

**Ambuja  
Cement**  
REGD. A/D

ACL/EMD/F-16/2019/ 2052

25.11.2019

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

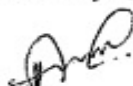
**Sub. :** Half Yearly Compliance Status Report of Environmental Clearance of *Sugala*  
Limestone Mines.

**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 '19 to September '19** of Environmental Clearance No. J-11015/6/2000-IA-II (M) dated 20.06.2002 granted by MoEF to **Sugala Limestone Mines** of Ambuja Cements Ltd., located at village - Sugala & Jagatiya, Taluka - Kodinar, District - Gir Somnath (Gujarat). We are also enclosing here with CD containing soft copy of the same.

Thanking you,

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



**Anand Prakash**  
Head-Environment

Encl.: As above.

Copy to:

- 1.) Central Pollution Control Board (CPCB) Privesh Bhavan, Atmajyoti Ashram Rd, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara - 390023 (Gujarat)
- 2.) Member Secretary, Gujarat Pollution Control Board (GPCB), Paryavaran Bhavan, Sector-10-A, Gandhinagar-382010
3. 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) 220325, 232032

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

Corporate Office :  
Elegant Business Park,  
MIDC Cross Road 'B'  
Off Andheri - Kurla Road, Andheri (E)  
Mumbai - 400 059. Phone : (022) 4096700

**MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS**

Ministry of Environment &amp; Forests, Regional Office (W), Bhopal

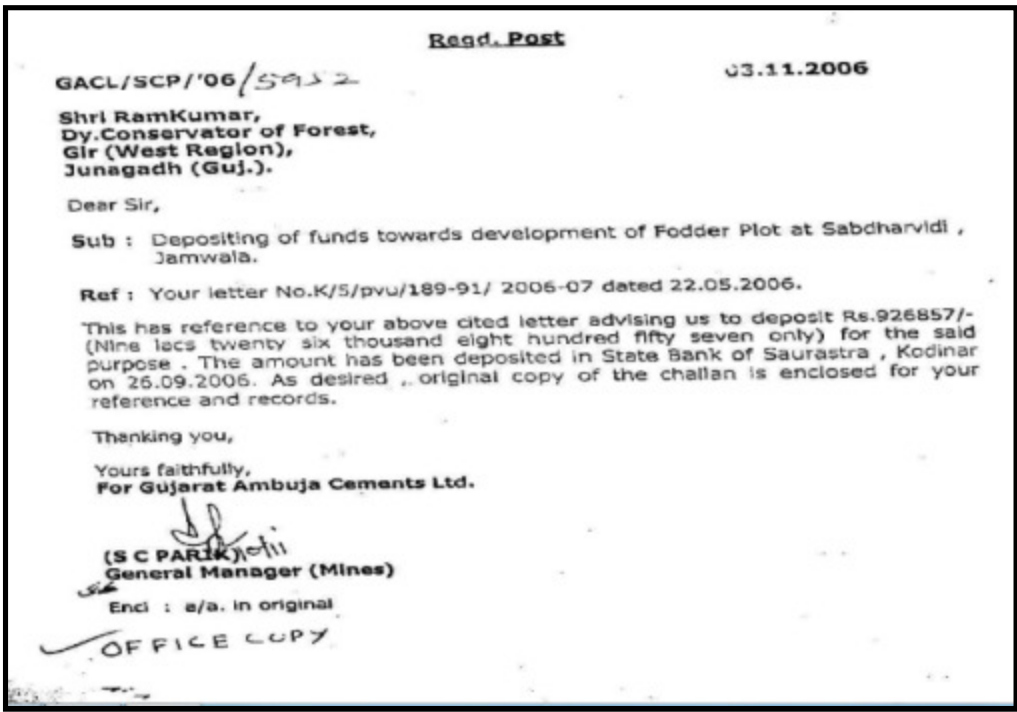
Monitoring Report, Part-I

**DATA SHEET****Date: 25.11-2019**

01	Project type	Mining
02	Name of the project	Sugala Limestone Mining Project
03	Clearance letter(s) / OM no. and date	J-11015/6/2000 – IA,II (M), dated 20.06.2002
04	Location	
	a) District(s)	Gir Somnath
	b) State(s)	Gujarat
	c) Latitude	20° 52' 45" – 20° 54' 45"
	d) Longitude	70° 45' 30" – 70° 46' 45"
05	Address for correspondence	
	a) Address of concerned Project Chief Engineer (with pin code & telephone / telex / fax numbers).	Sh. Sukuru Ramarao MCH (W&S) Mines 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. Ganpat RAM, Manager ( Mines ), Ambuja Cements Ltd PO :Ambujanagar , Taluka - Kodinar District : Gir Somnath (Gujarat) Pin. : 362715 Tel: 02795-237217 Fax: 02795 - 220328/232032
06	Salient features	
	a) Present Status of the project	Ambuja Cements Ltd. has cement manufacturing plant at Ambujanagar in Kodinar Taluka of Gir Somnath District. Limestone is the main raw material for the cement plants. The materials are being exploited from company's own captive mines i.e. Sugala Limestone Mine. Sugala is located at a distance of about 18 kms in NNE direction with respect to cement plant. The rated capacity of the limestone is 1.29

		MTPA.
	b) of the environmental management plans	<ul style="list-style-type: none"> <li>* Mining operations do not involve drilling and blasting for material rising. Limestone excavation being carried out by Surface Miner &amp; Ripper Dozer</li> <li>* Regular monitoring of environmental parameters is carried out as per the norms evolved by MoEF and IBM.</li> <li>* Preventive maintenance of deployed HEMM being undertaken on regular basis.</li> <li>* Dust suppression by water sprinkling on haul roads and in working area.</li> <li>* Afforestation / Green belt development along haul road near office building and lease periphery is being implemented.</li> <li>* Mined-out areas would be converted to plantation / agri-farm and water reservoirs as envisaged in the mining plan partial reclaiming already done.</li> <li>* Socio-economic improvement measures are being undertaken in the project buffer zone as envisaged.</li> </ul>
07	Break up of the project area.	
	a) Submergence area( forest & non-forest )	Not Applicable
	b) Others	Private Land - 414.8493 ha , Govt. Land - 2.5091 ha
08	Break up of the project affected population with enumeration of those losing houses / dwelling units only, agricultural land only, both dwelling units & agricultural land & landless labourers / artisans.	Not Applicable, since there is no human settlement in the core zone area,
	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.	Limestones raised from Sugala area partially supplement the requirements of existing cement units. As it is a captive mine for the existing cement plants, no separate project costing was made.
	b) Allocation made for environmental management plans with item wise and year wise break-up.	Rs. 8.41 Cr.
	c) Benefit cost ratio / Internal rate of return and the year of assessment.	No separate assessment made, as it is a captive mine.

