adani
Cement

MAY-24/415

REGD. A/D

ACL/EMD/F-16/2024/2560 **Dt.15.05.2024**

The Deputy Director general of forest (C),
Ministry of Environment, Forest and Climate Change (MoEF&CC),
Integrated Regional Office, Gandhinagar, A-Wing – 407 & 409,
"Aranya Bhavan", Near CH-3 circle ,Sector-10A,
Gandhinagar – 382010(Gujarat)

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 **(October'2023 to March'2024)** 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.

Ambuja Cements Limited
Unit : Ambujanagar
Tehsil : Kodinar, Dist : Gir Somnath (Gujarat)
PO : Ambujanagar – 362715
Ph : +91 (02795) 237025, 237372

CIN : L26942GJ1981PLC004717

Registered Office:
Adani Corporate House
Shantigram, S. G. Highway
Khodiyar, Ahmedabad – 382 421
Gujarat, India
Ph +91 79-2555 5555
www.ambujacement.com

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS
Ministry of Environment, Forest and Climate Change
Integrated Regional Office (Guj.), Gandhinagar.
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 12.05.2010
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**	:	❖ 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

AMBUJA CEMENTS LIMITED

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 October'2023 to March'2024

S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	16.74
2	Manpower Cost *	8.31
3	House Keeping	2.07
4	Other Env. Protection (Environmental Monitoring)	1.59
5	Environment Awareness *	0.71
	Total (In Lacs INR)	29.42

* Expenditures are Common for All the Plants & Mines.

Ambuja Cement Foundation - Ambujanagar

Details for programme wise expenditure for the year Oct-2023 to March-2024

(Rs. In lakhs)

Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds 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 Devlopment	3.22		6.50			9.72
	B .Drinking Water Programme	1.67			5.25		6.92
2	Agriculture Development(Drip irrigation, Farm Forestry & Afforesation)	31.02		89.78	202.95	301.22	624.97
3	Better Cotton and others	2.64		184.17	25.43		212.24
4	Krishi Vigyan Kendra (KVK) - Agriculture	3.90	96.95				100.85
5	Health & Sanitation	29.24			17.46	55.35	102.05
6	Education Programme	14.64					14.64
7	Women / Youth Development	19.16					19.16
8	Skill and Enterprunership Development Programme	60.99			38.54		99.53
9	Integrated Community Development Programme	219.32					219.32
10	Co-ordination & Administration Expenses	15.78					15.78
11	Capital Expenditure	2.02					2.02
	TOTAL	403.60	96.95	280.45	289.63	356.57	1427.20

	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.	:	**Rs.9.3841 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 hence applicable.
	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	:	**12.10.10 to 13.10.10 by Dr. A. Mehrotra MoEFCC ,**

AMBUJA CEMENTS LIMITED

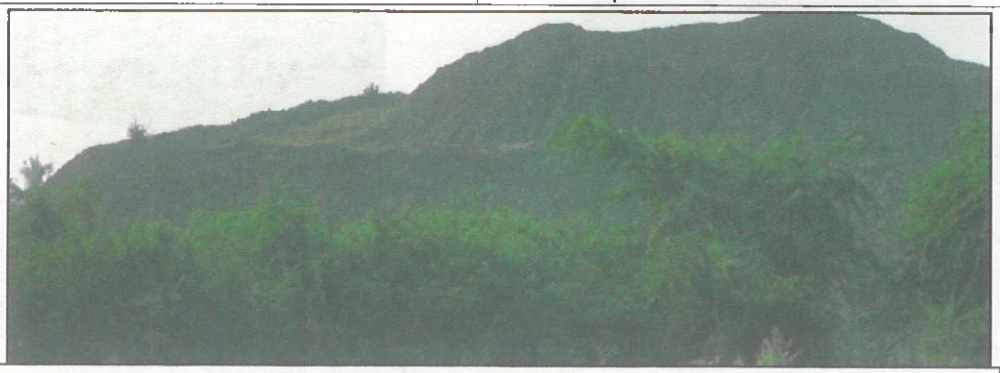
	by the Regional Office on previous occasions, if any.		Regional Office, Bhopal
	b) Date of site visit for this monitoring report	:	12.10.10 to 13.10.10
15	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits)	:	• Half yearly compliance status report is being regularly submitted and last submission was on **dated 20.11.2023 vide letter ACL/EMD/F-16/2023/2585/82000**

*****

AMBUJA CEMENTS LIMITED

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

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.	• 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.	• 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.
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 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.	• 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.	• 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.	• 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.	Compliance Status is as under. • 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.
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.	• 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.



TOP SOIL IS USED FOR GREENBELT AND PASTURE LAND DEVELOPMENT

AMBUJA CEMENTS LIMITED

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

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 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.	• 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	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 is being converted in to water bodies as per approved mining plan from IBM. • 420.0 meter brick wall and 1275 meter barbed wire meters of Fencing has been done from **October'2023 to March'2024.** • Peripheral fencing work is going on along the excavated area. Total 11982.06 meter brick wall, 35030.83 meter barbed wire and 48317.9625 meter earthen bunds Fencing has been done till March'2024.

