

Ambuja Cement

REGD. A/D

ACL/EMD/F-16/2014/

25.05.2014

The Director (s),
Ministry of Environment & Forest (MoEF),
Regional Office, Western Region,
"Kendriya Paryavaran Bhavan"
Link Road No.3, Ravi Shankar Nagar,
Bhopal – 462016, (M.P.)

Sub. : Six Monthly Compliance Status Report of Environmental Clearance.

Ref. : Environmental Clearance No. J-11015/273/2007- IA.II (M) dated 12.05.2010

Sir,

We are pleased to submit herewith half yearly compliance status report (i.e. for the period of October'13 to March'14) of Environmental Clearance No. J-11015/273/2007-IA.II (M) dated 12.05.2010 granted by MoEF to **Singsar Limestone Mines** of Ambuja Cements Ltd., located at village – Singsar, Thordi & Barevala of Taluka - Sutrapada, District – Junagadh (Gujarat). We are also enclosing here with CD containing soft copy of the same.

In case of further clarification/information require, we shall be please to provide the same.

Thanking you,

Yours Faithfully,
For **Ambuja Cements Ltd.**


Dr. Anand K. Rai
HOD (Environment)

Encl.: As above.

Copy to:

- 1) Central Pollution Control Board
Western Zonal Office, Synergy House-II,
Subhanpura - Gorwa Road, Vadodara-390023 (Gujarat)
- 2) Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, **Ambuja Cements Limited**
Sector-10 A, Gandhinagar-382010
(Unit : Ambujanagar)

Regd. Office : P.O. Ambujanagar - 362715, Tal : Kodinar, Dist. : Junagadh, Gujarat.
Phone : (02795) 221137, 232009, Fax : (02795) 220328, 232032

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS
Ministry of Environment & Forests
Western Regional Office (W), Bhopal.

Monitoring Report
Part-I
DATA SHEET

Date:25.05.2014

- 01 Project type : Open Cast (Limestone) Mining
- 02 Name of the project : Singsar Limestone Mining Project
- 03 Clearance letter(s) / OM no. and date : J-11015/273/2007-IA.II (M),
Dated 12.5.2010
- 04 Location :
- a) District(s) : Junagadh
- b) State(s) : Gujarat
- c) Latitude : 20⁰47'38" to 20⁰50'01" N
- d) Longitude : 70⁰35'53" to 70⁰38'20" E
- 05 Address for correspondence :
- a) Address of concerned Project Chief Engineer (with pincode & telephone / telex / fax numbers). : Shri, Dinkar Dashora
Agent of Mines
Ambuja Cements Ltd.
PO : Ambujanagar , Taluka - Kodinar
District : Junagadh (Gujarat)
Pin : 362715
Tel: -02795-237205
Fax: 02795 - 220328/232032
- b) Address of Executive Project Engineer / Manager (with pincode / fax numbers). : Shri, Kumar Rajan
Manager (Mines)
Ambuja Cements Ltd
PO : Ambujanagar - 362715
Taluka : Kodinar,
District : Junagadh (Gujarat).
Tel: 02795 - 232064
Fax: 02795 - 220328/232032

- 06 Salient features
- a) of the project : Singsar Limestone Mining Lease is located at a crow fly distance of about 5.8 Kms from the Cement Plants at Ambujanagar.
- :
- b) of the environmental management plans :
- ❖ Mining operations would not involve drilling & blasting. Limestone excavation will be carried out by environment friendly Surface Miner supported by ripper dozer.
 - ❖ Regular monitoring of environmental parameters will be undertaken as per the norms of MoEF and IBM.
 - ❖ Preventive maintenance of deployed HEMM will be undertaken regularly.
 - ❖ Dust suppression by water sprinkling on haul roads will be done regularly in working area.
 - ❖ Afforestation / Green belt development will be done along haul road and lease periphery.
 - ❖ Mined-out areas will be converted to pasture land & also converted into water reservoir.
 - ❖ Rural Development and Socio-economic activities will be undertaken in the project buffer zone area.
- 07 Break up of the project area.
- a) Submergence area (forest & non-forest) : Nil
- b) Others : 728.1156 ha
(Government waste land, Gauchar land & Private land)

