

# Ambuja Cement

89671

REGD. A/D

ACL/EMD/F-16/2021/2414

06.11.2021

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

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

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

Sir,

We are pleased to submit herewith half yearly compliance status report (i.e. for the period of **(April'2021 to September'2021)** 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 – Singars, Thordi & Barevala of Taluka - Sutrapada, District – Gir Somnath (Gujarat).

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. Anupam Agrawal Manufacturing Cluster Head (W&S) 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"> <li>❖ Mining operations doesn't involve drilling &amp; blasting. Limestone excavation is being carried out by environment friendly Surface Miner supported by ripper dozer.</li> <li>❖ Regular monitoring of environmental parameters is undertaken as per the norms of MoEF&amp;CC and IBM.</li> <li>❖ Preventive maintenance of deployed HEMM is undertaken regularly.</li> <li>❖ Dust suppression by water sprinkling on haul roads are being done regularly in working area.</li> <li>❖ Afforestation / Green belt development is being done along haul road and lease periphery.</li> <li>❖ Mined-out areas will be converted to pasture land &amp; also converted into water reservoir as per approved mining plan.</li> <li>❖ Rural Development and Socio-economic activities is being undertaken in the project buffer zone area.</li> </ul>
07	Breakup of the project area.	:	
	a) Submergence area (forest & non-forest)	:	Nil
	b) Others	:	728.1156 ha (Government waste land, Gauchar land & Private land)





08	Breakup of the project affected population with enumeration of those losing houses / dwelling units only agricultural land only, both dwelling units & agricultural land & landless labourers / artisan.	:	Not applicable
	a) SC, ST / Adivasis	:	Not applicable
	b) Others	:	Not applicable
09	Financial details		
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	:	Project Cost : Rs.103 Cr Limestone raised from the mining lease area will partially supplement the requirements of existing cement units. As it is a captive mine for the Cement Plant, no separate project costing was prepared.
	b) Allocation made for environmental management plans with item wise and year wise break-up.	:	Please refer

#### Expenditure incurred in Environment Management Plan- SINGAR MINES

##### A. Capital Investment for Environmental Monitoring:

S.No	Particulars	Cost (In Lacs)
1	Monitoring Equipments	37.08
2	Environment Laboratory	10
3	Others (Monitoring Van, DG Sets etc.)	10
	<b>Total (In Lacs INR)</b>	<b>57.08</b>

##### B. Recurring Expenditure for the period of April 2021 to September 2021

S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	42.95
2	Manpower Cost *	28.14
3	House Keeping	1.08
4	Other Env. Protection (Environmental Monitoring)	1.74
5	Environment Awareness *	0.75
	<b>Total (In Lacs INR)</b>	<b>74.64</b>

\* Expenditures are Common for All the Plants & Mines.

Ambuja Cement Foundation - Ambujanagar						
Details for programme wise expenditure for the year April 2021 to Sept. 2021						
S.No	Programme	ACF - ACL	*Funds received through Government	**Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities
	<b>GUJARAT - Keshavnagar</b>					
1	Water Resource Management & Drinking Water Projects					
	a) Water Resource Development	4.69	--	--	--	--
	b) Drinking Water Programme	2.40	2.84	--	1.69	100.49
2	Agriculture Development (Drip Irrigation, Farm Forestry & Afforestation)	7.08	--	5.65	54.88	59.20
3	BCI	7.88	1.01	123.85	28.24	35.02
4	Kishik Vignyan Kendra (KVK) - Agriculture	1.02	89.23	--	--	--
5	Health & Sanitation	4.86	--	8.33	84.20	--
6	Education Programme	0.63	--	--	--	--
7	Women / Youth Development	2.71	--	--	--	--
8	Skill and Entrepreneurship Development Programme	17.02	24.26	0.12	12.52	--
9	Integrated Community Development Programme	59.36	--	20.77	--	--
10	Co-ordination & Administration Expenses	--	--	--	--	--
11	Capital Expenditure	--	--	--	--	--
	<b>TOTAL</b>	<b>140.00</b>	<b>97.84</b>	<b>168.82</b>	<b>139.64</b>	<b>248.71</b>

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.	:	7.25 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"> <li>Half yearly compliance status report is being regularly submitted and last submission was on 17.05.2021 vide letter No. ACL/EMD/F-16/2021/2347/88959.</li> </ul>



\*\*\*\*\*



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

S N	Condition	Compliance Status
i	The project proponent shall obtain consent to establish and consent to operate from the Gujarat State Pollution Control Board and effectively implement all the conditions stipulated therein.	<ul style="list-style-type: none"> <li>Consent to establish &amp; 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 &amp; 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.</li> </ul>
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"> <li>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.</li> </ul>
iii	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"> <li>Industries and Mines Dept. Govt. of Gujarat have granted lease grant order vide order no. MCR-112000-CHH-1 dated 18.10.2011.</li> </ul>
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"> <li>Pasture land will be developed outside mine lease area, on getting clearance from various authorities.</li> </ul>
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"> <li>Mining is being done above premonsoon ground water table. No pumping of ground water during mining is carried out.</li> </ul>
vi	No pumping of groundwater shall be done for any purpose in the mine lease area.	<ul style="list-style-type: none"> <li>No pumping of ground water in the mine lease area done till date.</li> </ul>
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"> <li>It is being ensured that during mining operations that the natural water course will not be obstructed by any mining activity.</li> </ul>
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"> <li>Mining is being done using eco-friendly, blast free Surface Miner Machine.</li> <li>Regular water sprinkling is being done in mining area and roads.</li> <li>Parameter of air and water are being maintained within prescribed norms.</li> <li>Development of the Green belt is under progress in periphery of lease area with respect to approved mine plan.</li> <li>Development of Appropriate parapet bund is under progress around mining pits as per mining plan.</li> <li>Mines will be suitably reclaimed as per mining plan.</li> </ul>
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"> <li>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.</li> </ul>





**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**

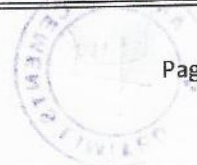


**TOP SOIL IS USED FOR GREENBELT AND PASTURE LAND DEVELOPMENT**

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"> <li>• 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.</li> </ul>
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"> <li>• Excavated area is being converted in to water bodies as per approved mining plan from IBM.</li> <li>• 11622.8 meters of Fencing has been done from April'2021 to September'2021. Cumulative Fencing done is 68981.38 meters.</li> </ul>



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





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



Barbed Wire fencing around the Excavated area



Brick Wall Fencing around the Excavated area

- |      |   |   |
|------|---|---|
| xiii | <p>Plantation shall be raised in an area of 72.68 ha including a 7.5m wide green belt in the safety zone around the mining lease, around the water body, reclaimed area, mine benches, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1500 plants per ha.</p> | <ul style="list-style-type: none"> <li>Till September 2021, 2.3081 ha area is covered under plantation and green belt development. Details of greenbelt/reclamation are enclosed as under.</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**



