

**Half Yearly Compliance Report****2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

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| <b>Proposal Name</b>                     | Cement Plant (3.2MTPA) at Yanakandla, Banaganapalli, Nandyal District (Erstwhile Kurnool District), Andhra Pradesh by Sree Jayajothi Cements Private Limited |                               |  |
| <b>Name of Entity / Corporate Office</b> | Sree Jayajothi Cements Private Limited   |                               |  |
| <b>Village(s)</b>                        | N/A  |                               |  |
| <b>District</b>                          | NANDYAL  |                               |  |
| <b>Proposal No.</b>                      | J-11011/450/2007-IA. II (I)  | <b>Category</b>               | Industrial Projects - 1                |
| <b>Plot / Survey / Khasra No.</b>        | N/A  | <b>Sub-District</b>           | N/A                                    |
| <b>State</b>                             | ANDHRA PRADESH   | <b>Entity's PAN</b>           | *****6460P                             |
| <b>MoEF File No.</b>                     | J-11011/450/2007-IA. II (I)  | <b>Entity name as per PAN</b> | SREE JAYAJOTHI CEMENTS PRIVATE LIMITED |

**Compliance Reporting Details**

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| <b>Reporting Year</b>   | 2024  |
| <b>Remarks (if any)</b> | Cement Plant EC compliance report for the period of April'24 to Sept'24 |
| <b>Reporting Period</b> | 01 Dec(01 Apr - 30 Sep)   |

**Details of Production and Project Area**

**Name of Entity / Corporate Office** Sree Jayajothi Cements Private Limited

|              | <b>Project Area as per EC Granted</b> | <b>Actual Project Area in Possession</b> |
|--------------|---------------------------------------|--|
| Private      | 67.580                                | 67.580                                   |
| Revenue Land | 0                                     | 0  |
| Forest       | 0                                     | 0  |
| Others       | 0                                     | 0  |
| <b>Total</b> | <b>67.58</b>                          | <b>67.58</b>                             |

**Production Capacity**

| Sr. no | Product Name | units                         | Valid Upto | Capacity | Production last year | Capacity as per CTO |
|--------|--------------|-------------------------------|------------|----------|----------------------|---------------------|
| 1      | Cement       | Million Tons per Annum (MTPA) | 31/12/2027 | 3.2      | 2.4073               | 3.2                 |
| 2      | Clinker      | Million Tons per Annum (MTPA) | 31/12/2027 | 2.2      | 1.7852               | 2.2                 |

## Conditions

### Specific Conditions

| Sr.No. | Condition Type       | Condition Details   |
|--------|----------------------|---|
| 1      | Statutory compliance | Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided and particulate matter shall be controlled within 50mg/Nm <sup>3</sup> 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/Nm <sup>3</sup> . |

