

90453

Ambuja Cement

REGD. A/D

ACL/EMD/F-16/2022/2520

26.05.2022

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

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

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

Sir,

We are pleased to submit herewith half yearly compliance status report (i.e. for the period of **(October'2021 to March'2022)** of Environmental Clearance No. J-11015/273/2007-IA.II (M) dated 12.05.2010 granted by MoEF&CC to **Singsar Limestone Mines** of Ambuja Cements Ltd., located at village – Singsar, Thordi & Barevala of Taluka - Sutrapada, District – Gir Somnath (Gujarat).

This is for your information and record please.

Thanking you,

Yours Faithfully,
For Ambuja Cements Ltd.


Devendra Singh Chauhan
Head-Environment

Encl.: As above.

Copy to:

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

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

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

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

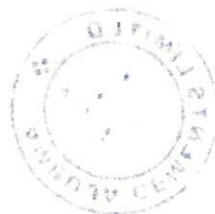
MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS
Ministry of Environment, Forest and Climate Change
Western Regional Office (W), Bhopal.

Monitoring Report

Part-I

DATA SHEET

01	Project type	:	Open Cast (Limestone) Mining
02	Name of the project	:	Singsar Limestone Mining Project
03	Clearance letter(s) / OM no. and date	:	J-11015/273/2007-IA.II (M), Dated 12.5.2010
04	Location	:	
	a) District(s)	:	Gir Somnath
	b) State(s)	:	Gujarat
	c) Latitude	:	20°47'38" to 20°50'01" N
	d) Longitude	:	70°35'53" to 70°38'20" E
05	Address for correspondence	:	
	a) Address of concerned Project Chief Engineer (with pincode & telephone / telex / fax numbers).	:	Sh. Devendra Singh Chauhan Head (Environment) Ambuja Cements Ltd. PO Ambujanagar, Taluka : Kodinar, District: Gir Somnath (Gujarat). Pin. : 362715 , Tel: 02795-237011 , Fax: 02795 - 220328/232032
	b) Address of Executive Project Engineer / Manager (with pincode / fax numbers.	:	Sh. Deepak Dhurde Manager (Mines) Ambuja Cements Ltd , PO : Ambujanagar - 362715 Taluka : Kodinar, District: Gir Somnath (Gujarat). Tel: 02795 - 232064 , Fax: 02795 - 220328/232032
06	Salient features	:	
	a) of the project	:	Singsar Limestone Mining Lease is located at a distance of about 5.8 Kms from the Cement Plants located at Ambujanagar.
	b) of the environmental management plans	:	<ul style="list-style-type: none"> ❖ Mining operations doesn't involve drilling & blasting. Limestone excavation is being carried out by environment friendly Surface Miner supported by ripper dozer. ❖ Regular monitoring of environmental parameters is undertaken as per the norms of MoEF&CC and IBM. ❖ Preventive maintenance of deployed HEMM is undertaken regularly. ❖ Dust suppression by water sprinkling on haul roads are being done regularly in working area. ❖ Afforestation / Green belt development is being done along haul road and lease periphery. ❖ Mined-out areas will be converted to pasture land & also converted into water reservoir as per approved mining plan. ❖ Rural Development and Socio-economic activities is being undertaken in the project buffer zone area.
07	Breakup of the project area.	:	
	a) Submergence area (forest & non-forest)	:	Nil
	b) Others	:	728.1156 ha (Government waste land, Gauchar land & Private land)



08	Breakup of the project affected population with enumeration of those losing houses / dwelling units only agricultural land only, both dwelling units & agricultural land & landless labourers / artisan.	:	Not applicable																																																																																																																																																					
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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																																																																																																																																																					
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	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.	:	7.74 Cr.																																																																																																																																																					
10	Forest land requirement.	:																																																																																																																																																						
	a) The status of approval for diversion of forest land for non-forestry use	:	The Project area dose not comprise of any forest land																																																																																																																																																					
	b) The status of clearing felling	:	Not applicable																																																																																																																																																					
	c) The status of compensatory afforestation, if any	:	Not applicable																																																																																																																																																					
	d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	:	Not applicable																																																																																																																																																					

11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	:	Not applicable
12	Status of construction	:	
	a) Date of commencement (Actual and / or planned)	:	February 2012
	b) Date of completion (Actual and / or planned).	:	Not applicable. As it is ongoing captive mining Project for cement plant located at Ambujanagar.
13	Reasons for the delay if the project is yet to start.	:	Not applicable.
14	Dates of site visits	:	
	a) The dates on which the project was monitored by the Regional Office on previous occasions, if any.	:	12.10.10 to 13.10.10 by Dr. A. Mehrotra MoEFCC, Regional Office, Bhopal
	b) Date of site visit for this monitoring report	:	12.10.10 to 13.10.10
15	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits)	:	<ul style="list-style-type: none"> Half yearly compliance status report is being regularly submitted and last submission was on 06.11.2021 vide letter No. ACL/EMD/F-16/2021/2414/89671.



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

S N	Condition	Compliance Status
i	The project proponent shall obtain consent to establish and consent to operate from the Gujarat State Pollution Control Board and effectively implement all the conditions stipulated therein.	<ul style="list-style-type: none"> Consent to establish & Consent to operate has been granted by Gujarat Pollution Control Board vide CTE No. 39140 dated 29.10.2010, vide letter no. GPCB/ID29262/CTE/CCA-NG/288/62147 & CCA No.AWH-109029 dated 16.07.2020, vide letter no. GPCB/ID-29262/CCA/JNG-288(3)/566821, Valid up to 15/07/2025 respectively. All the stipulated conditions are being effectively complied.
ii	The environmental clearance is subject to approval of the State Land use Department, Government of Gujarat for diversion of agricultural land for non-agricultural use.	<ul style="list-style-type: none"> Point noted and being complied. The revenue land on which mining is being done has been converted in to non-agricultural use from State Land use dept. Government of Gujarat.
lii	Necessary prior permission from the competent authority as may be applicable for use of grazing land for mining purpose shall be obtained.	<ul style="list-style-type: none"> Industries and Mines Dept. Govt. of Gujarat have granted lease grant order vide order no. MCR-112000-CHH-1 dated 18.10.2011.
iv	The project proponent shall develop alternate grazing land/fodder plots in the non-mineralized area for use of grazing land.	<ul style="list-style-type: none"> Pasture land will be developed outside mine lease area, on getting clearance from various authorities.
v	The mine working shall be restricted to one meter above pre-monsoon ground water table level and without resorting to any pumping of groundwater.	<ul style="list-style-type: none"> Mining is being done above pre-monsoon ground water table. No pumping of ground water during mining is carried out.
vi	No pumping of groundwater shall be done for any purpose in the mine lease area.	<ul style="list-style-type: none"> No pumping of ground water in the mine lease area done till date.
vii	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations.	<ul style="list-style-type: none"> It is being ensured that during mining operations that the natural water course will not be obstructed by any mining activity.
viii	The project proponent shall effectively implement the conditions made by the Chief Wildlife Warden and Principal Chief Conservator of Forests, Gandhinagar vide their letter No.WLP/325/32/A/141-42/2009-10 dated 27.05.2009.	<p>Compliance Status is as under.</p> <ul style="list-style-type: none"> Mining is being done using eco-friendly, blast free Surface Miner Machine. Regular water sprinkling is being done in mining area and roads. Parameter of air and water are being maintained within prescribed norms. Development of the Green belt is under progress in periphery of lease area with respect to approved mine plan. Development of Appropriate parapet bund is under progress around mining pits as per mining plan. Mines will be suitably reclaimed as per mining plan.
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.	<ul style="list-style-type: none"> A very thin layer of top soil is available. Generated top soil is being stacked separately and systematically in the earmarked site with appropriate measures. Road side bunds are made from poor grade material. Top soil is used for land reclamation plantation and greenbelt development.

