18</td> <td>3871</td> <td>10</td> </tr> <tr> <td>2018-19</td> <td>6023</td> <td>09</td> </tr> </tbody> </table>	Year	No's of Saplings	Area covered in Acres	2010-11	2500	8.5	2011-12	2500	8.5	2012-13	4000	13.3	2013-14	4000	13.3	2014-15	11800	24.5	2015-16	15000	35	2016-17	8787	24	2017-18	3871	10	2018-19	6023	09
Year	No's of Saplings	Area covered in Acres																														
2010-11	2500	8.5																														
2011-12	2500	8.5																														
2012-13	4000	13.3																														
2013-14	4000	13.3																														
2014-15	11800	24.5																														
2015-16	15000	35																														
2016-17	8787	24																														
2017-18	3871	10																														
2018-19	6023	09																														

S.No.	Specific conditions	Compliance status		
		2019-20	5359	06
		2020-21	4168	05
		2021-22	4193	04
		2022-23	2665	03
		2023-24 up to Sep-23	1250	2.0
		Total	70496	163.0
x.	Recommendation of the State Forest Department regarding impact of proposed plant on surrounding reserve forests viz. Ramathirtham R.F (9.2 Km), Ramathirtam Ext .R.F(7.1 Km), Rangapuram Block -A R.F (9.0 Km), Rangapara, Block -B R.F (8.5 Km) and Ramavaram R.F(9.0 Km) shall be obtained & implemented. Further, Conservation Plan for the conservation of wild fauna in consultation with State Forest Department shall be prepared and implemented.	Complying all the EC and CTO conditions and compliance reports being submitted on half yearly basis.		
xi.	All the recommendations of the CREP guidelines for Cement Plants shall be strictly followed.	Recommendations made in the CREP are implemented. Compliance of the CREP recommendations enclosed as Annexure-V .		

B. GENERAL CONDITIONS:-

S.No.	General conditions	Compliance status
i.	The project authorities must strictly adhere to the stipulations made by APPCB and the State Govt.	Obtained CFO from APPCB under the Air & Water Act, Consent Order No :365874/APPCB/KNL/KNL/CTO&HWA/HO/2022 - Dated: 20/12/2022 valid up to 31.12.2027
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF & CC.	Environmental Clearance for expansion of clinker production from 1.8 MTPA to 2.2 MTPA obtained vide J-11011/21/2014-IA-II (I) dated: 28th April 2015.
iii.	The gaseous & particulate matter emissions from various units shall conform to the standards prescribed by the A.P Pollution Control Board. At no time the particulate emissions from the Cement Plant shall exceed 50mg/Nm ³ . Continuous monitoring for particulate emissions shall be carried out as per the recommendations of the CREP guidelines & data shall be submitted to the APPCB and CPCB regularly. Interlocking facility shall be provided in the pollution control equipment	Installed necessary APC equipment like High Efficiency Bag filters and ESP to control and keep the Particulate Matter Emission below 30 mg/Nm ³ . Necessary action has been taken to reduce the PM emission level below 30 mg/Nm ³ Installed online Continuous Monitoring System (CEMS) for Stack attached to the Raw mill/Kiln Bag House, Coal Mill baghouse, Cooler ESP and Cement Mill baghouse. All CEMS are connected to APPCB and CPCB server.