**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"> <li>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. <b>Report is Attached in Point No. (xxix)</b></li> </ul>
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"> <li>Rainwater harvesting measures to augment ground water resources in the area is being done by <b>Ambuja Cement Foundation (ACF)</b>. Glimpses about ACF &amp; community development work done by ACF in surrounding areas are enclosed as under.</li> </ul>

**Ambuja Cement Foundation - Ambujanagar**  
**Details for programme wise expenditure for the year April 2021 to Sept. 2021**

		(Rs. in lakhs)				
Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities
	<b>GUJARAT - Kothnar</b>					
1	Water Resource Management & Drinking Water Projects					
	a. Water Resource Development	4.69	--	--	--	--
	b. Drinking Water Programme	2.40	2.84	--	1.00	160.49
2	Agriculture Development (Drip Irrigation, Farm Forestry & Afforestation)	7.08	--	6.65	54.89	53.20
3	BCI	7.68	1.01	123.85	28.24	35.02
4	Kirzhi Vigyan Kendra (KVK) - Agriculture	1.02	69.23	--	--	--
5	Health & Sanitation	4.86	--	8.23	34.20	--
6	Education Programme	0.63	--	--	--	--
7	Women / Youth Development	2.71	--	--	--	--
8	Skill and Entrepreneurship Development Programme	17.02	24.76	0.12	12.52	--
9	Integrated Community Development Programme	91.96	--	29.77	--	--
10	Co-ordination & Administration Expenses	--	--	--	--	--
11	Capital Expenditure	--	--	--	--	--
	<b>TOTAL</b>	<b>140.00</b>	<b>97.84</b>	<b>168.62</b>	<b>130.64</b>	<b>248.71</b>
						<b>785.81</b>

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"> <li>Complied.</li> <li>Water quality testing is carried out with the help of MoEF&amp;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.</li> <li>Data collected is being communicated regularly to CGWA, New Delhi, MoEF&amp;CC Regional office (SEZ) Bhopal, CGWB Regional Director Gandhinagar.</li> <li>Ground water level &amp; quality monitoring is being</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**

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 26.04.2021**  
**vide letter no ACL/EMD/F-9/2021/2322/88878.**

**Ambuja Cement**

SSS TN

AC/LENDOR-14/2021/2334

26.04.2021

The Regional Director,  
Central Ground Water Board,  
West Central Region, Scheme Registry Building,  
Shah Azim Tashkila, Ahmednagar (Dist) P.O. - 430012

Subject: Regarding submission of Ground Water Level & Quality monitoring Report of  
Sisgar Limestone Mines.

Reference No. L.C.WA/11105027/50007-1A-N (M) (dated 12.05.2010)  
& CWA/NOC/MIN/2010/25046/1 (dated 15.07.2010)

Dear Sir,

This is with reference to Environmental Clearance granted by your good office vide letter No. 41101027/50007-1A-N(M) to our Scheme/Limestone Mines-Project of M/s Ambuja Cement Limited located at village Sengali, Taluk Surpada District Gt-Somnath Gujarat.

As per the Specific condition No. XIV of the said Environmental Clearance and also the NOC granted by CGWA vide letter No. CWA/NOC/MIN/2010/25046/1 Dtd. 15.07.2010, we are pleased to submit Ground Water Level & Ground water Quality Monitoring Report for the year 2020-21 at pre-construction (February), monsoon (August) post monsoon (November) and winter (January).

Kindly acknowledge the receipt of the status.

Thanking You

Yours Faithfully  
For Ambuja Cement Limited

  
Anand Prakash  
Head - Environment  
E-mail: RA@ssn

CC:

1. Ministry of Environment, Forest and Climate Change, 2nd Floor,  
Prithvi Wing India Pavement Bhavan, Jai Rani, New Delhi-110002

2. Ministry of Environment & Forest (M/E's), Regional Office,  
Shrihari Nagar, "Kandva Pavement Bhavan" Link Road No. 3, Raj  
Kot, Gandhinagar, Gandhinagar, Gandhinagar

3. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

4. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

5. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

6. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

7. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

8. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

9. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

10. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

11. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

12. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

13. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

14. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

15. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

16. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

17. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

18. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

19. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

20. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

21. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

22. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

23. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

24. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

25. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

26. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

27. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

28. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

29. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

30. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

31. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

32. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

33. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

34. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

35. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

36. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

37. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

38. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

39. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

40. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

41. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

42. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

43. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

44. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

45. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

46. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

47. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

48. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

49. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

50. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

51. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

52. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

53. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

54. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

55. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

56. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

57. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

58. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

59. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,  
Ahmednagar (Dist) P.O. - 430012

60. Regional Director  
Central Ground Water Board,  
West Central Region,  
Scheme Registry Building,  
Shah Azim Tashkila,<

Feb-21			Ground Water Quality Report and Water Level of Singar Limestone Mines									
Ref.No.	IS 10500:2012 (S.R)		Well Water								Piezometers	
	Desirable	Permissible	W1	W3	W4	W7	W8	W10	PIEZO NO-1	PIEZO NO-2		
Source			SINGAR	SINGAR	SINGAR	SINGAR	SINGAR	SINGAR	SINGAR	SINGAR		
Village			SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA	SUTRAPADA		
Taluka			GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH		
District			Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		
Color Hazen Units	5	15	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable		
Turbidity NTU	1	5	0.17	0.07	0.23	0.19	0.57	0.07	0.08	0.22		
Dissolved Solids mg/l	500	2000	1142	3392	29662	3608	2246	1154	1336	1512		
Conductivity - us/cm	...	...	1873	5563	4855	5917	3683	1993	2191	2644		
pH	6.5 to 8.5	No Relaxation	7.99	7.05	6.94	7.04	7.13	7.43	7.39	7.99		
Total Hardness (as CaCO3) mg/l	200	600	512	1236	1292	1456	940	489	640	740		
Calcium (as Ca) mg/l	75	260	102	246	258	290	189	96	128	147		
Magnesium (as Mg) mg/l	30	100	62	151	157	178	114	56	78	90		
Chlorides (as Cl) mg/l	250	1000	332	1296	940	1260	732	352	360	468		
Sulphates (as SO4) mg/l	200	400	82	183	207	234	151	77	103	119		
Nitrates (as NO3) mg/l	45	No Relaxation	26.60	6.03	30.30	5.20	33.70	44.80	28.90	26.30		
Fluorides (as F) mg/l	1	1.5	1.73	1.68	0.98	0.88	1.34	2.13	1.82	1.65		
Alkalinity (as CaCO3) mg/l	200	660	236	180	176	180	172	188	223	168		
Water Level (in meter)			15.9	10.6	11.5	8.9	10.2	12.5	12.60	6.9		
Opinion for potability is given considering above 14 Test Parameters only.												