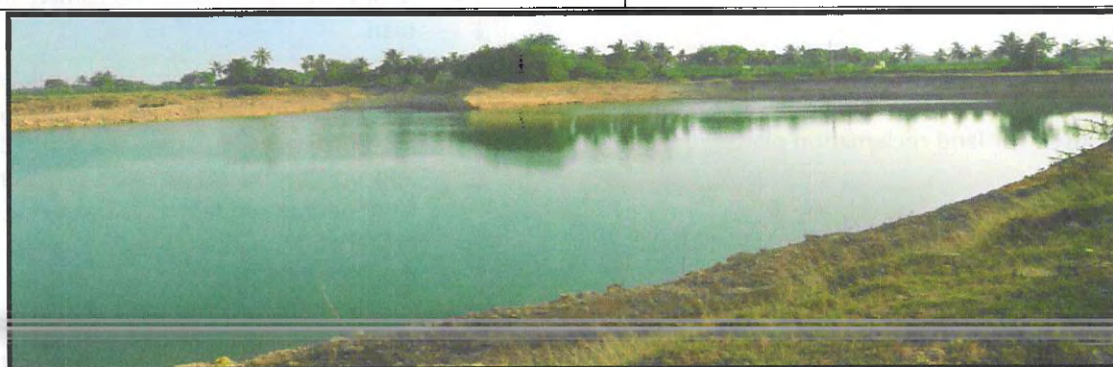


**Compliance Status of Environment Clearance issued to Singar Limestone Mines
Vide MoEF&CC Letter No: J-11015/273/2007-IA.II (M) dated 12th May, 2010**



TOP SOIL IS USED FOR GREENBELT AND PASTURE LAND DEVELOPMENT

x	<p>Catch drains and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment directly into the agricultural fields, rivers and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted particularly after the monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for the mine pit to prevent run off of water and flow of sediments directly into the agricultural fields rivers and other water bodies and sump capacity should be designed Keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals.</p>	<ul style="list-style-type: none"> • Mining Pits are interconnected with each other and excess water from one pit passes to bigger pits and at no time all pits are completely filled so excess water goes to nallah. However necessary arrangements are made to cater the situation and proper catch drains with siltation ponds are made.
xii	<p>The entire excavated area of 650.94ha left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.</p>	<ul style="list-style-type: none"> • Excavated area is being converted in to water bodies as per approved mining plan from IBM. • 1869.45 meters of Fencing has been done from October'2021 to March'2022. Cumulative Fencing done is 63293.83 meters.



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



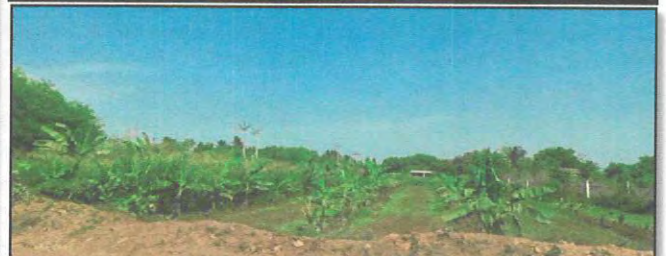


Barbed Wire fencing around the Excavated area



Brick Wall Fencing around the Excavated area

- | | |
|--|--|
| <p>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.</p> | <ul style="list-style-type: none"> Till March 2022, 2,3081 ha area is covered under plantation and green belt development. Details of greenbelt/reclamation are enclosed as under. |
|--|--|



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



Regular Plantation Drives are taken as per Progressive Mining Plan

xiv	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.	<ul style="list-style-type: none"> Regular water sprinkling through water tanker is in practice at mine lease area and on haul roads to control air borne dust. Ambient air quality parameters are being maintained within norms prescribed by CPCB. Report is Attached in Point No. (xxix)
xv	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	<ul style="list-style-type: none"> Rainwater harvesting measures to augment ground water resources in the area is being done by Ambuja Cement Foundation (ACF). Glimpses about ACF & community development work done by ACF in surrounding areas are enclosed as under.

**Ambuja Cement Foundation - Ambujanagar
Details for programme wise expenditure for the year October 2021 to March 2022**

(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 - Koderai						
	Water Resource Mangement & Drinking Water Projects						
1	a. Water Resource Development	50.89	10.61				61.50
	B .Drinking Water Programme	2.01	2.40		2.60	312.24	319.25
2	Agriculture Development(Drip irrigation, Farm Forestry & Afforestation)	29.52	1.25	10.69	116.79	150.89	319.14
3	BCI	10.23		136.58	72.83	119.00	338.64
4	Krishi Vigyan Kendra (KVK) - Agriculture	14.11	182.73				196.84
5	Health & Sanitation	19.30		11.24	27.64		58.18
6	Education Programme	6.91					6.91
7	Women / Youth Development	15.63					15.63
8	Skill and Enterprunership Development Programme	30.64	29.57	20.82	25.57		106.60
9	Integrated Community Development Programme	90.00		0.23			90.23
10	Co-ordination & Administration Expenses	26.90					26.90
11	Capital Expenditure	2.70					2.70
	TOTAL	298.83	215.95	179.56	245.43	592.13	1531.90

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	<ul style="list-style-type: none"> Complied. Water quality testing is carried out with the help of MoEF&CC certified third party laboratory as per prescribed schedule. Water levels are being recorded in 10 open wells of buffer zone and 2 piezometers are constructed in mines area core zone. Data collected is being communicated regularly to CGWA, New Delhi, MoEF&CC Regional office (SEZ) Bhopal, CGWB Regional Director Gandhinagar. Ground water level & quality monitoring is being
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Compliance Status of Environment Clearance issued to Singars Limestone Mines Vide MoEF&CC Letter No: J-11015/273/2007-IA.II (M) dated 12th May, 2010

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.

done regularly by establishing a network of ground water monitoring stations. Report is submitted to MoEF&CC regional office Bhopal , CGWA , CGWB and GPCB on yearly basis.: Last submitted on 18.05.2022 vide letter no ACL/EMD/F-14/2022/2506/428.

428

Ambuja Cement
REGD. A/D

18.05.2022

The Director,
Ministry of Environment, Forest and Climate Change (MoEF&CC),
Regional Office, Western Region,
"Kandhya Parvayawan Bhawan",
Link Road No. 3, New Sparker Nagar,
Bhopal - 462016, (M.P.)

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

Ref No: 1. J-11015/273/2007-IA.II (M) dated 12.05.2010
2. GWA/ACC-MIN/CRG/2007/9474 dated 19.09.2010

Dear Sir,

This is in reference to above mentioned letter to our Singars Limestone Mines Project of M/s Ambuja Cement Limited, located at village Singars, Taluka Sutrapada, District Gir, Somnath, Gujarat.

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

Kindly acknowledged the receipt of the same.

Thanking You,

Yours Faithfully,
For Ambuja Cement Limited

Dr. Divyendra Singh Chauhan
Head - Environment

Encl: As above

CC: 1. The Ministry of Environment, Forest and Climate Change (MoEF&CC), 3rd Floor, Patel Bldg, India Parvayawan Bhawan, Jee Singh, New Delhi-110003
2. Regional Director, Central Ground Water Board, West Central Region, Swami Narayan Building, Shah Alam Tolkana, Ahmedabad (Gujarat) Pin 380022
3. Central Ground Water Authority, Jangamra House, 18/11, Main Singh Road Area, New Delhi, Delhi 110001
4. The Member Secretary, Gujarat Pollution Control Board, Parvayawan Bhawan, Sector 10-A, Gandhinagar - 382019
5. Regional Officer, Gujarat Pollution Control Board, Opp. Anna's Church, Station Road, Junagadh-362001

Regd. Office: PG Ambuja - 362115, In. Ambuja,
Dist. Gir, Somnath (Gujarat)
Phone: 027971 21147, 21207,
Fax: 027971 20239

Ambuja Cement Limited
(Gujarat, Ambuja)
CIN No.: L3543GJ1984PL10004117
www.ambujacement.com

Corporate Office:
Export Business Park,
MSE Cyber Zone 'B',
Off. Ambuja - Karna Road, Andheri (E),
Mumbai - 400 058. Phone: 022 4980700