	d) Whether (c) includes the cost of environmental management as shown in the above.	Not Applicable.
	e) Actual expenditure incurred on the project so far.	Rs. 7.87 Crores.
	f) Actual expenditure incurred on the environmental management plans so far.	Actual expenditure incurred on the environmental management plans so far is Rs. 8.85 Cr.
10	Forest land requirement.	
	a) The status of approval for diversion of forest land for non-forestry use	The project area does not comprise of any forest land hence not applicable.
	b) The status of clearing felling	Not Applicable
	c) The status of compensatory afforestation, if any	Not Applicable
	d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far.	Not Applicable
11	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information.	The project does not involve clear felling of trees.
12	Status of construction.	
	a) Date of commencement (Actual and / or planned)	2 <sup>nd</sup> November 2002
	b) Date of completion (Actual and / or planned).	Ongoing Project
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.	1.) 12.10.10 to 13.10.10 by Dr. A. Mehrotra MoEFCC Regional Office, Bhopal 2.) 29/03/2019 by Dr. H.V.C Chary Guntupalli, Regional Director Bhopal
	b) Date of site visit for this monitoring report	1.) 17.08.2016 2.) 29/03/2019
15	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	Half yearly compliance status report is being regularly submitted and last submission was on 25.05.2019 vide letter No . ACL/EMD/F-16/2019/1055

S.N o.	Condition	Compliance Status	Details
<b>A. Specific Conditions</b>			
i	Mining activities including transportation of material from the mine site should be carried out only during day time (6 a.m. to 6 p.m.)	Complied	<ul style="list-style-type: none"> <li>Mining activities including transportation of material from the mine site is being carried out only during day time (6 a.m. to 6 p.m.). No mining is being done after 6 p.m.</li> </ul>
ii	Company should contribute for development of fodder plots in the nearby reserve forests areas.	Complied	<p>We have developed 9.0 hectares of fodder plot at Sabdharvidi, Jamvala jointly with Forest Department. The fund was allotted in two stages: In first stage, fund of Nine Lakhs Twenty Six Thousand Eight Hundred and Fifty Seven thousand (926857/-) was released vide our letter No. GACL/SEP/06/5952 dated 03/11/2006. In second Stage, fund of Twelve Lakhs Ninety Nine Thousand Eight Hundred Thirty Nine (1299839/-) was released vide our letter No. GACL/GEO/TRR/05 Dated 15/02/2005. Details of fodder plot developed has been already submitted to MoEF vide our submission dated 25.12.2010 vide letter no. ACL/EMD/F-16/2010/55926.</p>
			
iii	Prior permission from the Forest Department / concerned authorities should be taken for cutting of trees for any mining activity in the lease area.	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>No tree has been cut for any mining activity till date. Although permission has been obtained from Mamlatdar, Kodinar for cutting of trees in mine lease area. Copy of permission granted by Mamlatdar has been already submitted to MoEF vide our submission dated 25.12.2010 vide letter no. ACL/EMD/F-16/2010 /55926.</li> </ul>



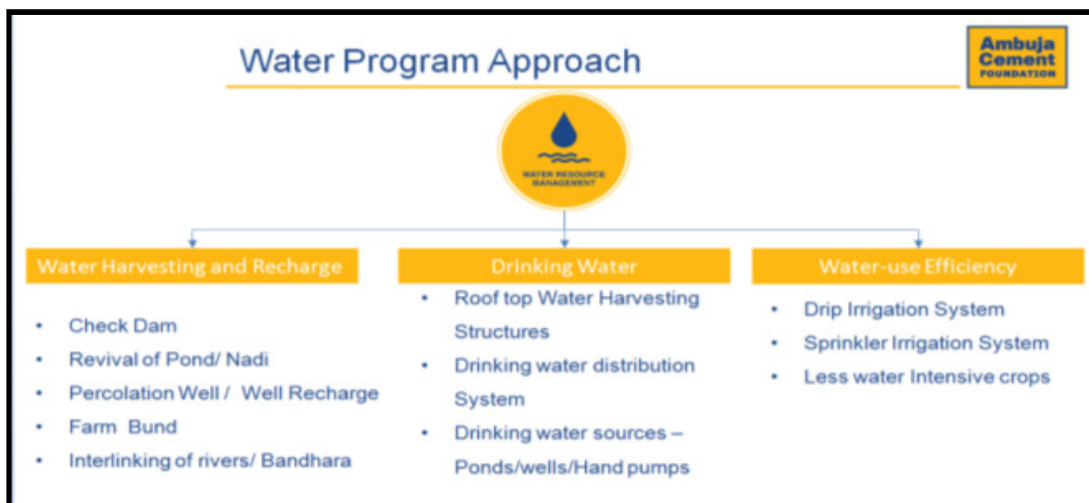


**Bella Stone Wall Fencing**



**Barbed Wire Fencing**

vi (a)	In the eventuality of any drought in the area, the project authorities should take prior approval of the Central Ground Water Authority for dewatering the mine and Ministry of Environment & Forest should be kept informed.	<ul style="list-style-type: none"> <li>Noted and Complied as there has been no drought in the area till date</li> </ul>	<ul style="list-style-type: none"> <li>So far there has been no drought condition, however in future, in case of any Drought condition; we will take prior permission as advised. In case of any drought conditions prevailing in future, we will take necessary approval from Central Ground Water Authority for dewatering the mine and will also inform the same to Ministry of Environment &amp; Forest.</li> </ul>
vi (b)	In case of depletion of water in the wells of nearby villages, the project authorities should provide water supply free of cost to the villagers.	There is no depletion of water in surrounding area wells	We have done several measures under water resource management through our Ambuja Cement Foundation; which has help to improve the water regime of the area. This has increased water level of all the nearby wells in and around mining lease. In case of depletion of water in the wells of nearby villages, we will supply water on free of cost basis.





FARMING DONE WITH DRIP IRRIGATION METHOD AT JAGATIYA VILLAGE



DRIP INSTALLATION WORK AT FARM

- vii
- |  |  |  |
|--|--|--|
| <p>Construction of check dam(s) in the shingoda river and also release of mine water discharge should be undertaken with prior approval of Chief Wild Life Warden (CWLW), Government of Gujarat to ensure undisturbed movement of lions through the Shingoda river bed, which is an established migratory route for lions and other animals.</p> | <ul style="list-style-type: none"> <li>Complied related to construction of check dams (06 Nos.).</li> <li>No mine water discharge</li> <li>CWCL permission obtained</li> </ul> | <ul style="list-style-type: none"> <li>Mines is Zero Water discharge.</li> <li>In addition rain water is being stored in mined out pit area developed as a water reservoir. So far we have constructed 06 nos. of Check dams on river Shingoda and 01 no. of tidal regulator at Muldwarka. All the check dams constructed on Shingoda River are located in downstream area from mine lease boundary on Shingoda River. All the check dams have been constructed under partnership with Govt. of Gujarat. Permission granted by Govt. of Gujarat, has been already submitted to MoEF vide our submission on 25.12.2010 vide letter no. ACL/EMD/F-16/2010/55926. List of Check dams constructed are enclosed as under :</li> </ul> |
|--|--|--|

Details of Check dams across Shingoda River:

Sr. No.	Name of Village	Type of Structure	Year of Construction	Total Cost Rs. In Lacs	Storage Capacity in MCFT
1	Ronaj	Construction of Check dam	2002	35.17	6.31
2	Dudana ( Fruit Nursery)	Check dam height raising	2001	7.1	3.51
3	Chhachhar	Construction of Check dam	2004	12.06	6.2
4	Dudana	Construction of Check dam	2004	47.62	5.25
5	Kodinar ( Kubeshwar )	Construction of Check dam	2004	23.1	4.17
6	Muldwarka	Construction of Tidal Regulator	2009	79.58	57.64
7	Ronaj (Bhekheshwar Dam)	Dam, Under construction	Start in 2009	840	35.0



