Ambuja Cement

88962 **REGD. A/D**

ACL/EMD/F-16/2021/ 2350

17.05.2021

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 **Solaj Mines.**

Ref.: Environmental Clearance Order No. J-11015/177/2006-IA-II (M) dated 06.03.07

Sir,

We are pleased to submit herewith half yearly compliance status report (i.e. for the period of **(October'2020 to March'2021)** of Environmental Clearance Order No. J-11015/177/2006-IA-II(M) granted by MoEF to ***Solaj Mines*** of Ambuja Cements Ltd., located at village - Solaj, Taluka-Sutrapada, District – Gir Somnath (Gujarat).

Thanking you,

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

Anand

Singh **Anand Prakash**
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.

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environment, Forest and Climate Change

Regional Office (W), Bhopal

Monitoring Report

Part-I

DATA SHEET

01	Project type	:	Mining
02	Name of the project	:	Solaj Limestone Mine
03	Clearance letter(s) / OM no. and date	:	**J-11015/177/2006- IA ,II (M) , 6th March 2007**
04	Location		
	a) District(s)	:	Gir Somnath
	b) State(s)	:	Gujarat
	c) Latitude	:	20° 50' 11" - 20° 51' 30"
	d) Longitude	:	70° 36'24" - 70° 38'24"
05	Address for correspondence	:	
	a) Address of concerned Project Chief Engineer (with pincode & telephone / telex / fax numbers).	:	**Sh. Anupam Agrawal** Manufacturing Cluster Head (W&S) Ambuja Cements Ltd. PO Ambujanagar, Taluka : Kodinar, Pin- 362715 District: Gir Somnath (Gujarat). Tel: 02795-221137/232009/237403 Fax: 02795-220328/232032
	b) Address of Executive Project Engineer / Manager (with pincode / fax numbers.	:	**(Mines is Not in operation. From-1 is Submitted to DGMS)**
06	Salient features		
	a) of the project	:	Ambuja Cements Ltd. has cement manufacturing plant at Ambujanagar in Kodinar Taluka of Gir Somnath District. Limestone & Marl are the main raw materials for the cement plants. The materials are being exploited from company's own captive mines i.e. Solaj Limestone Mine. Solaj is located at a distance of about 12 kms in WNW direction with respect to cement plant. The rated capacity of the limestone & marl is 1.0 & 0.4 MTPA respectively.
	b) of the environmental management plans	:	• Mining operations do not involve drilling and blasting for material rising. Limestone excavation is being carried out by Surface Miner, direct excavation by excavators and ripper dozer. • Regular monitoring of environmental parameters is being undertaken as per statutory requirements. • Regular preventive maintenance of HEMM is being undertaken. • Water sprinkling on haul roads and in working area is being carried out on regular basis for dust suppression. • Afforestation / Green belt development carried out along haul road and lease periphery, mines office, mined out area etc. • Mined-out areas to be converted to pasture land or to be rehabilitated by afforestation or converted to water reservoirs as per approved mining plan. • Literacy drive and Socio-economic improvement measures are undertaken in the project buffer zone and is in progress.
07	**Break up of the project area.**	:	
	a) Submergence area (forest & non-forest)	:	Not applicable
	b) Others	:	200.8184 ha (Gauchar land)
08	Break up of the project affected population with enumeration of those a houses / dwelling units only agricultural land only, both dwelling units & agricultural land & landless labourers / artisan.	:	Rehabilitation or evacuation not involved while executing the project and the same conditions are existing.

	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.	:	Rs. 250 Lakhs
	b) Allocation made for environmental management plans with item wise and year wise break-up.	:	Rs. 7.94 Cr.
	c) Benefit cost ratio / Internal rate of return and the year of assessment.	:	No separate assessment made for this project.
	d) Whether (c) includes the cost of environmental management as shown in the above.	:	Not applicable.
	e) Actual expenditure incurred on the project so far.	:	Rs. 7.47 Cr.
	f) Actual expenditure incurred on the environmental management plans so far.	:	Rs. 9.78 Cr.
10	**Forest land requirement.**	:	
	a) The status of approval for diversion of forest land for non-forestry use.	:	The project area does not comprise of any forest land.
	b) The status of clearing felling	:	Not applicable.
	c) The status of compensatory afforestation, if any	:	Not applicable.
	d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far.	:	Not applicable.
11	**The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.**	:	The project site mostly comprises of barren waste land only. It does not involve felling of trees.
12	Status of construction.	:	
	a) Date of commencement (Actual & / or planned)	:	5th December 1996
	b) Date of completion (Actual and / or planned).	:	Continued
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** **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 **03.11.2020 vide letter no. ACL/EMD/F-16/2020/2233/88133**