Dec-21													
Ground Water Quality Report and Water Level of Singars Limestone Mines													
Sr.No.	Ref. No.	IE 10699/2012 (G.U.)		Well Water								Piezometers	
		Measurable	Permissible	W1 SINGARS SUTRAPADA GIR-SOMNATH	W2 SINGARS SUTRAPADA GIR-SOMNATH	W3 SINGARS SUTRAPADA GIR-SOMNATH	W4 SINGARS SUTRAPADA GIR-SOMNATH	W5 SINGARS SUTRAPADA GIR-SOMNATH	W6 SINGARS SUTRAPADA GIR-SOMNATH	W7 SINGARS SUTRAPADA GIR-SOMNATH	W8 SINGARS SUTRAPADA GIR-SOMNATH	PIEZO NO-1 SINGARS SUTRAPADA GIR-SOMNATH	PIEZO NO-2 SINGARS SUTRAPADA GIR-SOMNATH
1	Water Hardness Units	5	15	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
2	Colour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Turbidity NTU	5	5	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	pH at 25°C	6.5 to 8.5	No Relaxation	7.97	7.60	7.42	7.58	7.42	7.42	7.42	7.42	7.42	7.42
5	Dissolved Solids mg/l	500	2000	3701	3552	3552	3552	3552	3552	3552	3552	3552	3552
6	Total Hardness (as CaCO ₃) mg/l	500	2000	1748	3188	1862	1862	1862	1862	1862	1862	1862	1862
7	Calcium (as Ca) mg/l	75	300	300	300	300	300	300	300	300	300	300	300
8	Magnesium (as Mg) mg/l	30	100	151	300	300	300	300	300	300	300	300	300
9	Chloride (as Cl) mg/l	250	1000	812	1270	1270	1270	1270	1270	1270	1270	1270	1270
10	Sulphate (as SO ₄) mg/l	200	400	300	1270	1270	1270	1270	1270	1270	1270	1270	1270
11	Nitrate (as NO ₃) mg/l	45	No Relaxation	16.49	118.70	118.70	118.70	118.70	118.70	118.70	118.70	118.70	118.70
12	Fluoride (as F) mg/l	1.5	1.5	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
13	Alkalinity (as CaCO ₃) mg/l	200	600	114	35	35	35	35	35	35	35	35	35
14	Water Level (m below)			17.5	18.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
Upstream the probability is given considering above 11 Test Parameters only.													
Feb-22													
Ground Water Quality Report and Water Level of Singars Limestone Mines													
Sr.No.	Ref. No.	IE 10699/2012 (G.U.)		Well Water								Piezometers	
		Measurable	Permissible	W1 SINGARS SUTRAPADA GIR-SOMNATH	W2 SINGARS SUTRAPADA GIR-SOMNATH	W3 SINGARS SUTRAPADA GIR-SOMNATH	W4 SINGARS SUTRAPADA GIR-SOMNATH	W5 SINGARS SUTRAPADA GIR-SOMNATH	W6 SINGARS SUTRAPADA GIR-SOMNATH	W7 SINGARS SUTRAPADA GIR-SOMNATH	W8 SINGARS SUTRAPADA GIR-SOMNATH	PIEZO NO-1 SINGARS SUTRAPADA GIR-SOMNATH	PIEZO NO-2 SINGARS SUTRAPADA GIR-SOMNATH
1	Water Hardness Units	5	15	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
2	Colour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Turbidity NTU	5	5	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	pH at 25°C	6.5 to 8.5	No Relaxation	7.54	7.75	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59
5	Dissolved Solids mg/l	500	2000	2878	3720	3720	3720	3720	3720	3720	3720	3720	3720
6	Total Hardness (as CaCO ₃) mg/l	500	2000	1250	1700	1700	1700	1700	1700	1700	1700	1700	1700
7	Calcium (as Ca) mg/l	75	300	300	300	300	300	300	300	300	300	300	300
8	Magnesium (as Mg) mg/l	30	100	151	300	300	300	300	300	300	300	300	300
9	Chloride (as Cl) mg/l	250	1000	812	1270	1270	1270	1270	1270	1270	1270	1270	1270
10	Sulphate (as SO ₄) mg/l	200	400	300	1270	1270	1270	1270	1270	1270	1270	1270	1270
11	Nitrate (as NO ₃) mg/l	45	No Relaxation	16.49	118.70	118.70	118.70	118.70	118.70	118.70	118.70	118.70	118.70
12	Fluoride (as F) mg/l	1.5	1.5	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
13	Alkalinity (as CaCO ₃) mg/l	200	600	114	35	35	35	35	35	35	35	35	35
14	Water Level (m below)			18.0	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
Upstream the probability is given considering above 11 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. | • There will be no withdrawal of ground water. Water requirement at initial stage were being from private water purchasing. As mines developed water requirement is met from harvested rain water in mined out pits. |
| xviii | The project proponent shall practice suitable rainwater harvesting measures on long term basis and work out a detailed scheme for rainwater harvesting in consultation with the Central Groundwater Authority and submit a copy of the same to the Ministry of Environment and Forests and its Regional Office, Bhopal. | • Rainwater harvesting measures to augment ground water resources in the area is being done by Ambuja Cement Foundation (ACF) . Details of work done by ACF in nearby areas is enclosed as under. Descriptive Annexure is also attached as Annexure-1 |



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

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year October 2021 to March 2022							
(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 Development	50.89	10.61				61.50
	B .Drinking Water Programme	2.01	2.40		2.60	312.24	319.25
2	Agriculture Development(Drip irrigation, Farm Forestry & Afforestation)	29.52	1.25	10.69	116.79	160.89	319.14
3	BCI	10.23		136.58	72.83	119.00	338.64
4	Krishi Vigyan Kendra (KVK) - Agriculture	14.11	182.73				196.84
5	Health & Sanitation	19.30		11.24	27.64		58.18
6	Education Programme	6.91					6.91
7	Women / Youth Development	15.63					15.63
8	Skill and Enterprunership Development Programme	30.64	29.57	20.82	25.57		106.60
9	Integrated Community Development Programme	90.00		0.23			90.23
10	Co-ordination & Administration Expenses	26.90					26.90
11	Capital Expenditure	2.70					2.70
	TOTAL	298.83	215.95	179.56	245.43	592.13	1531.90


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.

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.

xxi Drilling and blasting operation shall not be carried out.

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.


- These rivers are far off from the project area, State Pollution Control Board will be consulted, if required.
- Vehicular emissions are being checked & monitored regularly. **Detail of P.U.C certificate by Somnath P.U.C Center (Approved by : Veraval transport commissionerate, Gujarat) is enclosed as under:**

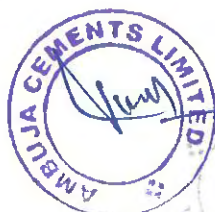


- All vehicles used for transportation of raw materials are being covered properly & Not Over loaded.

- We carry out digital processing of the entire lease area once in every three years. Year 2019 report has been submitted to MoEF&CC, New Delhi and its Regional Office Bhopal on 02.03.2020 vide letter no **ACL/EMD/F-14/2020/2094/87094**.

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

		
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).	<ul style="list-style-type: none"> There is no permanent structure within the mine premises and compensation for land looser is being done as per rate defined in national R&R policy.
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.	<ul style="list-style-type: none"> There is no mineral handling plant at Mine site. Mineral extracted is being transported to cement plant by tippers/truck tipplers, which is being covered with suitable covering mechanism for prevention of fugitive emission.
xxv	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	<ul style="list-style-type: none"> Sewage treatment plant of a capacity 1500 KLD has already been installed & operational at Ambujanagar. No additional colony has been developed at project site. Oil & Grease Separator workshop for capturing of oil & grease from waste used. There is no requirement of ETP.
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.	<ul style="list-style-type: none"> Pre-project community health status report has already been submitted to MoEF&CC vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010.
xxvi i	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	<ul style="list-style-type: none"> Pre-placement medical examination and periodical medical examination of the worker men engaged is being regularly carried out at our all existing plant and mines by team of doctors at our occupational health center & Ambuja Multi speciality Hospital; Ambujanagar.
xxvi ii	Provision shall be made for the housing of constructions labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	<ul style="list-style-type: none"> All the operators and competent person resides in our existing colony at Ambujanagar, Kodinar. There is no project work at mines area this no such requirement. Whenever such requirement will be generated provision will be set up.
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	<ul style="list-style-type: none"> Air quality monitoring and water quality monitoring is being done regularly and report is submitted to GPCB & MoEF&CC. Results of Air & Water quality monitoring is being uploaded on the website of the company as well as displayed on display board at the project site near mine office. The Ambient Air Quality monitoring results for the period October'2021 to MARCH'2022 for PM2.5, PM10, SO2, NOx and CO are enclosed as under :



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

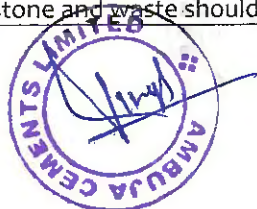
No. J-20012/1/2006- IA.II (M) dated 27.05.2009 issued by Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in, shall also be referred in this regard for its compliance.