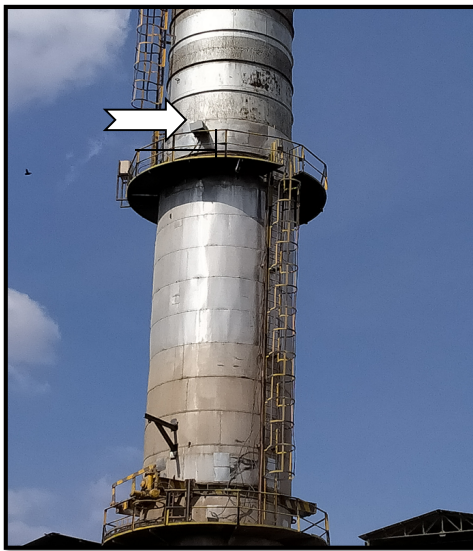
S.No.	General conditions	Compliance status
	so that in the event of the pollution control equipment not working, the respective unit(s) shall be shutdown automatically.	<p>The monitored data is uploading to the APPCB, CPCB and MoEF, RO regularly.</p> <p>Interlocking facility is provided in the Pollution Control Equipment so that in the event of the Pollution Control Equipment not working, the respective unit(s) will be shutdown automatically.</p>
iv.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentrations of PM10, PM2.5, SO2 & NOx are anticipated in consultation with SPCB. Data on ambient air quality & stack emissions shall be regularly submitted to this Ministry including its Regional Office at Chennai and SPCB/CPCB once in six months.	<p>Four number of manual Ambient air quality monitoring stations has been established in the downwind direction as well as where maximum ground level concentration pf PM10, PM2.5, SO2 & NOx are anticipated in consultation with SPCB. Ambient Air Quality Monitoring is being carried out on monthly basis through third party M/s. Lawn Enviro Associates, Hyd.</p> <p>No. of AAQ monitoring Location: 04</p> <p>Near factory main Gate Near Colony Near RO Plant Near Packing Plant</p> <p>AAQ monitoring data for period April-2023 to September-2023</p> <p>Enclosed as Annexure-II.</p> <p>Four continuous ambient air quality monitoring stations (CAAQMS) installed and connected to CPCB & APPCB server.</p> <p>Data on ambient air quality and stack emissions are being submitted to the Ministry including the Regional Office once in six months & APPCB monthly basis.</p>
v.	Industrial wastewater shall be properly collected treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1933 and 31st December, 1993 or as amended from time to time .The treated wastewater shall be utilized for plantation purpose.	<p>Cement manufacturing is dry process. No process wastewater is generated in cement manufacturing. Colony domestic wastewater is treated in STP and is utilized 100% for gardening purpose.</p>
vi.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods. Silencer enclosures etc. On all sources of noise generation .The ambient noise levels shall conform to the standards prescribed under Environmental (Protection Act 1935 Rules 1980 viz 75 dBA(day time) and 70 dBA night time.	<p>The Noise levels are being monitored at various working locations and is always below 85 dB (A). To control high noise levels acoustic enclosure are provided at various locations. Ambient noise levels are well within the prescribed standards under EPA.</p> <p>The ambient noise at boundary of cement plant are being maintained below 75 dBA (day time) and 70 dBA night time.</p> <p>Noise monitoring data enclosed as Annexure-II.</p>

S.No.	General conditions	Compliance status
vii.	Proper Housekeeping & Adequate occupational health programmes must be taken up. Occupational Health Surveillance Programme shall be done on a regular basis & records maintained .The Programme must include lung function & sputum analysis test once in six months.	Proper Housekeeping & adequate occupational health programmes are being taken up. Three manual floor sweeping machine are being used for housekeeping. Truck mounted vacuum cleaner, road sweepers and hand operated flipper machines were deployed and good housekeeping is being maintained. Occupational Health Surveillance Programme is being conducted on a regular basis & records maintained. The Programme includes lung function & sputum analysis test.
viii.	Proper rainwater harvesting measures shall be adopted & mine pit water shall be used for the various activities at the site.	Rain Water Harvesting & recharge structures constructed in & around the cement plant premises. All the storm water drains are connected to Rain Water Harvesting and recharge structures. Photographs enclosed as Annexure-IV.
ix.	The company shall undertake eco - development measures including community welfare measures in the project.	Need based assessment have been carried out in nearby villages and as per the study action plan is being executed. 2010-2014 CSR : Rs. 57.50 Lakhs 2014-2015 CSR : Rs. 84.00 Lakhs 2015-2016 CSR : RS. 65.00 Lakhs 2016-2017 CSR ; RS. 91.07 Lakhs 2017-2018 CSR : Rs. 27.49 Lakhs 2018-2019 CSR : Rs. 62.54 Lakhs 2019-2020 CSR : Rs. 72.80 Lakhs 2020-2021 CSR : RS 323.12 Lakhs 2021-2022 CSR : RS 113.24 Lakhs 2022-2023 CSR RS 124.95 Lakhs Some of the CSR carried out are as below. 1.Contribution for formation of internal CC roads with side drains and culverts in the villages of Yanakandla, Venkatapuram, Hussainapuram & Erragudi 2.Contributed towards CM Relief fund for COVID-19 3. Distribution of Essential Commodities in Surrounding villages of Banaganapalle Mandal. 4. Distributed to Collector, Kurnool for procuring Sanitizers, hand Gloves' & PPE Kits 5. Anganwadi Kendram Yanakandla.
x.	The project proponent shall also comply with all the environmental protection measures and safeguard recommended in the EIA/EMP report.	Being Complied
xi.	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a senior Executive, who will report directly to the Head of Organization.	A separate environmental management cell with suitable qualified person has been set-up under the control of a senior Executive, who is reporting directly to the Head of Organization.

