

Ambuja Cement

REGD. A/D

ACL/EMD/F-16/2022/2691

18.11.2022

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

Sub. : Half Yearly Compliance Status Report of Environmental Clearance of Singsar Limestone Mines.

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 **(April'2022 to September'2022)** of Environmental Clearance No. J-11015/273/2007-IA.II (M) dated 12.05.2010 granted by MoEF&CC to **Singsar Limestone Mines** of Ambuja Cements Ltd., located at village – Singsar, Thordi & Barevala of Taluka - Sutrapada, District – Gir Somnath (Gujarat).

This is for your information and record please.

Thanking you,

Yours Faithfully,
For Ambuja Cements Ltd.


Devendra Singh Chauhan
Head-Environment

Encl.: As above.

Copy to:

- 1) **The Central Pollution Control Board (CPCB)**, Privesh Bhavan, Atmajyoti Ashram Rd, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara – 390023 (Gujarat).
- 2) **The Member Secretary, Gujarat Pollution Control Board (GPCB)**, Paryavaran Bhavan, Sector-10-A, Gandhinagar-382010.
- 3) **The Regional Officer, Gujarat Pollution Control Board (GPCB)**, Opp. Saint Anne's Church Station Road, Junagadh.

Regd. Office :
PO : Ambujanagar - 362 715, Tal : Kodinar,
Dist. : Gir Somnath (Gujarat)
Phone : (02795) 221137, 232009,
Fax : (02795) 220328

Ambuja Cements Limited
(Unit : Ambujanagar)
CIN No. : L26942GJ1981PLC004717
www.ambujacement.com

Corporate Office :
Elegant Business Park,
MIDC Cross Road 'B'
Off Andheri - Kurla Road, Andheri (E)
Mumbai - 400 059. Phone : (022) 4066700

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environment, Forest and Climate Change

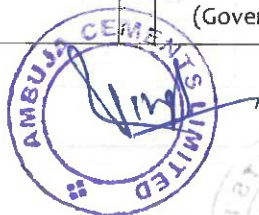
Western Regional Office (W), Bhopal.

Monitoring Report

Part-I

DATA SHEET

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)	:	Gir Somnath
	b) State(s)	:	Gujarat
	c) Latitude	:	20°47'38" to 20°50'01" N
	d) Longitude	:	70°35'53" to 70°38'20" E
05	Address for correspondence	:	
	a) Address of concerned Project Chief Engineer (with pincode & telephone / telex / fax numbers).	:	Sh. Devendra Singh Chauhan Head (Environment) Ambuja Cements Ltd. PO Ambujanagar, Taluka : Kodinar, District: Gir Somnath (Gujarat). Pin. : 362715, Tel: 02795-237011, Fax: 02795 - 220328/232032
	b) Address of Executive Project Engineer / Manager (with pincode / fax numbers).	:	Sh. Jitendra Kumawat Manager (Mines) Ambuja Cements Ltd , PO : Ambujanagar - 362715 Taluka : Kodinar, District: Gir Somnath (Gujarat). Tel: 02795 - 232064, Fax: 02795 - 220328/232032
06	Salient features	:	
	a) of the project	:	Singsar Limestone Mining Lease is located at a distance of about 5.8 Kms from the Cement Plants located at Ambujanagar.
	b) of the environmental management plans	:	<ul style="list-style-type: none"> ❖ Mining operations doesn't involve drilling & blasting. Limestone excavation is being carried out by environment friendly Surface Miner supported by ripper dozer. ❖ Regular monitoring of environmental parameters is undertaken as per the norms of MoEF&CC and IBM. ❖ Preventive maintenance of deployed HEMM is undertaken regularly. ❖ Dust suppression by water sprinkling on haul roads are being done regularly in working area. ❖ Afforestation / Green belt development is being done along haul road and lease periphery. ❖ Mined-out areas will be converted to pasture land & also converted into water reservoir as per approved mining plan. ❖ Rural Development and Socio-economic activities is being undertaken in the project buffer zone area.
07	Breakup of the project area.	:	
	a) Submergence area (forest & non-forest)	:	Nil
	b) Others	:	728.1156 ha (Government waste land, Gauchar land & Private land)



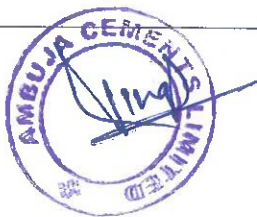
08	Breakup of the project affected population with enumeration of those losing houses / dwelling units only agricultural land only, both dwelling units & agricultural land & landless labourers / artisan.	:	Not applicable
	a) SC, ST / Adivasis	:	Not applicable
	b) Others	:	Not applicable
09	Financial details		
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	:	Project Cost : Rs.103 Cr 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.
	b) Allocation made for environmental management plans with item wise and year wise break-up.	:	Please refer

Expenditure incurred in Environment Management Plan - SINGSAR MINES		
A. Capital Investment for Environmental Monitoring :		
S.No	Particulars	Cost (In Lacs)
1	Monitoring Equipments	37.08
2	Environment Laboratory	10
3	Others (Monitoring Van, DG Sets etc.	10
	Total (In Lacs INR)	57.08
B. Recurring Expenditure for the period of April'2022 to September'2022		
S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	27.17
2	Manpower Cost *	12.15
3	House Keeping	1.19
4	Other Env. Protection (Environmental Monitoring)	1.73
5	Environment Awareness *	1.43
	Total (In Lacs INR)	43.68
* Expenditures are Common for All the Plants & Mines.		

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year April to Sept. 2022							
Sr. No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp. (Rs. In lakhs)
	GUJARAT - Kodinar						
1	Water Resource Mangement & Drinking Water Projects						
	A.Water Resource Development	16.34	3.69				20.03
	B .Drinking Water Programme	6.09			3.00		9.09
2	Agriculture Development (Drip irrigation, Farm Forestry & Afforestation)	8.78			75.16	111.97	195.91
3	BCI	18.65	0.10	202.35	109.49	250.83	581.42
4	Krishi Vigyan Kendra (KVK) - Agriculture	4.66	85.23				89.89
5	Health & Sanitation	8.11			9.14		17.25
6	Education Programme	3.71					3.71
7	Women / Youth Development	7.71					7.71
8	Skill and Enterprunership Development Programme	25.57	28.45		25.18		79.20
9	Integrated Community Development Programme	94.94					94.94
10	Co-ordination & Administration Expenses	42.41					42.41
11	Capital Expenditure						0.00
	TOTAL	236.97	117.47	202.35	221.97	362.80	1141.56



	c) 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.
	d) Whether (c) includes the cost of environmental management as shown in the above.	:	Yes
	e) Actual expenditure incurred on the project so far.	:	18.65 Cr.
	f) Actual expenditure incurred on the environmental management plans so far.	:	8.17 Cr.
10	Forest land requirement.	:	
	a) The status of approval for diversion of forest land for non-forestry use	:	The Project area dose 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 located at Ambujanagar.
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 Regional Office on previous occasions, if any.	:	12.10.10 to 13.10.10 by Dr. A. Mehrotra MoEFCC, Regional Office, Bhopal
	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)	:	<ul style="list-style-type: none"> Half yearly compliance status report is being regularly submitted and last submission was on 26.05.2022 vide letter No. ACL/EMD/F-16/2022/2520/90453.