Note : Mines is Not in operation. From-1 is Submitted to DGMS

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Compliance Status of Environment Clearance issued to Solaj Mines Vide MoEF&CC Letter No: letter no. J-11015/177/2006-IA, II (M) dated 6th March 2007

S No.	Condition	Compliance Status
A. Specific Condition:		
i	The environmental clearance is subject to final orders of the Hon'ble Court of Fast Track Judge & Joint District Judge, Veraval, in the matter.	• The final order has been issued on dated 14th November 2006 which has been already submitted to MoEF&CC vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010/55925.
ii	All the conditions stipulated by the State Pollution Control Board in their NOC should be effectively implemented.	• Point noted and being complied.
iii	The proponent should carry out long terms studies on salinity and water levels in and around mining areas and submit report to this ministry, its Regional Office Bhopal and Central Ground Water Authority within a period of 6 months.	• Water conservation measures to augment ground water resources in the area are being done by Ambuja Cement Foundation (ACF). A report about ACF & community development work done by ACF in surrounding areas is enclosed as Annexure.A report on Impact of Limestone Mining and Salinity Status around ACL mines has been prepared by Ground Water & Mineral Investigation Consultancy Centre Pvt. Ltd. (GWMICC), Jaipur. Report has been already submitted to MoEF vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010/55925.

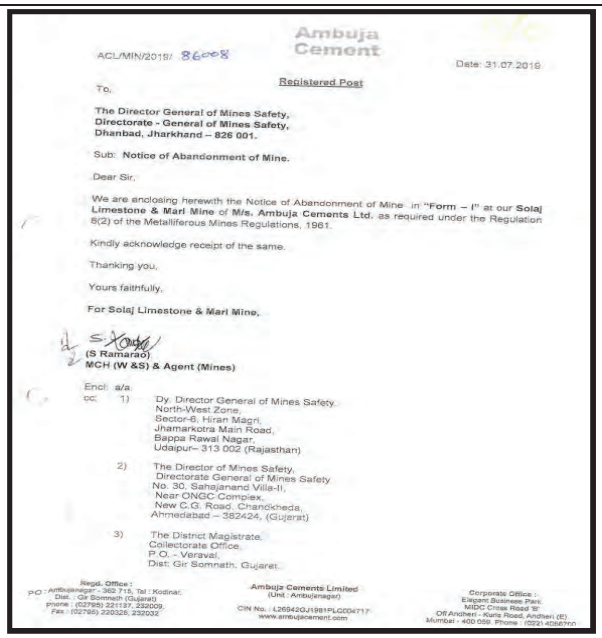
Ambuja Cement Foundation - Ambujanagar
Details for programme wise expenditure for the year Oct. 2020 to March 2021

(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						
	a.Water Resource Devlopment	7.15	7.49	–	--	–	**14.64**
	B .Drinking Water Programme	8.26	6.12	–	6.00	–	**20.38**
2	Agriculture Development	14.71	10.30	–	101.69	132.07	**258.77**
3	BCI	4.57	--	109.31	59.64	167.50	**341.02**
4	Krishi Vigyan Kendra (KVK) - Agriculture	2.35	148.91	–	--	–	**151.26**
5	Health & Sanitation	10.18	--	–	70.59	–	**80.77**
6	Education Programme	12.12	--	–	--	–	**12.12**
7	Women / Youth Development	5.55	--	5.00	--	–	**10.55**
8	Skill and Enterprunership Development Programme	16.08	24.63	–	12.78	–	**53.49**
9	Integrated Community Development Programme	68.21	--	–	--	–	**68.21**
10	Co-ordination & Administration Expenses	45.45	--	–	--	–	**45.45**
11	Capital Expenditure	1.25	--	–	--	–	**1.25**
	TOTAL	**195.88**	**197.45**	**114.31**	**250.70**	**299.57**	**1057.91**

iv	Top soil should be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	• Top soil generated during mining operation was stacked at designated area and being used for mines reclamation and green belt development.
v	Catch drains and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for mine pit 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 should be constructed at the corners of the garland drains and desilted at regular intervals.	• No mineral is stacked within lease area as on today and application for surrender of mines in form-I is submitted as below:

Note : Mines is Not in operation. From-1 is Submitted to DGMS



Ambuja Cement

ACL/MIN/2019/ 86008

Date: 31.07.2019

Registered Post

To,

The Director General of Mines Safety,
Directorate - General of Mines Safety,
Dhanbad, Jharkhand – 826 001.

