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# SHREE CEMENT LTD.

Regd. Office:

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305 901, RAJASTHAN, INDIA



SCL/A.P./ENV/2019-20/ 2385

25/05/2019

To,  
The Regional Director,  
South Zone, Ministry of Environment Forest and Climate Change,  
Southern region, 1<sup>st</sup> & 2<sup>nd</sup> Floor, HEPC Building,  
No. 34, Cathedral Garden Road, Nungambakkam, Chennai – 600034

Sub: - Six monthly Compliance report of environmental clearance of Guntur Limestone Mine of M/s Shree Cement Limited situated near Karepudi, Guntur-Andhra Pradesh

Ref: - EC letter No. letter no. J-11015/143/2014-IA.II (M) Dated: 27/10/2016

Dear Sir,

Kindly refer to the above subject matter and referred EC letter. We are submitting herewith the compliance report for the period from October, 2018 to March, 2019.

This is for your necessary submission please.

Thanking you,

Yours faithfully,

For Shree Cement Ltd.

*R. Bhargava*

(Rakesh Bhargava)

Sr. Vice President (Environment)

Copy to:

- 1) The Director (Mines), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi - 110 003
- 2) Zonal Officer, CPCB, 1<sup>st</sup> & 2<sup>nd</sup> Floors, Nisarga Bhavan, A-Block, Thimmaiah Main Road, 7<sup>th</sup> D Cross, Shivanagar, Opp-Pushpanjali Theatre, Bengaluru-560079
- 3) The Member Secretary, Andhra Pradesh Pollution Control Board, D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamavari Street, Kasturibaipet, Vijaywada-520010

OIC: Env. Dept. Res.

JAIPUR OFFICE : SB-187, Babu Nagar, Opp. Rajasthan University, JLN Marg, Jaipur-302 015

Phone : 0141 4241200, 4241204, Fax : 0141 4241219

NEW DELHI OFFICE : 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110 002

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CORP. OFFICE : 21, Strand Road, Kolkata 700 001 Phone : 033-22309601-4 Fax : 033 22434226

**COMPLIANCE OF CONDITIONS OF ENVIRONMENT CLEARANCE LETTER NO. J-11015/143/2014-IA.II (M) dated  
27/10/2016 OF GUNTUR LIME STONE MINES OF  
M/s SHREE CEMENT LIMITED, KEREMPUDI, GUNTUR – ANDHRA PRADESH  
PERIOD OF COMPLIANCE LETTER: October-2018 TO March-2019**

<b>S. NO.</b>	<b>SPECIFIC CONDITIONS</b>	<b>COMPLIANCE</b>
1	The R&R plan shall be strictly implemented in the time bound manner.	The R&R plan has been submitted and will be implemented in a time bound manner.
2	The soil should be tested regularly for mercury contamination	Soil shall be tested for Mercury contamination.
3	The station for continuous monitoring of air quality shall be setup.	Continuous air quality monitoring station will be set up during operation.
4	The lime stone shall be transported through the conveyor belt.	Noted, will be complied.
5	The effluent water used for dust suppression shall be tested for Cr6+ and shall be treated if Cr6+ contamination is detected.	Effluent water used for dust suppression will be tested for Cr6+ and will be treated if Cr6+ contamination is detected.
6	The mineralized zone at boundary with adjoining mine leases should be utilized for perspective of mineral conservation.	Noted, will be Complied.
7	Training to 7 youth (ITI Holder) from PAF and then employment in the project shall be provided.	Noted, will be Provided.
8	Training of 43 youth from PAF (Operation & Maintained of mining) and then employment in the project shall be provided.	Noted, will be Provided.
9	Training to 10 youth from PAF (Gardening & Housekeeping) and livelihood in project (through contractors) shall be provided.	Noted, will be Provided.
10	Training to 5 Youth from PAF (Driver) and livelihood in project (through contractors) shall be provided.	Noted, will be Provided.
11	Training to 15 youth from PAF (Helper) and livelihood in project (through contractors) shall be provided.	Noted, will be Provided.
12	Free medical facilities in proposed health management center by the company to all PAF shall be provided.	Free Medical facilities will be provided by the company to all PAF.
13	Vocational training to one family member of PAF for sustainable livelihood shall be provided.	Noted, will be Provided.
14	Controlled Blasting technique i.e. use of shock tube detonators (Down line Detonators in combination with Noiseless Trunk Line Detonating Cord & Delay Detonators shall be done.	Controlled Blasting technique i.e. use of shock tube detonators will be used during mining operations.
15	Use of delay detonators to keep charge per delay within permissible limit, wherever required shall be done.	Noted, will be Provided.
16	Use of Bottom air deck for better utilization of explosive energy shall be done.	Noted, will be done.
17	Optimization of blast Geometry shall be done.	Noted, will be complied.