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

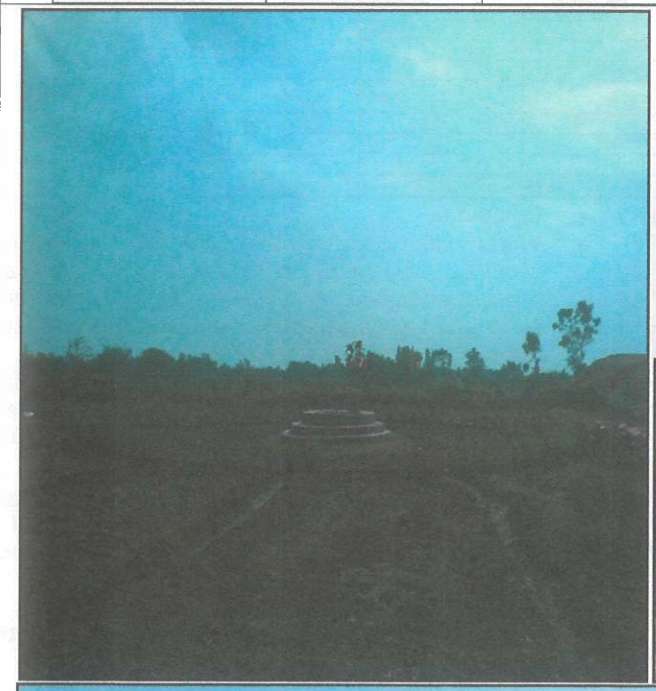
AMBUJA CEMENTS LIMITED

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

xiii	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.	• Plantation Done From during OCtober'2023 to March'2024 is 2071 nos. Total Cumulative plantation till March'2024 is 7675 Nos. • Till March 2024, 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	169.8596	2.1645	16.4309	54.1287



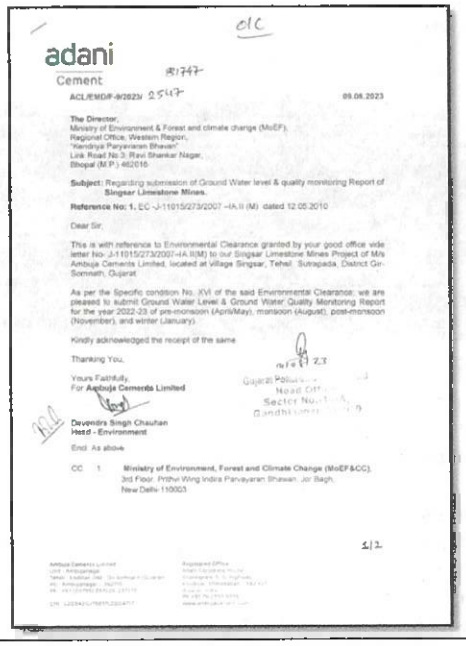
xiv	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. 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 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	• Rainwater harvesting measures to augment ground water resources in the area is being done by **Ambuja**

AMBUJA CEMENTS LIMITED

	resources in the area in consultation with the Regional Director, Central Ground Water Board.	**Cement Foundation (ACF).** Glimpses about ACF & community development work done by ACF in surrounding areas are enclosed as under.

Ambuja Cement Foundation - Ambujanagar
Details for programme wise expenditure for the year Oct-2023 to March-2024
(Rs. In lakhs)

Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds 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 Devlopment	3.22		6.50			9.72
	B .Drinking Water Programme	1.67			5.25		6.92
2	Agriculture Development(Drip Irrigation, Farm Forestry & Afforesation)	31.02		89.78	202.95	301.22	624.97
3	Better Cotton and others	2.64		184.17	25.43		212.24
4	Krishi Vigyan Kendra (KVK) - Agriculture	3.90	96.95				100.85
5	Health & Sanitation	29.24			17.46	55.35	102.05
6	Education Programme	14.64					14.64
7	Women / Youth Development	19.16					19.16
8	Skill and Enterprunership Development Programme	60.99			38.54		99.53
9	Integrated Community Development Programme	219.32					219.32
10	Co-ordination & Administration Expenses	15.78					15.78
11	Capital Expenditure	2.02					2.02
	TOTAL	403.60	96.95	280.45	289.63	356.57	1427.20

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 Integrated Regional office (SEZ) Gandhinagar, 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 & Integrated regional office Gandhinagar, CGWA , CGWB and GPCB on yearly basis.: **Last submitted on 09.08.2023 vide letter no ACL/EMD/F-9/2023/2547/81747.** 

adani
Cement

ACL/EMD/F-9/2023/ 2547 81747 09.08.2023

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

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

Reference No: 1. EC -J-11015/273/2007 -IA.II (M) dated 12.05.2010

Dear Sir,

This is with reference to Environmental Clearance granted by your good office vide letter No- J-11015/273/2007-IA.II(M) to our Singsar Limestone Mines Project of M/s Ambuja Cements Limited, located at village Singsar, Tehsil- Sutrapada, District Gir-Somnath, Gujarat.

As per the Specific condition No. XVI of the said Environmental Clearance, we are pleased to submit Ground Water Level & Ground Water Quality Monitoring Report for the year 2022-23 of pre-monsoon (April/May), monsoon (August), post-monsoon (November), and winter (January).

Kindly acknowledged the receipt of the same

Thanking You.

