

**THE RAMCO CEMENTS LIMITED, VIZAG GRINDING UNIT
ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT
GRINDING UNIT 2.0 MTPA CEMENT**

EC Order No. : SEIAA/AP/IND/02/2018/5131695, dated 24.01.2019

| Sl. No | CONDITION | STATUS OF COMPLIANCE |
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| A. SPECIAL CONDITIONS: | | |
| 1. | The transportation of raw material and finished product through railways / water ways shall be more than 90% of the traffic. | Noted and will be complied accordingly. |
| 2. | The project proponent shall submit the certified EC compliance of the existing Plant from the MoEF&CC, Regional Office, Chennai | Submitted the same vide letter No. RCL/Vizag GU Expn/EC/38/2018-19 dated 2 nd January 2019. |
| B. | Specific Conditions: | |
| a) | Air Pollution: | |
| i. | The industry shall provide air pollution control equipment to control stack and fugitive emissions to meet the standards notified by MOEF / CPCB / APPCB | Air pollution control equipment are provided at all process equipment and all material transfer points. Air pollution control equipment will be provided at all process stacks as well as at all fugitive emission sources, for this proposal. |
| ii. | The industry shall arrange for acoustic barriers and locate roll mills and ball mills within those barriers. | The same will be arranged at the time of erection. |
| iii. | All the internal roads shall be paved CC or bitumen roads, adequate closed silos for storage of fly ash and clinker and covered shed for storage of gypsum shall be provided. | Around 5.6 km of internal roads are paved CC with bitumen top, till date. Adequate closed silos are designed to store fly ash and clinker and covered sheds for storage of gypsum. |
| iv. | The industry shall provide bag filters for cement grinding unit to meet SPM requirement of 30 mg/Nm ³ and at all transfer points. | All bag filters to control process emissions and fugitive emissions are designed for 30 mg/Nm ³ . |
| v. | The industry shall procure suitable road sweeping machine to maintain good housekeeping. | Road sweeping machine is being operated for maintain good housekeeping. |
| vi. | The industry shall install online continuous ambient air quality monitoring station. | 2 Nos. of online continuous ambient air quality monitoring stations are installed and data is being transmitted to APPCB & CPCB websites. |
| vii. | The industry shall install continuous stack monitoring for the cement mill grinding unit. | 2 Nos. of continuous stack monitoring equipment are installed and data is being transmitted to APPCB & CPCB websites |
| viii. | Sampling Port with removable dummy of not less than 15 cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc., shall be provided to monitor stack emissions. | Placed for the existing stacks and will be erected for the present proposal stacks. |
| ix. | Ambient air quality including ambient noise levels must 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 APPCB and report submitted to the Board and to the Ministry's Regional Office at Chennai half yearly. | Is being followed. Monitoring of ambient air quality and stack emissions is being carried out regularly in consultation with APPCB and reports are being submitted to the Board and to the Ministry's Regional Office at Chennai on half-yearly basis. |
| x. | Raw materials and products shall be transported in covered trucks. Storage of raw material shall be in roof sheds. Water spray system shall be provided all around the stockpiles and dust suppression system around the conveyor system. All the conveyor belts shall be covered with GI sheets. All the roads in the plant area shall be asphalted / concreted and water sprayed to reduce the fugitive dust emissions. | Raw materials and products are being transported in covered wagons / covered trucks. Storage of raw materials are being be in silos / roof sheds. Water spray is being done by mobile tanker. All the conveyor belts are covered with GI sheets and will be followed for the present proposal. Around 5.6 km of internal roads are paved CC with bitumen top, till date and water is being sprayed to reduce the fugitive dust emissions. |