Ambient Air Quality Monitoring Results (October-2021 to March-2022)																				
Month	Singar Mines					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-21	22.60	46.30	11.20	12.60	BDL	21.50	42.50	10.60	13.70	BDL	28.40	45.90	13.20	15.20	BDL	26.30	48.70	10.80	14.60	BDL
	24.50	42.60	12.80	15.40	BDL	31.60	45.10	13.90	14.30	BDL	27.80	46.70	16.40	16.20	BDL	29.40	43.50	14.60	14.20	BDL
Nov-21	28.30	41.20	10.20	14.80	BDL	26.40	38.70	12.80	10.70	BDL	22.80	40.90	16.70	12.30	BDL	21.70	42.50	11.30	17.80	BDL
	29.50	47.60	15.20	17.80	BDL	26.30	40.20	14.70	12.20	BDL	33.70	41.80	12.30	14.30	BDL	34.50	37.40	18.70	11.30	BDL
Dec-21	28.60	40.30	10.30	12.40	BDL	27.60	42.60	12.40	13.40	BDL	30.10	45.90	11.60	10.90	BDL	32.60	44.80	13.40	9.80	BDL
	26.70	42.90	14.90	16.40	BDL	27.60	46.80	15.80	17.90	BDL	30.10	47.90	16.70	14.80	BDL	30.90	40.60	10.90	12.40	BDL
Jan-22	29.30	42.30	13.20	19.40	BDL	31.20	40.50	15.20	22.30	BDL	33.40	39.50	11.60	20.50	BDL	28.50	36.70	10.80	26.00	BDL
	30.50	39.40	11.90	19.40	BDL	28.40	36.70	13.60	18.20	BDL	26.90	41.20	15.20	22.30	BDL	25.20	42.00	12.70	23.40	BDL
Feb-22	28.60	40.10	12.60	10.60	BDL	29.70	42.60	11.60	9.80	BDL	30.10	43.60	13.40	12.40	BDL	20.60	38.70	14.80	16.80	BDL
	28.90	45.60	12.90	18.70	BDL	27.60	40.30	10.60	14.60	BDL	20.80	42.50	9.80	15.90	BDL	29.70	30.90	14.70	18.60	BDL
Mar-22	25.60	39.70	10.60	9.80	BDL	28.90	40.60	12.50	16.80	BDL	27.60	42.80	11.80	14.60	BDL	30.10	34.60	18.70	12.60	BDL
	30.60	42.60	10.60	12.10	BDL	32.90	40.60	12.50	13.60	BDL	33.80	39.80	13.90	14.90	BDL	38.70	37.40	18.70	17.60	BDL
Month	Khera village					Moradpura 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-21	24.50	46.30	12.50	16.80	BDL	22.80	43.50	11.60	12.50	BDL	24.30	48.20	11.80	14.30	BDL	25.80	46.70	12.40	12.80	BDL
	24.10	46.20	11.50	14.80	BDL	26.50	41.80	12.70	13.40	BDL	31.60	47.80	12.50	11.60	BDL	24.80	43.50	10.80	13.20	BDL
Nov-21	29.60	41.30	14.90	19.50	BDL	26.60	49.80	9.70	14.50	BDL	28.70	42.20	12.60	12.20	BDL	30.10	41.60	14.50	10.80	BDL
	29.70	41.90	10.20	12.80	BDL	33.40	37.40	9.10	10.30	BDL	36.40	42.30	14.58	11.60	BDL	29.20	39.30	15.60	8.40	BDL
Dec-21	33.80	43.70	14.60	8.70	BDL	28.70	40.30	18.70	10.60	BDL	24.60	30.80	16.40	12.40	BDL	30.90	35.80	10.30	15.80	BDL
	24.20	39.70	15.70	13.60	BDL	22.40	35.10	16.80	17.90	BDL	28.90	42.30	16.80	10.90	BDL	36.80	46.70	16.70	11.80	BDL
Jan-22	26.50	40.10	11.40	15.90	BDL	31.20	43.60	12.80	18.40	BDL	26.60	39.40	13.50	18.00	BDL	31.50	38.60	11.70	19.20	BDL
	25.90	43.50	13.00	18.70	BDL	28.40	36.40	14.80	16.40	BDL	31.20	39.40	14.30	25.10	BDL	32.20	40.00	11.40	16.50	BDL
Feb-22	24.60	41.60	19.80	12.50	BDL	29.80	30.90	10.60	15.40	BDL	24.30	41.50	14.50	14.80	BDL	30.90	43.10	12.80	10.90	BDL
	32.90	39.80	14.60	15.80	BDL	30.40	30.40	10.90	10.90	BDL	34.70	41.60	17.60	14.80	BDL	27.60	32.80	16.40	14.60	BDL
Mar-22	32.60	35.90	14.60	11.70	BDL	35.80	30.70	13.60	10.80	BDL	29.70	32.90	13.80	14.70	BDL	26.80	42.80	10.90	16.80	BDL
	34.60	45.80	14.60	10.60	BDL	28.70	40.60	12.50	13.90	BDL	24.60	34.60	11.60	18.70	BDL	29.80	33.90	10.90	12.60	BDL

- | | | |
|------|---|---|
| xxx | <p>The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely Asiatic Lion, Leopard, Indian Peafowl, Eurasian Spoonbill etc. spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhopal.</p> | <ul style="list-style-type: none"> "Status of Biodiversity (Flora & Fauna) in core and buffer zone areas of Singar 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. |
| xxxi | <p>A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.</p> | <ul style="list-style-type: none"> Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate Change (MoEF&CC) 5 years in advance of final mine closure for approval. |

B. General Conditions:

- | | | |
|----|--|--|
| i | <p>No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.</p> | <ul style="list-style-type: none"> 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 | <p>No change in the calendar plan including excavation, quantum of mineral limestone and waste should be made.</p> | <ul style="list-style-type: none"> Point Noted & being complied. |



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

iii	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10µm i.e., PM ₁₀), NO _x 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.	<ul style="list-style-type: none"> 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:
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Ambient Air Quality Monitoring Results (October-2021 to March-2022)																				
Month	Singstar Mines					Working Area					Eastern Boundary					West Boundary				
Unit >	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Oct-21	22.60	46.30	11.20	12.60	BDL	21.50	42.50	10.60	13.70	BDL	28.40	45.90	13.20	15.20	BDL	26.30	48.70	10.80	14.60	BDL
Nov-21	24.50	42.60	12.80	15.40	BDL	31.60	45.10	13.90	14.30	BDL	27.80	46.70	16.40	16.20	BDL	29.40	43.50	14.60	14.20	BDL
	28.30	41.20	10.20	14.60	BDL	26.40	38.70	12.80	10.70	BDL	22.80	40.90	16.70	12.30	BDL	21.70	42.50	11.30	17.80	BDL
Dec-21	29.50	47.60	15.20	17.80	BDL	26.30	40.20	14.70	12.20	BDL	33.70	41.80	12.30	14.30	BDL	34.50	37.40	18.70	11.30	BDL
	28.60	40.30	10.30	12.40	BDL	27.60	42.60	12.40	13.40	BDL	30.10	45.90	11.60	10.90	BDL	32.60	44.80	13.40	9.80	BDL
Jan-22	28.70	42.90	14.90	16.40	BDL	27.60	46.80	15.80	17.90	BDL	30.10	47.90	16.70	14.80	BDL	30.90	40.60	10.90	12.40	BDL
	29.30	42.30	13.20	19.40	BDL	31.20	40.50	15.20	22.30	BDL	33.40	39.50	11.60	20.50	BDL	28.50	36.70	10.80	26.00	BDL
Feb-22	30.50	39.40	11.90	19.40	BDL	28.40	36.70	13.60	18.20	BDL	26.90	41.20	15.20	22.30	BDL	25.20	42.00	12.70	23.40	BDL
	28.60	40.10	12.60	10.60	BDL	29.70	42.60	11.60	9.80	BDL	30.10	43.60	13.40	12.40	BDL	20.60	38.70	14.80	16.80	BDL
Mar-22	28.90	45.60	12.90	18.70	BDL	27.60	40.30	10.60	14.60	BDL	20.80	42.50	9.80	15.90	BDL	29.70	30.90	14.70	18.60	BDL
	25.60	39.70	10.60	9.80	BDL	28.90	40.60	12.50	16.80	BDL	27.60	42.80	11.60	14.60	BDL	30.10	34.60	18.70	12.60	BDL
	30.60	42.60	10.60	12.10	BDL	32.90	40.60	12.50	13.60	BDL	33.80	39.80	13.90	14.90	BDL	38.70	37.40	18.70	17.60	BDL
Month	Khara village					Moradiya village					Barevala Village					Thordli Village				
Unit >	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Oct-21	24.50	46.50	12.50	16.80	BDL	22.80	43.50	11.60	12.50	BDL	24.30	48.20	11.80	14.30	BDL	25.80	46.70	12.40	12.80	BDL
Nov-21	24.10	46.20	11.50	14.80	BDL	26.50	41.80	12.70	13.40	BDL	31.60	47.80	12.50	11.60	BDL	24.80	43.50	10.80	13.20	BDL
	29.60	41.30	14.90	19.50	BDL	26.60	49.80	9.70	14.50	BDL	28.70	42.20	12.60	12.20	BDL	30.10	41.60	14.50	10.80	BDL
Dec-21	29.70	41.90	10.20	12.80	BDL	33.40	37.40	9.10	10.30	BDL	38.40	42.30	14.58	11.60	BDL	29.20	39.30	15.60	8.40	BDL
	33.80	43.70	14.60	8.70	BDL	28.70	40.30	18.70	10.60	BDL	24.60	30.80	16.40	12.40	BDL	30.90	35.80	10.30	15.80	BDL
Jan-22	24.20	39.70	15.70	13.60	BDL	22.40	35.10	16.80	17.90	BDL	28.90	42.30	16.80	10.90	BDL	36.80	46.70	16.70	11.80	BDL
	26.50	40.10	11.40	15.90	BDL	31.20	43.60	12.80	18.40	BDL	26.60	39.40	13.50	18.00	BDL	31.50	38.60	11.70	19.20	BDL
Feb-22	25.90	43.50	13.00	18.70	BDL	28.40	36.40	14.80	16.40	BDL	31.20	39.40	14.30	25.10	BDL	32.20	40.00	11.40	16.50	BDL
	24.60	41.60	19.80	12.50	BDL	29.80	30.90	10.60	15.40	BDL	24.30	41.50	14.50	14.60	BDL	30.90	43.10	12.80	10.90	BDL
Mar-22	32.90	39.80	14.60	15.80	BDL	30.40	30.40	10.90	10.90	BDL	34.70	41.60	17.60	14.80	BDL	27.60	32.80	16.40	14.60	BDL
	32.60	35.90	14.60	11.70	BDL	35.80	30.70	13.60	10.80	BDL	29.70	32.90	13.80	14.70	BDL	26.80	42.80	10.90	16.80	BDL
	34.60	45.80	14.60	10.60	BDL	28.70	40.60	12.50	13.90	BDL	24.60	34.60	11.60	18.70	BDL	29.80	33.90	10.90	12.60	BDL