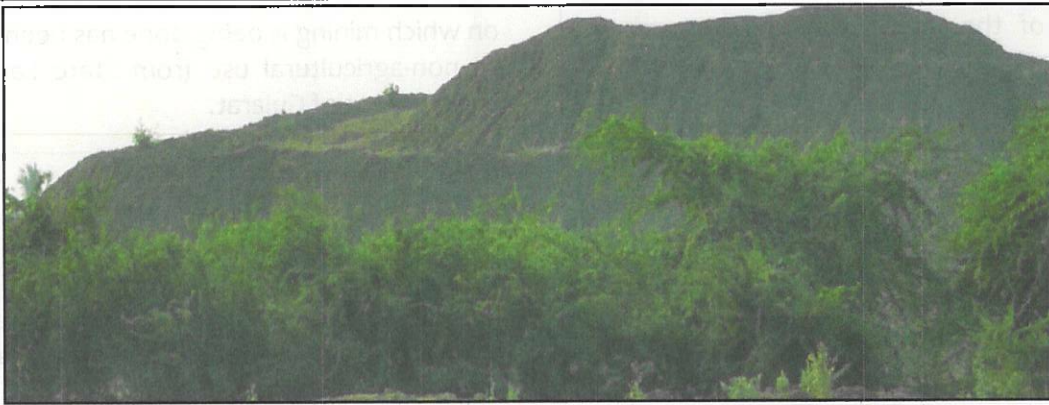


Compliance Status of Environment Clearance issued to Singars Limestone Mines
Vide MoEF&CC Letter No: J-11015/273/2007-IA.II (M) dated 12th May, 2010

S N	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.	<ul style="list-style-type: none"> Consent to establish & Consent 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-109029 dated 16.07.2020, vide letter no. GPCB/ID-29262/CCA/JNG-288(3)/566821 , Valid up to 15/07/2025 respectively. All the stipulated conditions are 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.	<ul style="list-style-type: none"> Point noted and being complied. The revenue land on which mining is being done has been converted in to non-agricultural use from State Land use dept. Government of Gujarat.
lii	Necessary prior permission from the competent authority as may be applicable for use of grazing land for mining purpose shall be obtained.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Pasture land will be developed outside mine lease area, on getting clearance from various authorities.
v	The mine working shall be restricted to one meter above pre-monsoon ground water table level and without resorting to any pumping of groundwater.	<ul style="list-style-type: none"> Mining is being done above pre-monsoon ground water table. No pumping of ground water during mining is carried out.
vi	No pumping of groundwater shall be done for any purpose in the mine lease area.	<ul style="list-style-type: none"> No pumping of ground water in the mine lease area done till date.
vii	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations.	<ul style="list-style-type: none"> It is being ensured that during mining operations that the natural water course will not be obstructed by any 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> <ul style="list-style-type: none"> Mining is being done using eco-friendly, blast free Surface Miner Machine. Regular water sprinkling is being done in mining area and roads. Parameter of air and water are being maintained within prescribed norms. Development of the Green belt is under progress in periphery of lease area with respect to approved mine plan. Development of Appropriate parapet bund is under progress around mining pits as per mining plan. Mines will be suitably reclaimed as per mining plan.



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

ix	<p>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.</p>	<ul style="list-style-type: none"> A very thin layer of top soil is available. Generated top soil is being stacked separately and systematically in the earmarked site with appropriate measures. Road side bunds are made from poor grade material. Top soil is used for land reclamation plantation and greenbelt development.
	<div data-bbox="247 515 1300 918">  </div> <div data-bbox="247 918 1300 974"> <p align="center">TOP SOIL IS USED FOR GREENBELT AND PASTURE LAND DEVELOPMENT</p> </div>	
x	<p>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 de-silted 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 de-silted at regular intervals.</p>	<ul style="list-style-type: none"> Mining Pits are interconnected with each other and excess water from one pit passes to bigger pits and at no time all pits are completely filled so excess water goes to nallah. However necessary arrangements are made to cater the situation and proper catch drains with siltation ponds are made.
xii	<p>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</p>	<ul style="list-style-type: none"> Excavated area is being converted in to water bodies as per approved mining plan from IBM. 1214.0 meter brick wall and 500 meter barbed wire meters of Fencing has been done from April'2022 to September'2022. Peripheral fencing work is going on along the



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

accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.

excavated area. Total 8904.06 meter brick wall, 31079.83 meter barbed wire and 32580 meter earthen bunds Fencing has been done till September'2022.



Excavated area is being converted in to water bodies as per approved mining plan



Barbed Wire fencing around the Excavated area



Brick Wall Fencing around the Excavated area

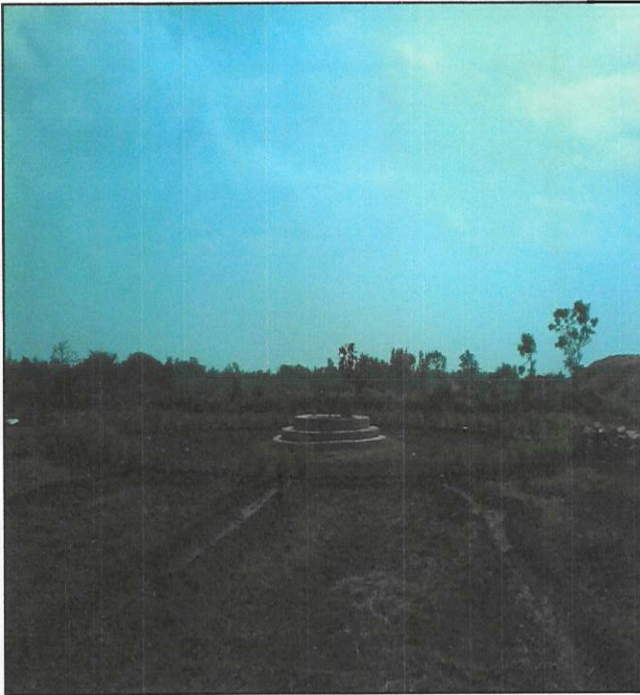
- | | | |
|------|---|--|
| xiii | <p>Plantation shall be raised in an area of 72.68 ha including a 7.5m wide green belt in the safety zone around the mining lease, around the water body, reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1500 plants per ha.</p> | <ul style="list-style-type: none"> • Plantation Done From during 2022-2023 (Till September'2022) is 110 no. Total Cumulative plantation till September'2022 is 4144 Nos. • Till September 2022, 2.1645 ha area is covered under plantation and green belt development. Details of greenbelt/reclamation are enclosed as under. |
|------|---|--|

Greenbelt & Plantation Details

Total Lease Area (in ha)	Opened up Area (in Ha)	Plantation Area (in Ha)	Pasture land (in Ha)	Water Catchment Area (in Ha)
728.1156	167.6646	2.1645	16.4309	95.1435

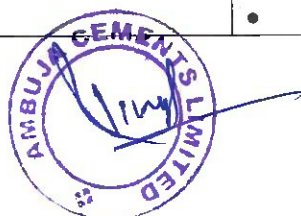


**Compliance Status of Environment Clearance issued to Singsar Limestone Mines
Vide MoEF&CC Letter No: J-11015/273/2007-IA.II (M) dated 12th May, 2010**



Regular Plantation Drives are taken as per Progressive Mining Plan

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.	<ul style="list-style-type: none"> Regular water sprinkling through water tanker is in practice at mine lease area and on haul roads to control air borne dust. Ambient air quality parameters are being maintained within norms prescribed by CPCB. Report is Attached in Point No. (xxix)
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.	<ul style="list-style-type: none"> Rainwater harvesting measures to augment ground water resources in the area is being done by Ambuja Cement Foundation (ACF). Glimpses about ACF & community development work done by ACF in surrounding areas are enclosed as under.