- 08 Break up of the project affected population with enumeration of those losing houses / dwelling units only agricultural land only, both dwelling units & agricultural land & landless labourers / artisan.
- a) SC, ST / Adivasis : Not applicable
- b) Others : Not applicable
- (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures if a survey is carried out give details & year of survey)
- 09 Financial details : Project Cost : Rs.103 Crore
(year of price reference 2008)
Limestone raised from the mining lease area will partially supplement the requirements of existing cement units. As it is a captive mine for the Cement Plant, no separate project costing was prepared.
- a) Allocation made for environmental management plans with item wise and year wise break-up. : **Capital Investment**
Capital investment for environment 57.08 Lakhs
protection measures
- Recurring Expenditure per year**
- | | | |
|-------------------------------|---|-----------------------|
| Plantation | - | 3.00 Lakhs |
| Environmental Monitoring | - | 2.00 Lakhs |
| Pollution Control | - | 5.00 Lakhs |
| Rural Development | - | 5.0 Lakhs |
| Total/Year (Recurring) | | Rs.15.00 Lakhs |
- b) Benefit cost ratio / Internal rate of return and the year of assessment. : No separate assessment made, as it is an integral part of the raw material source for the cement plants at Ambujanagar.
- c) Whether (c) includes the cost of environmental management as shown in the above. : Yes

- d) Actual expenditure incurred on the project so far : 16.21 Crore
- e) Actual expenditure incurred on the environmental management plans so far : 0.80 Crore (Pl. refer **Annexure 8**)
- 10 Forest land requirement. :
- a) The status of approval for diversion of forest land for non-forestry use : The project area does not comprise of any forest land.
- b) The status of clearing felling : Not applicable.
- c) The status of compensatory afforestation, if any : Not applicable.
- d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far. : Not applicable.
- 11 The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information. : Not applicable
- 12 Status of construction
- a) Date of commencement (Actual and / or **planned**) : February 2012
- b) Date of completion (Actual and / or **planned**). : Not applicable. As it is ongoing captive mining Project for cement plant.
- 13 Reasons for the delay if the project is yet to start. : Not applicable.
- 14 Dates of site visits :
- a) The dates on which the project was monitored by the : 12.10.10 to 13.10.10 by Dr. A. Mehrotra Regional Office, Bhopal

Regional Office on previous occasions, if any.

- b) Date of site visit for this monitoring report : 12.10.10 to 13.10.10
:
- 15 Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits). : Half yearly compliance status report is being regularly submitted and last submission was on 23.11.2013 vide letter no.ACL/EMD/F-16/2013.

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**Compliance Status of Environment Clearance issued to Singsar Limestone Mines
vide MoEF Letter No : J-11015/273/2007-IA.II (M) dated 12th May, 2010**

Sr. No.	Condition	Compliance Status
(i)	The project proponent shall obtain consent to establish and consent to operate from the Gujarat State Pollution Control Board and effectively implement all the conditions stipulated therein.	Consent to establish & Conent to operate has been granted by Gujarat Pollution Control Board vide CTE No. 39140 dated 29.10.2010, vide letter no. GPCB/ID29262/CTE/CCA-NG/288/62147 & CCA No. AWH-44580 dated 02.12.2011 , vide letter no. GPCB/CC-JNG-288/ID-29262/99297 respectively. All the stipulated conditions is being effectively complied.
(ii)	The environmental clearance is subject to approval of the State Land use Department, Government of Gujarat for diversion of agricultural land for non-agricultural use.	Point noted and being complied. The revenue land on which mining is done is being converted in to non-agricultural use from State Land use dept. Government of Gujarat.
(iii)	Necessary prior permission from the competent authority as may be applicable for use of grazing land for mining purpose shall be obtained.	Industries and Mines Dept. Govt. of Gujarat have granted lease grant order vide order no. MCR-112000-CHH-1 dated 18.10.2011.
(iv)	The project proponent shall develop alternate grazing land/fodder plots in the non-mineralized area for use of grazing land.	Pasture land will be developed out side mine lease area, on getting clearance from various authorities.
(v)	The mine working shall be restricted to one meter above premonsoon ground water table level and without resorting to any pumping of groundwater.	Mining is being done above premonsoon ground water table. No pumping of ground water during mining.
(vi)	No pumping of groundwater shall be done for any purpose in the mine lease area.	No pumping of ground water in the mine lease area.
(vii)	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations.	At no stage of mining natural water course will be obstructed by mining activity.
(viii)	The project proponent shall effectively implement the conditions made by the Chief Wildlife Warden and Principal Chief Conservator of Forests, Gandhinagar vide their letter No.WLP/325/32/A/141-42/2009-10 dated 27.05.2009.	<p>Compliance Status is as under.</p> <ol style="list-style-type: none"> 1. Mining is being done using eco-friendly, blast free Surface Miner Machine. 2. Regular water sprinkling is being done in mining area and roads. 3. Parameter of air, water and land is being maintained within prescribed norms. 4. Green belt will be developed in periphery of lease area with respect to approved mine plan. 5. Appropriate parapet bund will be created around mining pits. 6. Mines will be suitably reclaimed.
(ix)	The top soil 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 plantation and green belt development.	Top soil being stacked separately in the ear marked site with appropriate measures.Top Soil is stored systematically. Road side bunds are made from poor grade material and Top soil is used for greenbelt development and pastureland development.
(x)	Catch drains and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment directly into the agricultural fields, rivers and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after the monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for the mine pit to prevent run off of water and flow of sediments directly into the agricultural fields rivers 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 retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.	Catch drains, siltation ponds of appropriate size will be constructed after progressive mining. Garland drains and sedimentation pits will be constructed after progressive mining.