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| <p><b>PPs Submission:</b> Being Complied</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. Enclosed photographs of online monitoring systems as Annexure I. Kiln Bag House designed and installed for PM emission below 30 mg/Nm<sup>3</sup>. Adequate air pollution control systems are provided as detailed Raw mill - Kilns : Pulse Jet Bag House Clinker Coolers : ESP Coal mill and Cement mills : Bag Filters Limestone Crusher : Bag Filters Stack Emission manual monitoring data April 2024 to September 2024 enclosed as Annexure-II. Data being submitted to MoEF and CC, RO, Chennai and APPCB on regular basis.</p> | Date:<br>02/11/2024 |
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| 2 | AIR QUALITY MONITORING AND PRESERVATION | 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 |
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| <p><b>PPs Submission:</b> Being Complied</p> <p>Cement Concrete (CC) roads are laid and housekeeping is being maintained to control secondary fugitive emissions. CPCB Environmental Guidelines for Prevention and Control of Fugitive Emissions from Cement Plants are being followed. 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 and vacuum cleaner is deployed and good housekeeping is being maintained for controlling secondary fugitive dust emissions. 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 Private Limited, Hyderabad.</p> | Date:<br>02/11/2024 |
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| 3 | AIR QUALITY MONITORING AND PRESERVATION | 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 |
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|  |   | 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><b>PPs Submission: Being Complied</b><br/>Adequate dust collection and extraction system are provided to control fugitive dust emissions. 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 are transported in closed conveyor. We have provided 8 Mtrs (24 fts) height wind shelter fencing / wind breaking sheeting all four sides for raw materials storage yards. Annexure-III. 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.</p> |   | Date:<br>02/11/2024  |
| 4  | AIR QUALITY MONITORING AND PRESERVATION   | Asphalting /Concreting of roads & water spray all around the coal stockpiles shall be carried out to control fugitive emissions.   |
| <p><b>PPs Submission: Being Complied</b><br/>Concrete road are laid within plant premises to control fugitive emissions. Regular water spray is being done round coal stockpile to control fugitive dust emissions.</p>  |   | Date:<br>02/11/2024  |
| 5  | WATER QUALITY MONITORING AND PRESERVATION | 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><b>PPs Submission: Being Complied</b><br/>Total Water requirement is met from Srisailem Right Bank Canal (SRBC) and water consumptions being maintained below 1180m3/day. No ground water is extracted. Month Plant Water consumption in KL Domestic Water consumption in KL Apr-24 10656 2156 May-24 8604 2252 Jun-24 9038 2104 Jul-24 10032 2225 Aug-24 14842 2153 Sep-24 16249 2015 Total 69421 12905 Cement manufacturing is dry process. No wastewater is generated from process in cement manufacturing. Colony domestic wastewater generated is treated in STP and is 100 percent utilized for gardening purpose.</p>  |   | Date:<br>02/11/2024  |
| 6  | WATER QUALITY MONITORING AND PRESERVATION | Prior permission for the drawl of 1180 m3/day from Srisailem Right Bank Canal (SRBC) shall be obtained from the concerned Department.  |
| <p><b>PPs Submission: Being Complied</b><br/>Permission obtained for the drawl of water from SRBC / GNSS Flood flow Canal from the Irrigation and C.A.D (PW - Reforms) Department, Government of Andhra Pradesh. Letter No: SE/SRBC/NDL/DB/TO/ATO/Jayajothi/179M dtd: 04.07.2023, Valid for 5 years.</p>   |   | Date:<br>02/11/2024  |
| 7  | AIR QUALITY MONITORING AND PRESERVATION   | 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        |

| <p><b>PPs Submission: Being Complied</b><br/>Dust collected from Air Pollution Control Equipments 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. Waste oil being used as alternative fuel in Cement Kiln. Batteries are sold to authorized recyclers / Re-processors only.</p>  |  | Date:<br>02/11/2024   |
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| 8  | ENERGY PRESERVATION MEASURES           | 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 Pozzolana Portland Cement, (PPC)   |
| <p><b>PPs Submission: Being Complied</b><br/>Provision is made in 2022 for utilization of high calorific hazardous waste in cement kiln. 11097.9 MT of hazardous waste Co-processed in cement kiln from April-2024 to September-2024 Year Hazardous Waste Co-processed (tonnes) 2022-23 7493.715 2023-24 19562.11 Total 27055.82 Year Flyash Utilization details ( tonnes ) 2021-22 192094.0 2022-23 276417.0 2023-24 373125.0 2024-25(Up to Sep) 192371.0 Total 1034007</p>   |  | Date:<br>07/11/2024   |
| 9  | GREENBELT                              | 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.  |
| <p><b>PPs Submission: Being Complied</b><br/>Total greenbelt developed 69.5284 ha. Greenbelt is developed in about 0.8 ha from April 2024 to September 2024 in and around cement plant premises. Year wise green belt details given below. Total 45 Percent greenbelt has been developed from the total area Year Nos of Saplings Area covered in Ha 2010-16 61815 51.3 2016-17 8787 4.04 2017-18 3071 3.636 2018-19 6023 2.424 2019-20 5359 2.02 2020-21 3702 1.616 2021-22 1300 1.616 2022-23 3293 1.212 2023-24 2621 0.808 2024-25 1365 0.808 Total 71971 69.5284</p> |  | Date:<br>07/11/2024   |
| 10   | Human Health Environment               | 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. |
| <p><b>PPs Submission: Being Complied</b><br/>Wildlife conservation plan prepared in consultation with AP State Forest Dept. Approved Wildlife conservation plan being implemented.</p>   |  | Date:<br>02/11/2024   |
| 11   | Corporate Environmental Responsibility | All the recommendations of the CREP guidelines for Cement Plants shall be strictly followed   |
| <p><b>PPs Submission: Being Complied</b><br/>Recommendations made in the CREP are implemented. Compliance of the CREP recommendations enclosed as Annexure-V.</p>  |  | Date:<br>02/11/2024   |
| <b>General Conditions</b>  |  |   |
| Sr.No.   | Condition Type                         | Condition Details   |
| 1  | Statutory compliance                   | The project authorities must strictly adhere to the stipulations made by APPCB and the State Govt.  |