Yours Faithfully,
For **Ambuja Cements Limited**

Devendra Singh Chauhan
Head - Environment

Encl: As above

CC 1. **Ministry of Environment, Forest and Climate Change (MoEF&CC),**
3rd Floor, Pritvi Wing Indira Parvayaran Bhawan, Jor Bagh,
New Delhi-110003

1/2

Jan-24 — Ground Water Quality Report and Water Level of Singsar Limestone Mines

Sr.No.	Ref.No.	IS 10500:2012 (S.R)		Well Water						Piezometers	
		Desirable	Permissible								
	Source			W1	W3	W4	W7	W8	W10	PIEZO NO-1	PIEZO NO-2
	Village			SINGSAR	SINGSAR	SINGSAR	SINGSAR	SINGSAR	SINGSAR	SINGSAR	SINGSAR
	Taluka			SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA
	District			GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH
1	Color Hazen Units	5	15	2.08	2.08	2.08	2.08	2.08	2.08	3.12	3.12
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Taste	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity NTU	1	5	1.38	1.38	1.57	1.88	0.85	0.59	0.64	0.69
5	pH at 25°C	6.5 to 8.5	No Relaxation	7.76	7.76	8.49	8.5	8.12	8.08	7.91	7.77
6	Dissolved Solids mg/l	500	2000	1870	1870	408	392	1772	688	862	796
7	Total Hardness (as CaCO3) mg/l	200	600	704	704	260	240	708	392	328	296
8	Calcium (as Ca) mg/l	75	200	146	146	53	48	147	77	66	66
9	Magnessium (as Mg) mg/l	30	100	83	83	31	29	83	49	40	32
10	Chlorides (as Cl) mg/l	250	1000	672	672	56	60	600	128	280	260
11	Sulphates (as SO4) mg/l	200	400	114	114	42	39	115	63	53	49
12	Nitrates (as NO3) mg/l	45	No Relaxation	22.56	22.56	1.89	2.95	28.80	19.77	39.05	40.45
13	Fluorides (as F) mg/l	1	1.5	0.18	0.18	0.05	0.05	0.17	0.15	0.61	0.60
14	Alkalinity (as CaCO3) mg/l	200	600	180	180	120	176	140	264	340	248
	Water Level (in meter)			9.1	12.1	12	9.9	12.7	12.3	11.70	11.9

Opinion for potability is given considering above 14 Test Parameters only.

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.	• No extraction of ground water has been done so far. As mines developed water requirement is met from harvested rainwater 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 Oct-2023 to March-2024

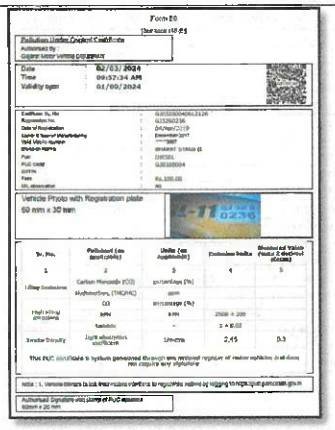
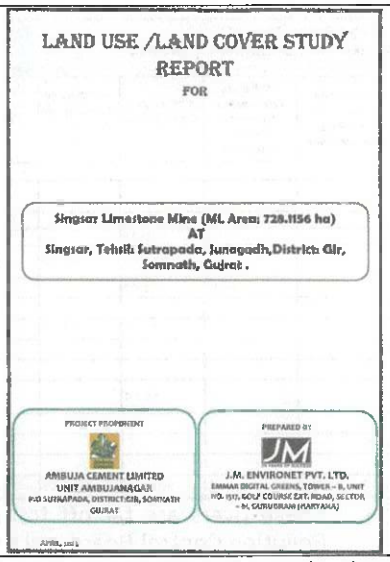
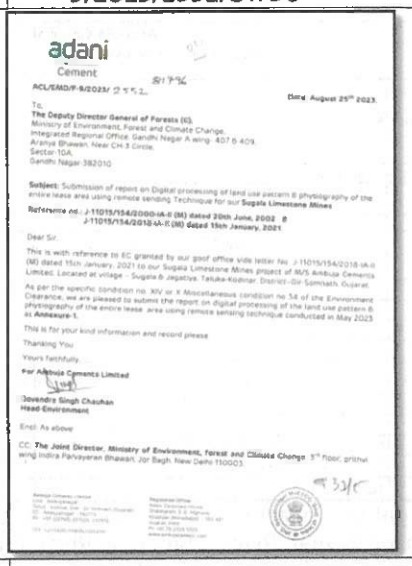
(Rs. In lakhs)

Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds 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 Devlopment	3.22		6.50			9.72
	B .Drinking Water Programme	1.67			5.25		6.92
2	Agriculture Development(Drip irrigation, Farm Forestry & Afforesation)	31.02		89.78	202.95	301.22	624.97
3	Better Cotton and others	2.64	-	184.17	25.43		212.24
4	Krishi Vigyan Kendra (KVK) - Agriculture	3.90	96.95				100.85
5	Health & Sanitation	29.24			17.46	55.35	102.05
6	Education Programme	14.64					14.64
7	Women / Youth Development	19.16					19.16
8	Skill and Enterprunership Development Programme	60.99			38.54		99.53
9	Integrated Community Development Programme	219.32					219.32
10	Co-ordination & Administration Expenses	15.78					15.78
11	Capital Expenditure	2.02					2.02
	TOTAL	403.60	96.95	280.45	289.63	356.57	1427.20

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.	• 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.	• Vehicular emissions are being checked & monitored regularly. Detail of P.U.C certificate by Shiv P.U.C Center (Approved by : Gujarat motor vehicle department, Gujarat) is enclosed as under:

AMBUJA CEMENTS LIMITED

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

		 • All vehicles used for transportation of raw materials are being covered properly & Not Over loaded.
xxi	Drilling and blasting operation shall not be carried out.	• 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.	• We carry out digital processing of the entire lease area once in every three year. Year 2023 report has been submitted to MoEF&CC, New Delhi and its Integrated Regional Office Gandhinagar on **Dated 25.08.2023 vide letter no ACL/EMD/F-9/2023/2552/81796**
	 LAND USE /LAND COVER STUDY REPORT FOR Singsar Limestone Mine (ML Area: 728.1156 ha) AT Singsar, Tehsil: Sutrapada, Junagadh, District: Gir, Somnath, Gujrat. PROJECT PROPONENT AMBUJA CEMENT LIMITED UNIT AMBUJANAGAR P.O SUTRAPADA, DISTRICT:GIR, SOMNATH GUJRAT PREPARED BY J.M. ENVIRONET PVT. LTD. EMMAR DIGITAL GREENS, TOWER – B, UNIT NO. 1517, GOLF COURSE EXT. ROAD, SECTOR – 61, GURUGRAM (HARYANA)	 adani Cement ACL/EMD/F-9/2023/ 2552 81796 Date: August 25th 2023 To, The Deputy Director General of Forests (E), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Gandhi Nagar A wing, 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhi Nagar 382010 Subject: Submission of report on Digital processing of land use pattern & physiography of the entire lease area using remote sending Technique for our Sugala Limestone Mines Reference no.: J-11015/154/2000-IA-II (M) dated 20th June, 2002 & J-11015/154/2018-IA-II (M) dated 15th January, 2021 Dear Sir, This is with reference to EC granted by our goof office vide letter No. J-11015/154/2018-IA-II (M) dated 15th January, 2021 to our Sugala Limestone Mines project of M/S Ambuja Cements Limited. Located at village – Sugala & Jagatiya, Taluka-Kodinar, District-Gir Somnath, Gujarat. As per the specific condition no. XIV or X Miscellaneous condition no 54 of the Environment Clearance, we are pleased to submit the report on digital processing of the land use pattern & physiography of the entire lease area using remote sensing technique conducted in May 2023 at Annexure-1. This is for your kind information and record please Thanking You Yours faithfully For Ambuja Cements Limited Govendra Singh Chauhan Head-Environment Encl: As above CC: The Joint Director, Ministry of Environment, Forest and Climate Change 3rd floor, prithvi wing Indira Parivayaran Bhawan, Jor Bagh, New Delhi 110003
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).	• 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.
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 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.	• 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.

AMBUJA CEMENTS LIMITED

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

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 already been submitted to MoEF&CC 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 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.
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 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.
xxix	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. 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&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 October'2023 to March'2024 for PM2.5, PM10, SO2, NOx and CO are** enclosed as under :

Ambient Air Quality Monitoring Results (October 2023 to March 2024)

Month	Ambient Air Quality Monitoring Results																			
	Singsar Mines office					Working Area					Eastern Boundary					West Boundary				
	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. 2023	15.3	44.8	12.9	18.8	BDL	12.8	42.7	13.2	19.6	BDL	13.2	46.3	14.6	22.4	BDL	14.6	41.5	12.7	21.4	BDL
	12.8	43.5	13.2	20.4	BDL	13.5	44.9	14.1	21.6	BDL	14.2	42.8	12.8	22.1	BDL	15.4	41.9	13.6	19.6	BDL
Nov.2023	18.9	50.4	15.6	21.3	BDL	22.4	51.3	17.2	22.4	BDL	21.6	48.6	14.5	19.8	BDL	19.47	49.7	13.8	20.6	BDL
	20.7	50.4	15.6	21.1	BDL	21.8	52.6	17.2	23.8	BDL	19.7	49.7	16.3	22.4	BDL	18.3	51.3	17.1	20.5	BDL
Dec.2023	24.3	45.2	18.6	21.6	BDL	22.7	44.6	16.7	22.8	BDL	24.2	43.8	15.8	25.4	BDL	25.4	42.8	20.4	23.8	BDL
	21.6	47.2	15.6	21.8	BDL	23.8	43.8	14.2	22.6	BDL	25.7	45.6	17.3	21.8	BDL	27.1	48.2	15.8	24.6	BDL
Jan. 2024	25.7	43.7	17.6	21.9	BDL	23.8	48.2	15.8	23.7	BDL	24.2	49.7	16.2	22.9	BDL	26.9	51.6	14.3	24.6	BDL
	24.2	45.2	14.3	22.6	BDL	25.3	42.9	12.8	21.7	BDL	24.8	46.7	13.6	23.8	BDL	23.9	48.1	15.4	24.3	BDL
Feb. 2024	26.8	51.7	18.6	23.6	BDL	29.3	52.8	20.4	25.1	BDL	28.2	48.3	21.3	24.3	BDL	30.4	52.4	19.7	22.7	BDL
	28.3	48.8	17.6	22.4	BDL	29.1	52.3	15.8	23.8	BDL	32.4	51.6	16.3	25.1	BDL	31.8	49.4	17.1	24.9	BDL
March 2024	34.8	53.6	20.4	27.8	BDL	32.7	54.2	18.9	26.3	BDL	33.9	55.7	22.4	28.1	BDL	35.7	52.3	21.9	26.9	BDL
	31.4	53.2	19.3	27.4	BDL	30.8	50.6	21.4	25.9	BDL	32.6	51.1	18.8	26.7	BDL	34.1	54.7	22.4	28.3	BDL
Month	Khera village					Moradiya village					Barevala Village					Thordi Village				
	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. 2023	11.9	42.7	15.4	21.7	BDL	12.1	41.9	13.6	19.6	BDL	14.3	40.6	11.8	18.2	BDL	15.1	46.2	12.9	17.9	BDL
	13.8	45.8	12.3	23.4	BDL	12.9	43.6	11.7	18.4	BDL	11.8	45.3	14.3	18.7	BDL	14.2	42.7	12.9	20.3	BDL
Nov.2023	23.1	52.4	17.2	20.7	BDL	21.6	51.6	14.3	19.7	BDL	22.8	53.1	16.8	22.4	BDL	20.4	48.7	13.4	23.6	BDL
	18.2	48.7	14.3	23.1	BDL	20.6	49.9	15.8	19.7	BDL	22.4	52.4	17.3	22.4	BDL	21.8	50.7	16.4	21.8	BDL
Dec.2023	23.8	46.2	21.6	24.2	BDL	24.9	48.1	18.3	25.1	BDL	21.6	42.6	15.4	26.3	BDL	20.9	44.8	16.7	24.4	BDL
	22.6	45.1	13.8	23.5	BDL	21.9	42.9	12.7	24.8	BDL	23.2	43.6	15.1	23.6	BDL	24.1	44.7	12.4	20.8	BDL
Jan. 2024	22.1	49.3	18.4	27.3	BDL	25.3	42.8	17.3	24.6	BDL	24.1	45.6	16.2	21.8	BDL	25.6	48.7	15.4	22.3	BDL
	25.1	45.9	14.3	23.3	BDL	24.9	44.3	15.8	22.9	BDL	27.1	43.9	16.2	24.8	BDL	23.8	49.3	17.1	25.7	BDL
Feb. 2024	32.6	49.6	18.5	24.1	BDL	31.7	51.1	17.9	23.8	BDL	33.8	47.5	22.4	25.4	BDL	31.8	42.6	21.8	27.6	BDL
	28.6	50.7	19.4	23.7	BDL	31.9	49.8	15.9	27.1	BDL	30.5	54.1	14.7	24.4	BDL	29.7	47.9	16.3	24.3	BDL
March 2024	31.4	51.9	23.7	28.4	BDL	35.6	53.2	24.3	27.1	BDL	32.9	50.6	22.8	25.6	BDL	33.1	54.7	21.1	26.4	BDL
	33.6	52.4	21.7	25.1	BDL	32.7	51.6	20.9	27.5	BDL	30.6	50.9	23.3	29.3	BDL	32.8	53.1	22.6	28.2	BDL

