



**THE RAMCO CEMENTS LIMITED**

(Formerly Madras Cements Ltd.)

VGP/SEIAA/ /2017-18

Cement Grinding Unit  
Gobburu & Gobburupalem Village, A.S. Peta Post  
Yelamanchili (via), Kasimkota Mandal  
Visakhapatnam District, Andhra Pradesh, Pin: 531 055  
Ph: 99593 66166 / 99593 66011  
Website: www.ramcocements.in  
Corporate Identity Number: L26941TN1957PLC003566

25<sup>th</sup> May, 2017

The Additional Principal Chief Conservator of Forests,  
The Ministry of Environment and Forests,  
Regional Office (Southern Zone),  
No. 34, Cathedral Garden Road,  
Nungambakkam, CHENNAI – 600 034.

Dear Sir,

Sub: Submission of half yearly Compliance Report for Environmental Clearance for the period October'16 to March'17 - Reg.  
Ref: Environmental Clearance Lr. No. SEIAA/AP/VSP-86/2013-661 dated 03.05.2013.

We herewith submit the half yearly Compliance Report for the above cited Environmental Clearance letter issued for our Cement Grinding Unit for the period October 2016 to March 2017 along with relevant enclosures.


Name, designation and contact details of person in-charge of environmental division are:

Meenashi Sundaram R  
Sr. General Manager (Works)  
Phone: 7299973032  
E-mail: [rms@ramcocements.co.in](mailto:rms@ramcocements.co.in)

This is for your kind information and perusal please.

Thanking you,

Yours faithfully,  
For The Ramco Cements Limited,

  
Meenashi Sundaram R  
Sr. General Manager (Works)

Encl: As above.

CC to State Level Environment Impact Assessment Authority (SEIAA),  
Paryavaran Bhavan,  
A-3, Industrial Estate,  
Sanathnagar,  
Hyderabad - 500 018.

Registered Office: Ramamandram, Rajapalayam - 625 117, Tamil Nadu.  
Corporate Office: Auras Corporate Centre, V Floor, 99-A, Dr. Radhakrishnan Salai, Mylapore, Chennai - 600 004.

**THE RAMCO CEMENTS LIMITED, VIZAG GRINDING UNIT  
ENVIRONMENTAL CLEARANCE COMPLIANCE REPORT  
GRINDING UNIT - 0.95 MILLION TPA CEMENT**

EC Order No. : SEIAA/AP/VSP- 86/2013, dated 03.05.2013  
Period : October 2016 to March 2017

Sl. No	CONDITION	STATUS OF COMPLIANCE
<b>A. SPECIFIC CONDITIONS:</b>		
<b>a) Air pollution:</b>		
i.	Separate stacks each of height 60 m & 45 m shall be provided to Cement Mill & Packing Dept., respectively. The particulate emissions from the plant shall not exceed 50 mg/Nm <sup>3</sup> at any time. Bag filters shall be provided to control emissions. The DG sets shall be provided with a stack of height 46 m, as committed in the presentation.	Total 33 Nos. of air pollution control systems to control the fugitive dust emissions at various transfer points, raw material handling, bagging, packing, parking areas, etc All the air pollution control equipment are designed for latest particular emission standard of 30 mg/Nm <sup>3</sup> . Bag filters are provided to control fugitive emissions at all material transfer points. Stacks of 60 m and 45 m are provided for Cement Mill & Packing Plant as proposed. 46 m height stack is attached to DG sets.
ii.	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.	Sampling ports provided accordingly.
iii.	Online ambient air quality monitoring stations shall be installed. Energy meters shall be installed for all pollution control systems.	Two number of Online Ambient Air Quality monitoring stations has been installed at near main gate & near railway siding in consultation with APPCB. Separate energy meter has been installed to record the energy consumption for all major pollution control equipment.
iv.	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 Bangalore half yearly.	2 Nos. of CAAQM stations installed at near main gate & near railway siding in consultation with APPCB and regular manual monitoring is also being done through an approved external agency. In addition to this, 2 Nos. of online real time Continuous Stack Emission Monitors at cement mill & main bag house installed. Online monitoring data (stack & ambient air quality) is being transmitted to APPCB & CPCB servers regularly. Ambient air quality and stack emission level monitoring data are regularly submitted every month to APPCB and MoEF&CC, RO once in six months. Ambient noise levels are being monitored at 6 locations regularly on quarterly basis and the noise levels are within the prescribed limits as per the reports. Monitoring data for the period October 2016 to March 2017 is enclosed as <b>Annexure – I</b> .
v.	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 through covered trucks / closed wagons. Clinker and Fly Ash are being stored in silos. Gypsum and Slag are being stored in covered sheds. Water spraying is carrying out all around the stockpiles and dust suppression system around the conveyor system. All the conveyor belts are covered with GI sheets. Black topping of all the internal roads in the plant area completed and water spraying is done to reduce the fugitive dust emissions.