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

- |       |   |   |
|-------|---|---|
| xvii  | The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water) required for the project.  | <ul style="list-style-type: none"> <li>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.</li> </ul>  |
| 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. | <ul style="list-style-type: none"> <li>Rainwater harvesting measures to augment ground water resources in the area is being done by <b>Ambuja Cement Foundation (ACF)</b>.Details of work done by ACF in nearby areas is enclosed as under. Descriptive Annexure is also attached as <b>Annexure-1</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**

Ambuja Cement Foundation - Ambujanagar						
Details for programme wise expenditure for the year April 2021 to Sept. 2021						
(Rs. In lakhs)						
Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities
	<b>GUJARAT - Kodinar</b>					
1	Water Resource Mangement & Drinking Water Projects					
	a. Water Resource Development	4.69	--	--	--	4.69
	B. Drinking Water Programme	2.40	2.84	--	1.00	160.49
2	Agriculture Development( Drip Irrigation, Farm Forestry & Afforestation)	7.03	--	6.65	54.68	53.20
3	BCI	7.68	1.01	123.85	28.24	35.02
4	Krishi Vigyan Kendra (KVK) - Agriculture	1.02	69.23	--	--	--
5	Health & Sanitation	4.85	--	8.23	34.20	--
6	Education Programme	0.63	--	--	--	0.63
7	Women / Youth Development	2.71	--	--	--	2.71
8	Skill and Enterprunership Development Programme	17.02	24.76	0.12	12.52	--
9	Integrated Community Development Programme	91.96	--	29.77	--	--
10	Co-ordination & Administration Expenses	--	--	--	--	0.00
11	Capital Expenditure	--	--	--	--	0.00
	<b>TOTAL</b>	<b>140.00</b>	<b>97.84</b>	<b>168.62</b>	<b>130.64</b>	<b>248.71</b>
						<b>785.81</b>


  

xix	Appropriate mitigative measures shall be taken to prevent pollution of Somat River, Singoda River and Saraswati River in consultation with the State Pollution Control Board.	<ul style="list-style-type: none"> <li>These rivers are far off from the project area, State Pollution Control Board will be consulted, if required.</li> </ul>
xx	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	<ul style="list-style-type: none"> <li>Vehicular emissions are being checked &amp; monitored regularly. Detail of P.U.C certificate by Somnath P.U.C Center (Approved by : Veraval transport commissionerate, Gujarat) is enclosed as under:</li> </ul> <div data-bbox="886 1184 1411 1568" data-label="Image"> </div>
xxi	Drilling and blasting operation shall not be carried out.	<ul style="list-style-type: none"> <li>All vehicles used for transportation of raw materials are being covered properly &amp; Not Over loaded.</li> <li>Drilling &amp; Blast free fully mechanized Surface Miner machine is being used for mining.</li> </ul>
xxii	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to the Ministry of Environment and Forests and its Regional Office located at Bhopal.	<ul style="list-style-type: none"> <li>We carry out digital processing of the entire lease area once in every three year. Year 2019 report has been submitted to MoEF&amp;CC, New Delhi and its Regional Office Bhopal on 02.03.2020 vide letter no ACL/EMD/F-14/2020/2094/87094.</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**

		
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"> <li>There is no permanent structure within the mine premises and compensation for land looser is being done as per rate defined in national R&amp;R policy.</li> </ul>
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"> <li>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.</li> </ul>
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"> <li>Sewage treatment plant of a capacity 1500 KLD has already been installed &amp; operational at Ambujanagar. No additional colony has been developed at project site. Oil &amp; Grease Separator workshop for capturing of oil &amp; grease from waste used. There is no requirement of ETP.</li> </ul>
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"> <li>Pre-project community health status report has already been submitted to MoEF&amp;CC vide our submission dated <b>25.12.2010 vide letter no.ACL/EMD/F-16/2010.</b></li> </ul>
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"> <li>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 &amp; Ambuja Multi speciality Hospital; Ambujanagar.</li> </ul>
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"> <li>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.</li> </ul>
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"> <li>Air quality monitoring and water quality monitoring is being done regularly and report is submitted to GPCB &amp; MoEF&amp;CC. Results of Air &amp; 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 <b>Ambient Air Quality monitoring results for the period April'2021 to September'2021 for PM2.5, PM10, SO2, NOx and CO</b> are enclosed as under :</li> </ul>





**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**

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](http://www.envfor.nic.in), shall also be referred in this regard for its compliance.

Ambient Air Quality Monitoring Results (April-2021 to September-2021)																					
		Singar Mines					Working Area					Eastern Boundary					West Boundary				
Month		PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Unit >		(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(mg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(mg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(mg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(µg/m <sup>3</sup> )	(mg/m <sup>3</sup> )
Apr-21		29.4	49.4	9.2	14.9	BDL	28.6	46.7	11.5	15.2	BDL	31.5	49.5	11.8	12.6	BDL	30.8	50.1	10.7	16.4	BDL
		30.4	45.2	11.5	16.8	BDL	32.1	48.7	10.6	17.2	BDL	28.4	48.7	11.6	14.2	BDL	30.8	51.8	10.7	15.7	BDL
		28.9	50.6	10.3	15.7	BDL	27.5	48.2	12.7	14.9	BDL	30.6	50.4	11.1	14.2	BDL	29.8	49.8	9.9	15.5	BDL
May-21		31.5	46.4	10.7	15.6	BDL	30.9	45.6	11.4	16.4	BDL	29.7	50.2	10.5	15.7	BDL	31.2	49.8	11.1	17.3	BDL
		29.6	51.2	11.2	14.8	BDL	28.4	49.8	12.2	16.2	BDL	27.5	48.8	10.7	15.6	BDL	28.8	50.6	11.6	17.2	BDL
		32.5	47.2	11.2	15.2	BDL	31.2	46.3	12.4	14.2	BDL	28.4	49.7	11.2	17.5	BDL	29.7	50.2	9.8	16.4	BDL
Jul-21		28.1	48.7	12.4	13.8	BDL	27.1	49.5	11.3	15.1	BDL	29.6	46.4	13.7	12.7	BDL	28.5	51.2	10.6	16.3	BDL
		31.8	46.7	10.2	16.7	BDL	30.6	44.2	12.8	15.2	BDL	29.7	43.8	11.6	16.0	BDL	28.4	49.2	12.2	14.9	BDL
		28.3	51.2	11.3	14.7	BDL	29.4	49.7	12.5	16.2	BDL	27.5	48.4	10.8	15.2	BDL	28.4	50.6	13.2	17.4	BDL
Aug-21		30.7	43.7	11.2	15.4	BDL	31.6	42.6	10.8	18.7	BDL	32.8	41.7	13.4	15.4	BDL	34.6	44.9	12.4	14.3	BDL
		24.8	48.7	10.3	13.2	BDL	26.1	46.5	13.4	15.7	BDL	29.7	49.3	12.8	14.1	BDL	28.3	51.2	11.6	16.2	BDL
		27.8	46.7	13.6	16.9	BDL	30.6	43.7	12.7	15.1	BDL	29.6	42.8	11.5	14.8	BDL	31.3	45.7	15.4	15.4	BDL
Month		Khera village					Moradiya village					Barevala Village					Thordil Village				
Unit >		PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )	PM2.5 (µg/m <sup>3</sup> )	PM10 (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	CO (mg/m <sup>3</sup> )
Apr-21		28.4	46.2	12.8	14.2	BDL	27.6	48.5	11.7	16.9	BDL	26.7	50.1	10.5	15.7	BDL	31.2	52.4	9.9	13.8	BDL
		30.7	50.1	12.5	13.8	BDL	31.5	47.6	9.8	14.7	BDL	29.6	52.3	12.3	17.4	BDL	28.7	52.3	12.3	17.4	BDL
		27.2	48.5	11.4	14.9	BDL	31.1	49.1	12.5	15.3	BDL	27.3	50.8	9.7	16.7	BDL	28.9	51.7	10.6	14.5	BDL
May-21		31.6	49.2	11.2	14.7	BDL	30.4	48.5	10.4	13.8	BDL	29.6	52.3	12.5	14.6	BDL	27.1	51.7	12.8	14.7	BDL
		26.6	49.8	12.3	15.4	BDL	30.3	48.1	11.4	13.8	BDL	28.1	51.3	10.8	15.9	BDL	27.7	47.6	13.7	16.4	BDL
		30.4	48.6	10.7	14.1	BDL	31.5	49.1	11.8	12.7	BDL	27.6	51.2	14.7	15.2	BDL	28.1	50.7	11.6	16.8	BDL
Jul-21		25.2	47.3	13.9	12.4	BDL	29.3	48.5	12.9	13.2	BDL	27.4	50.6	11.4	11.8	BDL	26.3	48.2	12.6	15.2	BDL
		27.6	48.3	12.9	14.4	BDL	28.4	47.6	12.6	13.8	BDL	28.7	50.4	13.6	14.1	BDL	26.7	46.8	10.2	16.7	BDL
		27.4	49.8	11.6	12.3	BDL	28.1	48.1	12.4	13.5	BDL	30.3	51.3	10.7	15.4	BDL	29.2	47.4	13.3	16.4	BDL
Aug-21		27.3	48.9	14.5	12.5	BDL	25.0	49.8	12.0	14.2	BDL	33.4	49.7	13.2	13.8	BDL	27.4	45.2	12.4	11.6	BDL
		26.2	47.6	13.1	11.6	BDL	26.7	46.1	11.1	13.7	BDL	26.9	50.8	12.0	14.4	BDL	27.8	49.6	11.7	15.0	BDL
		26.0	45.1	12.8	13.6	BDL	28.7	43.5	13.6	12.7	BDL	33.4	49.7	13.2	13.8	BDL	26.4	46.9	11.7	10.4	BDL