iv	Data on ambient air quality RSPM (Particulate matter with size less than 10µm i.e., PM ₁₀), & NO _x 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.	<ul style="list-style-type: none"> Ambient air quality is being monitored regularly and report is being regularly submitted to GPCB/ MoEF&CC & CPCB. Latest report Submitted on dated 06.11.2021 vide letter no. ACL/EMD/F-16/2021/2414/89671.
V	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	<ul style="list-style-type: none"> Environment friendly Surface Miner machine is being used for mining. Surface miner is provided with inbuilt facility of water sprinkling to suppress dust generated during mining. On all haul roads regular water sprinkling is being done by water tankers. Report of Fugitive Emission monitoring is enclosed as Under :

Fugitive Emission Monitoring - (October-2021 to March-2022)			
Month	Haulage Road SPM (µg/m ³)	Nr. Loading Area SPM (µg/m ³)	Working Pit Area SPM (µg/m ³)
Oct-21	1735	1600	2025
Nov-21	1238	1982	2236
Dec-21	1260	1970	1658
Jan-22	1310	1845	1730
Feb-22	1265	1920	1680
Mar-22	1280	1924	1745



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

Vi	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.	<ul style="list-style-type: none">Blast free eco-friendly machine i.e. Surface Miner is used for excavating the limestone. The noise levels are kept well within the permissible limits by system of condition monitoring of the equipment and well planned maintenance routine. All the workers working in high noise areas are being provided with ear plug/ear muffs. Report of ambient noise monitoring as well as HEMM noise monitoring is enclosed as Under :																																																																																													
(a)	<table><tr><th colspan="7">Ambient Noise Level Monitoring - Singsar Mines (October-2021 to March-2022)</th></tr><tr><th rowspan="3">Month</th><th colspan="6">Noise Levels in dB(A)</th></tr><tr><th colspan="2">Near Surface Miner</th><th colspan="2">Hual road</th><th colspan="2">Mines offices</th></tr><tr><th>Leq (Day)</th><th>Leq (Night)</th><th>Leq (Day)</th><th>Leq (Night)</th><th>Leq (Day)</th><th>Leq (Night)</th></tr><tr><td>Oct-21</td><td>69</td><td>64</td><td>70</td><td>60</td><td>62</td><td>53</td></tr><tr><td>Nov-21</td><td>68</td><td>65</td><td>66</td><td>64</td><td>61</td><td>57</td></tr><tr><td>Dec-21</td><td>62</td><td>58</td><td>63</td><td>59</td><td>56</td><td>53</td></tr><tr><td>Jan-22</td><td>64</td><td>60</td><td>63</td><td>61</td><td>60</td><td>57</td></tr><tr><td>Feb-22</td><td>65</td><td>58</td><td>65</td><td>60</td><td>58</td><td>55</td></tr><tr><td>Mar-22</td><td>66</td><td>61</td><td>67</td><td>62</td><td>61</td><td>54</td></tr></table>		Ambient Noise Level Monitoring - Singsar Mines (October-2021 to March-2022)							Month	Noise Levels in dB(A)						Near Surface Miner		Hual road		Mines offices		Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Oct-21	69	64	70	60	62	53	Nov-21	68	65	66	64	61	57	Dec-21	62	58	63	59	56	53	Jan-22	64	60	63	61	60	57	Feb-22	65	58	65	60	58	55	Mar-22	66	61	67	62	61	54																									
Ambient Noise Level Monitoring - Singsar Mines (October-2021 to March-2022)																																																																																															
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Mar-22	66	61	67	62	61	54																																																																																									
(b)	<table><tr><th colspan="9">Noise Level of HEMM distance - Singsar Mines (October-2021 to March-2022)</th></tr><tr><th>Machine</th><th colspan="3">Surface Miner</th><th colspan="3">Loader</th><th colspan="3">Dozer</th></tr><tr><th rowspan="2">Month</th><th rowspan="2">Conditions</th><th colspan="2">Noise Levels (dB)</th><th rowspan="2">Conditions</th><th colspan="2">Noise Levels (dB)</th><th rowspan="2">Conditions</th><th colspan="2">Noise Levels (dB)</th></tr><tr><th>At 5m.</th><th>At 10m.</th><th>At 5m.</th><th>At 10m.</th><th>At 5m.</th><th>At 10m.</th></tr><tr><td></td><td></td><td>Leq</td><td>Leq</td><td></td><td>Leq</td><td>Leq</td><td></td><td>Leq</td><td>Leq</td></tr><tr><td>Oct-21</td><td rowspan="6">While dozing the material</td><td>64</td><td>64</td><td rowspan="6">While loading to tipper</td><td>71</td><td>63</td><td rowspan="6">While mining</td><td>72</td><td>65</td></tr><tr><td>Nov-21</td><td>65</td><td>63</td><td>63</td><td>62</td><td>66</td><td>62</td></tr><tr><td>Dec-21</td><td>74</td><td>70</td><td>71</td><td>66</td><td>74</td><td>70</td></tr><tr><td>Jan-22</td><td>72</td><td>70</td><td>69</td><td>65</td><td>72</td><td>66</td></tr><tr><td>Feb-22</td><td>74</td><td>71</td><td>70</td><td>66</td><td>71</td><td>67</td></tr><tr><td>Mar-22</td><td>75</td><td>70</td><td>70</td><td>65</td><td>67</td><td>59</td></tr></table>		Noise Level of HEMM distance - Singsar Mines (October-2021 to March-2022)									Machine	Surface Miner			Loader			Dozer			Month	Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)		At 5m.	At 10m.	At 5m.	At 10m.	At 5m.	At 10m.			Leq	Leq		Leq	Leq		Leq	Leq	Oct-21	While dozing the material	64	64	While loading to tipper	71	63	While mining	72	65	Nov-21	65	63	63	62	66	62	Dec-21	74	70	71	66	74	70	Jan-22	72	70	69	65	72	66	Feb-22	74	71	70	66	71	67	Mar-22	75	70	70	65	67	59			
Noise Level of HEMM distance - Singsar Mines (October-2021 to March-2022)																																																																																															
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Jan-22		72	70		69	65		72	66																																																																																						
Feb-22		74	71		70	66		71	67																																																																																						
Mar-22		75	70		70	65		67	59																																																																																						
Vii	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	<ul style="list-style-type: none">No waste water generation from Mines, only negligible amount of waste water generated from workshop, which is being treated at baffle type oil and grease separation system and treated water is being used for Dust Suppression on Haul roads.																																																																																													
Viii	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	<ul style="list-style-type: none">Dust Masks, Safety Shoes, Safety Goggles & Helmet are provided to each & every personnel working in the mine area. Periodic Health check up is being done for personnel working in mines area. Work area monitoring for air borne dust is carried out regularly on monthly basis, monitoring results are enclosed as under.																																																																																													
	<table><tr><th colspan="12">Air Borne Dust Survey (October-2021 to March-2022)</th></tr><tr><th colspan="4">Machine : Surface Miner</th><th colspan="4">Machine :Dozer</th><th colspan="4">Machine Loader</th></tr><tr><th>Date</th><th>Period</th><th>Location</th><th>RSPM (mg/m3)</th><th>Date</th><th>Period</th><th>Location</th><th>RSPM (mg/m3)</th><th>Date</th><th>Period</th><th>Location</th><th>RSPM (mg/m3)</th></tr><tr><td>18-Oct-21</td><td>14:00-22:00</td><td rowspan="6">Inside Cabin</td><td>0.29</td><td>19-Oct-21</td><td>14:00-22:00</td><td rowspan="6">Inside Cabin</td><td>0.35</td><td>20-Oct-21</td><td>14:00-22:00</td><td rowspan="6">Inside Cabin</td><td>0.39</td></tr><tr><td>10-Nov-21</td><td>06:00-14:00</td><td>0.25</td><td>11-Nov-21</td><td>06:00-14:00</td><td>0.3</td><td>12-Nov-21</td><td>06:00-14:00</td><td>0.27</td></tr><tr><td>7-Dec-21</td><td>14:00-22:00</td><td>0.32</td><td>8-Dec-21</td><td>14:00-22:00</td><td>0.29</td><td>9-Dec-21</td><td>14:00-22:00</td><td>0.26</td></tr><tr><td>11-Jan-22</td><td>06:00-14:00</td><td>0.38</td><td>12-Jan-22</td><td>06:00-14:00</td><td>0.35</td><td>13-Jan-22</td><td>06:00-14:00</td><td>0.29</td></tr><tr><td>1-Feb-22</td><td>14:00-22:00</td><td>0.40</td><td>2-Feb-22</td><td>14:00-22:00</td><td>0.36</td><td>3-Feb-22</td><td>14:00-22:00</td><td>0.32</td></tr><tr><td>14-Mar-22</td><td>06:00-14:00</td><td>0.38</td><td>15-Mar-22</td><td>06:00-14:00</td><td>0.34</td><td>16-Mar-22</td><td>06:00-14:00</td><td>0.36</td></tr></table>		Air Borne Dust Survey (October-2021 to March-2022)												Machine : Surface Miner				Machine :Dozer				Machine Loader				Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)	18-Oct-21	14:00-22:00	Inside Cabin	0.29	19-Oct-21	14:00-22:00	Inside Cabin	0.35	20-Oct-21	14:00-22:00	Inside Cabin	0.39	10-Nov-21	06:00-14:00	0.25	11-Nov-21	06:00-14:00	0.3	12-Nov-21	06:00-14:00	0.27	7-Dec-21	14:00-22:00	0.32	8-Dec-21	14:00-22:00	0.29	9-Dec-21	14:00-22:00	0.26	11-Jan-22	06:00-14:00	0.38	12-Jan-22	06:00-14:00	0.35	13-Jan-22	06:00-14:00	0.29	1-Feb-22	14:00-22:00	0.40	2-Feb-22	14:00-22:00	0.36	3-Feb-22	14:00-22:00	0.32	14-Mar-22	06:00-14:00	0.38	15-Mar-22	06:00-14:00	0.34	16-Mar-22	06:00-14:00	0.36
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1-Feb-22	14:00-22:00		0.40	2-Feb-22	14:00-22:00		0.36	3-Feb-22	14:00-22:00		0.32																																																																																				
14-Mar-22	06:00-14:00		0.38	15-Mar-22	06:00-14:00		0.34	16-Mar-22	06:00-14:00		0.36																																																																																				
	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	<ul style="list-style-type: none">Occupational health surveillance program of the workers is undertaken periodically by our Occupational Health Centre.																																																																																													