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	• "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&CC vide our submission dated **25.12.2010 vide letter no.ACL/EMD/F-16/2010.**

AMBUJA CEMENTS LIMITED

	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.	
xxx i	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.	• 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.
	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 (October 2023 to March 2024)

Month	Ambient Air Quality Monitoring Results																			
	Singsar Mines office					Working Area					Eastern Boundary					West Boundary				
	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. 2023	15.3	44.8	12.9	18.8	BDL	12.8	42.7	13.2	19.6	BDL	13.2	46.3	14.6	22.4	BDL	14.6	41.5	12.7	21.4	BDL
	12.8	43.5	13.2	20.4	BDL	13.5	44.9	14.1	21.6	BDL	14.2	42.8	12.8	22.1	BDL	15.4	41.9	13.6	19.6	BDL
Nov.2023	18.9	50.4	15.6	21.3	BDL	22.4	51.3	17.2	22.4	BDL	21.6	48.6	14.5	19.8	BDL	19.47	49.7	13.8	20.6	BDL
	20.7	50.4	15.6	21.1	BDL	21.8	52.6	17.2	23.8	BDL	19.7	49.7	16.3	22.4	BDL	18.3	51.3	17.1	20.5	BDL
Dec.2023	24.3	45.2	18.6	21.6	BDL	22.7	44.6	16.7	22.8	BDL	24.2	43.8	15.8	25.4	BDL	25.4	42.8	20.4	23.8	BDL
	21.6	47.2	15.6	21.8	BDL	23.8	43.8	14.2	22.6	BDL	25.7	45.6	17.3	21.8	BDL	27.1	48.2	15.8	24.6	BDL
Jan. 2024	25.7	43.7	17.6	21.9	BDL	23.8	48.2	15.8	23.7	BDL	24.2	49.7	16.2	22.9	BDL	26.9	51.6	14.3	24.6	BDL
	24.2	45.2	14.3	22.6	BDL	25.3	42.9	12.8	21.7	BDL	24.8	46.7	13.6	23.8	BDL	23.9	48.1	15.4	24.3	BDL
Feb. 2024	26.8	51.7	18.6	23.6	BDL	29.3	52.8	20.4	25.1	BDL	28.2	48.3	21.3	24.3	BDL	30.4	52.4	19.7	22.7	BDL
	28.3	48.8	17.6	22.4	BDL	29.1	52.3	15.8	23.8	BDL	32.4	51.6	16.3	25.1	BDL	31.8	49.4	17.1	24.9	BDL
March 2024	34.8	53.6	20.4	27.8	BDL	32.7	54.2	18.9	26.3	BDL	33.9	55.7	22.4	28.1	BDL	35.7	52.3	21.9	26.9	BDL
	31.4	53.2	19.3	27.4	BDL	30.8	50.6	21.4	25.9	BDL	32.6	51.1	18.8	26.7	BDL	34.1	54.7	22.4	28.3	BDL