CHECK DAM CONSTRUCTED AT JAGATIYA FOR WATER CONSERVATION



CHECK DAM AT SUGALA MINES BUFFER ZONE VILLAGE

Viii	Top soil should be properly stacked at earmarked dump site(s) with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>All the mining activities in said period are restricted within already broken area and top soil as and when removed is directly being utilized for reclamation and rehabilitation of mined out area.</li> <li>So far 32.8752 hect area has been reclaimed and rehabiliated and this will be ongoing process.</li> </ul>
------	--	--	--

S. No.	Year	Excavated Area (In Ha)	Reclamation Work (In Ha)	
			Agri Farm	Water Reservoir
1	2002 - 03	10	0	0
2	2003 - 04	28.4	0	0
3	2004 - 05	4.1	0	0
4	2005 - 06	13.82	0	0
5	2006 - 07	6.93	0	0
6	2007 - 08	2.97	1	0
7	2008 - 09	11.06	1.27	0
8	2009 - 10	14.28	2.79	0
9	2010 - 11	4.0616	7.0261	0
10	2011 - 12	19.5677	1.4245	0
11	2012-13	11.6447	3.095	0
12	2013-14	7.6909	3.3944	0
13	2014-15	7.8389	5.9361	0
14	2015-16	15.1005	2.2633	0
15	2016-17	9.8151	3.1481	13.0982
16	2017-18	13.6487	1.4129	0
17	2018-19	8.4378	0.1148	0
	Total	189.3659	32.8752	13.0982



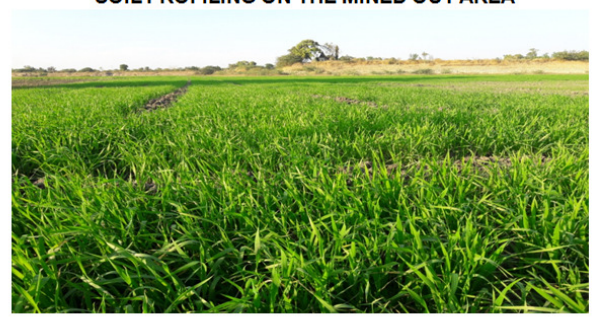
**MINED OUT AREA DEVELOPED AS AGRI-FORM**



**SOIL PROFILING ON THE MINED OUT AREA**



**CULTIVATION OF SEASONAL CROPS IN MINED OUT AREA**



**CULTIVATION OF SEASONAL CROPS IN MINED OUT AREA**

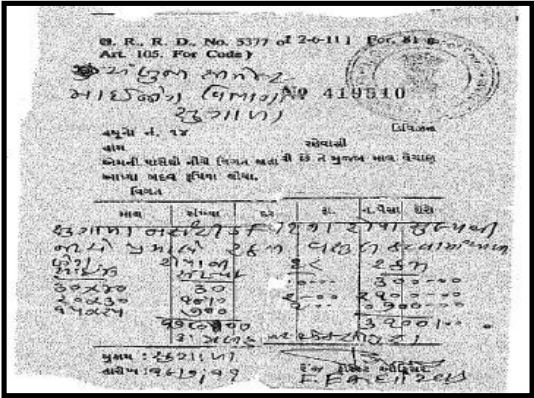
ix

Catch dams and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows soil and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted and maintained. Garland drain (Size, gradient & length ) and sump capacity should be designed keeping 50 % safety margin over and above the peak sudden rainfall 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.

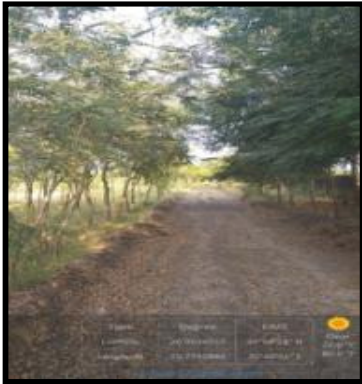
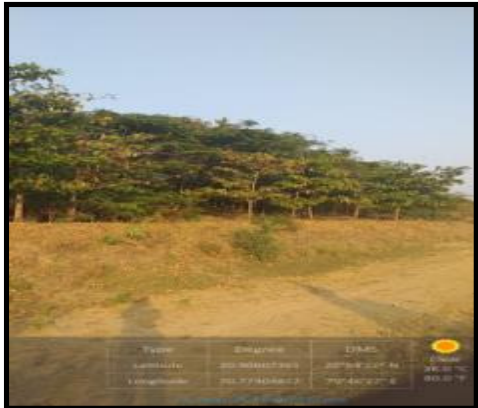
- It is not applicable in our case as we don't have any waste dump.
- Complied

Since the deposit is outcropped hence there is no over burden and interbands from where waste is being generated. Therefore this clause is not applicable in our case.

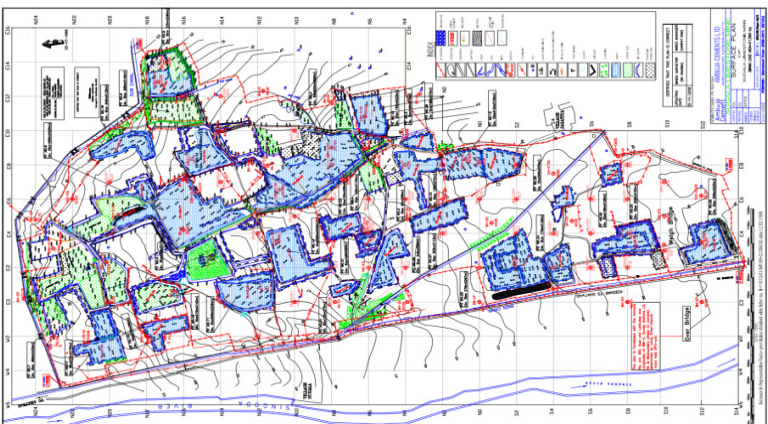
X	<p>A green belt of adequate width all around the ML area should be developed by planting the native plant species in consultation with local DFO/ Agriculture Department. At least 2000 plant species / ha. Should be planted. Plantation should also be raised along the roads, canal, dump sites etc.</p>	<ul style="list-style-type: none"> <li>Complied and ongoing process</li> </ul>	<ul style="list-style-type: none"> <li>We have developed green belt along lease boundary and maintaining the density 2000 sapling per hectare with native type of species, with consultation of local DFO.</li> <li>We are in the process of obtaining surface right of remaining lease boundary area to develop further green belt.</li> <li>Saplings are being provided by local forest department for plantation. Invoice of the same is attached as under :</li> </ul>
---	---	--	--