Sd/Sevt. Ajait Satadey Singh, Emp. No. 2114112 (1 Mines)
 FORM-M
 (See Rule 29-0)
 Notice of initial/periodical medical examination under rule 29 B
 No. _____ Date: 15/12/2012
 Sd/Sevt. Ajait Satadey Singh, Nature of employment Asst. Manager, Serial number from _____
 A register 1st, Son/Daughter/Wife of Satadey Singh is hereby notified the holder/ she
 should present Rule 29B of the Mines Act, 1955 before _____ (given)
 --- (give date) of AMBULANCE HOSPITAL. (give time)
 Sd/Sevt. Ajait Satadey Singh may note that if he/she fails, without reasonable
 excuse, to submit himself/herself for the medical examination aforesaid he/she shall
 not be eligible for appointment/continuance in employment in the Mines from SINGAR
LIMESTONE MINES
 Sd/Sevt. Ajait Satadey Singh may further note that he/she should bring with him/her
 three unframed 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
Singar Limestone Mines
Ambulca Cement Limited
VIII, Singar, Ta. Sudrpadu,
Dist. Gt-Senathi Durgai-387 274
 * 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 or 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.

Asst. Secretary Singh, Enq. No. 283/2008 (1 Month)

FORM - D
(Rev. Jan 79/12) and 29.11

Report of Medical Examination Under 29a
(To be filled at Hospital)

Certificate No. _____


Certificator that Shri/Smt./Mx. **Asmita Sankar Singh** employed as **Asst. Manager** in **INDIAN LIMESTONE MINES** Form A No. **11** has been examined for **AD** **polygraphical** medical examination. He/She appears to be **DOB: 17.07.1993** years of age. Since the findings of the examination are given in the attached sheet, it is recommended that **Shri/Smt. Asmita Sankar Singh**

* (s) is medically fit for any employment in mines, _____ and is medically unfit for: _____

(a) any employment in mine, or
(b) any employment below ground, or
(c) any employment or work, _____

(d) 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 _____ and _____ of _____

_____ He/She may be permitted/ prohibited to work in _____ shall be during this period



Signature of the Examining Authority

Name and Designation in Block
Letters

Dr. **SHREYA CHAKRABARTY**
CHIEF, NMR, D.P. FICER

Place: _____ Date: **18/12/2023**

* Delete whatever not applicable.

One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post and the third copy shall be retained by the examining authority.

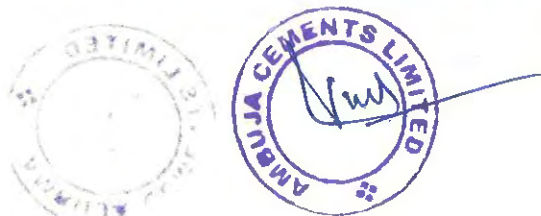


ix	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
x	The funds earmarked for environmental protection measures should be kept in separate account and should not 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.

-
- ```
graph TD;
 A[Unit Head] --> B[Head Environment];
 B --> C[Sr. Officer - Environment];
 B --> D[vacant];
```

- Details of capital and recurring expenditure for environmental protection measures are enclosed as under:

| Expenditure incurred in Environment Management Plan - SINGSAR MINES   |                                                  |                | Ambuja Cement Foundation - Ambujanagar<br>Details for programme wise expenditure for the year October 2021 to March 2022<br>(Rs. In Lakhs) |                                                                          |           |                                    |                                             |                           |                                    |            |
|-----------------------------------------------------------------------|--------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------|------------------------------------|---------------------------------------------|---------------------------|------------------------------------|------------|
| A. Capital Investment for Environmental Monitoring :                  |                                                  |                | Sr.No                                                                                                                                      | Programme                                                                | ACF - ACL | *Funds received through Government | ** Funds from other Donors / Donor Agencies | *** People's Contribution | **** Direct Funding to Communities | Total Exp. |
| S.No                                                                  | Particulars                                      | Cost (In Lacs) |                                                                                                                                            |                                                                          |           |                                    |                                             |                           |                                    |            |
| 1                                                                     | Monitoring Equipments                            | 37.08          |                                                                                                                                            | GUJARAT - Rodinar                                                        |           |                                    |                                             |                           |                                    |            |
| 2                                                                     | Environment Laboratory                           | 10             |                                                                                                                                            | Water Resource Mangement & Drinking Water Projects                       |           |                                    |                                             |                           |                                    |            |
| 3                                                                     | Others (Monitoring Van, DG Sets etc.             | 10             | 1                                                                                                                                          | a. Water Resource Development                                            | 50.89     | 10.61                              |                                             |                           |                                    | 61.50      |
|                                                                       | Total (In Lacs INR)                              | 57.08          |                                                                                                                                            | B. Drinking Water Programme                                              | 2.01      | 2.40                               |                                             | 2.60                      | 312.24                             | 319.25     |
| B. Recurring Expenditure for the period of October'2021 to March'2022 |                                                  |                | 2                                                                                                                                          | Agriculture Development( Drip Irrigation, Farm Forestry & Afforestation) | 29.52     | 1.25                               | 10.69                                       | 116.79                    | 160.89                             | 319.14     |
| S.No                                                                  | Particulars                                      | Cost (In Lacs) | 3                                                                                                                                          | BCI                                                                      | 10.23     |                                    | 136.58                                      | 72.83                     | 119.00                             | 338.64     |
| 1                                                                     | Green belt development & Dust suppression        | 29.38          | 4                                                                                                                                          | Krishni Vigyan Kendra (KVK) - Agriculture                                | 14.11     | 182.73                             |                                             |                           |                                    | 196.84     |
| 2                                                                     | Manpower Cost *                                  | 14.75          | 5                                                                                                                                          | Health & Sanitation                                                      | 19.30     |                                    | 11.24                                       | 27.64                     |                                    | 58.18      |
| 3                                                                     | House Keeping                                    | 0.92           | 6                                                                                                                                          | Education Programme                                                      | 6.91      |                                    |                                             |                           |                                    | 6.91       |
| 4                                                                     | Other Env. Protection (Environmental Monitoring) | 1.81           | 7                                                                                                                                          | Women / Youth Development                                                | 15.63     |                                    |                                             |                           |                                    | 15.63      |
| 5                                                                     | Environment Awareness *                          | 0.50           | 8                                                                                                                                          | Skill and Entrepreneurship Development Programme                         | 39.64     | 29.57                              | 20.82                                       | 25.57                     |                                    | 106.60     |
|                                                                       | Total (In Lacs INR)                              | 47.35          | 9                                                                                                                                          | Integrated Community Development Programme                               | 90.00     |                                    | 0.23                                        |                           |                                    | 90.23      |
| * Expenditures are Common for All the Plants & Mines.                 |                                                  |                | 10                                                                                                                                         | Co-ordination & Administration Expenses                                  | 26.90     |                                    |                                             |                           |                                    | 26.90      |
|                                                                       |                                                  |                | 11                                                                                                                                         | Capital Expenditure                                                      | 2.70      |                                    |                                             |                           |                                    | 2.70       |
|                                                                       |                                                  |                | TOTAL                                                                                                                                      | 298.83                                                                   | 215.95    | 179.56                             | 245.43                                      | 592.13                    | 1531.90                            |            |