S.No.	General conditions	Compliance status
xii.	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the MoEFCC as well as the State Government. An implementation schedule for implement all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Chennai. The funds so provided shall not be diverted for any other purposes.	The funds earmarked for environmental protection is not diverted for any other purposes. Capital Expenditure - Rs. 150.5 Lakhs spent for environmental protection measures. Recurring Expenditure - Rs.72.3 Lakhs for environmental protection measures for 2022-23
xiii.	The regional office of the Ministry at Bangalore CPCB/APSCB shall monitor stipulated conditions .A six months compliance report and monitoring data along with statistical interpretations should be submitted to them regularly	A six monthly compliance report is being submitted to the Ministry at Chennai regularly. Last six months half yearly EC compliance report for the period Oct -22 to Mar-23 submitted on 25.05.2023 to ecompliance-ap@gov.in as per MoEF Notification no. SO 5845(E)
xiv.	The Project Authorities should inform to the Regional office well ministry office the date of Final Closure and final approval of Project authority by the concern authority and the data of commencement and land development work	Final Closure and final approval of Project authority by the concern authority and the data of commencement and land development work was informed to the RO and Moef
xv.	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.	EC dt 28.04.2015 accorded for expansion of clinker production by modernization in existing cement plant. Plant commissioned after modernization in Sept 2015.

Annexure – I

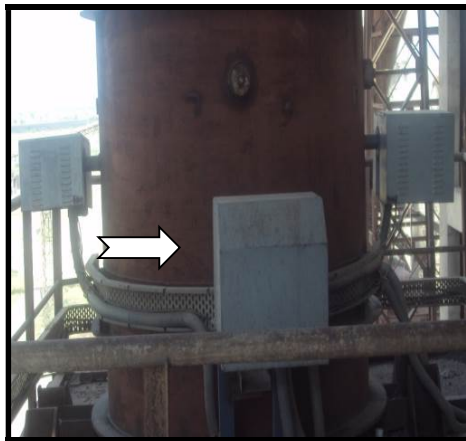
Photos of Continuous Emission Monitoring Systems



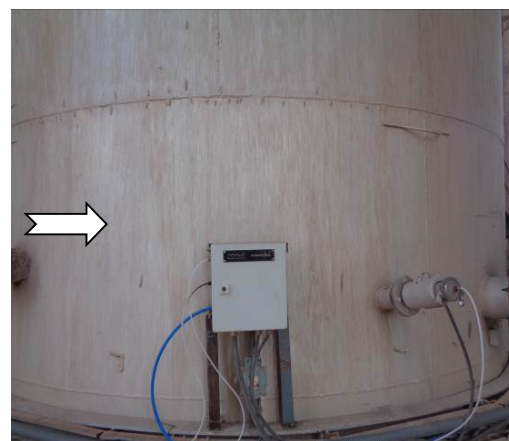
Cooler Stack



Coal Mill Stack



Cement Mill Stack



Kiln Stack

Annexure –II

Stack emission monitoring data (PM in mg/Nm³)

Stack Name	Parameter	Apr'23	May'23	June'23	July'23	Aug'23	Sept'23
Kiln Stack	SPM	16.2	14.8	15.9	17.2	14.4	16.2
	SO ₂	2.7	2.2	2.3	2.1	1.9	1.6
	NO _x	224.6	232.4	225.1	221.6	216.5	208.3
Coal Mill Stack	SPM	12.4	11.5	13.4	10.5	12.8	13.9
Cooler Stack	SPM	18.5	17.4	16.8	18.3	17.2	15.5
Cement Mill Stack	SPM	14.3	13.5	12.3	14.7	16.4	14.0
Lime Stone Crusher Stack	SPM	21.9	19.4	20.5	22.4	23.8	21.7