xxx	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely Asiatic Lion, Leopard, Indian Peafowl, Eurasian Spoonbill etc. spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented 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.	<ul style="list-style-type: none"> <li>"Status of Biodiversity (Flora &amp; Fauna) in core and buffer zone areas of Singars Limestone Mine Lease study area is prepared by "Gujarat Institute of Desert Ecology", Bhuj. The same has been submitted to MoEF&amp;CC vide our submission dated 25.12.2010 vide letter no.ACL/EMD/F-16/2010.</li> </ul>
xxxi	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	<ul style="list-style-type: none"> <li>Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate Change (MoEF&amp;CC) 5 years in advance of final mine closure for approval.</li> </ul>

**B. General Conditions:**

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





**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**

- 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<sub>10</sub>), NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- Four ambient air quality monitoring (core zone as well as in the buffer zone) locations have been identified as directed and are being monitored as per CPCB/SPCB guidelines. Ambient air quality monitoring reports are enclosed as under:

Ambient Air Quality Monitoring Results (April-2021 to September-2021)																				
Month	Singsar Mines					Working Area					Eastern Boundary					West Boundary				
	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Apr-21	29.4	49.4	9.2	14.9	BDL	28.6	48.7	11.5	15.2	BDL	31.5	49.5	11.8	12.6	BDL	30.8	50.1	10.7	16.4	BDL
	30.4	45.2	11.5	16.8	BDL	32.1	46.7	10.8	17.2	BDL	28.4	48.7	11.6	14.2	BDL	30.8	51.8	10.7	15.7	BDL
May-21	28.9	50.6	10.3	15.7	BDL	27.5	48.2	12.7	14.9	BDL	30.6	50.4	11.1	14.2	BDL	29.8	49.6	9.9	15.5	BDL
	31.5	46.4	10.7	15.6	BDL	30.9	45.6	11.4	16.4	BDL	29.7	50.2	10.5	15.7	BDL	31.2	49.8	11.1	17.3	BDL
Jun-21	29.6	51.2	11.2	14.8	BDL	28.4	49.8	12.2	16.2	BDL	27.5	48.8	10.7	15.6	BDL	28.8	50.6	11.6	17.2	BDL
	32.5	47.2	11.2	15.2	BDL	31.2	46.3	12.4	14.2	BDL	28.4	49.7	11.2	17.5	BDL	29.7	50.2	9.8	18.4	BDL
Jul-21	28.1	48.7	12.4	13.8	BDL	27.1	49.5	11.3	15.1	BDL	29.6	46.4	13.7	12.7	BDL	28.5	51.2	10.8	18.3	BDL
	31.8	46.7	10.2	16.7	BDL	30.6	44.2	12.8	15.2	BDL	29.7	43.8	11.6	18.0	BDL	28.4	49.2	12.2	14.9	BDL
Aug-21	28.3	51.2	11.3	14.7	BDL	29.4	49.7	12.5	16.2	BDL	27.5	48.4	10.8	15.2	BDL	26.4	50.6	13.2	17.4	BDL
	30.7	43.7	11.2	15.4	BDL	31.6	42.8	10.8	16.7	BDL	32.8	41.7	13.4	15.4	BDL	34.6	44.9	12.4	14.3	BDL
Sep-21	24.8	48.7	10.3	13.2	BDL	28.1	46.5	13.4	15.7	BDL	29.7	49.3	12.8	14.1	BDL	28.3	51.2	11.6	16.2	BDL
	27.8	46.7	13.6	16.9	BDL	30.6	43.7	12.7	15.1	BDL	29.6	42.8	11.5	14.8	BDL	31.3	45.7	15.4	15.4	BDL
Month	Khara village					Moradiya village					Barevala Village					Thordi Village				
Unit >	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Apr-21	26.4	46.2	12.8	14.2	BDL	27.6	48.5	11.7	16.9	BDL	28.7	50.1	10.5	15.7	BDL	31.2	52.4	9.9	13.8	BDL
	30.7	50.1	12.5	13.8	BDL	31.5	47.6	9.8	14.7	BDL	29.6	52.3	12.3	17.4	BDL	28.7	52.3	12.3	17.4	BDL
May-21	27.2	48.5	11.4	14.9	BDL	31.1	49.1	12.5	15.3	BDL	27.3	50.8	9.7	16.7	BDL	28.9	51.7	10.6	14.5	BDL
	31.6	49.2	11.2	14.7	BDL	30.4	48.5	10.4	13.8	BDL	29.8	52.3	12.5	14.8	BDL	27.1	51.7	12.8	14.7	BDL
Jun-21	28.6	49.8	12.3	15.4	BDL	30.3	48.1	11.4	13.8	BDL	28.1	51.3	10.8	15.9	BDL	27.7	47.6	13.7	18.4	BDL
	30.4	48.6	10.7	14.1	BDL	31.5	49.1	11.8	12.7	BDL	27.6	51.2	14.7	15.2	BDL	28.1	50.7	11.6	16.8	BDL
Jul-21	25.2	47.3	13.9	12.4	BDL	29.3	48.5	12.9	13.2	BDL	27.4	50.6	11.4	11.8	BDL	26.3	48.2	12.6	15.2	BDL
	27.6	48.3	12.9	14.4	BDL	28.4	47.6	12.6	13.8	BDL	28.7	50.4	13.6	14.1	BDL	28.7	48.8	10.2	15.7	BDL
Aug-21	27.4	49.8	11.6	12.3	BDL	28.1	48.1	12.4	13.5	BDL	30.3	51.3	10.7	15.4	BDL	29.2	47.4	13.3	16.4	BDL
	27.3	46.9	14.5	12.5	BDL	25.0	49.8	12.0	14.2	BDL	33.4	49.7	13.2	13.8	BDL	27.4	45.2	12.4	11.8	BDL
Sep-21	26.2	47.6	13.1	11.6	BDL	26.7	46.1	11.1	13.7	BDL	26.9	50.8	12.0	14.4	BDL	27.8	49.6	11.7	15.0	BDL
	26.0	45.1	12.8	13.6	BDL	28.7	43.5	13.6	12.7	BDL	33.4	49.7	13.2	13.8	BDL	26.4	46.9	11.7	10.4	BDL