Sub: **Notice of Abandonment of Mine.**

Dear Sir,

We are enclosing herewith the Notice of Abandonment of Mine in "Form – I" at our **Solaj Limestone & Marl Mine** of **M/s. Ambuja Cements Ltd.** as required under the Regulation 6(2) of the Metalliferous Mines Regulations, 1961.

Kindly acknowledge receipt of the same.

Thanking you,

Yours faithfully,

For Solaj Limestone & Marl Mine,

(S Ramarao)
MCH (W &S) & Agent (Mines)

Encl: a/a

cc: 1) Dy. Director General of Mines Safety,
North-West Zone,
Sector-6, Hiran Magri,
Jhamarkotra Main Road,
Bappa Rawal Nagar,
Udaipur– 313 002 (Rajasthan)

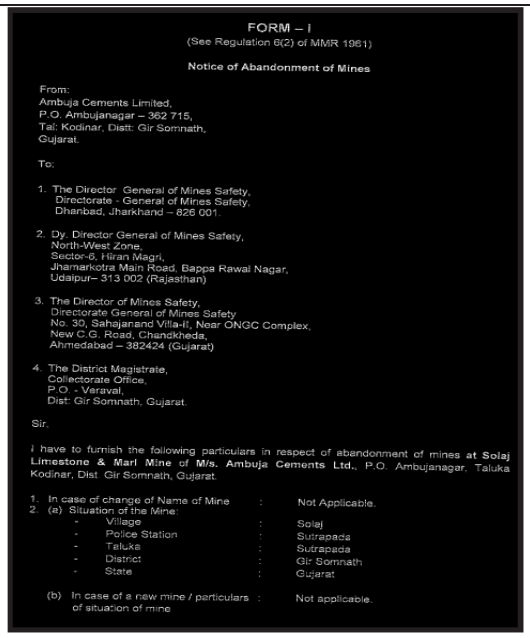
2) The Director of Mines Safety,
Directorate General of Mines Safety
No. 30, Sahajanand Villa-II,
Near ONGC Complex,
New C.G. Road, Chandkheda,
Ahmedabad – 382424, (Gujarat)

3) The District Magistrate,
Collectorate Office,
P.O. - Veraval,
Dist: Gir Somnath, Gujarat.

Regd. Office : P.O : Ambujanagar - 362 715, Tal : Kodinar, Dist. : Gir Somnath (Gujarat) Phone : (02795) 221137, 232009, Fax : (02795) 220326, 232032

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) 4056 7777



FORM – I

(See Regulation 6(2) of MMR 1961)

Notice of Abandonment of Mines

From:
Ambuja Cements Limited,
P.O. Ambujanagar – 362 715,
Tal: Kodinar, Distt: Gir Somnath,
Gujarat.

To:

1. The Director General of Mines Safety,
Directorate - General of Mines Safety,
Dhanbad, Jharkhand – 826 001.

2. Dy. Director General of Mines Safety,
North-West Zone,
Sector-6, Hiran Magri,
Jhamarkotra Main Road, Bappa Rawal Nagar,
Udaipur– 313 002 (Rajasthan)

3. The Director of Mines Safety,
Directorate General of Mines Safety
No. 30, Sahajanand Villa-II, Near ONGC Complex,
New C.G. Road, Chandkheda,
Ahmedabad – 382424 (Gujarat)

4. The District Magistrate,
Collectorate Office,
P.O. - Veraval,
Dist: Gir Somnath, Gujarat.

Sir,

I have to furnish the following particulars in respect of abandonment of mines at **Solaj Limestone & Marl Mine** of **M/s. Ambuja Cements Ltd.**, P.O. Ambujanagar, Taluka Kodinar, Dist. Gir Somnath, Gujarat.

1. In case of change of Name of Mine : Not Applicable.
2. (a) Situation of the Mine:
   - Village : Solaj
   - Police Station : Sutrapada
   - Taluka : Sutrapada
   - District : Gir Somnath
   - State : Gujarat

   (b) In case of a new mine / particulars of situation of mine : Not applicable.