Ambient Air Quality Monitoring Data

PM10 ($\mu\text{g}/\text{m}^3$)	Apr'23	May'23	June'23	July'23	Aug'23	Sept'23
Cement Plant Main Gate	64.6	61.9	65.4	63.1	66.9	62.4
Near Colony	55.8	58.2	60.1	56.9	58.4	54.3
Near RO Plant	62.5	56.4	58.2	60.7	63.4	60.3
Near Packing Plant	68.4	71.2	68.3	66.8	69.5	66.8

PM2.5 ($\mu\text{g}/\text{m}^3$)	Apr'23	May'23	June'23	July'23	Aug'23	Sept'23
Cement Plant Main Gate	23.2	22.4	25.5	23.7	25.7	22.8
Near Colony	19.7	21.5	22.9	18.4	21.5	17.4
Near RO Plant	22.4	19.4	21.5	22.5	23.8	24.8
Near Packing Plant	25.7	28.4	26.9	25.6	27.6	26.7

SO2 ($\mu\text{g}/\text{m}^3$)	Apr'23	May'23	June'23	July'23	Aug'23	Sept'23
Cement Plant Main Gate	11.4	10.2	9.5	10.9	12.3	11.4
Near Colony	8.1	6.4	7.1	6.7	8.4	7.6
Near RO Plant	10.2	8.6	6.4	7.8	10.4	9.6
Near Packing Plant	13.2	12.5	11.7	12.3	13.2	10.4

Nox ($\mu\text{g}/\text{m}^3$)	Apr'23	May'23	June'23	July'23	Aug'23	Sept'23
Cement Plant Main Gate	23.1	21.8	19.3	22.8	24.8	25.6
Near Colony	19.2	16.3	18.5	16.2	18.7	19.2
Near RO Plant	20.8	18.3	16.3	17.4	22.5	20.7
Near Packing Plant	25.6	23.9	22.6	24.7	26.7	22.6

Noise Monitoring Data (Ldn)

Location	Apr'23	May'23	June'23	July'23	Aug'23	Sept'23
Near Packing plant	62.3	64.8	66.1	65.3	63.4	65.9
Near Cement Plant	64.9	65.5	67.4	64.1	62.7	61.7
Near CCR	53.2	56.2	57.6	56.9	57.8	54.4
Near Time Office	58.8	61.4	58.3	59.8	58.2	57.6
Near Main Gate	60.7	53.7	62.2	60.40	61.9	60.1
Near Temple	52.3	69.8	55.6	53.2	52.6	53.4
Near Raw Mill Area	67.6	58.4	71.7	69.7	68.5	67.4
Near Stores	61.4	58.4	61.8	58.6	59.8	56.6
Near Sub Station	59.9	60.9	62.2	61.9	60.2	59.7
Near Dispensary	56.6	55.8	53.9	54.8	56.7	55.8

Fugitive Dust Monitoring Data ($\mu\text{g}/\text{m}^3$)

Location	Apr'23	May'23	June'23	July'23	Aug'23	Sept'23
Near Coal Yard	1538	1648	1531	1420	1597	1516
Near Limestone Stock Pile	1257	1340	1425	1311	1460	1405
Near Slag Storage Area	835	964	812	736	878	962