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

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year April to Sept. 2022							
Sr. No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp (Rs. In lakhs)
1	GUJARAT - Kodinar Water Resource Mangement & Drinking Water Projects						
	A.Water Resource Development	16.34	3.69				20.03
	B.Drinking Water Programme	6.09			3.00		9.09
2	Agriculture Development (Drip irrigation, Farm Forestry & Afforesation)	8.78			75.16	111.97	195.91
3	BCI	18.65	0.10	202.35	109.49	250.83	581.42
4	Krishi Vigyan Kendra (KVK) - Agriculture	4.66	85.23				89.89
5	Health & Sanitation	8.11			9.14		17.25
6	Education Programme	3.71					3.71
7	Women / Youth Development	7.71					7.71
8	Skill and Enterprunership Development Programme	25.57	28.45		25.18		79.20
9	Integrated Community Development Programme	94.94					94.94
10	Co-ordination & Administration Expenses	42.41					42.41
11	Capital Expenditure						0.00
	TOTAL	236.97	117.47	202.35	221.97	362.80	1141.56

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.

- Complied.
- Water quality testing is carried out with the help of MoEF&CC certified third party laboratory as per prescribed schedule. Water levels are being recorded in 10 open wells of buffer zone and 2 piezometers are constructed in mines area core zone.
- Data collected is being communicated regularly to CGWA, New Delhi, MoEF&CC Regional office (SEZ) Bhopal, CGWB Regional Director Gandhinagar.
- Ground water level & quality monitoring is being done regularly by establishing a network of ground water monitoring stations. Report is submitted to MoEF&CC regional office Bhopal , CGWA , CGWB and GPCB on yearly basis.: Last submitted on 18.05.2022 vide letter no ACL/EMD/F-14/2022/2506/428.

428
Ambuja Cement
 REGD. A/D

18.05.2022

ACU/EMD/F-14/2022/2506/428

The Director,
 Ministry of Environment, Forest and Climate Change (MoEF&CC),
 Regional Office, Western Region,
 "Kendriya Paraywan Bhawan",
 Link Road No. 3, Raj Bhawan Nagar,
 Bhopal - 462015, (M.P.)

Subject: Regarding submission of Ground Water level & quality monitoring Report of Singars Limestone Mines.

Ref No: 1. EC J-11015/273/2007-IA.II (M) dated 12.05.2010
 2. COM/NOCC/AM/NOCC/2020/8474 dated 19.08.2020

Dear Sir

This is in reference to above mentioned letter to our Singars Limestone Mines Project of M/s. Ambuja Cements Limited, located at village: Singars, Tehsil: Subrapada, District: Gt. Sonmurti, Gujarat.

As per the Environmental Clearance (EC) Specific condition No. XVI, we are pleased to submit Ground Water Level & Ground water Quality Monitoring Report for the year 2021-2022 of pre-monsoon (April-May), monsoon (August), post monsoon (November), and winter (January).

Kindly acknowledge the receipt of the same.

Thanking You,

Yours Faithfully,
 For Ambuja Cements Limited

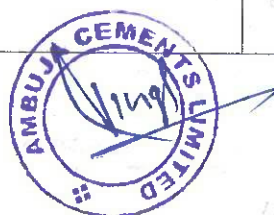
Devendra Singh Chauhan
 Head - Environment
 Encl: As above

CC: 1. The Ministry of Environment, Forest and Climate Change (MoEF&CC), 3rd Floor, Pithai Wing, Indira Paraywan Bhawan, Jai Singh, New Delhi 110003
 2. Regional Director, Central Ground Water Board, West Central Region, Swami Narayan Building, Shah Alam Tola, Ahmedabad (Gujarat) Pin 380022
 3. Central Ground Water Authority, Jangnagar House, 18/11, Main Singh Road Area, New Delhi, Delhi 110001
 4. The Member Secretary, Gujarat Pollution Control Board, Paraywan Bhawan, Sector 10-A, Gandhinagar - 382010
 5. Regional Officer, Gujarat Pollution Control Board, Opp. Anvi's Church, Station Road, Junagadh-362001

Head Office: PO: Ambujanagar - 382 711, Gt. Ambujanagar
 Tel: 02785 21117, 21125
 Phone: 02785 21117, 21125
 Fax: 02785 220248

Ambuja Cements Limited
 REGD. Ambujanagar
 CIN No.: L28540GJ1998PL1004217
 www.ambujacement.com

Corporate Office: Rajpur Business Park, MIDC Zone Phase II, Off. Ambujanagar, Subapur, Ambujanagar (Gt.)
 Mumbai - 400 006, Pincode - 400 006/700



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

Dec-21											
Ground Water Quality Report and Water Level of Singar Limestone Mines											
Sr.No.	Ref.No.	Date	Parameter	Well Water							
				W1	W2	W3	W4	W5	W6	W7	W8
1	Color	4	15	15	15	15	15	15	15	15	15
2	Turbidity NTU	1	1	1	1	1	1	1	1	1	1
3	Total Hardness (as CaCO3) mg/l	200	200	200	200	200	200	200	200	200	200
4	Calcium (as Ca) mg/l	100	100	100	100	100	100	100	100	100	100
5	Magnesium (as Mg) mg/l	100	100	100	100	100	100	100	100	100	100
6	Chloride (as Cl) mg/l	200	200	200	200	200	200	200	200	200	200
7	Sulfate (as SO4) mg/l	200	200	200	200	200	200	200	200	200	200
8	Iron (as Fe) mg/l	1	1	1	1	1	1	1	1	1	1
9	Manganese (as Mn) mg/l	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	Nitrate (as NO3) mg/l	10	10	10	10	10	10	10	10	10	10
11	Fluoride (as F) mg/l	1	1	1	1	1	1	1	1	1	1
12	Alkalinity (as CaCO3) mg/l	200	200	200	200	200	200	200	200	200	200
13	Water Level (in meter)	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2

Feb-22											
Ground Water Quality Report and Water Level of Singar Limestone Mines											
Sr.No.	Ref.No.	Date	Parameter	Well Water							
				W1	W2	W3	W4	W5	W6	W7	W8
1	Color	4	15	15	15	15	15	15	15	15	15
2	Turbidity NTU	1	1	1	1	1	1	1	1	1	1
3	Total Hardness (as CaCO3) mg/l	200	200	200	200	200	200	200	200	200	200
4	Calcium (as Ca) mg/l	100	100	100	100	100	100	100	100	100	100
5	Magnesium (as Mg) mg/l	100	100	100	100	100	100	100	100	100	100
6	Chloride (as Cl) mg/l	200	200	200	200	200	200	200	200	200	200
7	Sulfate (as SO4) mg/l	200	200	200	200	200	200	200	200	200	200
8	Iron (as Fe) mg/l	1	1	1	1	1	1	1	1	1	1
9	Manganese (as Mn) mg/l	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
10	Nitrate (as NO3) mg/l	10	10	10	10	10	10	10	10	10	10
11	Fluoride (as F) mg/l	1	1	1	1	1	1	1	1	1	1
12	Alkalinity (as CaCO3) mg/l	200	200	200	200	200	200	200	200	200	200
13	Water Level (in meter)	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2