- iv Data on ambient air quality RSPM (Particulate matter with size less than 10µm i.e., PM<sub>10</sub>), & NO<sub>x</sub> should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
- Ambient air quality is being monitored regularly and report is being regularly submitted to GPCB/ MoEF&CC & CPCB. Latest report Submitted on dated 17.05.2021 vide letter no. ACL/EMD/F-16/2021/2347/88959
- v Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- Environment friendly Surface Miner machine is being used for mining. Surface miner is provided with inbuilt facility of water sprinkling to suppress dust generated during mining. On all haul roads regular water sprinkling is being done by water tankers. Report of Fugitive Emission monitoring is enclosed as Under:

Fugitive Emission Monitoring - Singsar Mines (April-2021 to September-2021)			
Month	Haulage Road	Nr. Loading Area	Working Pit Area
	SPM ( µg/m <sup>3</sup> )	SPM ( µg/m <sup>3</sup> )	SPM ( µg/m <sup>3</sup> )
Apr-21	2364	1870	1890
May-21	2354	1750	1755
Jun-21	2258	1865	1945
Jul-21	1765	1868	1953
Aug-21	1830	1745	1988
Sep-21	1765	1638	2034





**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**

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"><li>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 :</li></ul>																																																																																													
(a)	<table><tr><th colspan="7">Ambient Noise Level Monitoring - Singar Mines (April-2021 to September-2021)</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>Apr-21</td><td>67</td><td>65</td><td>65</td><td>62</td><td>61</td><td>58</td></tr><tr><td>May-21</td><td>70</td><td>65</td><td>67</td><td>61</td><td>62</td><td>56</td></tr><tr><td>Jun-21</td><td>66</td><td>62</td><td>64</td><td>57</td><td>59</td><td>54</td></tr><tr><td>Jul-21</td><td>69</td><td>63</td><td>67</td><td>59</td><td>61</td><td>55</td></tr><tr><td>Aug-21</td><td>68</td><td>65</td><td>66</td><td>60</td><td>58</td><td>56</td></tr><tr><td>Sep-21</td><td>66</td><td>62</td><td>67</td><td>63</td><td>57</td><td>52</td></tr></table>		Ambient Noise Level Monitoring - Singar Mines (April-2021 to September-2021)							Month	Noise Levels in dB(A)						Near Surface Miner		Hual road		Mines offices		Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Apr-21	67	65	65	62	61	58	May-21	70	65	67	61	62	56	Jun-21	66	62	64	57	59	54	Jul-21	69	63	67	59	61	55	Aug-21	68	65	66	60	58	56	Sep-21	66	62	67	63	57	52																									
Ambient Noise Level Monitoring - Singar Mines (April-2021 to September-2021)																																																																																															
Month	Noise Levels in dB(A)																																																																																														
	Near Surface Miner		Hual road		Mines offices																																																																																										
	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)																																																																																									
Apr-21	67	65	65	62	61	58																																																																																									
May-21	70	65	67	61	62	56																																																																																									
Jun-21	66	62	64	57	59	54																																																																																									
Jul-21	69	63	67	59	61	55																																																																																									
Aug-21	68	65	66	60	58	56																																																																																									
Sep-21	66	62	67	63	57	52																																																																																									
(b)	<table><tr><th colspan="9">Noise Level of HEMM distance - Singar Mines (April-2021 to September-2021)</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>Apr-21</td><td rowspan="6">While dozing the material</td><td>65</td><td>61</td><td rowspan="6">While loading to tipper</td><td>72</td><td>64</td><td rowspan="6">While mining</td><td>73</td><td>66</td></tr><tr><td>May-21</td><td>65</td><td>59</td><td>68</td><td>66</td><td>69</td><td>67</td></tr><tr><td>Jun-21</td><td>66</td><td>64</td><td>64</td><td>63</td><td>67</td><td>63</td></tr><tr><td>Jul-21</td><td>65</td><td>64</td><td>62</td><td>61</td><td>68</td><td>65</td></tr><tr><td>Aug-21</td><td>66</td><td>63</td><td>69</td><td>65</td><td>67</td><td>64</td></tr><tr><td>Sep-21</td><td>72</td><td>69</td><td>73</td><td>69</td><td>69</td><td>66</td></tr></table>		Noise Level of HEMM distance - Singar Mines (April-2021 to September-2021)									Machine	Surface Miner			Loader			Dozer			Month	Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)		At 5m.	At 10m.	At 5m.	At 10m.	At 5m.	At 10m.			Leq	Leq		Leq	Leq		Leq	Leq	Apr-21	While dozing the material	65	61	While loading to tipper	72	64	While mining	73	66	May-21	65	59	68	66	69	67	Jun-21	66	64	64	63	67	63	Jul-21	65	64	62	61	68	65	Aug-21	66	63	69	65	67	64	Sep-21	72	69	73	69	69	66			
Noise Level of HEMM distance - Singar Mines (April-2021 to September-2021)																																																																																															
Machine	Surface Miner			Loader			Dozer																																																																																								
Month	Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)																																																																																							
		At 5m.	At 10m.		At 5m.	At 10m.		At 5m.	At 10m.																																																																																						
		Leq	Leq		Leq	Leq		Leq	Leq																																																																																						
Apr-21	While dozing the material	65	61	While loading to tipper	72	64	While mining	73	66																																																																																						
May-21		65	59		68	66		69	67																																																																																						
Jun-21		66	64		64	63		67	63																																																																																						