	<p>Interactions are being carried out with Agriculture University, Forest department &amp; KVK for plantation/afforestation. Even forest dept. is using sapling from our nursery for tree plantation. Details of mines reclamation and plantation are enclosed as under : <b>SUGALA MINES Greenbelt &amp; Plantation Details</b></p>
--	--





xi	<p>The North block of the mine should be fully converted to agricultural farms; the middle block should also be converted to agricultural farms/orchards and partly for water harvesting. Southern block of the mine should be converted to reservoir for water storage. Efforts should be made to backfill the worked out areas concurrently to the extent possible.</p>	<ul style="list-style-type: none"> <li>Complied and ongoing process</li> <li>Complied and ongoing process</li> </ul>	<ul style="list-style-type: none"> <li>Area of 32.7604 Ha has been developed as pasture land in Consultation with Krishi Vigyan Kendra ( KVK), Gir Somnath as shown in Surface Plan attached as under : (New updated surface plan of 2019 should be taken) Attached</li> </ul> 
xii	<p>A detailed mine decommissioning plan should be submitted to the Ministry of Environment &amp; Forests 5 years in advance for approval.</p>	<ul style="list-style-type: none"> <li>Will be complied at the time of decommissioning of mine</li> </ul>	<ul style="list-style-type: none"> <li>Point noted and will be complied at the time of mine closure. We will submit detailed mine decommissioning plan to the Ministry of Environment, Forest &amp; Climate Change &amp; IBM 5 years in advance for approval. As our mining lease is valid up to 01.09.2052.</li> </ul>
xiii	<p>Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring should be done four times a year – pre- monsoon (April/May), monsoon</p>	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>Complied. Water quality testing is carried out with the help of MoEF certified third party laboratory on Quarterly basis. Water levels are being recorded in 13 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 Regional office (SEZ) Bhopal, CGWB Regional Director Gandhinagar .</li> <li>Ground water level &amp; quality monitoring is being done regularly by establishing a network of ground water</li> </ul>

(August), post-monsoon (November), and winter (January). Data thus collected should be sent at regular intervals to MoEF & the Central Ground Water Authority.

monitoring stations. Report is submitted to MoEF regional office Bhopal on six monthly basis. Ground water level & quality monitoring reports are enclosed as under :

**TALUKA LABORATORY**  
Jalbhavan Tulshishyam Road, Una.  
PIN-362560. Phone:02875-221570.  
Email:- unalab555@gmail.com

**REPORT ON SHORT CHEMICAL EXAMINATION OF WATER**

Name & Address  
Head Environment  
Ambuja Cement Ltd Ambuja Nagar Kodinar  
Kodinar

Sender's Ref. No. : ACUEMD/F24/1046/2019  
Ref. Date : 16-May-19  
Sample Collected By : Sender

Sr. No.	Lab. Reference : CW No.	***	***	200	201	202	203	204
* Date of Collection	Value as per IS 10500 : 2012	16-May-19	16-May-19	16-May-19	16-May-19	16-May-19	16-May-19	16-May-19
* Date of Arrival at Laboratory	(Second Revision)	17-May-19	17-May-19	17-May-19	17-May-19	17-May-19	17-May-19	17-May-19
* Source of Water Sample	Requirement [Acceptable Limit] MAX	Permissible Limit in the absence of Alternate Source MAX	Private Well (2) Water Sample from Sugala Limestone Mines	Private Well (3) Water Sample from Sugala Limestone Mines	Private Well (5) Water Sample from Sugala Limestone Mines	Private Well (6) Water Sample from Sugala Limestone Mines	Private Well (7) Water Sample from Sugala Limestone Mines	
* Village	***	***	Sugala	Sugala	Sugala	Sugala	Sugala	
* Habitation	***	***	Sugala	Sugala	Sugala	Sugala	Sugala	
* Taluka	***	***	Kodinar	Kodinar	Kodinar	Kodinar	Kodinar	
* District	***	***	Gir-Somnath	Gir-Somnath	Gir-Somnath	Gir-Somnath	Gir-Somnath	
1 Colour - Hazen Units	5	15	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil
2 Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3 Turbidity - NTU	1	5	0.22	0.28	0.3	0.34	0.36	
4 Dissolve Solids - mg/l	500	2000	310	366	440	394	328	
5 Conductivity - µs/cm	.....	.....	484	572	688	616	513	
5 pH	6.5 to 8.5	No Relaxation	7.92	8.08	7.68	7.84	7.80	
6 Total Hardness (as CaCO <sub>3</sub> ) mg/l	200	600	140	180	200	140	180	
7 Calcium (as Ca <sup>+2</sup> ) mg/l	75	200	28	36	40	28	36	
8 Magnesium (as Mg <sup>+2</sup> ) mg/l	30	100	17	23	24	17	22	
9 Chloride (as Cl <sup>-</sup> ) mg/l	250	1000	60	48	80	72	48	
10 Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) mg/l	200	400	23	30	32	23	29	
11 Nitrate (as NO <sub>3</sub> <sup>-</sup> ) mg/l	45	No Relaxation	3.10	42.10	24.50	0.10	25.20	
12 Fluoride (as F <sup>-</sup> ) mg/l	1.0	1.5	0.80	1.72	1.44	1.07	1.20	
13 Alkalinity (as CaCO <sub>3</sub> ) mg/l	200	600	172	200	240	240	160	

Opinion for Potability is given as per Analysed test parameter's only.  
Abbreviation : U.O. = Unobjectionable, Note : Excessive Turbidity, if any may be removed before use.

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

1. Test Report is issued for assessing Chemical Fitness as per the BIS 10500:2012 for the given Drinking Water Sample only.  
2. This Report should not be taken as a basis to getting license from any Government authority.  
3. Chemical Sample must be submitted within 72 hours to laboratory."

Outward No.: CAR /38 /of 2019, Date 25 / 06 / 2019  
Junior Scientific Assistant.

**TALUKA LABORATORY**  
Jalbhavan Tulshishyam Road, Una.  
PIN-362560. Phone:02875-221570.  
Email:- unalab555@gmail.com

**REPORT ON SHORT CHEMICAL EXAMINATION OF WATER**

Name & Address  
Head Environment  
Ambuja Cement Ltd Ambuja Nagar Kodinar  
Kodinar

Sender's Ref. No. : ACUEMD/F24/1046/2019  
Ref. Date : 16-May-19  
Sample Collected By : Sender

Sr. No.	Lab. Reference : CW No.	***	***	205	206	207	208	209
* Date of Collection	Value as per IS 10500 : 2012	16-May-19	16-May-19	16-May-19	16-May-19	16-May-19	16-May-19	16-May-19
* Date of Arrival at Laboratory	(Second Revision)	17-May-19	17-May-19	17-May-19	17-May-19	17-May-19	17-May-19	17-May-19
* Source of Water Sample	Requirement [Acceptable Limit] MAX	Permissible Limit in the absence of Alternate Source MAX	Private Well (9) Water Sample from Sugala Limestone Mines	Private Well (10) Water Sample from Sugala Limestone Mines	Private Well (11) Water Sample from Sugala Limestone Mines	Private Well (13) Water Sample from Sugala Limestone Mines	Piezometer - Bore 1 Sample from Sugala Limestone Mines	
* Village	***	***	Sugala	Sugala	Sugala	Sugala	Sugala	
* Habitation	***	***	Sugala	Sugala	Sugala	Sugala	Sugala	
* Taluka	***	***	Kodinar	Kodinar	Kodinar	Kodinar	Kodinar	
* District	***	***	Gir-Somnath	Gir-Somnath	Gir-Somnath	Gir-Somnath	Gir-Somnath	
1 Colour - Hazen Units	5	15	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil
2 Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3 Turbidity - NTU	1	5	0.38	0.16	0.24	0.22	0.26	
4 Dissolve Solids - mg/l	500	2000	334	354	316	376	378	
5 Conductivity - µs/cm	.....	.....	522	553	494	588	591	
5 pH	6.5 to 8.5	No Relaxation	7.54	7.82	7.81	7.72	7.52	
6 Total Hardness (as CaCO <sub>3</sub> ) mg/l	200	600	200	180	160	220	200	
7 Calcium (as Ca <sup>+2</sup> ) mg/l	75	200	40	36	32	44	40	
8 Magnesium (as Mg <sup>+2</sup> ) mg/l	30	100	24	22	19	27	24	
9 Chloride (as Cl <sup>-</sup> ) mg/l	250	1000	40	60	40	48	40	
10 Sulphate (as SO <sub>4</sub> <sup>-2</sup> ) mg/l	200	400	32	29	26	36	32	
11 Nitrate (as NO <sub>3</sub> <sup>-</sup> ) mg/l	45	No Relaxation	0.20	27.70	7.10	25.80	3.00	
12 Fluoride (as F <sup>-</sup> ) mg/l	1.0	1.5	0.60	1.18	1.22	0.56	0.23	
13 Alkalinity (as CaCO <sub>3</sub> ) mg/l	200	600	220	184	200	180	260	

Opinion for Potability is given as per Analysed test parameter's only.  
Abbreviation : U.O. = Unobjectionable, Note : Excessive Turbidity, if any may be removed before use.