(vi)	Plantation shall be raised in an area of 87.45 ha including a greenbelt around ML area , reclaimed area and around worked out pit, 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.	• **No Mining Activities in mining lease area.** • Plantation & mines reclamation details are enclosed as under **(a) & (b).**

(a)

SOLAJ Mines Greenbelt & Plantation Details till September 2020				
Total Lease Area (in Ha)	Opened up Area (In Ha.)	Planted Area (in Ha.)	Pasture Land (in Ha)	Water Body (in Ha)
200.8184	107.4428	9.8128	88.0384	19.4044

(b)

Note : Mines is Not in operation. From-1 is Submitted to DGMS

(vii)	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.	• Water conservation measures to augment ground water resources in the area are being done by Ambuja Cement Foundation (ACF). Details of water harvesting work done by ACF in and around area is as per the data mentioned as under:

Ambuja Cement Foundation - Ambujanagar
Details for programme wise expenditure for the year Oct. 2020 to March 2021

(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						
	a.Water Resource Devlopment	7.15	7.49	–	--	–	**14.64**
	B .Drinking Water Programme	8.26	6.12	–	6.00	–	**20.38**
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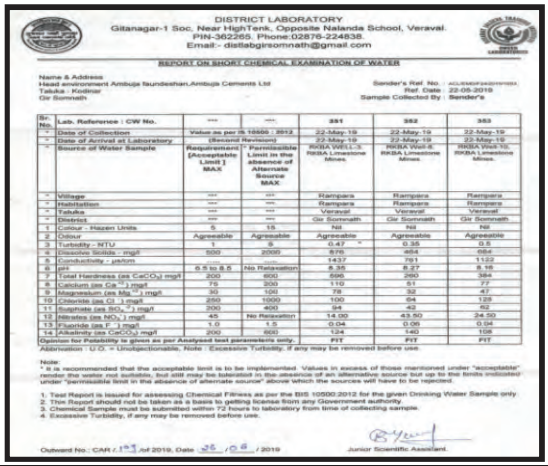
5	Health & Sanitation	10.18	--	–	70.59	–	**80.77**
6	Education Programme	12.12	--	–	--	–	**12.12**
7	Women / Youth Development	5.55	--	5.00	--	–	**10.55**
8	Skill and Enterprunership Development Programme	16.08	24.63	–	12.78	–	**53.49**
9	Integrated Community Development Programme	68.21	--	–	--	–	**68.21**
10	Co-ordination & Administration Expenses	45.45	--	–	--	–	**45.45**
11	Capital Expenditure	1.25	--	–	--	–	**1.25**
	TOTAL	**195.88**	**197.45**	**114.31**	**250.70**	**299.57**	**1057.91**

viii	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and construction new piezometers during the mining operation. The monitoring should be carried out four times in a year Pre monsoon (April/May), monsoon (August), Post monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment and Forests, its Regional Office, Bhopal, Central Ground water Authority and Central Ground Water Board.	• Complied. Water quality testing is carried out with the help of MoEF certified third party laboratory as per prescribed schedule.Water levels are being recorded in 11 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 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 regional office Bhopal on six monthly basis. Ground water level & quality monitoring reports are enclosed as under :



DISTRICT LABORATORY
Gitanagar-1 Soc, Near HighTank, Opposite Nalanda School, Veraval.
PIN-362265. Phone:02876-224838.
Email:- distlabgiromnath@gmail.com

REPORT ON SHORT CHEMICAL EXAMINATION OF WATER

Name & Address
Head environment Ambuja faundeshan,Ambuja Cements Ltd
Taluka - Kodinar
Gir Somnath

Sender's Ref. No. : ACL/ENV/F/2020-21/001
Ref. Date : 22-05-2019
Sample Collected By : Sender's