Jul-21		65	64		62	61		68	65																																																																																						
Aug-21		66	63		69	65		67	64																																																																																						
Sep-21		72	69		73	69		69	66																																																																																						
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"><li>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.</li></ul>																																																																																													
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"><li>Dust Masks, Safety Shoes, Safety Goggles &amp; Helmet are provided to each &amp; 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.</li></ul>																																																																																													
<table><tr><th colspan="12">Air Borne Dust Survey (April-2021 to September-2021)</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>8-Apr-21</td><td>14:00-22:00</td><td rowspan="8">Inside Cabin</td><td>0.33</td><td>9-Apr-20</td><td>14:00-22:00</td><td rowspan="8">Inside Cabin</td><td>0.31</td><td>10-Apr-20</td><td>14:00-22:00</td><td rowspan="8">Inside Cabin</td><td>0.30</td></tr><tr><td>6-May-21</td><td>6:00-14:00</td><td>0.35</td><td>7-May-20</td><td>6:00-14:00</td><td>0.33</td><td>8-May-20</td><td>6:00-14:00</td><td>0.31</td></tr><tr><td>10-Jun-21</td><td>14:00-22:00</td><td>0.36</td><td>11-Jun-20</td><td>14:00-22:00</td><td>0.34</td><td>12-Jun-20</td><td>14:00-22:00</td><td>0.29</td></tr><tr><td>6-Jul-21</td><td>6:00-14:00</td><td>0.32</td><td>7-Jul-21</td><td>6:00-14:00</td><td>0.36</td><td>8-Jul-21</td><td>6:00-14:00</td><td>0.28</td></tr><tr><td>12-Aug-21</td><td>14:00-22:00</td><td>0.37</td><td>13-Aug-21</td><td>14:00-22:00</td><td>0.31</td><td>14-Aug-21</td><td>14:00-22:00</td><td>0.30</td></tr><tr><td>1-Sep-21</td><td>06:00-14:00</td><td>0.34</td><td>2-Sep-21</td><td>06:00-14:00</td><td>0.37</td><td>3-Sep-21</td><td>06:00-14:00</td><td>0.27</td></tr></table>			Air Borne Dust Survey (April-2021 to September-2021)												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)	8-Apr-21	14:00-22:00	Inside Cabin	0.33	9-Apr-20	14:00-22:00	Inside Cabin	0.31	10-Apr-20	14:00-22:00	Inside Cabin	0.30	6-May-21	6:00-14:00	0.35	7-May-20	6:00-14:00	0.33	8-May-20	6:00-14:00	0.31	10-Jun-21	14:00-22:00	0.36	11-Jun-20	14:00-22:00	0.34	12-Jun-20	14:00-22:00	0.29	6-Jul-21	6:00-14:00	0.32	7-Jul-21	6:00-14:00	0.36	8-Jul-21	6:00-14:00	0.28	12-Aug-21	14:00-22:00	0.37	13-Aug-21	14:00-22:00	0.31	14-Aug-21	14:00-22:00	0.30	1-Sep-21	06:00-14:00	0.34	2-Sep-21	06:00-14:00	0.37	3-Sep-21	06:00-14:00	0.27
Air Borne Dust Survey (April-2021 to September-2021)																																																																																															
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)																																																																																				
8-Apr-21	14:00-22:00	Inside Cabin	0.33	9-Apr-20	14:00-22:00	Inside Cabin	0.31	10-Apr-20	14:00-22:00	Inside Cabin	0.30																																																																																				
6-May-21	6:00-14:00		0.35	7-May-20	6:00-14:00		0.33	8-May-20	6:00-14:00		0.31																																																																																				
10-Jun-21	14:00-22:00		0.36	11-Jun-20	14:00-22:00		0.34	12-Jun-20	14:00-22:00		0.29																																																																																				
6-Jul-21	6:00-14:00		0.32	7-Jul-21	6:00-14:00		0.36	8-Jul-21	6:00-14:00		0.28																																																																																				
12-Aug-21	14:00-22:00		0.37	13-Aug-21	14:00-22:00		0.31	14-Aug-21	14:00-22:00		0.30																																																																																				
1-Sep-21	06:00-14:00		0.34	2-Sep-21	06:00-14:00		0.37	3-Sep-21	06:00-14:00		0.27																																																																																				
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"><li>Occupational health surveillance program of the workers is undertaken periodically by our Occupational Health Centre.</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

**FORM - M**  
(For Particulars)  
Notice of initial/periodical medical examination under rule 29 B

No. \_\_\_\_\_

Date: 25/05/2010

Sr. No. 1. **Asst. Manager Singh** Nature of employment: **Asst. Manager** (not a member from a body) **Asst. Manager Singh** is hereby notified that the 'Asst. Manager Singh' should report himself for an initial/periodical medical examination, under Rule 29 B of the Mines Act, 1955 before \_\_\_\_\_ (Name of the Medical Officer) at \_\_\_\_\_ (Place) on \_\_\_\_\_ (Date).

Sr. No. 2. **Asst. Manager Singh** Nature of employment: **Asst. Manager** (not a member from a body) **Asst. Manager Singh** is hereby notified that the 'Asst. Manager Singh' should report himself for an initial/periodical medical examination, under Rule 29 B of the Mines Act, 1955 before \_\_\_\_\_ (Name of the Medical Officer) at \_\_\_\_\_ (Place) on \_\_\_\_\_ (Date).

Sr. No. 3. **Asst. Manager Singh** Nature of employment: **Asst. Manager** (not a member from a body) **Asst. Manager Singh** is hereby notified that the 'Asst. Manager Singh' should report himself for an initial/periodical medical examination, under Rule 29 B of the Mines Act, 1955 before \_\_\_\_\_ (Name of the Medical Officer) at \_\_\_\_\_ (Place) on \_\_\_\_\_ (Date).

Signed by the Manager  
Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Place: \_\_\_\_\_  
Date: \_\_\_\_\_

**FORM - O**  
(For Particulars)  
Report of Medical Examination under Rule 29B

Examinee No. \_\_\_\_\_

Examinee Name: **Asst. Manager Singh** (not a member from a body) **Asst. Manager Singh** is hereby notified that the 'Asst. Manager Singh' should report himself for an initial/periodical medical examination, under Rule 29 B of the Mines Act, 1955 before \_\_\_\_\_ (Name of the Medical Officer) at \_\_\_\_\_ (Place) on \_\_\_\_\_ (Date).