**Compliance Status of Environment Clearance issued to Singsar Limestone Mines
vide MoEF Letter No : J-11015/273/2007-IA.II (M) dated 12th May, 2010**

Sr. No.	Condition	Compliance Status
(xii)	The entire excavated area of 650.94ha left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	Excavated area will be converted in to water bodies as per approved mining plan from IBM. Higher benches will be made gentler for easy accessibility by local people to use the water body. Peripheral fencing will be carried out along the excavated area after progressive mining.
(xiii)	Plantation shall be raised in an area of 72.68ha including a 7.5m wide green belt in the safety zone around the mining lease, around the water body, reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1500 plants per ha.	Mining is in initial stage, plantation and green belt in safety zone around the mining lease will be developed as per approved mining plan from IBM after progressive mining. Local DFO/Agriculture department will be consulted for planting native species.
(xiv)	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	Regular water sprinkling through tanker is in practice at mine lease area and on haul roads to control air borne dust. Ambient air quality parameters is being maintained within norms prescribed by GPCB.
(xv)	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Rainwater harvesting measures to augment ground water resources in the area is being done by our Ambuja Cement Foundation (ACF). A glimpse about ACF & community development work done by ACF in surrounding areas is enclosed as Annexure I .
(xvi)	Regular monitoring of ground water level and quality shall be carried out within the mine lease and in the surrounding area (upto 5 km of the mine lease) by establishing a network of groundwater monitoring stations (existing wells and installing new piezometers) during the mining operation in consultation with Central Groundwater Authority / Ground Water Board and groundwater table shall be monitored and records maintained. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted and salinity ingress in groundwater is observed due to the mining activity, necessary corrective safeguard measures shall be taken in consultation with the Central Ground Water Authority.	Regular monitoring of ground water level and quality is being carried out in and around the mine lease area by developing network of existing wells & establishing new piezometers around mine lease area. Periodic monitoring report of ground water is being sent regularly to the Ministry of Environment and Forests and its Regional Office Bhopal, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. Quarterly Ground water level & quality monitoring report for the period of Oct'13 to March'14 is enclosed as Annexure-2 . Preliminary study on ground water in Singsar limestone mine & its buffer zone has been conducted by Ground Water and Mineral Investigation Consultancy Centre (P) Ltd., Jaipur. Copy of report has been already submitted to MoEF vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010.
(xvii)	The project proponent shall obtain necessary prior permission of the competent authorities for draw of requisite quantity of water (surface water and ground water) required for the project.	There will be no withdrawal of ground water. Water requirement at initial stage is being met from harvested rain water in existing solaj mines pits , as mines will develop water requirement will be met from harvested rain water in mined out pits.
(xviii)	The project proponent shall practice suitable rainwater harvesting measures on long term basis and work out a detailed scheme for rainwater harvesting in consultation with the Central Groundwater Authority and submit a copy of the same to the Ministry of Environment and Forests and its Regional Office, Bhopal.	Rainwater harvesting measures to augment ground water resources in the area is being done by our Ambuja Cement Foundation (ACF). Details of work done by ACF in near by areas is enclosed as Annexure -I .