Sl. No	CONDITION	STATUS OF COMPLIANCE
vi.	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.	Bag filters are installed at all material transfer points and other raw material handling areas. Specific measures like provision of adequate dust suppression & extraction system, suction hoods, fans and bag filters etc., are installed at material transfer points and other raw material handling areas.
viii.	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 facilities are provided to the pollution control equipment so that in the event of the pollution control equipment not working, the feeding of raw materials gets stopped automatically.
viii.	The project proponent shall develop a thick greenbelt of width 10 m along the boundary & at vacant places in the plant, with appropriate species to suppress any dust emissions in consultation with the local DFO. The area of the greenbelt shall not be less than 15.58 Ha.	14250 Nos. of plants planted by the end of March 2017 covering 11 ha (23 % of total area).
<b>b) Water Pollution:</b>		
i.	The source of water is Bore well. The total water requirement shall not exceed 100 kLD. Out of that 60 kLD is utilized for equipment cooling; 5.0 kLD for Dust suppression; 20 kLD for development of greenbelt and 15 kLD is utilized for domestic purpose. No effluent shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Waste water generated from Domestic section of shall be sent to Septic tank followed by dispersion trench.	The source of water is bore wells. As conservative measure, the total water requirement is 96 kLD, with the following composition: • Equipment cooling, dust suppression and greenbelt – 81 kLD • Domestic - 15 kLD As cement manufacturing is dry process, 'zero' discharge is being adhered to. Domestic sewage is being treated in Septic tank followed by dispersion trench.
ii.	The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.	12 Nos. of rain water harvesting pits constructed by the end of March 2017.
<b>c) Solid Waste:</b>		
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 into the respective system. Waste oils & used oils generated from the plant is being stored in secured way and will be dispersed as per the Hazardous Waste (Management and Handling) transboundary rules and its amendments thereof to the recyclers authorized by APPCB.
<b>B. General Conditions:</b>		
i.	This order is valid for a period of 5 years.	Noted. Obtained Consent for Operation (CFO) and its renewal from Andhra Pradesh Pollution Control Board vide their letter No. APPCB/VSP/VSP/312/CFO/ HO/2016- dated 24.02.2016 valid up to 28.02.2021.
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.	Andhra Pradesh Pollution Control Board accorded Consent for Establishment vide letter No. 312/PCB/CFE/RO-VSP/HO/2013-2213 dated 08.07.2013.

Sl. No	CONDITION	STATUS OF COMPLIANCE
iii.	Provision shall be made for the housing of the construction labour 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.	Provision was made for the housing of the construction labour with all necessary amenities. Presently, it is not applicable as the construction activity completed.
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.	No change in the process technology and scope of working will be made without prior approval of the SEIAA, AP. Prior approval of the SEIAA, AP / MoE&F&CC, Gol, New Delhi, as applicable will be made for further expansion or modifications in the plant.
v.	The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; and CCF, Regional Office of MoE&F, Gol, Bangalore on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	This half-yearly compliance report in respect of the terms and conditions stipulated in this order in hard and soft copies is being submitted as part of this condition, to the SEIAA and CCF, Regional Office of MoE&F&CC, Gol, Chennai within the time frame.
vi.	Officials from the Regional Office of MoE&F, Bangalore who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documentation / data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MoE&F, Bangalore.	Necessary co-operation will be extended to the Officials from the Regional Office of MoE&F&CC, Chennai who would be monitoring the implementation of environmental safeguards. All necessary documents will be submitted to the CCF, Regional Office to MoE&F&CC, Chennai upon request.
vii.	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.	Ambient air quality monitoring is being carried out accordingly. 4 Nos. of ambient air quality monitoring stations are established based on the meteorological data. Monitoring is being undertaken in consultation with the State Pollution Control Board by portable monitoring equipment by MoE&F&CC approved external agency.
viii.	Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.	Ambient air quality monitoring is being carried out by portable monitoring equipment by MoE&F&CC approved external agency. Compiled data for the period October 2016 to March 2017 is enclosed as <b>Annexure – I</b> .
ix.	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.	Personal protective respiratory devices are being issued to the personnel working in dusty areas are being ensured to wear. Adequate training and information on safety and health aspects is being imparted to them.
x.	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.	Initial occupational health status is carried out for all employees at the time of recruitment and occupational health surveillance programme of the workers will be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
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 the Organization.	A separate environmental management cell with suitable qualified personnel is already set up under the control of a Senior Executive, who reports directly to the Head of the Organization.