1. Is the examinee fit for employment in the mine? ☐ Yes ☐ No

2. If the examinee is not fit for employment, the reasons are: \_\_\_\_\_

3. Is the examinee suffering from any disease? ☐ Yes ☐ No

4. If the examinee is suffering from any disease, the name of the disease is: \_\_\_\_\_

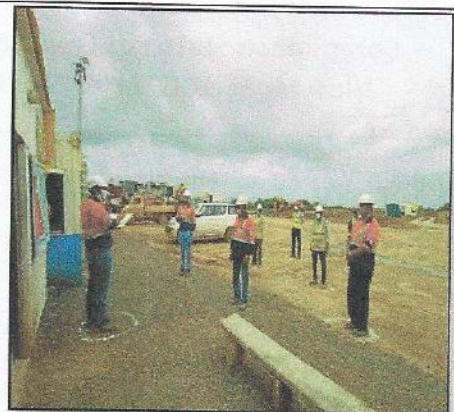
5. Is the examinee suffering from any other disease? ☐ Yes ☐ No

6. If the examinee is suffering from any other disease, the name of the disease is: \_\_\_\_\_

7. Is the examinee suffering from any other disease? ☐ Yes ☐ No

8. If the examinee is suffering from any other disease, the name of the disease is: \_\_\_\_\_

Signed by the Medical Officer  
Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Place: \_\_\_\_\_  
Date: \_\_\_\_\_



Daily Tool Box Talk at Workplace

- ix A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- 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.

- A well established Environmental Management Division (EMD) with suitable qualified personnel is in place. Head of environmental management cell directly report to the Unit Head (Jt. president) of the organization. EMD organization chart is enclosed as under:



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

**Expenditure incurred in Environment Management Plan - SINGAR MINES**

**A. Capital Investment for Environmental Monitoring:**

S.No	Particulars	Cost (In Lacs)
1	Monitoring Equipments	37.08
2	Environment Laboratory	10
3	Others (Monitoring Van, DG Sets etc.)	10
	<b>Total (In Lacs INR)</b>	<b>57.08</b>

**B. Recurring Expenditure for the period of April 2021 to September 2021**

S.No	Particulars	Cost (In Lacs)
1	Green belt development & Dust suppression	42.93
2	Manpower Cost *	28.14
3	House Keeping	1.08
4	Other Env. Protection (Environmental Monitoring)	1.74
5	Environment Awareness *	0.75
	<b>Total (In Lacs INR)</b>	<b>74.64</b>

\* Expenditures are Common for All the Plants & Mines.

**Ambuja Cement Foundation - Ambujanagar**

Details for programme wise expenditure for the year April 2021 to Sept. 2021

Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp.
	<b>GUJARAT - Kadihar</b>						
1	Water Resource Management & Drinking Water Projects						
	a. Water Resource Development	4.69	--	--	--	--	4.69
	b. Drinking Water Programme	2.40	2.84	--	1.00	160.48	166.73
2	Agriculture Development (Drip Irrigation, Farm Forestry & Afforestation)	7.09	--	6.65	54.68	53.20	121.56
3	ECI	7.68	1.01	123.85	28.24	35.02	195.80
4	Kirti Vigyan Kendra (KVK) - Agriculture	1.02	69.23	--	--	--	70.25
5	Health & Sanitation	4.86	--	9.23	34.20	--	47.29
6	Education Programme	0.69	--	--	--	--	0.69
7	Women / Youth Development	2.71	--	--	--	--	2.71
8	Skill and Entrepreneurship Development Programme	17.62	24.76	0.12	12.52	--	54.42
9	Integrated Community Development Programme	91.98	--	25.77	--	--	121.75
10	Co-ordination & Administration Expenses	--	--	--	--	--	0.00
11	Capital Expenditure	--	--	--	--	--	0.00
	<b>TOTAL</b>	<b>140.00</b>	<b>97.84</b>	<b>168.62</b>	<b>130.64</b>	<b>248.71</b>	<b>785.81</b>



**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**

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 17.05.2021 vide letter no. ACL/EMD/F-16/2021/2347/88959</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 17.05.2021 vide letter no. ACL/EMD/F-16/2021/2347/88959</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>Complied</li> <li>A copy of clearance letter has been marked to concern.</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>Complied</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>Environmental statement (Form-V) is being regularly submitted to concern authority for each financial year. Last Environment Statement (2020-2021) submitted on 14.09.2021 vide letter no. ACL/EMD/F-22/2021/2380/89483</li> </ul>
xvii	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control	<ul style="list-style-type: none"> <li>Complied</li> <li>Advertisement was published in two local newspapers are enclosed as under.</li> <li>Copy of advertisement has been submitted to MoEF &amp; CC on 10.07.2010 vide letter no.</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**

Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.

ACL/EMD/MOEF/SINGSAR/2010/52044

76

**Amhara  
Cement  
CO., LTD**

AG/ENH/SPOT/ST/0001/001/001

Dated: 10/10/2005

To:  
Dr. A. Mekonen, Minister of  
Petroleum, Ethiopia  
Ministry of Petroleum Resources  
Addis Ababa, Ethiopia  
Addis Ababa, Ethiopia  
Tel: 011-554-1000, 554-1011, 554-1013  
Fax: 011-554-1000

Subject: Supply Contracting Mining Project of 2005 Amhara Cement Ltd  
Located in: Yihya, Simeone, Pagan, Amhara, Western-Jannet  
of Central Zone  
Re: Your letter No. 3/229/01/0001/001 dated 04.04.2005

Ref:

This has reference to above subject. We are enclosing herewith following documents / information with request to stamped and return the Project as attached for you.

(1) Present situation of mine deposits - Ownership of Mining Lease (Area: 1000 hectares).

(2) List of most significant areas to commence exploration with request to Government of Amhara to authorize exploration to: 3/101/1/22/04/001-547  
dated 19.04.2005 (copy enclosed as Annexure-1).

(3) Copy of:

- Contract to Establish Operative Joint GPEC - Applied for Contract is  
Established & Operative.
- Recommendation of the Public-Private Mining - Copy Enclosed as  
Annexure-2.
- The copy of advertisement (Copy Enclosed to Amhara-3).
- 14 Data sheets (Copy Enclosed as Annexure-4).

We are also enclosing herewith all copy of the all above documents. We hope that you will not all above information in sector project. In case of any further clarification / information we shall be pleased to provide this service.

Thanking You,

Yours faithfully,  
For Amhara Cemento Limited.

S. K. Paulley  
En. Manager (P&M)

Encl. As above

**Amhara Cemento Limited**  
P.O. Box 1111, Addis Ababa, Ethiopia  
Phone: (011) 554 1000, 554 1011, 554 1013 Fax: (011) 554 1000  
E-mail: [amhara@amhara.com](mailto:amhara@amhara.com)

**Business Standard** WEDNESDAY 19 MAY 2010  
AHMEDABAD

## **PUBLIC NOTICE**

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

### **Ambuja Cements Limited**

PO. Ambujanagar-362715, Taluka-Kodinar, District-Junagadh.

જાહેર સુચના

આથી સુચિત કરવામાં આવે છે કે, અંબુજા સીમેન્ટ લીમિટેડના પોર્ટ ઓફિસના તરફથી સુચનામાં આજે જૂનાગઢના સીમેન્ટ ટ્રાઈબ્યુટરોન માઈનિંગ પ્રોજેક્ટને બીલીરીયા બોર્ડ ઓફ વાઈસમન એન્ડ મેનેજરની ભારત સરકાર તરફ ફાઈલીંગ થી પછાત પદસ્થિતિ 11013273/2007/1A1(M)ના ૧૨ મે ૨૦૧૦ના આદેશસરૂબિન મંજૂરી આપેલ છે. સરકારની નક્કર યુગ્મક પ્રક્રિયા નિયંત્રણ બોર્ડ ઓફીસના તરફ બીલીરીયા બોર્ડ ઓફ વાઈસમન એન્ડ મેનેજરની રેખાવાદી કાપમાંના ફાઈલીંગના પછાત પદસ્થિતિમાં.