**Compliance Status of Environment Clearance issued to Singar Limestone Mines
vide MoEF Letter No : J-11015/273/2007-IA.II (M) dated 12th May, 2010**

Sr. No.	Condition	Compliance Status
(xix)	Appropriate mitigative measures shall be taken to prevent pollution of the Somat River, the Singoda River and the Saraswati River in consultation with the State Pollution Control Board.	Even though these rivers are far off from the project area , State Pollution Control Board will be consulted, if required.
(xx)	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	Vehicle emissions is being checked regularly.
(xxi)	Drilling and blasting operation shall not be carried out.	Blast free fully mechanized Surface Miner machine is being used for mining.
(xxii)	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to the Ministry of Environment and Forests and its Regional Office located at Bhopal.	Point noted and complied. Report of digital processing of lease area has been already submitted to MoEF vide our submission dated 10.04.2014 vide letter no.ACL/EMD/F-16/2014/328/73119.
(xxiii)	Land oustees and land losers/affected people should be rehabilitated as per the National Policy on Resettlement and Rehabilitation of project Affected Families (NPRR).	Resettlement and Rehabilitation is not applicable in this mine.
(xxiv)	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	There is no mineral handling plant at Mines site. Mineral extracted is being transported to cement plant by tippers/truck tipplers, which is being covered with suitable covering mechanism for prevention of fugitive emission.
(xxv)	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	Existing township is being used , no any additional colony has been developed at project site. ETP for workshop waste water is provided.
(xxvi)	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 1 km from proposed mine.	Pre-project community health status report has been already submitted to MoEF vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010
(xxvii)	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	Pre-placement medical examination and periodical medical examination of the worker engaged is being regularly carried out at our all existing plant and mines by team of doctors of our occupation health centre.
(xxviii)	Provision shall be made for the housing of constructions labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	All the operators and competent person is being reside in our existing colony at Ambujanagar, Kodinar.
(xxix)	The critical parameters such as RSPM (Particulate matter with size less than 10Km i.e., PM10), NOX in the ambient air within the impact zone, shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the 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 and Forests, which is available on the website of the Ministry www.envfor.nic.in, shall also be referred in this regard for its compliance.	Air quality monitoring and water quality monitoring is being done regularly and report is submitted to GPCB & MoEF. Results of Air & Water quality monitoring is being uploaded on the website of the company as well as displayed on a display board at the project site near mine office. The AAQ monitoring results for the period Oct' 2013 to March' 2014 for SPM, RSPM, CO, SO2, and NOx are enclosed as Annexure-3

**Compliance Status of Environment Clearance issued to Singsar Limestone Mines
vide MoEF Letter No : J-11015/273/2007-IA.II (M) dated 12th May, 2010**

Sr. No.	Condition	Compliance Status
(xxx)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely Asiatic Lion, Leopard, Indian Peafowl, Eurasian Spoonbill etc. 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. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhopal.	"Status of Biodiversity (Flora & Fauna) in core and buffer zone areas of Singsar Limestone Mine Lease study area is prepared by "Gujarat Institute of Desert Ecology", Bhuj. The same has been submitted to MoEF vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010
(xxxi)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Point noted & will be complied.
B. General Conditions:		
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	Point Noted
(ii)	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	Point Noted
(iii)	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10µm i.e., PM ₁₀), NOx monitoring. Location 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 is being monitored regularly and report is being regularly submitted to GPCB & MoEF. The AAQ monitoring results for the period of Oct'13 - March'14 is enclosed as Annexure 3 .
(iv)	Data on ambient air quality RSPM (Particulate matter with size less than 10µm i.e., PM ₁₀), & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	Ambient air quality is being monitored regularly and report is being regularly submitted to GPCB/ MoEF & CPCB. Last Submission was on 23.11.2013 vide letter no. ACL/EMD/F-16/2013.
(v)	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Environment friendly Surface Miner machine is being used for mining. Surface miner is provided with inbuilt facility of water sprinkling to suppress dust generated during mining. On all haul roads regular water sprinkling is being done by water tankers.
(vi)	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.	Blast free eco-friendly machine i.e. Surface Miner is used for excavating the limestone. The noise levels are kept well within the permissible limits by system of condition monitoring of the equipment and well planned maintenance system. All the worker work in high noise areas is being provided with ear plug/ear muffs. Regular ambient noise monitoring as well as HEMM noise monitoring is enclosed as Annexure 5 & 6 .
(vii)	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 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	No waste water generation from Mines , only negligible amount of waste water generated from workshop, which is being treated at buffle type oil and grease separation system and treated water is being used for plantation/greenbelt development.