- xvii The project proponent shall obtain necessary prior permission of the competent authorities for drawl 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 were being from private water purchasing. As mines developed water requirement is 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 Ambuja Cement Foundation (ACF).Details of work done by ACF in nearby areas is enclosed as under. Descriptive Annexure is also attached as Annexure-1

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year April to Sept. 2022							
Sr. No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp. (Rs. In lakhs)
1	GUJARAT - Kodinar						
	Water Resource Mangement & Drinking Water Projects						
	A. Water Resource Development	16.34	3.69				20.03
	B. Drinking Water Programme	6.09			3.00		9.09
2	Agriculture Development (Drip irrigation, Farm Forestry & Afforestation)	8.78			75.16	111.97	195.91
3	BCI	18.65	0.10	202.35	109.49	250.83	581.42
4	Krishi Vigyan Kendra (KVK) - Agriculture	4.66	85.23				89.89
5	Health & Sanitation	8.11			9.14		17.25
6	Education Programme	3.71					3.71
7	Women / Youth Development	7.71					7.71
8	Skill and Enterprunership Development Programme	25.57	28.45		25.18		79.20
9	Integrated Community Development Programme	94.94					94.94
10	Co-ordination & Administration Expenses	42.41					42.41
11	Capital Expenditure						0.00
	TOTAL	226.97	117.47	202.35	221.97	362.80	1141.56

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

xix	Appropriate mitigative measures shall be taken to prevent pollution of Somat River, Singoda River and Saraswati River in consultation with the State Pollution Control Board.	<ul style="list-style-type: none">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.	<ul style="list-style-type: none">Vehicular emissions are being checked & monitored regularly. Detail of P.U.C certificate by Somnath P.U.C Center (Approved by : Veraval transport commissionerate, Gujarat) is enclosed as under: <div><p>Form 59 (See rules 115 (2))</p><p>Pollution Under Control Certificate</p><p>Authorized by: Gujarat Motor Vehicle Department</p><p>Date: 12/03/2022 Time: 12:48:12 PM Validity upto: 10/03/2023</p><p>Certificate No. GJ03200210001950 Date of Registration: 03/07/2023 Month & Year of Manufacturing: January 2021 Valid Model Number: 1000000000000000 Engine No.: 1000000000000000 Fuel: BSHARAT STAGE VI DIESEL GJ0320021 Pollution Fee: Rs. 100.00 (GST as applicable) No.</p><p>Vehicle Photo with Registration plate 60 mm x 30 mm</p><p>60 mm x 30 mm</p><table><thead><tr><th>Sr. No.</th><th>Pollutant (as applicable)</th><th>Units (as applicable)</th><th>Emission Norms</th><th>Measured Value (upto 2 decimal places)</th></tr></thead><tbody><tr><td>1</td><td>Carbon Monoxide (CO)</td><td>percentage (%)</td><td>5.0</td><td></td></tr><tr><td>2</td><td>Hydrocarbon (THC/HC)</td><td>ppm</td><td>100</td><td></td></tr><tr><td>3</td><td>CO</td><td>percentage (%)</td><td>5.0</td><td></td></tr><tr><td>4</td><td>PM10</td><td>ppm</td><td>3500 ± 200</td><td></td></tr><tr><td>5</td><td>PM2.5</td><td>ppm</td><td>1 ± 0.03</td><td></td></tr><tr><td>6</td><td>Smoke Density</td><td>Light absorption coefficient</td><td>1/metre</td><td>1.02</td></tr></tbody></table><p>This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.</p><p>Note: 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to https://mva.mca.gov.in</p><p>Authorized Signature with stamp of PUC operator</p><p>60 mm x 30 mm</p></div>	Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission Norms	Measured Value (upto 2 decimal places)	1	Carbon Monoxide (CO)	percentage (%)	5.0		2	Hydrocarbon (THC/HC)	ppm	100		3	CO	percentage (%)	5.0		4	PM10	ppm	3500 ± 200		5	PM2.5	ppm	1 ± 0.03		6	Smoke Density	Light absorption coefficient	1/metre	1.02
Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission Norms	Measured Value (upto 2 decimal places)																																	
1	Carbon Monoxide (CO)	percentage (%)	5.0																																		
2	Hydrocarbon (THC/HC)	ppm	100																																		
3	CO	percentage (%)	5.0																																		
4	PM10	ppm	3500 ± 200																																		
5	PM2.5	ppm	1 ± 0.03																																		
6	Smoke Density	Light absorption coefficient	1/metre	1.02																																	
xxi	Drilling and blasting operation shall not be carried out.	<ul style="list-style-type: none">Drilling & 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.	<ul style="list-style-type: none">We carry out digital processing of the entire lease area once in every three year. Year 2019 report has been submitted to MoEF&CC, New Delhi and its Regional Office Bhopal on 02.03.2020 vide letter no ACL/EMD/F-14/2020/2094/87094. <div><p>3744</p><p>ACL/EMD/F-14/2020/2094/87094</p><p>On: 02.03.2020</p><p>The Director (s), Ministry of Environment, Forest and Climate Change (MoEF&CC), Regional Office: Western Region, "Sardar Vallabhbhai Bhawan", Link Road No.5, Ravi Shankar Nagar, Bhopal (M.P.) 462016.</p><p>Subject: Digital processing report of land use pattern & physiography of the entire lease area using remote sensing technique for our Singaur Limestone Mines</p><p>Reference No: EC-J-11015273/2007-IA-II (M) dated May 11th 2010</p><p>Dear Sir,</p><p>This is with reference to EC granted by your good office vide letter No. - J-11015273/2007-IA-II (M) dated May 12th 2010 to our Singaur Limestone Mines Project of M/s Ambuja Cement Limited, located at village Singaur, Tehsil Sutrapada, District Junagadh (Now Gr. Somnath), Gujarat.</p><p>As per the Specific condition No. XXII of the Environment Clearance, we are pleased to submit digital processing report of land use pattern & physiography of the entire lease area using remote sensing technique conducted in October 2019 as Annexure -I.</p><p>This is for your kind information and record please.</p><p>Thanking You, Yours Faithfully, For Ambuja Cement Limited</p><p>Head Environment</p><p>End: As above</p><p>CC: Ministry of Environment, Forest and Climate Change, 3rd Floor, Pillay Vidyut India, Tatyayanar Bhawan, Jor Singh, New Delhi-110002</p><p>Right Office: PO: Ambujapur, PO: 375, Ravi, Bhopal, Dist: Bhopal, MP-462001 Phone: 0672-22117, 22000 Fax: 0672-22001, 22000</p><p>Ambuja Cement Limited Sardar Bhawan, Link Road No.5, Ravi, Bhopal, Dist: Bhopal, MP-462001 www.ambujacement.com</p><p>Corporate Office: Regional Office: District</p></div>																																			