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| <p><b>PPs Submission: Being Complied</b><br/> Obtained CFO from APPCB under the Air and Water Act, Consent Order No :365874/APPCB/KNL/KNL/CTO and HWA/HO/2022 -Dated: 20/12/2022 valid up to 31.12.2027</p>   |   | <p>Date:<br/>02/11/2024</p>  |
| 2   | <p><b>AIR QUALITY MONITORING AND PRESERVATION</b></p>   | <p>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 &amp; NOx are anticipated in consultation with SPCB. Data on ambient air quality &amp; stack emissions shall be regularly submitted to this Ministry including its Regional Office at Chennai and SPCB/CPCB once in six months.</p> |
| <p><b>PPs Submission: Being Complied</b><br/> 08 number of Ambient air quality monitoring stations had been established in core zone and buffer zone as per metrological data.. Ambient Air Quality Monitoring is being carried out on monthly basis through third party M/s. Lawn Enviro Private Limited, Hyd. AAQ monitoring data for period April 2024 to Sep 2024 Enclosed as Annexure-II. Four continuous ambient air quality monitoring stations (CAAQMS) installed and connected to CPCB and APPCB server. Data on ambient air quality and stack emissions are being submitted to the Ministry including the Regional Office once in six months and APPCB monthly basis.</p> |   | <p>Date:<br/>02/11/2024</p>  |
| 3   | <p><b>WATER QUALITY MONITORING AND PRESERVATION</b></p> | <p>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>  |
| <p><b>PPs Submission: Being Complied</b><br/> Cement manufacturing is dry process. No wastewater is generated form process in cement manufacturing.</p>   |   | <p>Date:<br/>02/11/2024</p>  |
| 4   | <p><b>Noise Monitoring &amp; Prevention</b></p>         | <p>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>        |
| <p><b>PPs Submission: Being Complied</b><br/> The Noise levels are being monitored at various working locations, levels are being maintained below 85 dB (A). As a control measures we are provided acoustic enclosure are provided at various locations like Compressor rooms, DG house. The ambient noise at boundary of cement plant are being monitored through accreted NABL Laboratory recognized by MOEF and CC. The Ambient noise levels are being maintained within the prescribed standards. Noise monitoring data enclosed as Annexure-II.</p>   |   | <p>Date:<br/>02/11/2024</p>  |
| 5   | <p><b>Statutory compliance</b></p>                      | <p>Proper Housekeeping &amp; Adequate occupational health programmer must be taken up. Occupational Health Surveillance Programme shall be done on a regular basis &amp; records maintained .The Programme must include lung function &amp; sputum analysis test once in six months.</p>   |
| <p><b>PPs Submission: Being Complied</b><br/> Truck mounted vacuum cleaner, road sweepers and hand operated flipper machines were deployed to maintain good housekeeping. Occupational Health Surveillance Programme is being conducted for contract workmen, employees once in years as per factories Act and records are being maintained. Medical health checkup had been conducted for contract workmen and employees through external agency of M/s. Aditya Diagnostics and Research Laboratory From.01.07.2024 to 05.07.2024.</p>   |   | <p>Date:<br/>02/11/2024</p>  |