**Compliance Status of Environment Clearance issued to Singsar Limestone Mines
vide MoEF Letter No : J-11015/273/2007-IA.II (M) dated 12th May, 2010**

Sr. No.	Condition	Compliance Status
(viii)	<p>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.</p> <p>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.</p>	<p>Dust Masks, Safety Shoes, Safety Goggles & Helmet are provided to each & every personnels working in the mine area. Periodic Health check up is being done for personnel working in mines area.</p> <p>Occupational health surveillance programme of the workers is undertaken periodically by our Occupational Health Centre.</p>
(ix)	<p>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.</p>	<p>A well established Environmental Management Division (EMD) with suitable qualified personnel is exist.Head of environmental management cell directly report to the Unit Head (Jt. president) of the organisation.EMD organisation chart is enclosed as Annexure 7.</p>
(x)	<p>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 of Environment and Forests and its Regional Office located at Bhopal.</p>	<p>Details of capital and recurring expenditure for environmental protection measures are enclosed as Annexure 8.</p>
(xi)	<p>The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.</p>	<p>Regular six monthly environmental clearance compliance report is being submitted to MoEF. Last submission was on 23.11.2013 vide letter no. ACL/EMD/F-16/2013/.</p>
(xii)	<p>The Regional Office of this Ministry located at Bhopal 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.</p>	<p>Point noted and will be complied.</p>
(xiii)	<p>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 and Forests, its Regional Office Bhopal, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board.</p>	<p>Half yearly compliance status report is being regularly submitted and last submission was on 23.11.2013 vide letter no. ACL/EMD/F-16/2013.</p>
(xiv)	<p>A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.</p>	<p>A copy of clearance letter has been marked to concerned.</p>
(xv)	<p>The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collectors office/ Tehsildars Office for 30 days.</p>	<p>GPCB is the concern authority for the same.</p>

**Compliance Status of Environment Clearance issued to Singsar Limestone Mines
vide MoEF Letter No : J-11015/273/2007-IA.II (M) dated 12th May, 2010**

Sr. No.	Condition	Compliance Status
(xvi)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal by e-mail.	Point noted and being complied.
(xvii)	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 also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.	Advertisement was published in two local news paper. Copy of advertisement has been submitted to MoEF on 25.12.2010 vide letter no. ACL/EMD/F16/2010.

Ambuja Cement Foundation - Ambujanagar
Details for programme wise expenditure for the year 2013-14

(Rs. In lakhs)

Sr.No	Programme	Funds from ACF Resources	*Funds received through Government	from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp.
	GUJARAT - Kodinar						-
1	Water Resource Mangement & Drinking Water Projects						-
	a. Water Resource Development	40.16	17.57				57.73
	B .Drinking Water Programme	37.83	-	13.55	46.29	-	97.67
	c. Salinity Prevention (KVI III)	81.61		52.60	90.93	90.01	315.15
2	Agriculture Development(Farm Forestry &Afforestation)	38.36		16.88	145.03	186.33	386.60
3	Better Cotton Initiative (BCI)	0.54		38.21	1.85	2.30	42.90
4	Krishi Vigyan Kendra (KVK)	16.84	105.59		-		122.43
5	Animal Husbandry Programme	0.44	-		-		0.44
6	Health & Sanitation Programme	12.78			15.31	-	28.09
7	Skill and Enterprunership Development Programme	26.79		15.97	23.78		66.54
8	Village Knowledge Centre & Anganwadi exp	1.93			-		1.93
9	Capacity Building & Training Programmes	0.21	-		-		0.21
10	Women / Youth Development	6.82					6.82
11	Integrated Community Development Programme	80.89					80.89
12	Co-ordination & Administration Expenses	63.65					63.65
13	Capital Expenditure	2.08					2.08
	TOTAL	410.93	123.16	137.21	323.19	278.64	1,273.13