Sl. No	CONDITION	STATUS OF COMPLIANCE
xii.	The funds earmarked for environmental protection measures (Capital cost of Rs. 4.5 crores & Recurring cost of Rs. 5.0 lakhs / annum); & CSR activities (Rs. 20.0 lakhs), as committed in presentation 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 Bangalore.	The funds earmarked for environmental protection measures (capital cost of Rs. 4.5 crores & recurring cost of Rs. 5.0 lakhs / annum); & CSR activities (Rs. 20.0 lakhs), are kept in separate account and are not get diverted for other purpose. Year wise recurring & capital expenditure are being reported to the Ministry and its Regional Office located at Chennai along with half yearly compliance reports. The details of these for the financial year 2016-17 are enclosed as Annexure - II. Annual expenditure details on various socio-economic activities carried out in the nearby vicinity of the plant are being submitted on regular basis along with half yearly compliance reports. The CSR details for the financial year 2016-17 are enclosed as <b>Annexure - III</b> .
xiii.	The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and 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.	Complied with.
xiv.	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.	Complied
xv.	The SEIAA or any other competent authority may alter / modify the above conditions or stipulate any further condition in the interest of environment protection.	Complied with.
xvi.	The company shall undertake eco-development measures including community welfare measures in the project area.	Being done eco-development measures including community welfare measures in the project area.
xvii.	The proponent shall obtain all other mandatory clearances from respective departments.	All other necessary mandatory clearances from respective departments are obtained
xviii.	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No. 460 of 2004 as may be applicable to this project.	Noted.
xix.	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.
xx.	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.
xxi.	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.

Sl. No	CONDITION	STATUS OF COMPLIANCE
xxii.	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.

**THE RAMCO CEMENTS LIMITED, GOBBURUPALEM**  
**NOISE LEVEL DATA**  
**PERIOD - October 2016 - March 2017**

*Annexure-1*

Month	Cement Mill area		PSC Silo area		DG set area		PPC Silo area		Guest House area		Security gate	
	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time
Oct-16	71.5	66.1	69.7	64.8	72.1	68.6	67.8	65.1	64.9	59.7	67.2	62.5
Nov-16	71.5	66.1	69.7	64.8	72.1	68.6	67.8	65.1	64.9	59.7	67.2	62.5
Dec-16	71.8	66.5	69.9	65.2	72.5	68.8	67.6	65.6	64.3	59.9	67.0	62.2
Jan-17	72.1	68.4	72.6	69.3	71.8	68.7	69.5	65.2	66.1	62.4	68.3	65.5
Feb-17	72.8	65.2	73.1	67.6	73.6	69.1	69.7	64.7	65.2	60.1	67.6	63.5
Mar-17	73.1	62.9	72.6	68.1	73.5	68.4	68.9	62.6	66.7	59.1	68.4	62.7

Note: All values are expressed as dB(A).





**THE RAMCO CEMENTS LIMITED, GOBBURUPALEM**  
**STACK MONITORING DATA**  
**PERIOD - October 2016 - March 2017**

*Annexure-1*

S. No	Stack Attached to	SPM Concentration, mg/Nm <sup>3</sup>						Average
		Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	
1	Cement Mill Vent Bag Filter	21	19	17	21	23	25	21.0
2	Separator Vent Bag Filter	16	18	20	17	16	18	17.5

Annexure II

**THE RAMCO CEMENTS LIMITED, GOBBURUPALEM**  
**DETAILS OF ENVIRONMENTAL PROTECTION ACCOUNT - FINANCIAL YEAR 2016-17**

Description	Amount, Rs.
Recurring Cost	
Electrical units for operation of PCE	37133291
BF Maintenance	900776
Road sweeper operating cost	151093
Environmental Monitoring Charges - Plant	90000
Plantation	1651882
Air Pollution Control Equipments Modifications / bags replacement	8896
Floor Sweeping machine	86508
<b>Total (Rs.)</b>	<b>39935938</b>
Capital Cost	
Road sweeper cost	1950750
<b>Total (Rs.)</b>	<b>1950750</b>
<b>Grand Total (Rs.)</b>	<b>41886688</b>

**EXPENDITURE ON CSR ACTIVITIES DURING 2016-17**

<b>S. No.</b>	<b>Description</b>	<b>Amount Rs.</b>
1	Contribution towards rural development works by construction of Sri Ramalayam Temple at Gobburupalem village	500,000.00
2	Contribution towards rural development works -by construction of Sri Ammavari Temple in Narasingapally village	250,000.00
3	Contribution for science exhibition by promotion of education	21,000.00
	<b>Total</b>	<b>7,71,000</b>