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| 6  | WATER QUALITY MONITORING AND PRESERVATION | Proper rainwater harvesting measures shall be adopted & mine pit water shall be used for the various activities at the site.   |
| <b>PPs Submission: Being Complied</b><br>Provision made in Mine pit for Rain Water Harvesting with holding capacity of 3 Lakhs. Mine Pit water is being use in cement plant and WHRPP. Recharge structures constructed in and around the cement plant premises. Storm water drains are connected to Rain Water Harvesting and recharge structures. Photographs enclosed as Annexure-IV.  |   | Date: 07/11/2024   |
| 7  | Corporate Environmental Responsibility    | The company shall undertake eco - development measures including community welfare measures in the project.  |
| <b>PPs Submission: Being Complied</b><br>Need based assessment study carried out by carried by Dr.D.V.L.N.V. Prasada Rao, Functional Area Expert (FAE) - Socio-Economy, from B.S.Envi-Tech (P) Ltd in nearby villages. Measures are being executing as per needs in consultation with local panchayat / administration. Sl.No Years Amount (Lakhs) 1 2018-2019 62.54 2 2019-2020 72.80 3 2020-2021 323.12 4 2021-2022 113.24 5 2022-2023 124.95 6 2023-2024 97.87 7 2024-2025 7.50 (Apr 24- Sept 24) |   | Date: 19/11/2024   |
| 8  | Statutory compliance                      | The project proponent shall also comply with all the environmental protection measures and safeguard recommended in the EIA/EMP report.  |
| <b>PPs Submission: Being Complied</b><br>All recommendations and environmental measures made in the EIA/EMP has being Complied.  |   | Date: 02/11/2024   |
| 9  | Statutory compliance                      | 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  |
| <b>PPs Submission: Being Complied</b><br>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.   |   | Date: 02/11/2024   |
| 10   | Corporate Environmental Responsibility    | 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. |
| <b>PPs Submission: Being Complied</b><br>Separate funds are earmarked towards environmental protection control measures. Capital Expenditure - Rs. 200.0 Lakhs spent for environmental protection measures. Recurring Expenditure are given below Sl.No Years Amount (Lakhs) 1 2022-23 115.16 2 2023-24 176.80 3 2024-2025 (Apr 24- Sept 24) 80.27   |   | Date: 02/11/2024   |
| 11   | Statutory compliance                      | 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  |
| <b>PPs Submission: Being Complied</b><br>Reports are submitted /uploaded in Parivesh Portal as per MoEFCC OM dt 14.06.2022 and also to APPCB once in six months. Last six months half yearly EC compliance report for the period Oct-23 to Mar-24 submitted in Parivesh porta and also Reports has been sent to ecompliance-ap(at)gov.in on 17.05.2024.  |   | Date: 02/11/2024   |

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| 12  | Statutory compliance                    | 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  |
| <b>PPs Submission:</b> Complied<br>Commercial production was commenced with Cement plant capacity of clinker: 1.8 MTPA and Cement: 3.2 MTPA with reference to EC J-11011/450/2007-IA-II (I) dated: 24h March 2008.  |   | Date:<br>02/11/2024  |
| 13  | Statutory compliance                    | No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF & CC.   |
| <b>PPs Submission:</b> Being Complied<br>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.  |   | Date:<br>02/11/2024  |
| 14  | AIR QUALITY MONITORING AND PRESERVATION | 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 <sup>3</sup> . 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 so that in the event of the pollution control equipment not working, the respective unit(s) shall be shutdown automatically.                                       |
| <b>PPs Submission:</b> Being Complied<br>Installed necessary APC equipment like High Efficiency Bag filters and ESP to control and keep the Particulate Matter Emission below 30 mg/Nm <sup>3</sup> . Adequate air pollution control systems are provided as detailed : Raw mill and Kilns : Pulse Jet Bag House Clinker Coolers : ESP Coal mill and Cement mills : Bag Filters Limestone Crusher : Bag Filters 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. The monitored data is uploading to the APPCB, CPCB and MoEF, RO regularly. Interlocking facility is provided to the major Pollution Control Equipment circuit so that in the event of the Pollution Control Equipment not working, the respective unit(s) will be shutdown automatically. |   | Date:<br>02/11/2024  |
| 15  | MISCELLANEOUS                           | 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 A.P. 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 shall be advertised within seven days from the date of issue of the clearance letter at least in two local news papers 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 should be forwarded to the Regional office. |
| <b>PPs Submission:</b> Complied<br>Advertisement had been published in Eenadu (Telugu) New Paper and The New Indian Express (English) on 06.05.2015 ad been given in two new papers   |   | Date:<br>02/11/2024  |
| <b>Visit Remarks</b>  |   |  |
| <b>Last Site Visit Report Date:</b>   |   | N/A  |
| <b>Additional Remarks:</b>  |   | Cement Plant EC compliance (Oct'23 to Mar'24)  |
| <b>Note:</b> This acknowledgement is as per the details submitted by project proponent. In no way is this document to be  |   |  |

considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.