**Ambient Air Quality Monitoring Results
(Oct 2013 - March 2014)**

Month	Ambient Air Quality Monitoring Results																			
	Singsar Mines					Thordi Village					Barevala Village					Solaj Mines Office				
	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO
Unit >	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)
Oct. 2013	29.00	42.00	11.30	16.50	0.50	25.00	46.00	12.50	17.10	0.30	28.00	45.00	12.90	16.90	0.50	26.00	43.00	11.60	17.80	0.40
	31.00	43.00	12.20	16.60	0.30	28.00	47.00	11.70	17.70	0.40	24.00	44.00	12.90	18.10	0.40	29.00	49.00	11.70	18.80	0.30
Nov.2013	35.00	47.00	13.60	17.20	0.40	32.00	49.00	12.30	18.60	0.50	27.00	42.00	13.50	19.40	0.30	31.00	46.00	12.70	17.80	0.50
	25.00	40.00	12.20	17.40	0.40	27.00	41.00	13.50	16.60	0.50	26.00	42.00	11.70	17.20	0.30	23.00	46.00	12.60	16.70	0.20
Dec.2013	21.00	43.00	11.40	16.60	0.20	24.00	45.00	12.50	15.50	0.30	22.00	47.00	12.80	16.40	0.40	26.00	49.00	11.30	15.80	0.30
	31.00	43.00	12.20	16.30	0.50	28.00	46.00	13.70	17.70	0.30	29.00	44.00	12.60	18.80	0.50	33.00	41.00	14.50	16.50	0.40
Jan. 2014	24.00	41.00	12.30	17.50	0.30	26.00	43.00	12.70	16.30	0.40	27.00	44.00	13.30	16.90	0.50	28.00	45.00	12.60	15.20	0.50
	35.00	45.00	13.20	16.60	0.30	32.00	48.00	13.90	17.20	0.40	33.00	49.00	12.10	17.60	0.30	36.00	46.00	13.50	17.40	0.50
Feb. 2014	28.00	45.00	11.20	16.50	0.50	29.00	48.00	12.20	17.70	0.30	24.00	41.00	12.80	16.20	0.40	24.00	40.00	11.50	15.70	0.30
	31.00	41.00	12.10	17.70	0.50	36.00	43.00	12.70	16.50	0.30	37.00	45.00	13.50	16.80	0.40	34.00	42.00	12.40	16.10	0.30
March 2014	25.00	41.00	12.40	17.10	0.30	26.00	43.00	11.60	16.30	0.40	28.00	45.00	12.10	17.40	0.50	27.00	43.00	12.50	16.70	0.50
	28.00	42.00	11.20	16.20	0.30	32.00	45.00	12.60	16.90	0.40	34.00	47.00	12.80	17.20	0.50	31.00	46.00	11.60	17.60	0.40
Minimum	21.00	40.00	11.20	16.20	0.20	24.00	41.00	11.60	15.50	0.30	22.00	41.00	11.70	16.20	0.30	23.00	40.00	11.30	15.20	0.20
Maximum	35.00	47.00	13.60	17.70	0.50	36.00	49.00	13.90	18.60	0.50	37.00	49.00	13.50	19.40	0.50	36.00	49.00	14.50	18.80	0.50
Average	28.58	42.75	12.11	16.85	0.38	28.75	45.33	12.66	17.01	0.38	28.25	44.58	12.75	17.41	0.42	29.00	44.67	12.38	16.84	0.38

Air Borne Dust Survey - Singar Mines Mines (Oct-2013 to March-2014)

<i>Machine : Surface Miner</i>				<i>Machine :Dozer</i>				<i>Machine Loader</i>			
Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)
14-Oct-13	0600 - 1400	Inside Cabin	0.25	15-Oct-13	0600 - 1400	Inside Cabin	0.29	16-Oct-13	0600 - 1400	Inside Cabin	0.26
18/11/13	0600 - 1400		0.22	19-Nov-13	0600 - 1400		0.3	20-Nov-13	0600 - 1400		0.24
2-Dec-13	0600 - 1400		0.25	3-Dec-13	0600 - 1400		0.29	4-Dec-13	0600 - 1400		0.23
6-Jan-14	0600 - 1400		0.26	7-Jan-14	0600 - 1400		0.29	8-Jan-14	0600 - 1400		0.23
24-Feb-14	0600 - 1400		0.22	25-Feb-14	0600 - 1400		0.25	26-Feb-14	0600 - 1400		0.29
20-Mar-14	0600 - 1400		0.30	21-Mar-14	0600 - 1400		0.25	22-Mar-14	0600 - 1400		0.22