Sr. No.	Lab. Reference : CW No.	---	---	351	352	353
"	Date of Collection	Value as per IS 10500 : 2012 (Second Revision)		22-May-19	22-May-19	22-May-19
"	Date of Arrival at Laboratory			22-May-19	22-May-19	22-May-19
"	Source of Water Sample	Requirement (Acceptable Limit] MAX	Permissible Limit in the absence of Alternate Source MAX	RKBA WELL-5 RKBA Limestone Mines.	RKBA Well-6 RKBA Limestone Mines.	RKBA Well-10 RKBA Limestone Mines.
"	Village	---	---	Rampara	Rampara	Rampara
"	Habitation	---	---	Rampara	Rampara	Rampara
"	Taluka	---	---	Veraval	Veraval	Veraval
"	District	---	---	Gir Somnath	Gir Somnath	Gir Somnath
1	Colour - Hazen Units	5	15	Nil	Nil	Nil
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Turbidity - NTU	1	5	0.47	0.35	0.5
4	Dissolve Solids - mg/l	500	2000	676	464	664
5	Conductivity - µmhos	---	---	1437	791	1122
6	pH	6.5 to 8.5	No Relaxation	8.35	8.27	8.16
7	Total Hardness (as $CaCO_3$) mg/l	200	600	286	260	384
8	Calcium (as Ca^{++}) mg/l	75	200	110	51	77
9	Magnesium (as Mg^{++}) mg/l	30	100	78	32	47
10	Chloride (as Cl -) mg/l	250	1000	100	64	128
11	Sulphate (as SO_4^{--}) mg/l	200	400	94	42	62
12	Nitrates (as NO_3-) mg/l	45	No Relaxation	14.00	43.50	34.50
13	Fluoride (as F -) mg/l	1.0	1.5	0.04	0.06	0.04
14	Alkalinity (as $CaCO_3$) mg/l	200	600	124	140	156
Opinion for Potability is given as per Analysed test parameters only.				PIT	PIT	PIT

Abbreviation : U.O. = Unobjectionable, Note : Excessive Turbidity, if any may be removed before use.

Note:
" It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under "permissible limit in the absence of alternate source" above which the sources will have to be rejected.

1. Test Report is issued for assessing Chemical Fitness as per the BIS 10500:2012 for the given Drinking Water Sample only.
2. This Report should not be taken as a basis to getting license from any Government authority.
3. Chemical Sample must be submitted within 72 hours to laboratory from time of collecting sample.
4. Excessive Turbidity, if any may be removed before use.

Outward No.: CAR / 195 /of 2019, Date 25 / 05 / 2019

Junior Scientific Assistant.

ix	The Project authorities should obtain prior approval of the competent authority for withdrawal of groundwater if any, required for the project.	• No withdrawal of ground water so far. Water requirement for domestic use, dust suppression and greenbelt development is being met from harvested rain water in mined out pit.

Note : Mines is Not in operation. From-1 is Submitted to DGMS

x	The mineral handling plant should be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should be properly maintained and operated.	• No mineral handling plant at Mines site. Extracted mineral is transported to cement plant by trucks / tipper which are provided with mechanized double flap covering system.
xi	Vehicular emissions should 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 vehicles should be covered with a tarpaulin and shall not be overloaded.	• Vehicular emissions are checked regularly. All the vehicles used for transportation of minerals are provided with mechanized double flap covering system. • Presently mining activity closed since 05.05.2014 . & applied at IBM from for surrender of mines
xii	No drilling and blasting shall be undertaken in the project.	• Drilling & Blast free fully mechanized Surface Miner machine is used for mining.
xiii	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 Ministry of Environment and Forests and its Regional Office, Bhopal.	• Land use pattern report study has been conducted by Compusense Automation, Ahmadabad. Report is under preparation stage and will be submitted to MoEF&CC as soon as possible.
xiv	The void left unfilled in an area of 65.0 ha 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 slopes 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 converted in to water bodies as per approved mining plan from IBM. Total Open mine area is 107.44 Ha. • Higher benches will be made gentler for easy accessibility by local people to use the water body. • Peripheral fencing of bella stone is provided along excavated area. Total 5138 meter brick wall, 15762 meter barbed wire and 16891 meter earthen bund fencing has been done.
xv	The project proponent should take all precautionary measures during mining operation for conservation and protection of endangered flora, endangered fauna such as leopard and endangered migratory bird species 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 fund so allocated shall be included in the project cost. Copy of action plan may be submitted to the Ministry and its Regional Office within 3 months.	• Status of Biodiversity (Flora & Fauna) in core and buffer zone area of Solaj Mines has been conducted by "Gujarat Institute of Desert Ecology", Bhuj. Report with action plan for conservation of flora and fauna has been already submitted to MoEF vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010/55925.
xvi	Consent to operate should be obtained from SPCB before starting enhanced production from the mine.	• Pointed noted. CCA will be obtained in case of enhanced production from the mine.