Month	Khera village					Moradiya village					Barevala Village					Thordi Village				
	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. 2023	11.9	42.7	15.4	21.7	BDL	12.1	41.9	13.6	19.6	BDL	14.3	40.6	11.8	18.2	BDL	15.1	46.2	12.9	17.9	BDL
	13.8	45.8	12.3	23.4	BDL	12.9	43.6	11.7	18.4	BDL	11.8	45.3	14.3	18.7	BDL	14.2	42.7	12.9	20.3	BDL
Nov.2023	23.1	52.4	17.2	20.7	BDL	21.6	51.6	14.3	19.7	BDL	22.8	53.1	16.8	22.4	BDL	20.4	48.7	13.4	23.6	BDL
	18.2	48.7	14.3	23.1	BDL	20.6	49.9	15.8	19.7	BDL	22.4	52.4	17.3	22.4	BDL	21.8	50.7	16.4	21.8	BDL
Dec.2023	23.8	46.2	21.6	24.2	BDL	24.9	48.1	18.3	25.1	BDL	21.6	42.6	15.4	26.3	BDL	20.9	44.8	16.7	24.4	BDL
	22.6	45.1	13.8	23.5	BDL	21.9	42.9	12.7	24.8	BDL	23.2	43.6	15.1	23.6	BDL	24.1	44.7	12.4	20.8	BDL
Jan. 2024	22.1	49.3	18.4	27.3	BDL	25.3	42.8	17.3	24.6	BDL	24.1	45.6	16.2	21.8	BDL	25.6	48.7	15.4	22.3	BDL
	25.1	45.9	14.3	23.3	BDL	24.9	44.3	15.8	22.9	BDL	27.1	43.9	16.2	24.8	BDL	23.8	49.3	17.1	25.7	BDL
Feb. 2024	32.6	49.6	18.5	24.1	BDL	31.7	51.1	17.9	23.8	BDL	33.8	47.5	22.4	25.4	BDL	31.8	42.6	21.8	27.6	BDL
	28.6	50.7	19.4	23.7	BDL	31.9	49.8	15.9	27.1	BDL	30.5	54.1	14.7	24.4	BDL	29.7	47.9	16.3	24.3	BDL
March 2024	31.4	51.9	23.7	28.4	BDL	35.6	53.2	24.3	27.1	BDL	32.9	50.6	22.8	25.6	BDL	33.1	54.7	21.1	26.4	BDL
	33.6	52.4	21.7	25.1	BDL	32.7	51.6	20.9	27.5	BDL	30.6	50.9	23.3	29.3	BDL	32.8	53.1	22.6	28.2	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 20.11.2023 vide letter ACL/EMD/F-16/2023/2585/82000**

AMBUJA CEMENTS LIMITED

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. **Report of Fugitive Emission monitoring is enclosed as Under :**

Fugitive Emission Monitoring Results (October 2023 - March 2024)

Month	Average Fugitive Emission Monitoring Results (µg/m3)		
	Haulage Road	Nr. Loading Area	Working Pit Area
	SPM (µg/m3)	SPM (µg/m3)	SPM (µg/m3)
Oct-23	1967	1835	1749
Nov-23	1872	1924	1764
Dec-23	1684	1732	1986
Jan-24	1734	1694	1881
Feb-24	1613	1941	1802
Mar-24	1532	1881	1945

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 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 - Singsar Mines (OCtober-2023 to March-2024)

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)
Oct-23	62	51	64	52	64	54
Nov-23	64	60	64	55	55	43
Dec-23	63	62	63	56	53	46
Jan-24	66	61	63	54	54	44
Feb-24	63	55	63	53	51	43
Mar-24	62	56	63	60	61	56

(b)

Noise Level of HEMM - Singsar Mines (October -2023 March-2024)

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
		Leq	Leq		Leq	Leq		Leq	Leq
Oct-23	While dozing the material	72	63	While loading to tipper	70	61	While mining	72	62
Nov-23		67	60		61	55		62	57
Dec-23		65	61		63	59		63	58
Jan-24		67	59		66	59		68	64
Feb-24		63	58		62	53		59	55
Mar-24		62	56		63	60		61	56

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 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	• Dust Masks, Safety Shoes, Safety Goggles & Helmet are provided to each & every personnel working in the

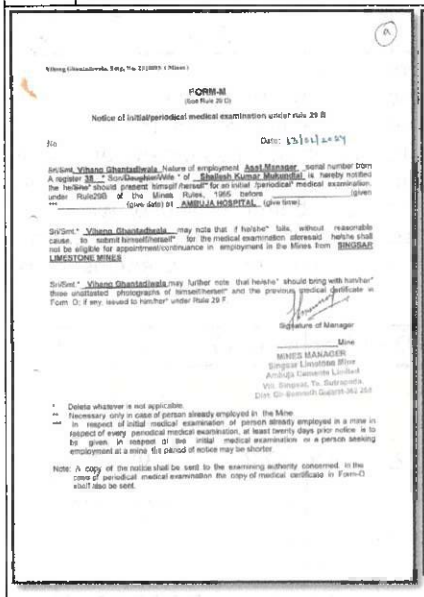
AMBUJA CEMENTS LIMITED

	provided with adequate training and information on safety and health aspects.	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 - Singsar Mines Mines (October-2023 to March-2024)

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)
23-Oct-23	06:00-14:00	Inside Cabin	0.42	24-Oct-23	06:00-14:00	Inside Cabin	0.35	25-Oct-23	06:00-14:00	Inside Cabin	0.31
22-Nov-23	14:00-22:00		0.39	23-Nov-23	14:00-22:00		0.31	24-Nov-23	14:00-22:00		0.27
13-Dec-23	22:00-6:00		0.31	14-Dec-23	22:00-6:00		0.25	15-Dec-23	22:00-6:00		0.30
10-Jan-24	22:00-6:00		0.34	11-Jan-24	22:00-6:00		0.29	12-Jan-24	22:00-6:00		0.36
21-Feb-24	14:00-22:00		0.31	22-Feb-24	14:00-22:00		0.27	23-Feb-24	14:00-22:00		0.34
17-Mar-24	14:00-22:00		0.28	18-Mar-24	14:00-22:00		0.37	19-Mar-24	14:00-22:00		0.33

	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.