Annexure –III



Road Sweeping Machine



Vacuum Cleaner



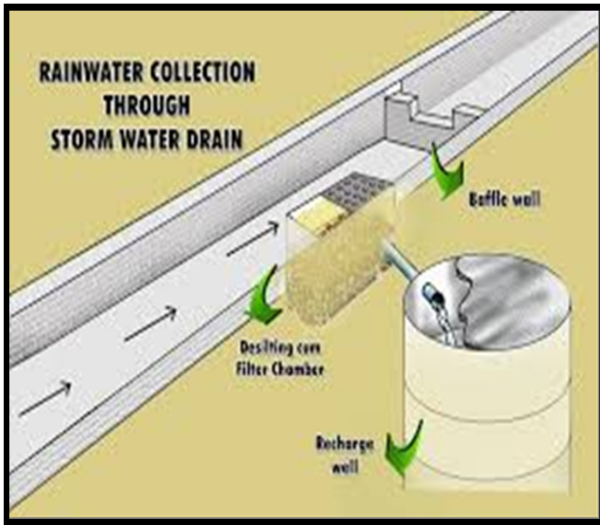
Floor Sweeping Machin

WIND SHELTER FENCING

Annexure –III



Annexure –IV



Rain Water Harvesting Structure

Annexure –V

**Compliance Report on
Corporate Responsibility for Environmental Protection (CREP)**

S. No	Condition	Compliance Status
1	Cement Plants, which are not complying with notified standards, shall do the following to meet the standards; Augmentation of existing Air Pollution Control Devices - by July 2003 Replacement of existing Air Pollution Control Devices - by July 2004	Complying with the new emission standards for PM, SO ₂ & NO _x notified by MoEFCC as per G.S.R 612 (E) dated 25.08.2014
2	Cement Plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/ Nm ³ limit or particulate matter by December 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm ³ .	Not applicable – Our cement plant is not located in critically polluted or urban areas
3	The new cement kilns to be accorded NOC/Environmental Clearance w.e.f 01.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions.	Kiln emission is control through high efficient pulsejet bag house to meet the standard of PM < 30 mg/Nm ³ .
4	CPCB will evolve load based standards by December 2003.	--
5	CPCB and NCBM will evolve SO ₂ and NO _x emission standards by June 2004.	Complying with the new emission standards for SO ₂ & NO _x notified by MoEFCC as per G.S.R 612 (E) dated 25.08.2014, GSR 497(E) dated :10.05.2016

S. No	Condition	Compliance Status
6	The Cement industries will control fugitive emissions from all the raw material and products storage and transfer points by December 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	<p>CPCB Environmental Guidelines for Prevention and Control of Fugitive Emissions from Cement Plants are being followed</p> <ul style="list-style-type: none"> All transfer points and storage silos are provided with dust collection and extraction systems for effective control of fugitive emissions. The dust collected from the pollution control equipment is being recycled back into the process. Clinker is being stored in clinker storage tank of capacity 50,000 tonnes to control fugitive emissions. Gypsum and additives are being stored in covered storage sheds with storage capacity of 5000 tonnes. Fly ash is being stored in silos with total capacity of about 5000 tonnes and pneumatic system for fly ash handling. Cement is being stored in silos with total capacity of about 60,000 tonnes All raw material transfer conveyor are covered with GI sheet. Truck mounted vacuum cleaner and road sweeper are deployed and good housekeeping is being maintain for controlling secondary fugitive dust emissions.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum cokes as fuel in cement kiln by July 2003.	-----
8	After performance evaluation of various types of continuous monitoring equipment and feedback from the industries and equipment manufacturers, NTF will decide feasible unit operations/ sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003.	<p>Continuous online emission monitoring equipment installed for 4 major stacks Online data is connected to CPCB & APPCB servers.</p> <ol style="list-style-type: none"> Kilns Bag house stack; Clinker Cooler ESP stack; Coal mill bag house stack; and Cement mill bag house stack.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendations of NTF.	Pulsejet Bag house is provided for all Kiln. No tripping is envisaged
10	Industries will submit the target date to enhance the utilization of waste material by April, 2003.	<p>Fly ash, gypsum and slag are being utilised in cement manufacturing process. Waste material utilized October-2022 to March-2023.</p> <p>Fly ash -159597.360 gypsum -47159.629 G.Slag -111692.196</p>
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by December 2003.	7493.72 MT of hazardous waste (organic solid waste) utilized in our kiln during the period of April-2022 to March-2023



Sree Jayajothi Cements Private Limited,
Yanakandla Village -518124,
Kurnool Dist, Andhra Pradesh



S. No	Condition	Compliance Status
12	Cement industries will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003.	We have installed and commissioned 7.5 MW WHRB power plant. Utilizing hot gases generated from kiln and Cooler.

Greenbelt Details

Greenbelt is developed in about 2.0 acres from April-2023 to Sept-2023 in and around cement plant premises. Year wise green belt details given below. Total 44% greenbelt has been developed from the total area.

Year	No's of Saplings	Area covered in Acres
2010-11	2500	8.5
2011-12	2500	8.5
2012-13	4000	13.3
2013-14	4000	13.3
2014-15	11800	24.5
2015-16	15000	35
2016-17	8787	24
2017-18	3871	10
2018-19	6023	09
2019-20	5359	06
2020-21	4168	05
2021-22	4193	04
2022-23	2665	03
2023-24 up to Sep-23	1250	2.0
Total	70496	163.0