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

xxii i	Land oustees and land losers/affected people should be rehabilitated as per the National Policy on Resettlement and Rehabilitation of project Affected Families (NPRR).	<ul style="list-style-type: none"> There is no permanent structure within the mine premises and compensation for land looser is being done as per rate defined in national R&R policy.
xxi v	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.	<ul style="list-style-type: none"> There is no mineral handling plant at Mine 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.	<ul style="list-style-type: none"> Sewage treatment plant of a capacity 1500 KLD has already been installed & operational at Ambujanagar. No additional colony has been developed at project site. Oil & Grease Separator workshop for capturing of oil & grease from waste used. There is no requirement of ETP.
xxv i	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.	<ul style="list-style-type: none"> Pre-project community health status report has already been submitted to MoEF&CC vide our submission dated 25.12.2010 vide letter no. ACL/EMD/F-16/2010.
xxv ii	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.	<ul style="list-style-type: none"> Pre-placement medical examination and periodical medical examination of the worker men engaged is being regularly carried out at our all existing plant and mines by team of doctors at our occupational health center & Ambuja Multi speciality Hospital; Ambujanagar.
xxv iii	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.	<ul style="list-style-type: none"> All the operators and competent person resides in our existing colony at Ambujanagar, Kodinar. There is no project work at mines area this no such requirement. Whenever such requirement will be generated provision will be set up.
xxi x	The critical parameters such as RSPM (Particulate matter with size less than 10µm 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.	<ul style="list-style-type: none"> Air quality monitoring and water quality monitoring is being done regularly and report is submitted to GPCB & MoEF&CC. Results of Air & Water quality monitoring is being uploaded on the website of the company as well as displayed on display board at the project site near mine office. The Ambient Air Quality monitoring results for the period April'2022 to September'2022 for PM2.5, PM10, SO2, NOx and CO are enclosed as under :



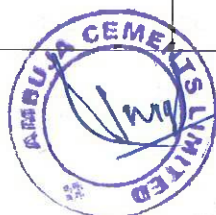
**Compliance Status of Environment Clearance issued to Singars Limestone Mines
Vide MoEF&CC Letter No: J-11015/273/2007-IA.II (M) dated 12th May, 2010**

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.

**Ambient Air Quality Monitoring Results
(April-2022 to September-2022)**

Month	Singars Mines					Working Area					Eastern Boundary					West Boundary				
Unit >	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Apr-22	30.10	45.60	14.60	10.20	BDL	32.50	40.30	13.50	11.60	BDL	28.70	43.50	12.40	13.50	BDL	29.40	38.70	15.50	14.50	BDL
	28.70	45.60	16.90	13.60	BDL	26.90	43.50	14.80	12.50	BDL	30.60	42.50	12.50	11.80	BDL	36.50	41.60	13.60	14.60	BDL
May-22	36.80	46.70	13.60	16.40	BDL	34.50	40.60	11.50	15.40	BDL	35.90	42.50	12.40	17.60	BDL	38.90	43.50	14.60	12.50	BDL
	30.60	46.80	10.60	12.00	BDL	32.50	40.60	12.50	11.30	BDL	33.60	38.90	11.30	16.50	BDL	38.90	42.60	15.40	14.30	BDL
Jun-22	28.60	42.50	12.50	10.60	BDL	30.60	43.60	11.50	12.50	BDL	32.50	44.50	13.60	13.50	BDL	33.50	38.90	10.50	14.80	BDL
	32.50	42.50	12.50	16.80	BDL	28.90	40.50	16.50	15.40	BDL	26.50	36.90	15.40	15.60	BDL	25.80	38.90	14.50	12.50	BDL
Jul-22	26.80	30.60	9.80	16.20	BDL	28.40	32.50	15.60	13.50	BDL	26.90	38.40	16.70	15.90	BDL	29.70	39.60	14.20	14.70	BDL
	26.80	30.60	9.80	16.20	BDL	28.40	32.50	15.60	13.50	BDL	26.90	38.40	16.70	15.90	BDL	29.70	39.60	14.20	14.70	BDL
Aug-22	29.70	36.80	10.50	16.90	BDL	22.50	34.60	12.80	15.20	BDL	24.10	39.70	19.70	14.30	BDL	23.80	35.10	15.40	12.70	BDL
	28.40	32.50	13.70	10.30	BDL	26.90	36.90	14.50	16.90	BDL	28.70	38.70	16.90	15.80	BDL	25.40	35.40	18.20	17.40	BDL
Sep-22	29.50	37.00	18.40	10.20	BDL	24.60	36.80	13.50	13.50	BDL	26.30	37.40	11.20	19.80	BDL	23.80	36.90	10.60	14.50	BDL
	26.90	36.40	16.20	13.20	BDL	25.40	32.60	13.80	11.50	BDL	20.30	39.70	14.20	12.00	BDL	23.80	38.10	11.00	14.80	BDL
Month	Khera village					Moradiya village					Barevala Village					Thordi Village				
Unit >	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Apr-22	29.70	38.70	10.60	11.90	BDL	24.50	39.69	12.50	12.80	BDL	35.40	35.80	13.50	14.60	BDL	36.10	32.60	14.90	16.30	BDL
	28.70	38.90	14.70	13.50	BDL	29.40	37.40	16.50	14.80	BDL	33.50	38.70	14.20	13.80	BDL	30.50	32.80	14.70	14.60	BDL
May-22	30.10	43.50	14.70	14.50	BDL	33.70	36.80	15.60	15.80	BDL	28.70	40.20	16.20	10.30	BDL	29.40	42.50	14.30	16.50	BDL
	28.70	39.70	12.50	10.60	BDL	27.60	37.60	16.70	9.80	BDL	28.90	38.70	13.90	14.60	BDL	36.70	45.80	12.80	14.70	BDL
Jun-22	28.70	39.60	14.60	16.80	BDL	29.60	36.50	13.50	17.60	BDL	28.70	35.40	18.70	10.50	BDL	30.50	40.50	16.90	12.80	BDL
	29.10	33.50	18.70	15.60	BDL	25.60	32.80	14.60	16.80	BDL	32.80	43.60	11.00	12.50	BDL	32.60	40.70	10.40	12.90	BDL
Jul-22	22.60	34.50	12.80	13.50	BDL	23.80	30.30	16.70	11.20	BDL	23.70	32.50	12.90	13.40	BDL	39.40	38.10	15.20	16.80	BDL
	22.60	34.50	12.80	13.50	BDL	23.80	30.30	16.70	11.20	BDL	23.70	32.50	12.90	13.40	BDL	29.40	38.10	15.20	16.80	BDL
Aug-22	29.70	32.10	16.20	14.00	BDL	25.60	33.60	18.30	13.80	BDL	26.80	38.70	12.70	17.20	BDL	22.70	34.70	19.50	16.20	BDL
	23.70	36.10	16.70	12.50	BDL	23.70	33.80	14.30	11.70	BDL	29.40	31.20	19.80	16.90	BDL	26.10	30.10	15.70	13.80	BDL
Sep-22	23.60	31.20	16.90	14.20	BDL	20.50	32.80	12.50	10.50	BDL	30.10	31.60	16.50	13.40	BDL	26.90	39.50	17.60	19.70	BDL
	23.50	30.50	12.30	17.60	BDL	25.90	35.90	10.50	16.30	BDL	25.10	39.40	19.70	16.50	BDL	26.80	36.90	11.40	19.80	BDL