FORM-M
(See Rule 29 C)
Notice of initial/periodical medical examination under rule 29 B

No Date: 13/01/2024

Sri/Smt. Vihang Ghantadiwala Nature of employment Asst.Manager serial number from A register 38 / Son/Daughter/Wife * of Shailesh Kumar Mahendra is hereby notified he he/she* should present himself /herself* for an initial /periodical* medical examination under Rule29B of the Mines Rules, 1955 before (given date) at AMBUJA HOSPITAL (give time).

Sri/Smt.* Vihang Ghantadiwala 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

Sri/Smt.* Vihang Ghantadiwala may further note that he/she* should bring with him/her* three unattested photographs of himself/herself* and the previous medical certificate in Form O, if any issued to him/her* under Rule 29 F

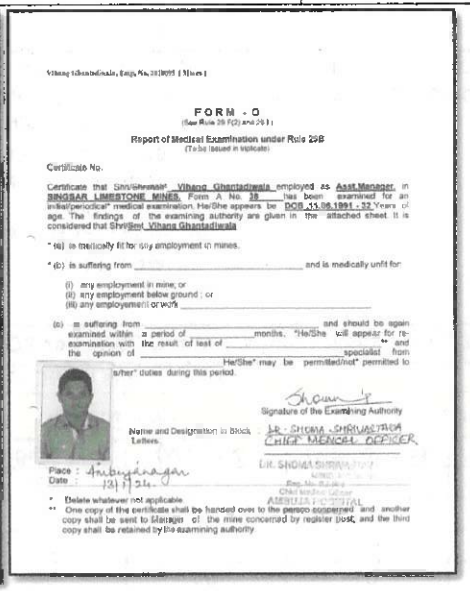
Signature of Manager

Mine

MINES MANAGER
Singsar Limestone Mine
Ambuja Cements Limited
Vill. Singsar, Tq. Sutrapada
Dist. Gir-Somnath Gujarat-362 250

* 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.



FORM - O
(See Rule 29 F(2) and 29 I)
Report of Medical Examination under Rule 29B
(To be issued in triplicate)

Certificate No.

Certificate that Sri/Smt/Smt. Vihang Ghantadiwala employed as Asst.Manager in SINGSAR LIMESTONE MINES, Form A No. 38 has been examined for an initial/periodical* medical examination. He/She appears be DOB 15.08.1991 - 32 Years of age. The findings of the examining authority are given in the attached sheet. It is considered that Sri/Smt. Vihang Ghantadiwala

* (a) is medically fit for any employment in mines.

* (b) is suffering from _____ and is medically unfit for

(i) any employment in mine; or
(ii) any employment below ground ; or
(iii) any employment or 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 _____ his/her* duties during this period.

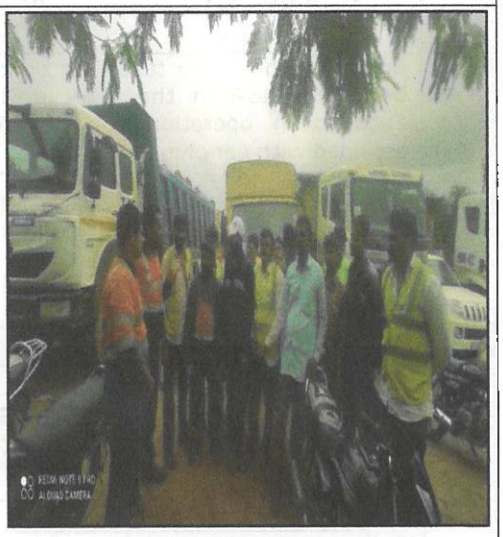
Signature of the Examining Authority

Name and Designation in Block Letters. DR. SHOMA SHRIVASTAVA CHIEF MEDICAL OFFICER

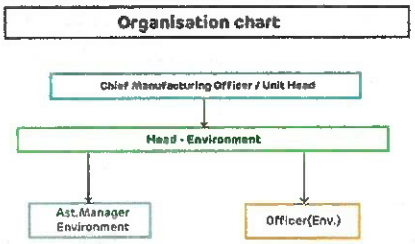
Place : Ambujanagar
Date : 12/7/24

DR. SHOMA SHRIVASTAVA
Reg. No. 82464
Chief Medical Officer
AMBUJA HOSPITAL

* Delete whatever 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 concerned by register post, and the third copy shall be retained by the examining authority



Daily Tool Box Talk at Workplace

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.	• 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 of the organization. **EMD organization chart** is enclosed as under: 
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.	• Details of capital and recurring expenditure for environmental protection measures are enclosed as under:

AMBUJA CEMENTS LIMITED

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

Expenditure incurred in Environment Management Plan - SINGSAR MINES

A. Capital Invesstment 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 October'2023 to March'2024

S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	16.74
2	Manpower Cost *	8.31
3	House Keeping	2.07
4	Other Env. Protection (Environmental Monitoring)	1.59
5	Environment Awareness *	0.71
	Total (In Lacs INR)	29.42

* Expenditures are Common for All the Plants & Mines.