Annexure 5

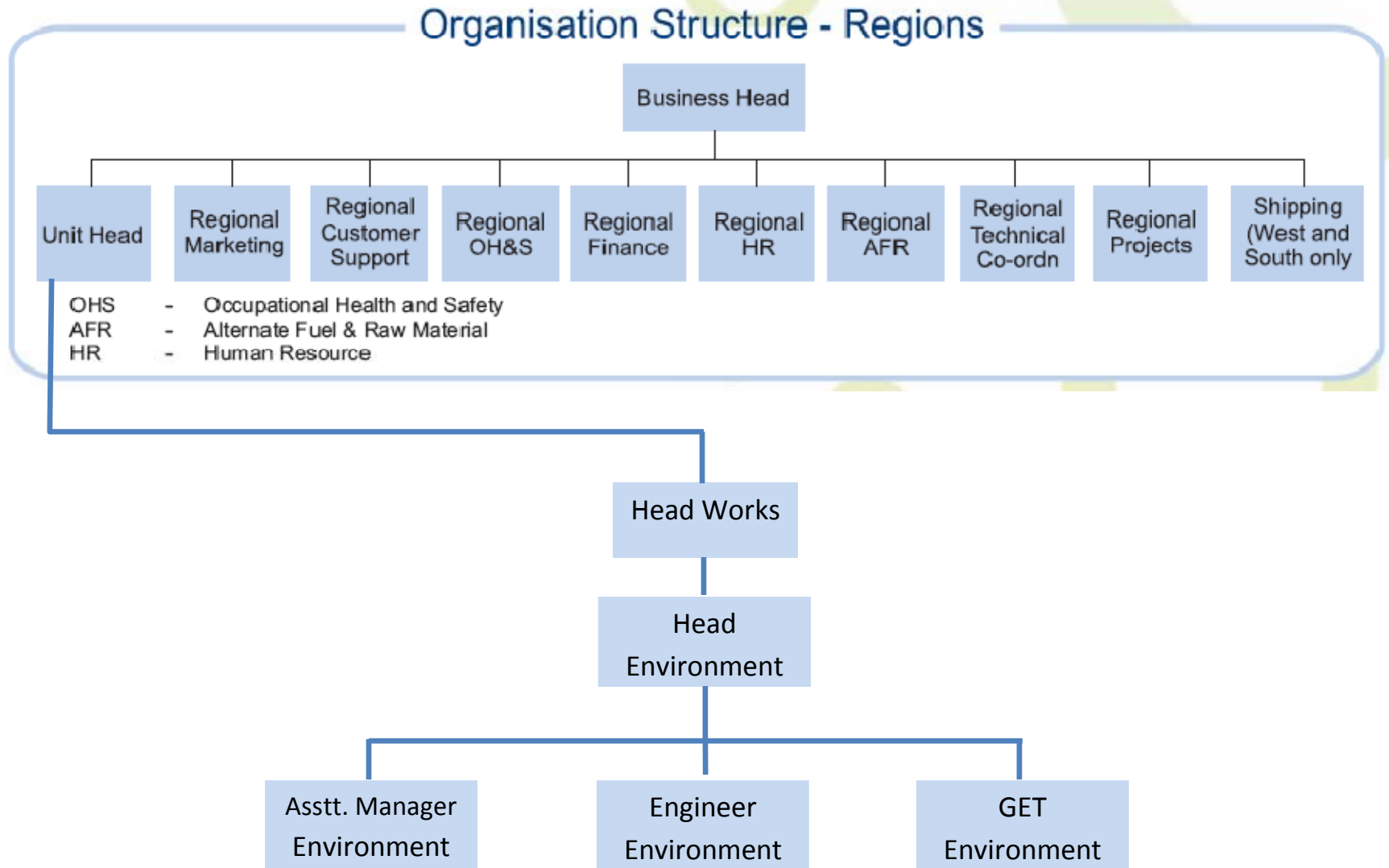
**Ambient Noise Level Monitoring - Singar Mines
(October-2013 to March-2014)**