- | | | |
|----------|---|--|
| xxx | <p>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.</p> | <ul style="list-style-type: none"> "Status of Biodiversity (Flora & Fauna) in core and buffer zone areas of Singars Limestone Mine Lease study area is prepared by "Gujarat Institute of Desert Ecology", Bhuj. The same has been submitted to MoEF&CC vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010. |
| xxx
i | <p>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.</p> | <ul style="list-style-type: none"> Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate Change (MoEF&CC) 5 years in advance of final mine closure for approval. |



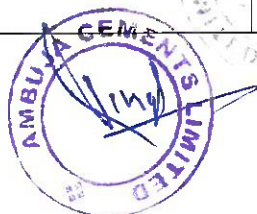
**Compliance Status of Environment Clearance issued to Singars Limestone Mines
Vide MoEF&CC Letter No: J-11015/273/2007-IA.II (M) dated 12th May, 2010**

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.	• We are following the state of art Surface Miner as proposed. In case of any change in the mining technology and scope of working, we will take prior approval from Ministry of Environment, Forest & Climate Change.
ii	No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.	• Point Noted & being complied.
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., PM10), 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.	• Four ambient air quality monitoring (core zone as well as in the buffer zone) locations have been identified as directed and are being monitored as per CPCB/SPCB guidelines. Ambient air quality monitoring reports are enclosed as under:

Ambient Air Quality Monitoring Results (April-2022 to September-2022)																				
Month	Singar Mines					Working Area					Eastern Boundary					West Boundary				
	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
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)
Apr-22	30.10	45.60	14.60	10.20	BDL	32.50	40.30	13.50	11.60	BDL	28.70	43.50	12.40	13.50	BDL	29.40	38.70	15.50	14.50	BDL
	28.70	45.60	16.90	13.60	BDL	26.90	43.50	14.80	12.50	BDL	30.60	42.50	12.50	11.80	BDL	36.50	41.60	13.60	14.60	BDL
	36.80	46.70	13.60	16.40	BDL	34.50	40.60	11.50	15.40	BDL	35.90	42.50	12.40	17.60	BDL	38.90	43.50	14.60	12.50	BDL
May-22	30.60	46.80	10.60	12.00	BDL	32.50	40.60	12.50	11.30	BDL	33.60	38.90	11.30	16.50	BDL	38.90	42.60	15.40	14.30	BDL
	28.60	42.50	12.50	10.60	BDL	30.60	43.60	11.50	12.50	BDL	32.50	44.50	13.60	13.50	BDL	33.50	38.90	10.50	14.80	BDL
Jun-22	32.50	42.50	12.50	16.80	BDL	28.90	40.50	16.50	15.40	BDL	26.50	36.90	15.40	15.60	BDL	25.80	38.90	14.50	12.50	BDL
	26.80	30.60	9.80	16.20	BDL	28.40	32.50	15.60	13.50	BDL	26.90	38.40	16.70	15.90	BDL	29.70	39.60	14.20	14.70	BDL
Jul-22	26.80	30.60	9.80	16.20	BDL	28.40	32.50	15.60	13.50	BDL	26.90	38.40	16.70	15.90	BDL	29.70	39.60	14.20	14.70	BDL
	29.70	36.80	10.50	16.90	BDL	22.50	34.60	12.80	15.20	BDL	24.10	39.70	19.70	14.30	BDL	23.80	35.10	15.40	12.70	BDL
Aug-22	28.40	32.50	13.70	10.30	BDL	26.90	36.90	14.50	16.90	BDL	28.70	38.70	16.90	15.80	BDL	25.40	35.40	18.20	17.40	BDL
	29.50	37.00	18.40	10.20	BDL	24.60	36.80	13.50	13.50	BDL	26.30	37.40	11.20	19.80	BDL	23.80	36.90	10.60	14.50	BDL
Sep-22	26.90	36.40	16.20	13.20	BDL	25.40	32.60	13.80	11.50	BDL	20.30	39.70	14.20	12.00	BDL	23.80	38.10	11.00	14.80	BDL
Month	Khara village					Moradiya village					Barevala Village					Thordi Village				
Unit >	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Apr-22	29.70	38.70	10.60	11.90	BDL	24.50	39.69	12.50	12.80	BDL	35.40	36.80	13.50	14.60	BDL	36.10	32.60	14.90	16.30	BDL
	28.70	38.90	14.70	13.50	BDL	29.40	37.40	16.50	14.80	BDL	33.50	38.70	14.20	13.80	BDL	30.50	32.80	14.70	14.60	BDL
	30.10	43.50	14.70	14.50	BDL	33.70	36.80	15.60	15.80	BDL	26.70	40.20	16.20	10.30	BDL	29.40	42.50	14.30	16.50	BDL
May-22	28.70	39.70	12.50	10.60	BDL	27.60	37.60	16.70	9.80	BDL	28.90	38.70	13.90	14.60	BDL	36.70	45.80	12.80	14.70	BDL
	28.70	39.60	14.60	16.80	BDL	29.60	36.50	13.50	17.60	BDL	28.70	36.40	18.70	10.50	BDL	30.50	40.50	16.90	12.80	BDL
Jun-22	29.10	33.50	18.70	15.60	BDL	25.60	32.80	14.60	16.80	BDL	32.80	43.60	11.00	12.50	BDL	32.60	40.70	10.40	12.90	BDL
	22.60	34.50	12.80	13.50	BDL	23.80	30.30	16.70	11.20	BDL	23.70	32.50	12.90	13.40	BDL	39.40	38.10	15.20	16.80	BDL
	22.60	34.50	12.80	13.50	BDL	23.80	30.30	16.70	11.20	BDL	23.70	32.50	12.90	13.40	BDL	29.40	38.10	15.20	16.80	BDL
	29.70	32.10	16.20	14.00	BDL	25.60	33.60	18.30	13.80	BDL	26.80	38.70	12.70	17.20	BDL	22.70	34.70	19.50	16.20	BDL
Aug-22	23.70	36.10	16.70	12.50	BDL	23.70	33.80	14.30	11.70	BDL	29.40	31.20	19.80	16.90	BDL	26.10	30.10	15.70	13.80	BDL
	23.60	31.20	16.90	14.20	BDL	20.50	32.80	12.50	10.50	BDL	30.10	31.60	16.50	13.40	BDL	26.90	39.50	17.60	19.70	BDL
Sep-22	23.50	30.50	12.30	17.60	BDL	25.90	35.90	10.50	16.30	BDL	25.10	39.40	19.70	16.50	BDL	26.80	36.90	11.40	19.80	BDL

iv	Data on ambient air quality RSPM (Particulate matter with size less than 10µm i.e., PM10), & 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&CC & CPCB. Latest report Submitted on dated 26.05.2022 vide letter no. ACL/EMD/F-16/2022/2520/90453.
----	---	---



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

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.	<ul style="list-style-type: none"> 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. Report of Fugitive Emission monitoring is enclosed as Under :
---	---	---