Note : Mines is Not in operation. From-1 is Submitted to DGMS

xvii	A final Mine Closure plan along with details of Corpus Fund should be submitted to Ministry of Environment & Forests in advance of final mine closure for approval.	• A final Mine Closure plan along with details of Corpus Fund shall be submitted to Ministry of Environment & Forests in advance of final mine closure for approval.
B. General Conditions:		
i	No change in mining technology and the scope of working should be made without prior approval of the Ministry of Environment & Forests.	• We are following the same mining practices through 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 marl and waste should be made.	• Point noted
iii	At least four ambient air quality monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, SO2 & NOX monitoring. Location of the stations should be decided on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Data on ambient air quality (RSPM, SPM, SO2 & NOX) should be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board/Central Pollution Control Board once in six months.	• Four ambient air quality monitoring stations have been established in core & buffer zone. Ambient air quality monitoring results for the period **October'2020 to March'2021** is enclosed as under: • The location of the monitoring stations is decided in consultation with GPCB and renowned consultant Sh. B Padmanabh Murthy, Professor of JNU and former Director of IMD Met-Dept on 5th and 6th Jan 2008.

	Average Ambient Air Quality Monitoring Results Oct'2020 - March'2021																			
Month	Working place					Solaj Village					Khera Village					Moradiya 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
	(µg/m3)				(mg/m3)	(µg/m3)				(mg/m3)	(µg/m3)				(mg/m3)	(µg/m3)				(mg/m3)
Oct-20	Note : Mines is Not in operation. From-1 is Submitted to DGMS					25.6	40.2	11.2	15.4	BDL	28.8	40.2	12.4	15.9	BDL	27.6	39.6	11.6	15.4	BDL
						25.6	41.5	12.0	14.6	BDL	24.6	50.2	12.1	15.3	BDL	29.5	47.4	10.8	15.3	BDL
Nov-20						25.0	47.0	10.8	14.7	BDL	26.4	52.2	11.5	17.2	BDL	31.8	50.8	10.8	16.5	BDL
						27.0	55.0	11.4	15.7	BDL	29.5	50.1	11.5	15.1	BDL	28.1	47.2	11.4	13.8	BDL
Dec-20						27.0	49.0	11.5	14.6	BDL	30.4	47.8	9.6	15.2	BDL	27.5	52.5	11.4	17.0	BDL
						25.0	52.0	11.9	15.5	BDL	30.7	47.5	13.1	17.2	BDL	27.6	50.9	9.6	14.2	BDL
Jan-21						29.0	51.0	12.5	15.3	BDL	30.5	47.8	13.1	16.1	BDL	33.5	51.8	11.1	15.2	BDL
						27.0	55.0	12.5	16.2	BDL	30.5	49.5	9.8	14.8	BDL	29.8	50.1	11.2	15.2	BDL
Feb-21						24.0	52.0	9.6	10.7	BDL	25.0	46.0	11.5	15.1	BDL	25.2	25.3	10.5	14.6	BDL
						28.9	46.3	9.9	11.2	BDL	29.0	53.0	12.3	15.5	BDL	28.6	49.7	12.4	16.4	BDL
Mar-21						22.0	34.0	11.9	14.6	BDL	26.0	49.0	11.2	15.2	BDL	26.0	44.0	12.6	15.7	BDL
						23.0	40.0	11.4	16.3	BDL	27.0	50.0	13.1	16.9	BDL	30.0	53.0	11.9	14.6	BDL

iv	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.	• **No Mining Activities in mining lease area.**

Note : Mines is Not in operation. From-1 is Submitted to DGMS

a

v	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.	• **No Mining Activities in mining lease area.** • All the workers working in high noise areas are provided with ear plug/ear muffs. Ambient noise monitoring as well as HEMM noise monitoring is being done on monthly basis. HEMM noise monitoring as well as ambient noise monitoring reports are enclosed as under **(a) & (b).**

a

Noise Level of HEMM - (October-2020 to March - 2021)

Machine				
Month	Noise Levels (dB)		Noise Levels (dB)	
	At 5m distance	At 10m distance	At 5m distance	At 10m distance
	Leq	Leq	Leq	Leq
Oct 20	NR	NR	NR	NR
Nov-20	NR	NR	NR	NR
Dec-20	NR	NR	NR	NR
Jan-21	NR	NR	NR	NR
Feb-21	NR	NR	NR	NR
Mar-21	NR	NR	NR	NR