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

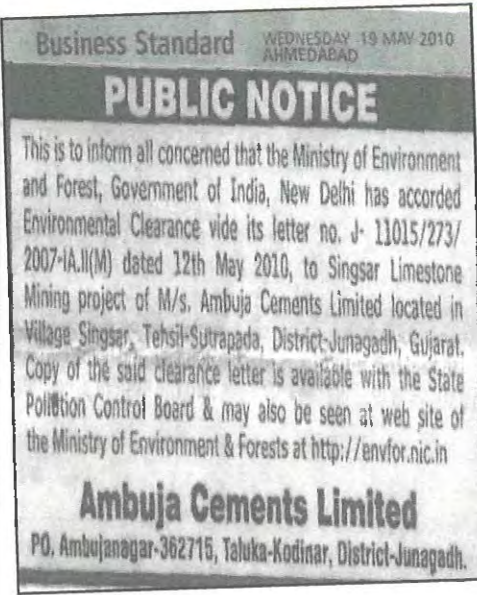
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| xi   | The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>Regular six monthly environmental clearance compliance reports are being submitted to MoEF&amp;CC. Last submission was on dated <b>06.11.2021</b> vide letter no. <b>ACL/EMD/F-16/2021/2414/89671</b>.</li> </ul>                                              |
| xii  | The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>Point noted and will be complied.</li> <li>Full support and co-operation is being extended during the visit of officers from Ministry of Environment &amp; Forest, CPCB as well as GPCB.</li> </ul>                                                            |
| xiii | The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhopal, the respective Zonal Office of Central Pollution Control Board the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. | <ul style="list-style-type: none"> <li>Half yearly compliance status report is being regularly submitted and last submission was on dated <b>06.11.2021</b> vide letter no. <b>ACL/EMD/F-16/2021/2414/89671</b>.</li> </ul>                                                                           |
| xiv  | A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li><b>Complied</b></li> <li>A copy of clearance letter has been sent to Panchayat, Zila Parisad / Municipal Corporation, Urban Local Body as applicable.</li> </ul>                                                                                               |
| xv   | The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collectors office/ Tehsildars Office for 30 days.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li><b>Complied</b></li> <li>GPCB is the concerned authority for the same.</li> </ul>                                                                                                                                                                              |
| xvi  | The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal by e-mail.                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li><b>Environmental statement (Form-V)</b> is being regularly submitted to concern authority for each financial year. Last <b>Environment Statement (2020-2021)</b> submitted on <b>14.09.2021</b> vide letter no. <b>ACL/EMD/F-22/2021/2380/89483</b></li> </ul> |





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

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                    |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| xvii | <p>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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.</p> | <ul style="list-style-type: none"> <li>• <b>Complied</b></li> <li>• Advertisement was published in two local newspapers are enclosed as under.</li> <li>• Copy of advertisement has been submitted to <b>MoEF &amp; CC on 10.07.2010 vide letter no. ACL/EMD/MOEF/SINGAR/2010/52044</b></li> </ul> |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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## Ambuja Cement Foundation ( Unit: Ambujanagar, Kodinar, Gujarat)

## Key Performance Indicators up to March 2022

| Sr. No    | Details of Work/activities                                                                 | Unit    | Cummulative up to March 2021 | Achievements during Apr 2021 to Mar 2022 | Cummulative up to march. 2022 |
|-----------|--------------------------------------------------------------------------------------------|---------|------------------------------|------------------------------------------|-------------------------------|
| <b>1A</b> | <b>Water Resources Management and Drinking Water Projects</b>                              |         |                              |                                          |                               |
|           | a. Checkdam construction / Renovation                                                      | No      | 226                          | 1                                        | 227                           |
|           | c. Well Recharging / Percolation well                                                      | No      | 1268                         | 0                                        | 1268                          |
|           | d. Ponds Construction / Renovation                                                         | No      | 119                          | 0                                        | 119                           |
|           | e. Link Channels / Canals construction                                                     | Km      | 69.26                        | 0                                        | 69.26                         |
|           | f. Water Storage Tank / Farm Ponds                                                         | No      | 734                          | 0                                        | 734                           |
|           | g. Total surface water harvested                                                           | MCM     | 38.78                        | 0.77                                     | 39.55                         |
| <b>B</b>  | <b>Drinking Water Projects</b>                                                             |         |                              |                                          |                               |
|           | a. RRWHS Construction                                                                      | No      | 4000                         | 12                                       | 4012                          |
|           | b. Drinking water wells / Bore wells / Renovation of Saline Wells                          | No      | 120                          | 0                                        | 120                           |
|           | c. Overhead / Cistern Tank construction/underground sump                                   | No      | 25                           | 0                                        | 25                            |
|           | d. Community Based Drinking Water Project                                                  | No      | 65                           | 20                                       | 85                            |
| <b>C</b>  | <b>Soil and Water Conservation</b>                                                         |         |                              |                                          |                               |
|           | a. Area Treated ( Gully Control / Gabion / loose boulder structure / weir crates / Khadine | Ha      | 11876                        | 0                                        | 11876                         |
| <b>2A</b> | <b>Agriculture Development</b>                                                             |         |                              |                                          |                               |
|           | a. Micro Irrigation system, Drip and Sprinklers                                            | Acre    | 14471.48                     | 1373.876                                 | 15845.356                     |
|           | No. of farmers covered                                                                     | No      | 3335                         | 325                                      | 3660                          |
|           | No. of units                                                                               | No      | 326                          | 0                                        | 326                           |
|           | No of families                                                                             | No      | 299                          | 0                                        | 299                           |
|           | d. Training & Exposure visits                                                              | No      | 19767                        | 3586                                     | 23353                         |
|           | Farmers trained                                                                            | No      | 356751                       | 114765                                   | 471516                        |
|           | e. Vermi / NADEP Composting                                                                | No      | 158                          | 0                                        | 158                           |
|           | g. Aquaculture                                                                             | No      | 120                          | 0                                        | 120                           |
|           | i. Seed Production programme                                                               | Acre    | 1166                         | 0                                        | 1166                          |
|           | j. Better Cotton Initiative - Area covered                                                 | Hectare | 43063                        | 17482                                    | 60545                         |
|           | k. Demo plots on POPs                                                                      | No      | 83                           | 188                                      | 271                           |
|           | - Farmers covered                                                                          | No      | 49984                        | 6360                                     | 56344                         |
|           | k. Farmer producer organization                                                            | No      | 2                            | 0                                        | 2                             |
|           | l. No of members                                                                           | No      | 2131                         | 6                                        | 2137                          |
| <b>B</b>  | <b>Farm Forestry and Afforestation</b>                                                     |         |                              |                                          |                               |
|           | a. Horticulture Plantation                                                                 | Acre    | 13119.16                     | 625                                      | 13744.16                      |
|           | No of plants                                                                               | nos     | 948092                       | 31108                                    | 979200                        |
|           | b. Agro-Farm Forestry                                                                      | Acre    | 5391.01                      | 0                                        | 5391.01                       |
|           | c Afforestation                                                                            | Acre    | 17.77                        | 0                                        | 17.77                         |
|           | d. Avenue plantation / Roadside plantation                                                 | Km      | 8.68                         | 0                                        | 8.68                          |
| <b>3</b>  | <b>Animal Husbandry Programme</b>                                                          |         |                              |                                          |                               |
|           | a. Cattle Health Camps                                                                     | No      | 227                          | 8                                        | 235                           |
|           | Cattles Treated                                                                            | No      | 176102                       | 3617                                     | 179719                        |
|           | Cattle Immunised                                                                           | No      | 26066                        | 0                                        | 26066                         |
|           | b. Fodder Demonstrations                                                                   | Acre    | 2571.1                       | 0                                        | 2571.1                        |
|           | c. Artificial Insemination                                                                 | No      | 49123                        | 0                                        | 49123                         |
|           | d. Integrated cattle feeding system                                                        | No      | 1394                         | 0                                        | 1394                          |
|           | e. Dairy co-operatives formed                                                              | No      | 1                            | 0                                        | 1                             |
|           | g. No of families benefited by AH programme                                                |         | 10790                        | 794                                      | 11584                         |
| <b>4</b>  | <b>Non Conventional Energy</b>                                                             |         |                              |                                          |                               |
|           | a. Biogas Plants                                                                           | No      | 526                          | 0                                        | 526                           |
|           | b. Smokeless Chullahs                                                                      | No      | 4671                         | 0                                        | 4671                          |
| <b>5</b>  | <b>Education Development</b>                                                               |         |                              |                                          |                               |
|           | b. School / Anganwadi (Balwadi )Support Programme                                          | No      | 29                           | 1                                        | 30                            |
|           | h. Village / School Library                                                                | No      | 4                            | 5                                        | 9                             |
|           | i. Village Knowledge Centre / Computer education                                           | No      | 3                            | 0                                        | 3                             |
|           | j. Adolescent Education Programme                                                          | No      | 4                            | 0                                        | 4                             |
|           | l. Students training / exposure visits                                                     | No      | 158                          | 7                                        | 165                           |
|           | n. Schools benefited                                                                       | No      | 58                           | 7                                        | 65                            |
|           | o. Sports equipments provided to schools                                                   | No      | 10                           | 1                                        | 11                            |
|           | p. School sanitation facilities                                                            | No      | 28                           | 1                                        | 29                            |
|           | q.No of students benefited under Education Development                                     | No      | 9477                         | 412                                      | 9889                          |