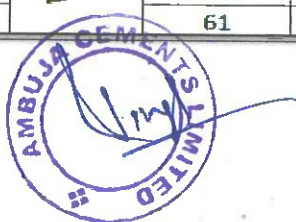
Fugitive Emission Monitoring - (April-2022 to September-2022)			
Month	Haulage Road SPM ($\mu\text{g}/\text{m}^3$)	Nr. Loading Area SPM ($\mu\text{g}/\text{m}^3$)	Working Pit Area SPM ($\mu\text{g}/\text{m}^3$)
Apr-22	1334	2010	1844
May-22	1420	1360	1872
Jun-22	1320	1288	1756
Jul-22	1456	1304	1652
Aug-22	1369	1743	1726
Sep-22	1263	1527	1604

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.	<ul style="list-style-type: none"> 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 routine. All the workers working in high noise areas are being provided with ear plug/ear muffs. Report of ambient noise monitoring as well as HEMM noise monitoring is enclosed as Under :
----	---	---

(a)

Ambient Noise Level Monitoring - Singesar Mines (April-2022 to September-2022)						
Month	Noise Levels in dB(A)					
	Near Surface Miner		Hual road		Mines offices	
	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)
Apr-22	65	59	68	61	57	53
May-22	71	70	69	62	67	61
Jun-22	66	63	65	64	63	59
Jul-22	69	58	69	62	67	59
Aug-22	67	54	64	62	59	69
Sep-22	68	62	66	58	60	54

(b)	Noise Level of HEMM distance - Singesar Mines (April-2022 to September-2022)								
Machine	Surface Miner			Loader			Dozer		
Month	Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)	
		At 5m.	At 10m.		At 5m.	At 10m.		At 5m.	At 10m.
		Leq	Leq		Leq	Leq		Leq	Leq
Apr-22	While dozing the material	68	66	While loading to tipper	73	66	While mining	70	65
May-22		66	58		74	69		68	67
Jun-22		69	67		71	67		67	62
Jul-22		67	68		71	67		72	67
Aug-22		68	68		68	69		68	65
Sep-22		64	63		61	60		67	64



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

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.	<ul style="list-style-type: none"> No waste water generation from Mines, only negligible amount of waste water generated from workshop, which is being treated at baffle type oil and grease separation system and treated water is being used for Dust Suppression on Haul roads.
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.	<ul style="list-style-type: none"> Dust Masks, Safety Shoes, Safety Goggles & Helmet are provided to each & every personnel working in the mine area. Periodic Health check up is being done for personnel working in mines area. Work area monitoring for air borne dust is carried out regularly on monthly basis, monitoring results are enclosed as under.

Air Borne Dust Survey (April-2022 to September-2022)											
Machine : Surface Miner				Machine : Dozer				Machine Loader			
Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)
7-Apr-22	14:00-22:00	Inside Cabin	0.36	8-Apr-22	14:00-22:00	Inside Cabin	0.39	9-Apr-22	14:00-22:00	Inside Cabin	0.34
5-May-22	6:00-14:00		0.34	6-May-22	6:00-14:00		0.41	7-May-22	6:00-14:00		0.31
27-Jun-22	14:00-22:00		0.31	28-Jun-22	14:00-22:00		0.36	29-Jun-22	14:00-22:00		0.40
18-Jul-22	6:00-14:00		0.37	19-Jul-22	6:00-14:00		0.35	20-Jul-22	6:00-14:00		0.30
25-Aug-22	14:00-22:00		0.31	26-Aug-22	14:00-22:00		0.35	27-Aug-22	14:00-22:00		0.27
2-Sep-22	06:00-14:00		0.40	3-Sep-22	06:00-14:00		0.35	4-Sep-22	06:00-14:00		0.38

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 undertaken periodically by our Occupational Health Centre.

Singsar Limestone Mines, Emp. No. 209214 (Mine)

FORM - M
(See Rule 29 D)

Notice of Initial/Periodical medical examination under rule 29 B

No. _____ Date: 01/10/2022

Sr/Bst. Saranodex Modasiva Nature of employment Mining Foreman, serial number from A register 55, "Saranodex Modasiva" of Singsar Limestone Mines is hereby notified the holder should present himself/herself for an initial/periodical medical examination, under Rule 29B of the Mines, Rules, 1955, before _____ (give date) at AMBUJA HOSPITAL, (give time).

Sr/Bst. Saranodex Modasiva may note that if he/she fails, without reasonable cause, to submit himself/herself for the medical examination aforesaid he/she shall not be eligible for appointment/continuance in employment in the Mines from SINGSAR LIMESTONE MINES.

Sr/Bst. Saranodex Modasiva may further note that he/she should bring with him/her three unaltered photographs of himself/herself and the previous medical certificate in Form O, if any, issued to him/her under Rule 29 F.

Signature of Manager
MINES MANAGER
Singsar Limestone Mines
Ambuja Cement Limited
Vill. Singsar, Tal. Sahaspur,
Dist. Sahaspur, Gujarat-382 014

* Delete whatever is not applicable.
** Necessary only in case of person already employed in the Mine.
*** In respect of initial medical examination of person already employed in a mine in respect of every periodical medical examination, at least twenty days prior notice is to be given. In respect of the initial medical examination of a person seeking employment at a mine the period of notice may be shorter.

Note: A copy of the notice shall be sent to the examining authority concerned. In the case of periodical medical examination the copy of medical certificate in Form-O shall also be sent.

Singsar Limestone Mines, Emp. No. 209214 (Mine)

FORM - O
(See Rule 29 F(2) and 29 L)

Report of Medical Examination under Rule 29B
(To be issued in triplicate)

Certificate No. _____

Certificate that Shri/Smt. Saranodex Modasiva employed as Mining Foreman in SINGSAR LIMESTONE MINES, Form A No. 55, has been examined for an initial/periodical medical examination. He/She appears to be DOB 12.01.1986 Years of age. The findings of the examining authority are given in the attached sheet. It is considered that Shri/Smt. Saranodex Modasiva

* (a) is medically fit for any employment in mines,
* (b) is suffering from _____ and is medically unfit for:
(i) any employment in mines; or
(ii) any employment below ground; or
(iii) any employment of work
(c) is suffering from _____ and should be again examined within a period of _____ months. He/She will appear for re-examination with the result of test of _____ and the opinion of _____ specialist from _____
He/She may be permitted/not permitted to _____ when duties during this period.

Signature of the Examining Authority
Name and Designation in Block: DR. LAKSHMI CHANDRASEKHAR
Letters: MD, MBBS, DPM, DRC
Place: AMBUJA HOSPITAL
Date: 01/10/2022

* Delete whatever is not applicable.
** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to Manager of the mine reported by register post, and the third copy shall be retained by the examining authority.



Daily Tool Box Talk at Workplace



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

ix	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.	<ul style="list-style-type: none"> A well established Environmental Management Division (EMD) with suitable qualified personnel is in place. Head of environmental management cell directly report to the Unit Head (Jt. president) of the organization. EMD organization chart is enclosed as under: <div style="text-align: center;"> <pre> graph TD A[Unit Head] --> B[Head Environment] B --> C[Assistant Manager - Environment] B --> D[vacant] </pre> </div>
x	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.	<ul style="list-style-type: none"> Details of capital and recurring expenditure for environmental protection measures are enclosed as under:

Expenditure incurred in Environment Management Plan - SINGAR MINES		
A. Capital Investment for Environmental Monitoring:		
S.No	Particulars	Cost (In Lacs)
1	Monitoring Equipments	37.08
2	Environment Laboratory	10
3	Others (Monitoring Van, DG Sets etc.	10
	Total (In Lacs INR)	57.08
B. Recurring Expenditure for the period of April'2022 to September'2022		
S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	27.47
2	Manpower Cost *	12.15
3	House Keeping	1.19
4	Other Env. Protection (Environmental Monitoring)	1.73
5	Environment Awareness *	1.43
	Total (In Lacs INR)	43.68
* Expenditures are Common for All the Plants & Mines.		