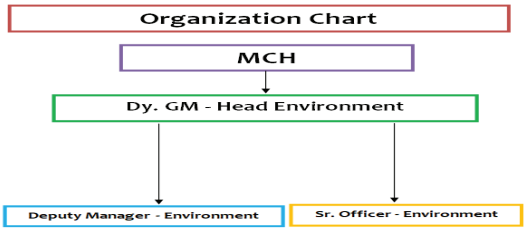
b

Ambient Noise Level Monitoring - October-2020-March-2021)

Month	Noise Levels in dB(A)							
	Near Face		Haul road		Mines Office		Solaj Village	
	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)
Oct-20	Note : Mines is Not in operation. From-1 is Submitted to DGMS		54	49	49	40	50	44
Nov-20			51	44	48	43	51	44
Dec-20			52	49	48	43	56	52
Jan-21			57	52	49	45	58	56
Feb-21			53	49	50	44	62	58
Mar-21			51	47	47	40	59	56

vi	Industrial wastewater (workshop and waste water from the mine) should be properly collected, treated so as to confirm the standards prescribed under GSR 422(E) dated 19th May 1993 and 31st December installed before discharge of effluents from workshop.	• **No industrial waste water generated as mines is not in operation.**
vii	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. 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. The same program may be extended to adjoining village also.	• All personnel working in mines are provided with PPE's i.e. dust masks, safety shoes, safety goggle, Safety Reflective Jacket & Helmet. Occupational health surveillance program of all the workers (Including Third party workmen) are being undertaken every year by our Occupational Health Centre through our AMH Ambuja Multi Hospital. There is no case of any contraction due to exposure of dust in any workmen. • They are also provided adequate training and information on safety and health aspects.

Note : Mines is Not in operation. From-1 is Submitted to DGMS

viii	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: 
ix	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes. Year-wise expenditure should be reported to Regional Office, Bhopal of the Ministry of Environment and Forests and to the Ministry.	• Details of capital and recurring expenditure for environmental protection measures are enclosed as under:

Expenditure incurred in Environment Management Plan

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'2020 to March'2021

S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	0.00
2	Manpower Cost *	28.14
3	House Keeping	0.00
4	Other Env. Protection (Environmental Monitoring)	1.39
5	Environment Awareness *	0.30
	Total (In Lacs INR)	29.83

* Expenditures are Common for All the Plants & Mines.

Ambuja Cement Foundation - Ambujanagar
Details for programme wise expenditure for the year Oct. 2020 to March 2021

(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						
	a.Water Resource Devlopment	7.15	7.49	–	--	–	**14.64**
	B .Drinking Water Programme	8.26	6.12	–	6.00	–	**20.38**
2	Agriculture Development	14.71	10.30	–	101.69	132.07	**258.77**
3	BCI	4.57	--	109.31	59.64	167.50	**341.02**
4	Krishi Vigyan Kendra (KVK) - Agriculture	2.35	148.91	–	--	–	**151.26**
5	Health & Sanitation	10.18	--	–	70.59	–	**80.77**
6	Education Programme	12.12	--	–	--	–	**12.12**
7	Women / Youth Development	5.55	--	5.00	--	–	**10.55**
8	Skill and Enterprunership Development Programme	16.08	24.63	–	12.78	–	**53.49**
9	Integrated Community Development Programme	68.21	--	–	--	–	**68.21**
10	Co-ordination & Administration Expenses	45.45	--	–	--	–	**45.45**
11	Capital Expenditure	1.25	--	–	--	–	**1.25**
	TOTAL	**195.88**	**197.45**	**114.31**	**250.70**	**299.57**	**1057.91**

x	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer(s) of the Regional Office by furnishing requisite data/information /monitoring reports.	• Full support and co-operation is being extended during the visit of officers from Ministry of Environment & Forest, CPCB as well as GPCB • Project was monitored by **Dr. A. Mehrotra (Regional Office, Bhopal) during 12.10.10 to 13.10.10.**
xi	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Bhopal, Central Pollution Control Board and State Pollution Control Board.	Half yearly compliance status report is being regularly submitted, our last submission was on **03.11.2020 vide letter no. ACL/EMD/F-16/2020/2233/88133.**
xii	A copy of the clearance letter will be marked to the concerned panchayat/local NGO, if any, from whom suggestions/representation has been received while processing the proposal.	• A copy of clearance letter has been marked to concern.