18	Use of Polymer Beads/ air decking to reduce the charge density in the hole shall be done.	Noted, Polymer Beads/ air decking to reduce the charge density in the hole shall be done.
19	Designing initiation patten in such a way that the blast vibration will travel away from the habitation shall be ascertain.	Controlled blasting will be carried out.
20	Using hydraulic rock breaker in place of secondary blasting shall be done.	Hydraulic rock breaker in place of secondary blasting will be done.
21	Proper Charge per delay: When any permanent structure lies within 500 meter from blasting site, the charge per delay shall be as permitted by DGMS so no damage shall take place to the structure.	The proper charge per delay will be done as permitted by DGMS.
22	Making dummy holes in between ML boundary and blasting site towards the habitation side shall be done.	Dummy holes in between ML boundary and blasting site towards the habitation side will be done.
23	Wet drilling system/ dust cyclone system shall be used to control dust.	Noted, will be complied.
24	De-Dusting system will be provided at screening & crushing plant.	Water spray arrangement will be used at screening and Crusher plant.
25	Atomized water sprinkling system (Automatic) shall be provided at crusher hopper (unloading point)	Noted, will be Provided.
26	The trees to be planted shall include fruit bearing trees like jamun, amia, Mango, Imli etc. in consultation with forest department.	Native species and fruit bearing plants will be planted in consultation with forest department.

## B. Standard conditions

S. NO.	SPECIFIC CONDITIONS	COMPLIANCE
1	Environmental Clearance is granted subject to final outcome of Hon'ble Supreme court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	Noted.
2	This Environmental Clearance is subject to obtaining requisite NBWL clearance from the standing Committee of National Board for Wildlife, if any, as applicable for this Mining project.	Noted.
3	The project proponent shall obtain Consent to operate from the concerned State pollution control and effectively implement all the conditions stipulated therein.	Consent To Establish is obtained on 10.11.2016, however Consent To Operate will be obtained in due course of time.
4	Implementation of Action plan on the issues raised during the Public hearing shall be ensured. The Project Proponent shall complete all tasks as per the action plan submitted with budgetary provisions during the Public hearing.	Noted. All tasks as per the action plan will be implemented.
5	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) for the project.	Permission from CGWA has been obtained on 13-09-2013. Renewal application has been submitted on 20.02.2016.
6	Project Proponent shall obtain the necessary prior	Noted, Six monthly reports on changes

	permission from Central Ground water Authority (CGWA) in case of intersecting the Ground water table. The intersecting ground water table can only be commence after conducting detailed hydrogeological study and necessary permission from the CGWA. The report on six monthly basis on changes in ground water level and quality shall be submitted to the Regional office of the Ministry, CGWA and State pollution control board.	in ground water level and quality will be submitted to the regional office of the ministry, CGWA and State pollution control board.
<b>7</b>	A final Mine Closure plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate change 5 years in advance of final mine closure for approval.	Mine Closure plan along with details of Corpus Fund will be submitted to the Ministry of Environment, Forest and Climate change 5 years in advance of final mine closure for approval.
<b>8</b>	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.	Noted, approval from the MoEF&CC will be taken prior to mining technology and scope of working.
<b>9</b>	No change in Calendar plan including excavation, quantum of mineral and waste should be made.	Will be complied.
<b>10</b>	Mining shall be carried out as per the provisions outlined in mining plan approved by Indian Bureau of Mines (IBM)/State Mines and Geology Department as well as by abiding to the guidelines of Directorate General Mines safety (DGMS).	Noted, will be complied.
<b>11</b>	The lands which are not owned by proponent, mining will be carried out only after obtaining the consents from all the concerned land owners as per the provisions of the Ministry Concession rules, 1960 and MMDR Act, 1957.	Noted, will be complied.
<b>12</b>	Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use patterns and report submitted to Ministry of Environment, Forest and Climate change its regional office.	Digital processing of the entire lease area using remote sensing technique will be carried out regularly once in three years.
<b>13</b>	Proponent shall appoint an Occupational Health Specialist for regular and Periodical medical examination of the workers engaged in the project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in 6 months and necessary remedial/preventive measures taken accordingly. The recommendations of National Institute for ensuring good occupational environment for mine workers shall be implemented; The prevention measure for burns, malaria and provision of anti-snake venom including all other paramedical safeguards may be ensured before initiating the mining activities.	A common health center for plant and mines will be established for periodic medical examination.
<b>14</b>	The critical parameters as per the notification 2009 such as PM10, PM2.5, NOx, Sox etc. In the ambient air within the impact zone, peak particle velocity at 300 m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored ((TDS, DO,PH and Suspended Solids(TSS)). The monitored data shall be uploaded on the	Noted, will be complied.