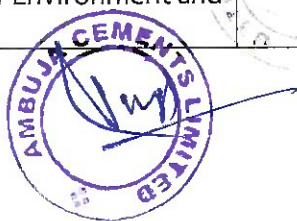
Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year April to Sept. 2022							
Sr. No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp. (Rs. In lakhs)
	GUJARAT - Kodinar						
1	Water Resource Mangement & Drinking Water Projects						
	A. Water Resource Development	16.34	3.69				20.03
	B. Drinking Water Programme	6.09			3.00		9.09
2	Agriculture Development (Drip irrigation, Farm Forestry & Afforestation)	8.78			75.16	111.97	195.91
3	BCI	18.65	0.10	202.35	109.49	250.83	581.42
4	Krishi Vigyan Kendra (KVK) - Agriculture	4.66	85.23				89.89
5	Health & Sanitation	8.11			9.14		17.25
6	Education Programme	3.71					3.71
7	Women / Youth Development	7.71					7.71
8	Skill and Enterprunership Development Programme	25.57	28.45		25.18		79.20
9	Integrated Community Development Programme	94.94					94.94
10	Co-ordination & Administration Expenses	42.41					42.41
11	Capital Expenditure						0.00
	TOTAL	236.97	117.47	202.35	221.97	362.80	1141.56

xi	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.	<ul style="list-style-type: none"> Regular six monthly environmental clearance compliance reports are being submitted to MoEF&CC. Last submission was on dated 26.05.2022 vide letter no. ACL/EMD/F-16/2022/2520/90453.
----	--	--



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

xii	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.	<ul style="list-style-type: none"> Point noted and will be complied. Full support and co-operation is being extended during the visit of officers from Ministry of Environment & Forest, CPCB as well as GPCB.
xiii	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.	<ul style="list-style-type: none"> Half yearly compliance status report is being regularly submitted and last submission was on dated 26.05.2022 vide letter no. ACL/EMD/F-16/2022/2520/90453.
xiv	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.	<ul style="list-style-type: none"> Complied A copy of clearance letter has been sent to Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body as applicable.
xv	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.	<ul style="list-style-type: none"> Complied GPCB is the concerned authority for the same.
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.	<ul style="list-style-type: none"> Environmental statement (Form-V) is being regularly submitted to concern authority for each financial year. Last Environment Statement (2021-2022) submitted on 07.07.2022 vide letter no. ACL/EMD/F-22/2022/2598/60675.



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

<p>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.</p>	<ul style="list-style-type: none"> • Complied • Advertisement was published in two local newspapers are enclosed as under. • Copy of advertisement has been submitted to MoEF & CC on 10.07.2010 vide letter no. ACL/EMD/MOEF/SINGSAR/2010/52044
--	--

Ambuja Cement
RECO-AD

ACL/EMD/MOEF/SINGSAR/2010/52044
Dated: 10/07/2010

To,
Dr. A. Mahendra, Director (S),
Regional Office, Western Region,
"Kandarya Paryavaran Bhawan",
Link Road No. 3, Ravi Shankar Nagar,
Bhopal - 462016 (M.P.)
OTRS-2460054, 2460015, Fax - 2443123

Subject: Singсар Limestone Mining Project of M/s. Ambuja Cements Ltd.
Located in Village - Singсар, Taluka - Sutrapada, District - Junagadh
of Gujarat. State.
Your letter No. J-11015/273/2007-IA.II dated 04.05.2010

Sir,

This has reference to above subject, with cc: submitting herewith following documents / information with respect to Singсар Limestone Mining Project as desired by you.

(1) Present status of work progress - Obtaining of Mining Lease Grant in progress.

(2) Point wise compliance status to various stipulations with supporting documents & reports of Environmental Clearance No. J-11015/273/2007-IA.II (M) dated 12.05.2010 (Copy enclosed as Annexure-1).

(3) Copies of -
• Consent to Establish / Operate from GPCB - Applied for Consent to Establish & Operate.
• Recommendations of the Public Hearing Minutes - Copy Enclosed as Annexure-2.
• The copy of advertisement - Copy Enclosed as Annexure-3.

(4) Data sheet - Data sheet is enclosed as Annexure-4.

We are also enclosing herewith soft copy of the all above documents. We hope that you will find all above information to order please. In case of any further clarification / information we shall be pleased to provide the same.

Thanking You,

Yours faithfully,
For Ambuja Cements Limited,
A. M. Pandey
Dy. Manager (CAS)

Encl. As above

Ambuja Cements Limited
Bhopal
Head Office (P.O. Ambujanagar) 362715, Tal. Kodinar Dist. Junagadh Gujarat
Phone : (079) 221137, 220055, 227465, Fax : (079) 220054, 220052

Business Standard WEDNESDAY 19 MAY 2010
AHMEDABAD

PUBLIC NOTICE

This is to inform all concerned that the Ministry of Environment and Forest, Government of India, New Delhi has accorded Environmental Clearance vide its letter no. J- 11015/273/2007-IA.II(M) dated 12th May 2010, to Singсар Limestone Mining project of M/s. Ambuja Cements Limited located in Village Singсар, Tehsil-Sutrapada, District-Junagadh, Gujarat. Copy of the said clearance letter is available with the State Pollution Control Board & may also be seen at web site of the Ministry of Environment & Forests at <http://envfor.nic.in>

Ambuja Cements Limited
PO. Ambujanagar-362715, Taluka-Kodinar, District-Junagadh.

જય હિન્દ રાજકોટ, મંગળવાર, તા. ૧૮-૫-૨૦૧૦

જાહેર સુચના

આથી સુચિત કરવામાં આવે છે કે, અંબુજા સીમેન્ટ લીમિટેડના મોનો સીંગસર તાલુકો સુત્રપાડા જિલ્લો જૂનાગઢના સીંગસર લાઈમસ્ટોન માઈનીંગ પ્રોજેક્ટને ઓનિસ્ટ્રી ઓફ એનવાયરમેન્ટ એન્ડ ફોરેસ્ટની ભારત સરકાર નવી દિલ્હીએ તેમના પત્ર ક્રમાંક J-11015/273/2007/IA.II(M) તા. ૧૨ મે ૨૦૧૦ દ્વારા પર્યાવરણીય મંજૂરી આપેલ છે. સદર પત્રની નકલ ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ ગાંધીનગર તથા ઓનિસ્ટ્રી ઓફ એનવાયરમેન્ટ એન્ડ ફોરેસ્ટની વેબસાઈટ <http://envfor.nic.in> પર જોવા મળશે.

અંબુજા સીમેન્ટ લીમિટેડ
મુ. પો અંબુજા નગર ૩૬૨૭૧૫ તા. કોડીનાર જિ. જૂનાગઢ