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

1. Test Report is issued for assessing Chemical Fitness as per the BIS 10500:2012 for the given Drinking Water Sample only.  
2. This Report should not be taken as a basis to getting license from any Government authority.  
3. Chemical Sample must be submitted within 72 hours to laboratory."

Outward No.: CAR /38 /of 2019, Date 25 / 06 / 2019  
Junior Scientific Assistant.

xiv	Digital processing of the entire lease area using remote sensing technique should be carried out regularly once in three years for monitoring land use pattern and physiographic of the area and report submitted to the Ministry and its Regional Office at Bhopal.	<ul style="list-style-type: none"> <li>Complied</li> <li>We carry out digital processing of the entire lease area once in every three year. Year 2016 report has been submitted to MoEFCC, New Delhi and it's Regional Office Bhopal and next report will be submitted after completion.</li> </ul>
xv	Vehicular emissions should be kept under control and regularly monitored.	<ul style="list-style-type: none"> <li>Complied</li> <li>Vehicular emissions are being checked &amp; monitored regularly. Detail of P.U.C certificate by Omkar driving school &amp; P.U.C center (Approved by Government of Gujarat) is attached as under :</li> </ul>

S.No	Machinery	Nos.(in use)
<b>Heavy Earth Moving Machinery</b>		
a)	Volvo Loader (4.6 m <sup>3</sup> )	01
b)	TATA tipper (3118 TC)	25
c)	Surface Miner – SM 2200	01
d)	Ripper Dozer D275A KOMATSU	01
e)	L580 Liebherr Loader	01
f)	Surface Miner – SM 2100	01
g)	Mahindra – 3118 TC	25

Pollution Under Control Certificate Transport Department (Govt. of Gujarat)

**SIDDHNATH PUC CENTER**  
 Veraval Road, Nr. Riya Motor's Garage, Kodinar, Dist. Gir-Somnath, Pin-362725  
 Mob. No. 9723476106 / 8033526311 L.No. GJ32/P-4/2018 GJ32/D-4/2018

PUC NO. GJ3230036793

M.V. Reg No. GJ07T3366

Make MAHINDRA AND MAHINDRA

Model MAHINDRA 459

Category TRUCK

Reg. Year 2017

Fuel DIESEL

Date 14-5-2018

Time 05:11 PM

Valid upto 13.11.2019

It is Certified that this Vehicle conforms to the emission level standards prescribed under rules 110(E) of the Central Motor Vehicle Rules, 1989

In Cash of complaint Please Write to Commissioner of Transport, Gujarat State, Gandhinagar

Authorized Signatory  
 Siddhnath PUC Center  
 Tolling Fee Charges

FLUSH CYCLE		RPM Max.	RPM Min.	Temp.
Br. No.	1	2840	41.70	1.29
2	2850	42.29	1.28	
3	2840	42.44	1.28	
MEAN RESULT		AZ 16	1.27	
RESULT		PASS		

DATE ON : 14-5-2018  
 TIME ON : 05:11 PM  
 CENTER CODE 5 TEST

### B. General Conditions

i	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.	Complied	There is no change in mining technology and scope of working.
ii	No change in the calendar plan including excavation, quantum limestone and marl, waste / OB dumps should be made.	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>There is no change in the calendar plan. As per approval from MoEFCC ; we have annual mining capacity of 1.29 MTPA</li> <li>Also the past year wise actual production v/s sanctioned capacity is enclosed herewith.</li> </ul>

### LIMESTONE PRODUCTION DETAILS

S. No.	Year	EC sanctioned capacity (TPA)	Actual Limestone production (TPA)	Actual Marl production (TPA)
1	2002 - 03	1040000	73251	0
2	2003 - 04	1040000	1039953	0
3	2004 - 05	1040000	1039818	0
4	2005 - 06	1040000	1039777	0
5	2006 - 07	1040000	1039881	0
6	2007 - 08	1290000	1289499	0
7	2008 - 09	1290000	1281161	0
8	2009 - 10	1290000	1289843	0
9	2010 - 11	1290000	1277822	0
10	2011 - 12	1290000	1231742	0
11	2012 - 13	1290000	1257075	0
12	2013 - 14	1290000	1218109	0
13	2014 - 15	1290000	1281714	0
14	2015 - 16	1290000	1289577	0
15	2016 - 17	1290000	1288637	0
16	2017 - 18	1290000	1245886	0
17	2018 - 19	1290000	1277707	0
18	2019-20 (Till September)	1290000	215721	0

iii	Five ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> and CO monitoring. Location	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>Five ambient air quality monitoring stations have been established in core &amp; buffer zone. Ambient air quality monitoring of core zone and buffer zone is being done every month. Monitoring reports are submitted on monthly basis. To Regional Office, Junagadh of Gujarat State Pollution Control Board.</li> </ul>
-----	---	--	--

	of the ambient air quality stations should be decided on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultations with the State Pollution Control Board.		<ul style="list-style-type: none"> <li>Ambient air quality monitoring results for the period <b>April'19 to Sep'2019</b> is enclosed as under. The location of the monitoring stations is finalized in consultation with GPCB and renowned consultant Sh. B Padmanabh Murthy, Professor of JNU and former Director of IMD Met-Dept.</li> </ul>
iv	Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office at Bhopal and the State Pollution control Board/ Central Pollution Control Board once in six months.	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>Half yearly <b>ambient air quality monitoring report is being regularly submitted to MoEF</b>, our last submission was on 28.05.2019 vide letter no. ACL/EMD/F-16/2019/1055 Ambient air quality monitoring results for the period April'19 to September'19 is enclosed as under.</li> </ul>