	website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	
15	The Proponent shall install online Ambient Air Quality Monitoring System and there should be system for display of digital AAQ data within 03 months at least at 3 locations as per wind direction. Online provisions of 'pH and turbidity meters at discharge points of STP and ETP and also at water storage ponds in the mining area may be made. Project proponent should display the result digitally in front of main gate of the mine site.	Online AAQMS will be installed within 3 months of starting the operation at least at 3 locations.
16	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having levels of PM10 and PM2.5 such as Haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the Ambient air quality parameters conform to the norms prescribed by the Central pollution control board in this regard. Monitoring of Ambient air quality to be carried out based on the notification 2009, as amended from time to time by the central pollution control board.	Effective safeguard measures such as regular water sprinkling will be carried out in critical areas prone to air pollution and having levels of PM10 and PM2.5 such as Haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources will be controlled regularly. Monitoring of Ambient air quality will be carried out as per CPCB guidelines.
17	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The project proponent shall ensure that no natural water and/or water resources shall be obstructed due to any mining operations. The monitoring shall be carried out four times in a year pre-monsoon (April- May), Monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate change and its Regional office, Central Ground Water Authority and Regional Director, Central Ground Water Board.	Noted, will be complied. Regular monitoring of ground water level and quality will be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation.
18	Regular monitoring of the flow rate of springs and the nallas flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in and around the village, should not be disturbed. The water table should be nurtured so as not to go down below the pre mining period. In case of any water scarcity in the area, The project proponent has to provide water to the villagers for their use. A provision of regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table.	There are no springs and perennial nallas flowing in and around the mine lease area Noted, will be complied. Regular monitoring of the flow rate of springs and the nallas flowing in and around the mine lease will be carried out and records maintain.
19	Regular monitoring of water quality upstream and downstream of water bodies shall be carried out record of monitoring data should be maintained and submitted to	Noted, will be complied.

	the Ministry of Environment, Forest and Climate Change and its Regional office, Central Ground Water Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.	
<b>20</b>	The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain "PUC" certificate for all the vehicles from authorized pollution testing centers.	Noted, will be complied.
<b>21</b>	Transportation of the minerals by road passing through the village not be allowed. A "bypass" road should be constructed (say, leaving a gap of at least 200m) for the purpose of transportation of the minerals so that the impact of sound, dust and accidents could be mitigated. The project proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is processed to be used for the project. No road movement should be allowed on existing village road network without appropriately increasing the carrying of such roads.	Noted, will be complied.
<b>22</b>	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the flood lights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.	Illumination and Sound levels will be kept well within the prescribed limits for day light/night hours.
<b>23</b>	Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt – conveyors should be fully covered to avoid air borne dust.	Main haulage road in the mine will be provided with permanent water sprinklers and other roads will be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points will invariably be provided with Bag filters and or dry fogging system. Belt – conveyors will be fully covered to avoid air borne dust.
<b>24</b>	Main Haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. The material transfer points should invariably be provided with Bag filters and or dry fogging system. In case of Belt – conveyors facilities the system should be fully covered to avoid air borne dust; use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured.	Main haulage road in the mine will be provided with permanent water sprinklers and other roads will be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points will invariably be provided with Bag filters and or dry fogging system. Belt – conveyors will be fully covered to avoid air borne dust.
<b>25</b>	Sufficient number of Gullies to be provided for better management of water. Regular Monitoring of PH shall be included in the monitoring plan and report shall be	Noted, will be complied.

	submitted to the Ministry of Environment, Forest and Climate change and it's Regional Office on 6 monthly basis.	
<b>26</b>	There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground water Board.	Noted, will be complied.
<b>27</b>	The project proponent has to take care of gullies formed on slopes. Dump mass should be consolidated with proper filling/leveling with the help of dozer/ compactors.	Noted, will be complied.
<b>28</b>	The reclamation at waste dump sites shall be ecologically sustainable. Scientific reclamation shall be followed. The local species may be encouraged and species are so chosen that the slope, bottom of the dumps and top of the dumps are able to sustain these species. The aspect of the dump is also a factor which regulates some climatic parameters and allows only species adopted to that micro climate.	Noted, will be complied.
<b>29</b>	The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The overburden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a very long time. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained at 45°, the OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.	Noted, will be complied.
<b>30</b>	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, minerals and OB dumps to prevent run off of water and flow of sediments directly into the river and other bodies. The water so collected should be utilized should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The Drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate	Noted, will be complied.

	retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of garland drains and desilted at regular intervals.	
31	Plantation shall be raised in a 7.5 m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department and as per CPCB guidelines shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	Green belt is being developed in consultation with the local DFO/ Agriculture Department and as per CPCB guidelines along the mine lease area in a phased manner and will be completed within first five years of starting the operation.
32	Project proponent shall follow the mitigation measures provided in office Memorandum No. Z – 11013/57/2014-IA.II (M), dated 29 <sup>th</sup> October, 2014 titled “ Impact of mining activities on habitations- Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”.	Mitigation measures mentioned in the office Memorandum No. Z – 11013/57/2014-IA.II (M), dated 29 <sup>th</sup> October, 2014 titled “ Impact of mining activities on habitations- Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area”. will be followed.
33	The Project Proponent shall make necessary alternative arrangements, where required, in consultation with the state Government to provide alternate for livestock grazing, if any. In this context, Project proponent should implement the directions of the Hon’ble supreme court with regard to acquiring grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded against felling and plantation of such trees should be prompted.	Noted.
34	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the state Forest and Wildlife Department. A copy of action plan shall be submitted to the Ministry of Environment, Forest and Climate change and its regional office.	No Schedule 1 Species of Fauna and No Red listed plant species exist in the area. However, for conservation of Flora and Fauna local species will be planted at the site.
35	As per the company act, the CSR cost should be 2% of average net profit of last three years, Hence CSR expenses should be as per the company Act/ Rule for the Socio Economic development of the neighborhood habitats which could be planned and executed by the Project Proponent more systematically based on the need based door to door survey by established Social Institutes/ Workers, the report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on 6 monthly basis.	Project work has not started yet, hence till date no expenditure has been made so far. Proposed Environmental expenses are Rs. 1.7 Crore & Recurring expenses are Rs. 0.5 Crore annually. (Refer page 264 of EIA report)
36	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The	Noted, will be complied.



	housing may be in the form of temporary structures to be removed after the completion of the project.	
37	Measures should be taken for control of noise levels below 85 'Dba in the work environment. Workers engaged in operations of HEMM, etc should be provided with ear plugs/ muffs.	Measures will be taken for controlling noise level below 85 dB(A) in work
38	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> Dec, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	Noted, will be complied.
39	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.	1. PPE's will be provided to all personnel working within mine. 2. All PPE'S will conform to DGMS standards. 3. Regular training program will be organized on health and safety aspects.
40	A separate environmental monitoring 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.	Separate environment management cell will be established to carry out various management and environment monitoring functions under the control of senior executive.
41	The funds earmarked for environmental protection measures 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.	Noted, will be complied.
42	The project authorities should inform to the regional office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Noted, will be complied.
43	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the ministry of Environment, Forest and Climate change, Its Regional office, Central Pollution Control Board and State Pollution Control Board.	Noted, will be complied.
44	The regional office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the offices (s) of the regional office by furnishing the requisite data/ information/ monitoring reports.	Noted, full cooperation will be provided to the offices (s) of the regional office by furnishing the requisite data/ information/ monitoring reports.
45	A copy of clearance letter will be marked to concerned panchayat/ local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	1. Copy of environment clearance letter has been sent on 24.11.2016 to the following:- i. Gram Pedagarlapadu, ii. Gram Kachavaram & Inuparajupalli EC letter has been placed on our website:- <a href="http://www.shreecement.in">www.shreecement.in</a>
46	State Pollution Control Board should display a copy of clearance letter at the Regional office, District industry	It's board's jurisdiction.

	center and collector's office/ Tehsildar's office for 30 days.	
<b>47</b>	The project authorities should advertise atleast in 2 local newspapers widely circulated, one of which shall be in 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 also at <a href="http://www.environmentclearance.nic.in">www.environmentclearance.nic.in</a> and a copy of the same should be forwarded to the Regional office.	Advertisement has been published in two local newspapers widely circulated in the region namely, Deccan Chronicle and Dainik Navjyoti on 01/11/2016. Copy of the newspapers has been sent on 01/11/2016.