Month	Noise Levels in dB(A)					
	Near Surface Miner		Hual road		Mines offices	
	Min	Max	Min	Max	Min	Max
Oct-13	79	80	50	53	39	41
Nov-13	75	76	40	46	39	44
Dec-13	70	73	43	49	40	46
Jan-14	74	79	46	50	39	44
Feb-14	70	74	40	46	40	43
Mar-14	74	76	45	48	40	43

Annexure 6

Noise Level of HEMM - Singsar Mines (Oct-2013 March-2014)															
Machine	Surface Miner					Loader					Dozer				
Month	Conditions	Noise Levels (dB)				Conditions	Noise Levels (dB)				Conditions	Noise Levels (dB)			
		At 5m. distance		At 10m. distance			At 5m. distance		At 10m. distance			At 5m. distance		At 10m. distance	
		Min	Max	Min	Max		Min	Max	Min	Max		Min	Max	Min	Max
Oct-13	While dozing the material	73	74	56	59	While loading to tipper	64	66	53	58	While mining	58	60	55	59
Nov-13	While dozing the material	72	76	50	53	While loading to tipper	55	59	39	42	While mining	48	50	40	44
Dec-13	While dozing the material	65	70	45	50	While loading to tipper	56	59	53	58	While mining	50	53	40	44
Jan-14	While dozing the material	60	65	43	45	While loading to tipper	64	68	40	42	While mining	40	45	43	46
Feb-14	While dozing the material	56	60	40	45	While loading to tipper	55	62	39	42	While mining	39	40	46	50
Mar-14	While dozing the material	62	66	40	42	While loading to tipper	60	63	38	40	While mining	40	46	40	44

Annexure 7 [ORGANISATION CHART]



(A) Capital Investment for Environmental Monitoring :

(1) Monitoring Equipments	: 37.08 Lakh
(2) Environmental Laboratory	: 10.00 Lakh
(3) Others (Monitoring Van & DG sets)	: 10.00 Lakh

Total : Rs. 57.08 Lakh**(B) Recurring expenditure for the period of October'13 to March'14:**

(1) Green belt development & dust suppression	: 4.83 Lakh
(2) Manpower Cost*	: 10.70 Lakh
(3) House Keeping	: 0.74 Lakh
(4) Other Env. Protection (Environmental Monitoring)	: 0.67 Lakh
(5) Environmental Awareness*	: 0.16 Lakh

Total : Rs. 17.10 Lakh

*Expenditures common for all the plant & mines.

(A) Community Development expenditure by Ambuja : Rs. 12.73 Crore Cement Foundation**

** Community development expenditure is common for all plant & mines at Ambujanagar. Programme wise Expenditure Details is as below :

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year 2013-14							
(Rs. In lakhs)							
Sr.No	Programme	Funds from ACF Resources	*Funds received through Government	from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp.
	GUJARAT - Kodinar						-
1	Water Resource Mangement & Drinking Water Projects						-
	a. Water Resource Development	40.16	17.57				57.73
	B .Drinking Water Programme	37.83	-	13.55	46.29	-	97.67
	c. Salinity Prevention (KVV III)	81.61		52.60	90.93	90.01	315.15
2	Agriculture Development(Farm Forestry &Afforesation)	38.36		16.88	145.03	186.33	386.60
3	Better Cotton Initiative (BCI)	0.54		38.21	1.85	2.30	42.90
4	Krishi Vigyan Kendra (KVK)	16.84	105.59		-		122.43
5	Animal Husbandry Programme	0.44	-		-		0.44
6	Health & Sanitation Programme	12.78			15.31	-	28.09
7	Skill and Enterprunership Development Programme	26.79		15.97	23.78		66.54
8	Village Knowledge Centre & Anganwadi exp	1.93			-		1.93
9	Capacity Building & Training Programmes	0.21	-		-		0.21
10	Women / Youth Development	6.82					6.82
11	Integrated Community Development Programme	80.89					80.89
12	Co-ordination & Administration Expenses	63.65					63.65
13	Capital Expenditure	2.08					2.08
	TOTAL	410.93	123.16	137.21	323.19	278.64	1,273.13