Month	Ambient Air Quality Monitoring Results														
	Working Place					Sugala Village					Jagatiya Village				
	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)	PM2.5 (µg/m3)	PM10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Unit >															
April 2019	24.00	50.00	11.40	15.30	BDL	28.00	54.00	12.60	16.70	BDL	22.00	47.00	11.10	15.10	BDL
	30.00	62.00	10.90	14.90	BDL	25.00	49.00	11.60	15.90	BDL	27.00	54.00	12.30	16.20	BDL
May 2019	26.00	53.00	12.60	16.10	BDL	30.00	57.00	11.40	15.80	BDL	24.00	50.00	10.90	14.90	BDL
	28.00	59.00	11.50	15.70	BDL	23.00	47.00	12.60	16.20	BDL	25.00	52.00	11.90	15.40	BDL
June 2019	30.00	56.00	11.90	15.20	BDL	27.00	54.00	12.40	16.10	BDL	26.00	48.00	11.30	15.60	BDL
	30.00	61.00	10.90	14.60	BDL	25.00	52.00	11.40	15.20	BDL	27.00	55.00	10.40	14.90	BDL
July 2019	32.00	58.00	10.90	15.20	BDL	26.00	52.00	11.30	16.60	BDL	24.00	45.00	12.70	17.10	BDL
	28.00	59.00	11.40	15.30	BDL	23.00	50.00	12.60	16.10	BDL	25.00	53.00	11.20	15.50	BDL
Aug. 2019	30.00	56.00	11.30	15.90	BDL	24.00	49.00	10.70	14.70	BDL	22.00	43.00	11.70	15.60	BDL
	30.00	63.00	12.60	15.90	BDL	25.00	54.00	11.90	16.20	BDL	27.00	51.00	11.30	15.40	BDL
Sept. 2019	32.00	58.00	10.90	15.20	BDL	26.00	53.00	12.60	16.70	BDL	24.00	46.00	11.50	15.10	BDL
	32.00	66.00	10.90	14.90	BDL	27.00	57.00	12.60	16.90	BDL	29.00	53.00	12.30	15.50	BDL
Minimum	24.00	50.00	10.90	14.60	BDL	23.00	47.00	10.70	14.70	BDL	22.00	43.00	10.40	14.90	BDL
Maximum	32.00	66.00	12.60	16.10	BDL	30.00	57.00	12.60	16.90	BDL	29.00	55.00	12.70	17.10	BDL
Average	29.33	58.42	11.43	15.35	BDL	25.75	52.33	11.98	16.09	BDL	25.17	49.75	11.55	15.53	BDL

Month	Ambient Air Quality Monitoring Results														
	Chhachhar Village					Nagadala Village					Kansariya Village				
	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)	PM 2.5 (µg/m3)	PM 10 (µg/m3)	SO2 (µg/m3)	NOx (µg/m3)	CO (mg/m3)
Unit >															
April 2019	25.00	47.00	10.80	14.70	BDL	28	50	11.6	16.2	BDL	24	43	12.3	15.8	BDL
	27.00	55.00	11.40	15.70	BDL	24.00	48.00	10.90	16.20	BDL	29.00	51.00	12.60	16.60	BDL
May 2019	27.00	49.00	11.50	14.60	BDL	30.00	52.00	12.40	15.80	BDL	26.00	45.00	11.10	15.20	BDL
	25.00	52.00	11.90	15.50	BDL	22.00	46.00	12.60	16.60	BDL	27.00	49.00	11.40	15.20	BDL
June 2019	29.00	51.00	12.50	15.30	BDL	27.00	48.00	11.70	14.70	BDL	30.00	53.00	10.80	14.20	BDL
	27.00	55.00	12.50	16.20	BDL	24.00	49.00	11.70	15.40	BDL	29.00	53.00	12.20	16.80	BDL
July 2019	27.00	49.00	11.40	14.90	BDL	30.00	53.00	12.40	15.30	BDL	26.00	51.00	12.10	15.10	BDL
	25.00	53.00	11.60	15.70	BDL	22.00	47.00	12.30	16.20	BDL	27.00	50.00	11.90	15.10	BDL
Aug. 2019	25.00	47.00	10.80	15.20	BDL	28.00	50.00	11.50	16.10	BDL	23.00	45.00	12.30	16.40	BDL
	27.00	55.00	12.50	16.30	BDL	24.00	50.00	11.90	15.80	BDL	22.00	46.00	11.20	15.30	BDL
Sept. 2019	27.00	49.00	11.60	14.90	BDL	30.00	52.00	12.30	16.10	BDL	25.00	47.00	11.90	15.80	BDL
	25.00	52.00	11.40	15.30	BDL	26.00	48.00	12.50	16.70	BDL	24.00	50.00	10.90	14.90	BDL
Minimum	25.00	47.00	10.80	14.60	BDL	22.00	46.00	10.90	14.70	BDL	22.00	43.00	10.80	14.20	BDL
Maximum	29.00	55.00	12.50	16.30	BDL	30.00	53.00	12.60	16.70	BDL	30.00	53.00	12.60	16.80	BDL
Average	26.33	51.17	11.66	15.36	BDL	26.25	49.42	11.98	15.93	BDL	26.00	48.58	11.73	15.53	BDL

v	Adequate measures for control of fugitive emissions should be taken during drilling and blasting operations, loading and transportations of minerals etc.	<ul style="list-style-type: none"> <li>Drilling and blasting is not applicable in our case.</li> <li>All other conditions complied</li> </ul>	<ul style="list-style-type: none"> <li>Drilling and blasting is not applicable in our cases as we are using environment friendly Surface Miner machine. On all haul roads regular water sprinkling is being done by water tankers. Monitoring results of Air borne dust survey is enclosed below .All transportation vehicles are equipped with multi cap to transport material in covered condition</li> </ul>
---	---	---	---



#### Air Borne Dust Survey - Sugala Mines (April-2019 Sep-2019)

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-19	14:00-22:00	Inside Cabin	0.37	9-Apr-19	14:00-22:00	Inside Cabin	0.29	10-Apr-19	14:00-22:00	Inside Cabin	0.33
6-May-19	6:00-14:00		0.33	7-May-19	6:00-14:00		0.36	8-May-19	6:00-14:00		0.32
10-Jun-19	14:00-22:00		0.35	11-Jun-19	14:00-22:00		0.32	12-Jun-19	14:00-22:00		0.33
8-Jul-19	6:00-14:00		0.38	9-Jul-19	6:00-14:00		0.36	10-Jul-19	6:00-14:00		0.34
26-Aug-19	14:00-22:00		0.3	27-Aug-19	14:00-22:00		0.29	28-Aug-19	14:00-22:00		0.24
12-Sep-19	6:00-14:00		0.32	13-Sep-19	6:00-14:00		0.28	14-Sep-19	6:00-14:00		0.33


- vi Adequate measures should be taken for control of noise levels below 85 dB (A) in the work environment.
- Complied
  - All the machines are emitting noise well below 85 dB(A). We have deployed loader from LIEBHERR Germany which is the lowest noise generating machine in the world. Result of Ambient noise monitoring as well as HEMM noise monitoring report is attached below:

#### Noise Level of HEMM - Sugala Mines (April-2019 Sep-2019)

Machine	Surface Miner			Loader			Dozer		
Month	Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)		Conditions	Noise Levels (dB)	
		At 5m. distance	At 10m. distance		At 5m. distance	At 10m. distance		At 5m. distance	At 10m. distance
		Leq	Leq		Leq	Leq		Leq	Leq
Apr-19	While dozing the material	72	68	While loading to tipper	70	63	While mining	71	69
May-19		71	68		69	66		72	67
Jun-19		72	67		62	57		75	64
Jul-19		72	68		78	76		75	72
Aug-19		71	67		63	59		69	65
Sep-19		71	67		69	62		70	68

#### Ambient Noise Level Monitoring - Sugala Mines (April-2019 Sep-2019)

Month	Noise Levels in dB(A)									
	Near Surface Miner		Haul road		Mines Office		Sugala Village		Chidivav Village	
	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)	Leq (Day)	Leq (Night)
Apr-19	68	62	66	62	58	52	48	38	50	38
May-19	71	46	67	42	65	46	48	38	51	38
Jun-19	69	47	68	42	67	63	66	58	70	62
Jul-19	69	64	69	67	59	47	46	38	45	38
Aug-19	67	63	69	67	60	46	45	37	45	39
Sep-19	69	65	71	59	62	48	47	39	47	41

<p>vii</p>	<p>Personnel working in dusty areas should wear protective respiratory device and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers should be undertaken periodically to observe any contraction due to exposures of dust and corrective measures, if needed.</p>	<ul style="list-style-type: none"> <li>Complied</li> <li>All personnel working in mines are provided with PPE's i.e. dust masks, safety shoes, safety goggle, Safety Reflective Jacket &amp; Helmet. Occupational health surveillance program of all the workers (Including Third party workmen) are being undertaken every year by our Occupational Health Centre through our AMH Ambuja Multi Hospital. There is no case of any contraction due to exposure of dust in any workmen.</li> <li>They are also provided adequate training and information on safety and health aspects.</li> </ul>
		

Ajahaz arabi Name ARN No. 0021818012 (Mines)

**FORM-M**  
(See Rule 29 D)

**Notice of Initial/periodical medical examination under rule 29 B**

No.