|           |                                                                                                               |           |         |       |          |
|-----------|---------------------------------------------------------------------------------------------------------------|-----------|---------|-------|----------|
| <b>7</b>  | <b>Health and sanitation Programme</b>                                                                        |           |         |       |          |
|           | a. No of camps organised (include all general and speciality health camps)                                    | No        | 366     | 26    | 392      |
|           | Patients benefited                                                                                            | No        | 63908   | 3206  | 67114    |
|           | b. Villages benefited under mobile & weekly dispensary                                                        | No        | 22      | 13    | 35       |
|           | Patients treated                                                                                              | No        | 350102  | 788   | 350890   |
|           | c. Sakhis (Village Health Functionaries)                                                                      | No        | 21      | 16    | 37       |
|           | d. Villages covered by Sakhis / Patients treated by Sakhis                                                    | No        | 16      | 13    | 29       |
|           | No of Patients treaded                                                                                        |           | 37704   | 0     | 37704    |
|           | e. Khelwadi sessions conducted by Sakhis                                                                      | No        | 3611    | 0     | 3611     |
|           | f. Health intervention trainings done (include trainings of Sakhis / Govt. health fuctionerries)              | No        | 62      | 14    | 76       |
|           | Participants in trainings                                                                                     | No        | 1546    | 484   | 2030     |
|           | g. Construction of Toilet Blocks / Sulabh Sauchalaya / Soak Pits                                              | No        | 12063   | 383   | 12446    |
|           | h. Villages where Total Sanitation Campaign initiated                                                         | No        | 259     | 40    | 299      |
|           | i. No of Village Health Sanitation Committees activated                                                       | No        | 73      | 0     | 73       |
| <b>8A</b> | <b>HIV/AIDS Awareness Programme ( Community )</b>                                                             |           |         |       |          |
|           | h. No of people benefited                                                                                     | No        | 138828  | 0     | 138828   |
| <b>B</b>  | <b>Workplace Programme</b>                                                                                    |           |         |       |          |
|           | a. Awareness session for Staff / Families / contract staff / laboures / Truckers / Students / Rural community | No        | 10818   | 0     | 10818    |
|           | b. Master Trainers / peer educators                                                                           |           | 64      | 0     | 64       |
| <b>9</b>  | <b>Skill and Entrepreneurship Development Programme - Ambujanagar</b>                                         |           |         |       |          |
|           | a. No of institute                                                                                            | No        | 3       | 1     | 4        |
|           | b. No of batches / courses                                                                                    | No        | 310     | 48    | 358      |
|           | c. Entrepreneurs trained under SEDI / ITI                                                                     | No        | 6106    | 986   | 7092     |
|           | d. No of trainees placed                                                                                      | No        | 4755    | 749   | 5504     |
|           | e. No of trainees persuing (Continuation)                                                                     |           |         | 393   | 393      |
| <b>10</b> | <b>Women and Youth Development</b>                                                                            |           |         |       |          |
|           | a. No of SHG formed                                                                                           | No        | 778     | 122   | 900      |
|           | No of members                                                                                                 | No        | 9393    | 1443  | 10836    |
|           | b. Training & Exposure (women)                                                                                | No        | 1371    | 416   | 1787     |
|           | No of participants                                                                                            | No        | 48260   | 6839  | 55099    |
|           | c. Training & Exposure (Youth)                                                                                |           | 90      | 6     | 96       |
|           | No of participants                                                                                            | No        | 5112    | 71    | 5183     |
|           | d. No of Federations Formed                                                                                   | No        | 1       | 0     | 1        |
| <b>11</b> | <b>Rural Infrastructure Development Programme</b>                                                             |           |         |       |          |
|           | a. Construction of CC Roads/Paver block roads / Village Roads                                                 | No / Mtrs | 93962.4 | 25338 | 119300.4 |
|           | b. Street Light installation                                                                                  | No        | 411     | 120   | 531      |
|           | c. Drainage construction                                                                                      | Mtrs      | 1075    | 0     | 1075     |
|           | d. Crematorium / Ghats construction/ Drinking water facilities                                                | No        | 34      | 3     | 37       |
|           | e. Community Centre construction / School classroom                                                           | No        | 135     | 4     | 139      |
|           | f. Support for Social and Cultural Events                                                                     | No        | 308     | 7     | 315      |
|           | g. House repairing                                                                                            | No        | 0       | 0     | 0        |
|           | h. Construction of culverts / bridge                                                                          | No        | 16      | 1     | 17       |
|           | j. Construction of new School / school repairing                                                              | No        | 5       | 0     | 5        |
|           | k. No of villages covered                                                                                     | No        | 69      | 0     | 69       |
|           | l. const. of compoundwall for common area                                                                     | Rmt       | 1695    | 24    | 1719     |
| <b>12</b> | <b>Gir Forest Conservation project</b>                                                                        |           |         |       |          |
|           | a. Construction of Parapet wall around wells to protect wild animals                                          | No        | 1957    | 90    | 2047     |
| <b>13</b> | <b>Krishi Vigyan Kendra - Kodinar</b>                                                                         |           |         |       |          |
|           | a. No of villages covered                                                                                     | No        | 310     | 3     | 313      |
|           | b. No of farmers trained                                                                                      | No        | 128535  | 7077  | 135612   |
|           | c. No of technology transferred (FLD)                                                                         | No        | 288     | 51    | 339      |
|           | d. No of technology tested (OFT)                                                                              | No        | 100     | 17    | 117      |
| <b>14</b> | <b>Over all coverage</b>                                                                                      |           |         |       |          |
|           | a. No of villages                                                                                             | No        | 510     | 38    | 548      |
|           | b. Approx No of People benefited                                                                              | No        | 1042995 | 92754 | 1135749  |
| <b>15</b> | <b>KVY III programmes</b>                                                                                     |           |         |       |          |
|           | a. IPM, INM&IDM practice adopted                                                                              | Acre      | 67757   | 0     | 67757    |
|           | b. Soil testing                                                                                               | Farmers   | 3389    | 0     | 3389     |
|           | c. Village information centre                                                                                 | Villages  | 36      | 0     | 36       |
|           | d. SMS base agri. information system 3 SMS/month                                                              | Farmers   | 31645   | 0     | 31645    |
| <b>16</b> | <b>Community safety awarness programmes</b>                                                                   |           |         |       |          |
|           | Community Safety                                                                                              | No        | 1277    | 18    | 1295     |
|           | Total participant in community safety                                                                         | No        | 49742   | 1919  | 51661    |