Note : Mines is Not in operation. From-1 is Submitted to DGMS

xiii	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.	Required Information is already intimated to MoEF , Bhopal.
xiv	State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's/Tehsildar's Office for 30 days.	• GPCB is the concern authority for the same.
xv	The project authorities should advertised at least in two local newspapers widely circulated, one of which shall be in vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.	• Advertisement was published in two local newspapers. Copy of advertisement has been submitted to MoEF on 25.12.2010 vide letter no. ACL/EMD/F16/2010/55925.
3	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	• Point noted. Agreed.
4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (protection) Act, 1986.	• Agreed. However, all the conditions mentioned in the EC are being complied with.
5	The above conditions will be enforced intr-alia, under the provisions of the Water (Prevention & Control of pollution) Act, 1974 the Air (prevention & control of pollution) Act, 1981 the Environment (protection) act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Court of fast Track Judge & Joint District Judge, Veraval in the subject matter.	• Agreed. All stipulations under Water (Prevention and Control of pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment Protection Act, 1986, Hazardous waste Rules, 1989 are being complied. • Hazardous waste being stored at designated place and collection and transportation is being done by state pollution control board authorized recyclers for recycling purpose

Note : Mines is Not in operation. From-1 is Submitted to DGMS

Kindly Note that Mine is not in operation& form-I is submitted to DGMS

Ambuja Cement

ACL/MIN/2019/ 86008

Date: 31.07.2019

Registered Post

To,

The Director General of Mines Safety,
Directorate - General of Mines Safety,
Dhanbad, Jharkhand – 826 001.

Sub: **Notice of Abandonment of Mine.**

Dear Sir,

We are enclosing herewith the Notice of Abandonment of Mine in **"Form – I"** at our **Solaj Limestone & Marl Mine** of **M/s. Ambuja Cements Ltd.** as required under the Regulation 8(2) of the Metalliferous Mines Regulations, 1961.

Kindly acknowledge receipt of the same.

Thanking you,

Yours faithfully,

For Solaj Limestone & Marl Mine,

(S Ramarao)
MCH (W &S) & Agent (Mines)

Encl: a/a.

cc: 1) Dy. Director General of Mines Safety,
North-West Zone,
Sector-6, Hiran Magri,
Jhamarkotra Main Road,
Bappa Rawal Nagar,
Udaipur– 313 002 (Rajasthan)

2) The Director of Mines Safety,
Directorate General of Mines Safety
No. 30, Sahajanand Ville-II,
Near ONGC Complex,
New C.G. Road, Chandkheda,
Ahmedabad – 382424, (Gujarat)

3) The District Magistrate,
Collectorate Office,
P.O. - Veraval,
Dist: Gir Somnath, Gujarat.

Regd. Office :
P.O : Ambujanagar - 362 715, Tal : Kodinar,
Dist. : Gir Somnath (Gujarat)
Phone : (02795) 221137, 232009,
Fax : (02795) 220328, 232032

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) 40667000

Note : Mines is Not in operation. From-1 is Submitted to DGMS

FORM – I

(See Regulation 6(2) of MMR 1961)

Notice of Abandonment of Mines

From:
Ambuja Cements Limited,
P.O. Ambujanagar – 362 715,
Tal: Kodinar, Distt: Gir Somnath,
Gujarat.

To:

1. The Director General of Mines Safety,
   Directorate - General of Mines Safety,
   Dhanbad, Jharkhand – 826 001.

2. Dy. Director General of Mines Safety,
   North-West Zone,
   Sector-6, Hiran Magri,
   Jhamarkotra Main Road, Bappa Rawal Nagar,
   Udaipur– 313 002 (Rajasthan)

3. The Director of Mines Safety,
   Directorate General of Mines Safety
   No. 30, Sahajanand Villa-II, Near ONGC Complex,
   New C.G. Road, Chandkheda,
   Ahmedabad – 382424 (Gujarat)

4. The District Magistrate,
   Collectorate Office,
   P.O. - Veraval,
   Dist: Gir Somnath, Gujarat.

Sir,

I have to furnish the following particulars in respect of abandonment of mines **at Solaj Limestone & Marl Mine** of **M/s. Ambuja Cements Ltd.**, P.O. Ambujanagar, Taluka Kodinar, Dist. Gir Somnath, Gujarat.

1. In case of change of Name of Mine : Not Applicable.
2. (a) Situation of the Mine:
   - Village : Solaj
   - Police Station : Sutrapada
   - Taluka : Sutrapada
   - District : Gir Somnath
   - State : Gujarat

   (b) In case of a new mine / particulars of situation of mine : Not applicable.

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Note : Mines is Not in operation. From-1 is Submitted to DGMS