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| xi. | In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage / raw materials handlings etc., shall be provided. Further, specific measures like provision of adequate dust suppression & extraction system consisting of water sprinkling, suction hoods, fans and bag filters etc., shall be installed at material transfer points, and other raw material handling areas. Fugitive emissions shall be regularly monitored and records maintained. | In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage / raw materials handlings etc., are being provided. Further, specific measures like provision of adequate extraction system consisting of suction hoods, fans and bag filters etc., are installed at material transfer points & other raw material handling areas and will be installed for the present proposal. |
| xii | Interlocking facility should be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the feeding of raw materials is stopped automatically. | Interlocking facility is provided in the pollution control equipment so that in the event of the pollution control equipment not working, the feeding of raw materials will get stopped automatically, in phased manner. The same will be installed for the present proposal. |
| b) | Water Pollution: | |
| i. | The source of water is Bore well. The total additional water requirement for expansion is 34 KLD. Out of that water for equipment cooling is 30 KLD, and domestic is 4 KLD. The domestic sewage generation is 3.5 KLD is to be disposed into Septic tank followed by dispersion trench. | Noted and will be complied. |
| ii. | The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water. | 12 Nos. of rainwater harvesting pits are made to harvest the rainwater from rooftops. 2 Nos. of ponds of 20000 cu m and 10000 cu m respectively are made within the premises to recharge the ground water. |
| c) | Solid Waste: | |
| i. | Dust generated from the Bag filters shall be completely recycled. Waste oils & used oils generated from the plant shall be dispersed as per the Hazardous Waste (Management and Handling) transboundary rules and its amendments thereof to the recyclers authorized by APPCB. | Dust generated from the Bag filters is being completely recycled. The same will be system will be installed for the present proposal. Waste oils & used oils generated from the plant are being dispersed as per the Hazardous Waste (Management and Handling) Transboundary Rules and its amendments thereof to the recyclers authorized by APPCB. |
| B. | General Conditions: | |
| i. | This order is valid for a period of 7 years. | Noted. This is part of CFE application. |
| ii. | 'Consent for Establishment' shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site. | Noted. This is part of CFE application. |
| iii. | Provision shall be made for the housing of the construction labor within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured. | Noted. |
| iv. | No change in the process technology and scope of working should be made without prior approval of the SEIAA, AP. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, AP / MoE&F, Gol, New Delhi, as applicable. | Noted and will be followed, accordingly. |

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| v | The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions including results of monitored data on their websites and shall update the same periodically. | Being submitting six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office, Ministry of Environment & Forests, Chennai; SEIAA, A.P. and A.P. Pollution Control Board, Visakhapatnam. Being uploading the status of compliance of the environmental clearance conditions including results of monitored data on our company's website and being updated periodically. |
| vi | Four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for monitoring. Locations of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. | Four ambient air quality monitoring stations are established in the core zone for monitoring. Locations of the stations are decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets. Monthly monitoring is being done in consultation with the State Pollution Control Board for core zone locations. |
| vii | Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board / Central Pollution Control Board once in six months. | Data on ambient air quality should be regularly submitted to the Regional Office, Ministry of Environment & Forests, Chennai; SEIAA, A.P. and AP Pollution Control Board, Visakhapatnam once in six months. |
| viii | Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. | Personnel working in dusty areas are being wearing protective respiratory devices. Adequate training and information on safety and health aspects is being inculcated. |
| ix | Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. | Occupational health surveillance program of the workers is being undertaken periodically to observe any contractions due to exposure to dust and take corrective measures will be initiated, if needed. |
| x | 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 the Organization. | A separate environmental management cell with suitable qualified personnel is set up under the control of a Sr. Manager (P&QC), who is reporting directly to the Head of the Organization (Vice President – Mfg.). |
| xi | The funds earmarked for environmental protection measures (Capital cost of Rs. 4.5 crores & Recurring cost of Rs. 5.0 lakhs / annum); should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai. | With respect to the present proposal, the funds earmarked for environmental protection measures (Capital cost of Rs. 4.5 crores & Recurring cost of Rs. 5.0 lakhs / annum) are kept in separate account and will not be diverted for other purpose. With respect to the present operating plant, year wise expenditure is being reported to the Regional Office, Ministry of Environment & Forests, Chennai, along with half-yearly compliance reports. |
| xii | At least 2% of the total project cost shall be allocated for corporate environment responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF & CC's office memorandum No.F.No.22-65/2017-IA.III dated 01.05.2018 and submit to the SEIAA,A.P and ministry's Regional Office, Chennai. | Noted and will be allocated for CER fund. Time bound action will be submitted, in consultation with local authorities. |

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| xiii | The Regional office of MOEF&CC located at Chennai / the SEIAA, Andhra Pradesh through the Regional offices of Andhra Pradesh Pollution control board shall, monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports. | Noted. |
| xiv | The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies i.e., Panchayats /Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. | We received the EC order on 11.02.2019. Submitted the copies of the environmental clearance to the Panchayats on 19.02.2019. |
| xv | The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, AP. This order shall be displayed in the website of the project proponent. | Advertisement given in 3 Nos. of local newspapers (Deccan Chronicle – English and Sakshi & Eenadu – Telugu) on 19.02.2019. The same is communicated vide Lr. No. VGP/SEIAA/14/2018-19 dated 19.02.2019. This clearance order is displayed in the company's website. |
| xvi | Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010. | Noted. |
| xvii | The company shall undertake eco-development measures including community welfare measures in the project area. | Noted and will be complied. |
| xviii | The proponent shall obtain all other mandatory clearances from respective departments. | Noted. This is part of CFE application. |
| xix | Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986. | Noted. |
| xx | The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter / modify the above conditions or stipulate any further condition in the interest of environment protection. | Noted. |
| xxi | The above conditions will be enforced inter-alia, under the provisions of the Water (Protection & Control of Pollution) Act, 1974, the Air (Protection & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and Public Liability Insurance Act, 1991 along with their amendments and rules. | Noted. |