Ambuja Cement Foundation - Ambujanagar

Details for programme wise expenditure for the year Oct-2023 to March-2024

(Rs. In lakhs)

Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds 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 Devlopment	3.22		6.50			9.72
	B .Drinking Water Programme	1.67			5.25		6.92
2	Agriculture Development(Drip irrigation, Farm Forestry & Afforestation)	31.02		89.78	202.95	301.22	624.97
3	Better Cotton and others	2.64		184.17	25.43		212.24
4	Krishi Vigyan Kendra (KVK) - Agriculture	3.90	96.95				100.85
5	Health & Sanitation	29.24			17.46	55.35	102.05
6	Education Programme	14.64					14.64
7	Women / Youth Development	19.16					19.16
8	Skill and Enterprunership Development Programme	60.99			38.54		99.53
9	Integrated Community Development Programme	219.32					219.32
10	Co-ordination & Administration Expenses	15.78					15.78
11	Capital Expenditure	2.02					2.02
	TOTAL	403.60	96.95	280.45	289.63	356.57	1427.20

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.	• Regular six monthly environmental clearance compliance reports are being submitted to MoEF&CC. Last submission was on **dated 20.11.2023 vide letter ACL/EMD/F-16/2023/2585/82000**
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.	• 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.	• Half yearly compliance status report is being regularly submitted and last submission was on **dated 20.11.2023 vide letter ACL/EMD/F-16/2023/2585/82000**
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.	• **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.	• **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	• **Environmental statement (Form-V)** is being regularly submitted to concern authority for each financial year. **Last Environment Statement (2022-23) submitted on 12.07.2023 vide letter no. ACL/EMD/F-22/2023/2527/81667.**

AMBUJA CEMENTS LIMITED

	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.	adani Cement ACL/EMD/22/2021/ 2537 12.07.2023 To Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector 10A, Gandhinagar - 382010 Sub. Environmental Statement of Singsar Limestone Mines (Unit of Ambuja Cements Ltd.) for the year 2022-23. Dear Sir, This has reference to Rule 14 of Environment Protection Rules, 1986. We are submitting herewith Environmental Statement in prescribed Form-V of Singsar Limestone Mines (Unit of Ambuja Cements Ltd.) for the financial year from April 2022 to March 2023. Kindly acknowledge receipt for the same. Thanking You, Yours truly, For Ambuja Cements Ltd. Devendra Singh Chauhan Head - Environment Gujarat Pollution Control Board Head Office Sector No. - 10 A Gandhinagar 382010 Encl : Form V with Annexure. Cc : The Regional Officer, Gujarat Pollution Control Board, Opp. Saint Anne's Church, Station Road, Junagadh.
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.	• **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
ECO. /AD
ACL/EMD/MOEF/SINGSAR/2010/ 52044 Dated: 10/07/2010

To,
Dr.A.Mohapatra, Director (E),
Regional Office, Western Region,
"Kendriya Paryavaran Bhavan"
Link Road No.3, Ravi Shankar Nagar,
Bhopal – 462010 (M.P.)
0755-2466084, 2466010, Fax – 2461030

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

Sir,

This has reference to above subject, we are submitting herewith following documents / information with respect to Singsar Limestone Mining Project as desired by you.

(1) Present status of work progress –Obtaining of Mining Lease Grant is 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 – Duly filled 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 in 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. K. Pandey
Dy. Manager (EAS)

Encl: As above

Ambuja Cements Limited
(Unit : Junagadh)
Plant Office : P.O. Ambujanagar - 362715, Tal. Kodinar, Dist. : Junagadh, Gujarat
Phone : (02876) 661147, 220006, 220400, Fax : (02876) 220006, 220007

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 Singsar Limestone Mining project of M/s. Ambuja Cements Limited located in Village Singsar, 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 સાપ્તાહિક, અમદાવાદ, તા.૧૮-૫-૨૦૧૦

જાહેર સુચના

આથી સુચિત કરવામા આવે છે કે, અંબુજા સીમેન્ટ લીમીટેડના ગોત્રે સીંગસર તાલુકો સુત્રાપાડા જીલ્લો જુનાગઢના સીંગસર લાઈમસ્ટોન માઈનીંગ પ્રોજેક્ટને મીનીસ્ટ્રી ઓફ એનવાયરમેન્ટ એન્ડ ફોરેસ્ટર્સ ભારત સરકાર નવી દિલ્હીએ તેમના પત્ર નંબર J-11015/273/2007/IA II(M) તા.૧૨ મે ૨૦૧૦ દ્વારા પર્યાવરણીય મંજુરી આપેલ છે. સદર પત્રની નકલ ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ ગાંધીનગર તથા મીનીસ્ટ્રી ઓફ એનવાયરમેન્ટ એન્ડ ફોરેસ્ટસની વેબસાઈટ http://envfor.nic.in પર જોવા મળશે.

અંબુજા સીમેન્ટ લીમીટેડ
મુ.પો અંબુજા નગર ૩૬૨૭૧૫ તા.કોડીનાર જી.જુનાગઢ

****

AMBUJA CEMENTS LIMITED