અંબુજા સીમેન્ટ લીમિટેડ

સુ.પો અંબુજા નગર ૩૬૨૭૧૫ પતા.કોડીનાર જી.જૂનાગઢ





**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**

Annexure-1

Ambuja Cement Foundation ( Unit: Ambujanagar, Kodinar, Gujarat)					
Key Performance Indicators up to Sept. 2021					
Sr. No	Details of Work/activities	Unit	Cummulative up to March 2021	Achievements during April 2021 to Sept. 2021	Cummulative up to Sept. 2021
<b>1A</b>	<b>Water Resources Management and Drinking Water Projects</b>				
	a. Checkdam construction / Renovation	No	228	1	227
	c. Well Recharging / Percolation well	No	1258	0	1258
	d. Ponds Construction / Renovation	No	119	0	119
	e. Link Channels / Canals construction	Km	69.28	0	69.28
	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. R/RWHS Construction	No	4000	10	4010
	b. Drinking water wells/ Bore wells/ Renovation of Saline Wells	No	120	0	120
	c. Overhead / Cistern Tank construction/underground sump	No	25		25
	d. Community Based Drinking Water Project	No	65	5	70
<b>C</b>	<b>Soil and Water Conservation</b>				
	a. Area Treated ( Gully Control / Gabion / loose boulder structure / wire crates / Khadine	Ha	11876	0	11876
<b>2A</b>	<b>Agriculture Development</b>				
	a. Micro Irrigation system, Drip and Sprinklers	Acre	14471.48	354.95	14836.43
	No. of farmers covered	No	3335	104	3439
	No. of units	No	328		328
	No. of families		299		299
	d. Training & Exposure visits	No	19767	3568	23335
	Farmers trained	No	356751	114765	471516
	e. Vermi / NADEP Composting	No	158		158
	g. Aquaculture	No	120		120
	i. Seed Production programme	Acre	1168		1168
	j. Better Cotton Initiative - Area covered	Hectare	43083	17482	60565
	k. Demo plots on POPs	No	83	188	271
	- Farmers covered	No	49864	8360	58244
	k. Farmer producer organization	No	2	0	2
	l. No. of members	No	2131	8	2137
<b>B</b>	<b>Farm Forestry and Afforestation</b>				
	a. Horticulture Plantation	Acre	13119.16	625	13744.16
	No. of plants	nos	948082	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		227
	Cattles Treated	No	176102		176102
	Cattle Immunised	No	28068		28068
	b. Fodder Demonstrations	Acre	2571.1		2571.1
	c. Artificial Insemination	No	49123		49123
	d. Integrated cattle feeding system	No	1394		1394
	e. Dairy co-operatives formed	No	1		1
	g. No. of families benefited by AH programme		10790		10790
<b>4</b>	<b>Non Conventional Energy</b>				
	a. Biogas Plants	No	526	0	526
	b. Smokeless Chulshs	No	4671	0	4671
<b>5</b>	<b>Education Development</b>				
	b. School / Anganwadi (Balwadi) Support Programme	No	29		29
	h. Village / School Library	No	4	1	5
	i. Village Knowledge Centre / Computer education	No	3		3
	j. Adolescent Education Programme	No	4		4
	l. Students training / exposure visits	No	158	4	162
	n. Schools benefited	No	58	4	62
	c. Sports equipments provided to schools	No	10		10
	p. School sanitation facilities	No	28		28
	q. No. of students benefited under Education Development	No	9477	268	9745





**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**

<b>7</b>	<b>Health and sanitation Programme</b>				
	a. No of camps organised (include all general and speciality health camps)	No	366	8	374
	Patients benefited	No	63908	1129	65037
	b. Villages benefited under mobile & weekly dispensary	No	22	13	35
	Patients treated	No	350102	766	350890
	c. Sakhis (Village Health Functionaries)	No	21	16	37
	d. Villages covered by Sakhis / Patients treated by Sakhis	No	15	13	29
	No of Patients treated		37704		37704
	e. Khatwadi sessions conducted by Sakhis	No	3611		3611
	f. Health intervention trainings done (include trainings of Sakhis / Govt. health functionaries)	No	62	14	76
	Participants in trainings	No	1546	484	2030
	g. Construction of Toilet Blocks / Sulabh Sauchalaya / Soak Pits	No	12063	103	12166
	h. Villages where Total Sanitation Campaign initiated	No	259	40	299
	i. No of Village Health Sanitation Committees activated	No	73		73
<b>8A</b>	<b>HIV/AIDS Awareness Programme (Community)</b>				
	h. No of people benefited	No	138828	0	138828
<b>8</b>	<b>Workplace Programme</b>				
	a. Awareness session for Staff / Families / contract staff / labourers / 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 - Ambujnagar</b>				
	a. No of institute	No	3	0	3
	b. No of batches / courses	No	310	17	327
	c. Entrepreneurs trained under SEDI / ITI	No	6106	310	6416
	d. No of trainees placed	No	4755	90	4845
	e. No of trainees pursuing (Continuation)			409	409
<b>10</b>	<b>Women and Youth Development</b>				
	a. No of SHG formed	No	778	74	852
	No of members	No	9393	766	10159
	b. Training & Exposure (women)	No	1371	216	1587
	No of participants	No	48260	3339	51599
	c. Training & Exposure (Youth)	No	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	4056	98018.4
	b. Street Light installation	No	411	120	531
	c. Drainage construction	Mtrs	1075	0	1075
	d. Crematorium / Ghats construction/ Drinking water facilities	No	34	2	36
	e. Community Centre construction / School classroom	No	135	1	136
	f. Support for Social and Cultural Events	No	308		308
	g. House repairing	No	0		0
	h. Construction of culverts / bridge	No	16	1	17
	i. Construction of new School / school repairing	No	5		5
	k. No of villages covered	No	69		69
	l. const. of compound wall for common area	Rmt	1695		1695
<b>12</b>	<b>Gr Forest Conservation project</b>				
	a. Construction of Parapet wall around walls to protect wild animals	No	1957	0	1957
<b>13</b>	<b>Krishi Vigyan Kendra - Kodnar</b>				
	a. No of villages covered	No	310		310
	b. No of farmers trained	No	128535	2992	131427
	c. No of technology transferred (FLD)	No	288	15	303
	d. No of technology tested (OFT)	No	100	5	105
<b>14</b>	<b>Overall 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		67757
	b. Soil testing	Farmers	3389		3389
	c. Village information centre	Villages	36		36
	d. SMS base agri. information system 3 SMS/month	Farmers	31645		31645
<b>16</b>	<b>Community safety awareness programmes</b>				
	Community Safety	No	1277	8	1285
	Total participant in community safety	No	49742	719	50461