Date: 04/04/2018

Sir/Dr. Ajehaz Arabi Ramo Nature of employment Open Cast serial number from B register 343 Son/Daughter/Wife \* of Ushaba is hereby notified the he/she should present himself/herself for an initial /periodical\* medical examination, under Rule 29B of the Mines Rules, 1925 before \_\_\_\_\_ (given \*\*\* ) (give date) at Amhara Hospital (give time)

Sir/Dr. Ajehaz Arabi Ramo may note that if he/she\* fails, without reasonable cause, to submit himself/herself for the medical examination aforesaid he/she shall not be eligible for appointment/re-appointment in employment in the Mines from State Limestone Mines.

Sir/Dr. Ajehaz Arabi Ramo may further note that he/she\* should bring with him/her\* three unaltered photographs of himself/herself\* and the previous medical certificate in Form O, if any, issued to him/her\* under Rule 29 F.

Signature of Manager

Name: Abraham M. Mog

Designation: Manager

Mines: Amhara

Telephone: 011-2344444

Fax: 011-2344444

E-mail: amhara@amhara.gov.et

Signature: 011-2344444

\* 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.

Ajahaz arabi Name ARN No. 0021818012 (Mines)

**FORM - O**

(See Rule 29 (D) and 29 (J))

**Report of Medical Examination under Rule 29B**

(To be issued in triplicate)

**Certificate No.**

Certificate that Sir/Dr. Ajehaz Arabi Ramo employed as Tipper Operator in State Limestone Mine, Form B No. 343 was examined for an initial/periodical\* medical examination. He/she appears to be 16/05/1992 Years of age. The findings of the examining authority are given in the attached report. It is considered that Sir/Dr. Ajehaz Arabi Ramo

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

(b) is suffering from \_\_\_\_\_ and is medically unfit for:

- (i) any employment in mine; or
- (ii) any employment below ground; or
- (iii) any employment or work.

(c) is suffering from \_\_\_\_\_ and should be again examined within a period of \_\_\_\_\_ months. He/she will appear for re-examination with the result of test of \_\_\_\_\_ and the opinion of \_\_\_\_\_ specialist from \_\_\_\_\_ He/She may be permitted/re-permitted to \_\_\_\_\_ duties during this period.

Name and Designation in Block Letters.

Place:

Date:

\* Delete whatever not applicable.

One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to Manager of the mine concerned by register post, and the third copy shall be sent to the examining authority.

Ajahaz arabi Name ARN No. 0021818012 (Mines)

: 2 :

**REPORT OF THE EXAMINING AUTHORITY**

(To be filled in for every medical examination whether initial or periodical or re-examination or after remission of disability)

Annexure to Certificate No. \_\_\_\_\_ as a result of Medical Examination \_\_\_\_\_

Identification mark:

Left thumb impression of the candidate

1. General development: Good/Fair/Poor

2. Height: 1.6 m Cms. 3. Weight: 55 kg Kgs.

3. Eyes: (i) Visual acuity-Distant vision (with or without glasses)

Right eye: 6/6 Left eye: 6/6

(ii) any organic disease of eye

\* (a) night blindness

\* (iv) colour blindness

\* (v) Squint

\* (To be tested in special cases)

4. Ears: (i) Hearing: Right ear: 80 dB

Left ear: 80 dB

(ii) any organic disease

5. Respiratory system: Chest measurement:

(i) after full inspiration: 80 cm

(ii) after full expiration: 70 cm

6. Circulatory system: Blood pressure: 110/70 mm Hg

Pulse: 70 /min

7. Abdomen: Tenderness: \_\_\_\_\_ Liver: \_\_\_\_\_

Spleen: \_\_\_\_\_

Tumour: \_\_\_\_\_

viii	<p>The fund earmarked for Environmental protection measures should be kept in separate account and not diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment &amp; Forests.</p>	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>We have separate cost centre for environmental expenses and details of capital and recurring expenditure for environmental protection measures are attached below. Expenses incurred against Environment protection for April 2019 to September 2019 is <b>Rs. 44.60 Lakhs.</b></li> </ul>
------	---	--	---

Expenditure incurred in Environment Management Plan - SUGALA		
A. Capital Cost		
S.No	Particulars	Cost
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 Cost ( April'19 to Sep'19)		
S.No	Particulars	Cost
1	Green belt development & Dust suppression	11.41
2	Manpower Cost *	28.51
3	House Keeping	1.75
5	Other Env. Protection (Environmental Monitoring)	1.68
6	Environment Awareness *	1.25
	<b>Total (In Lacs INR)</b>	<b>44.60</b>
* Common for All Plant & Mines		

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year April 2019 to Sept. 2019							
Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp. (Rs. In lakhs)
<b>GUJARAT - Kodinar</b>							
1	Water Resource Mangement & Drinking Water Projects						
	a.Water Resource Development	23.09	--	--	--	--	23.09
	B .Drinking Water Programme	18.70	--	--	2.40	--	21.10
	C. Salinity Prevention (KVV III)	--	--	--	--	--	0.00
2	Agriculture Development( Farm Forestry &Afforestation)	21.31	--	5.09	54.35	70.66	151.41
3	BCI	3.78	--	76.91	7.03	8.33	96.05
4	Krishi Vigyan Kendra (KVK) - Agriculture	2.36	53.22	--	--	--	55.58
5	Health & Sanitation	11.17	--	--	8.12	13.92	33.21
6	Women / Youth Development	6.15	--	--	--	--	6.15
7	Skill and Enterprunership Development Programme	12.24	--	81.00	7.13	--	100.37
8	Integrated Community Development Programme	50.02	--	--	--	--	50.02
9	Co-ordination & Administration Expenses	8.93	--	--	--	--	8.93
10	Non Plan	--	--	--	--	--	0.00
	<b>TOTAL</b>	<b>157.75</b>	<b>53.22</b>	<b>163.00</b>	<b>79.03</b>	<b>92.91</b>	<b>545.91</b>

ix	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated Environmental safeguards. The project authority should send one set of EIA/ EMP report and mining plan to them and extend full co-operation to officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	<ul style="list-style-type: none"> <li>Complied and noted</li> </ul>	<ul style="list-style-type: none"> <li>Point noted. 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>
x	The project authority should inform to the Regional Office located at Bhopal as well as to the Ministry of Environment & Forests 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>Noted and will be complied as &amp; when required.</li> </ul>	<ul style="list-style-type: none"> <li>Point noted. This is an existing and ongoing project.</li> <li>This is a running mine and lease is valid till 01/09/2032 (extended till 01/09/2052) Once we will reach at final phase of mine closure we will intimate to inform to the Regional Office located at Bhopal as well as to the Ministry of Environment &amp; Forests</li> </ul>
xi	The State Pollution Control Board should display a copy of the clearance letter at the Regional Office , District Industry	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>GPCB &amp; District Industrial had complied the condition.</li> </ul>

xii	<p>The Project authorities should advertise at least in two Local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven 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 may also be seen at web site of the Ministry of Environment &amp; Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> and a copy of this ministry at Bhopal.</p>	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>Advertisement was published in two local news papers as attached below. Copy of advertisement has been submitted to MoEF on 25.12.2010 vide letter no. ACL/EMD/F16/2010/55926.</li> </ul>
3	<p>The Ministry or any other competent authority may stipulate any further condition for environmental protection.</p>	<ul style="list-style-type: none"> <li>Noted</li> </ul>	<ul style="list-style-type: none"> <li>Point Noted and any further condition of Ministry and competent authority shall be complied for environment protection.</li> </ul>
4	<p>Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.</p>	<ul style="list-style-type: none"> <li>Noted</li> </ul>	<ul style="list-style-type: none"> <li>Point Noted. All the mentioned conditions are being complied.</li> </ul>
5	<p>The above conditions will be enforced, inter alia, under the provisions of the Water (Prevention &amp; Control of Pollution) Act 1974, the Air (Prevention &amp; Control of Pollution) Act 1981, the Environment (Protection) Act 1986, and the public Liability Insurance Act 1991 along with their amendments and rules.</p>	<ul style="list-style-type: none"> <li>Complied</li> </ul>	<ul style="list-style-type: none"> <li>All mentioned conditions under the provisions of the Water (Prevention &amp; Control of Pollution) Act 1974, the Air (Prevention &amp; Control of Pollution) Act 1981, the Environment (Protection) Act 1986, and the public Liability Insurance Act 1991 along with their amendments and rules are being complied.</li> </ul>



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

**Key Performance Indicators up to Sept. 2019**

Sr. No	Details of Work/activities	Unit	Cummulative up to 2018-19	Achievements during 2019-20 (Sept. 19)	Cummulative up to 2019-20 (Sept. 19)
<b>1A</b>	<b>Water Resources Management and Drinking Water Projects</b>				
	a. Checkdam construction / Renovation	No	222	3	225
	c. Well Recharging / Percolation well	No	1268	0	1268
	d. Ponds Construction / Renovation	No	119	0	119
	e. Link Channels / Canals construction	Km	67.29	0	67.29
	f. Water Storage Tank / Farm Ponds	No	734	0	734
	g. Total surface water harvested	MCM	38.24	0.49	38.73
<b>B</b>	<b>Drinking Water Projects</b>				
	a. RRWHS Construction	No	3909	20	3929
	b. Drinking water wells / Bore wells / Renovation of Saline Wells	No	119	0	119
	c. Overhead / Cistern Tank construction/underground sump	No	25	0	25
	d. Community Based Drinking Water Project	No	58	0	58
<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	11848.66	303.02	12151.68
	No. of farmers covered	No	2580	88	2668
	No of units	No	326	0	326
	No of families		299	0	299
	d. Training & Exposure visits	No	5900	469	6369
	Farmers trained	No	177463	43623	221086
	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	Acre	34677	111698	146375
	- Farmers covered	No	26222	8504	34726
	k. Farmer producer organization	No	1	0	1
	l. No of members	No	1811	0	1811
<b>B</b>	<b>Farm Forestry and Afforestation</b>				
	a. Horticulture Plantation	Acre	12215.075	409.27	12624.345
	No of plants	nos	904112	22086	926198
	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	223	0	223
	Cattles Treated	No	174541	0	174541
	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		10463	0	10463
<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	19	0	19
	h. Village / School Library	No	3	0	3
	i. Village Knowledge Centre / Computer education	No	3	0	3
	j. Adolescent Education Programme	No	4	0	4
	l. Students training / exposure visits	No	157	0	157
	n. Schools benefited	No	52	0	52
	o. No of students benefited under Education Development		8482	0	8482

<b>7</b>	<b>Health and sanitation Programme</b>				
	a. No of camps organised (include all general and speciality health camps)	No	334	10	344
	Patients benefited	No	58669	1915	60584
	b. Villages benefited under mobile & weekly dispensary	No	22	0	22
	Patients treated	No	350102	0	350102
	c. Sakhis (Village Health Functionaries)	No	19	0	19
	d. Villages covered by Sakhis / Patients treated by Sakhis	No	14	0	14
	No of Patients treaded		32828	1324	34152
	e. Khelwadi sessions conducted by Sakhis	No	3611	0	3611
	f. Health intervention trainings done (include trainings of Sakhis / Govt. health functionaries)	No	36	7	43
	Participants in trainings	No	1089	197	1286
	g. Construction of Toilet Blocks / Sulabh Sauchalaya / Soak Pits	No	10900	123	11023
	h. Villages where Total Sanitation Campaign initiated	No	208	13	221
	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 &amp; Rajula</b>				
	a. No of institute	No	2	0	2
	b. No of batches / courses	No	221	25	246
	c. Entrepreneurs trained under SEDI / ITI	No	4348	476	4824
	d. No of trainees placed	No	3554	309	3863
	e. No of trainees persuing (Continuation)			601	601
<b>10</b>	<b>Women and Youth Development</b>				
	a. No of SHG formed	No	600	40	640
	No of members	No	7413	437	7850
	b. Training & Exposure (women)	No	1058	62	1120
	No of participants	No	35888	1822	37710
	c. Training & Exposure (Youth)		81	0	81
	No of participants	No	4823	0	4823
	d. No of Federations Formed	No	1	0	1
<b>11</b>	<b>Rural Infrastructure Development Programme</b>				
	a. Construction of Common Pathways / Village Roads	No / Mtrs	81387.4	1670	83057.4
	b. Street Light installation	No	97	130	227
	c. Drainage construction	Mtrs	1075	0	1075
	d. Crematorium / Ghats construction/ Drinking water facilities	No	31	0	31
	e. Community Centre construction / School classroom	No	119	5	124
	f. Support for Social and Cultural Events	No	300	8	308
	g. House repairing	No	0	0	0
	h. Construction of culverts / bridge	No	9	2	11
	j. Construction of new School/ school repairing	No	3	0	3
	k. No of villages covered	No	69	0	69
	l. const. of compound wall for common area	Rmt	920	140	1060
<b>12</b>	<b>Gir Forest Conservation project</b>				
	a. Construction of Parapet wall around wells to protect wild animals	No	1702	0	1702
<b>13</b>	<b>Krishi Vigyan Kendra - Kodinar</b>				
	a. No of villages covered	No	310	0	310
	b. No of farmers trained	No	120974	2607	123581
	c. No of technology transferred (FLD)	No	229	19	248
	d. No of technology tested (OFT)	No	83	5	88
<b>14</b>	<b>Over all coverage</b>				
	a. No of villages	No	409	101	510
	a. Approx No of People benefited	No	875088	167907	1042995
<b>15</b>	<b>KVY III programmes</b>				
	a. IPM, JNM&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	826	51	877
	Total participant in community safety	No	22365	3232	25597