

REGD. A/D

ACL/EMD/F-16/2017/

29.11.2017

The Director (s),
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-11015/6/2000-IA-II (M) dated 20.06.2002

Sir,

We are pleased to submit herewith half yearly compliance status report (i.e. for the period of April'17 to September'17) 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.

In case of further clarification/information require, we shall be please to provide the same.

Thanking you,

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

Dr. Anand K. Rai
Head-Environment

Encl.: As above.

Copy to:

- 1) Central Pollution Control Board
Privesh Bhavan, Atmajyoti Ashram Rd,
Opp. VMC Ward Office No. 10, Subhanpura,
Vadodara – 390023 (Gujarat)

2) Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10-A, Gandhinagar-382010

3) Regional Officer
Gujarat Pollution Control Board,
Opp. Saint Anne's Church Station Road,
Junagadh.

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

Ministry of Environment & Forests
Regional Office (W), Bhopal
Monitoring Report
Part-I

DATA SHEET

Date: 29.11.2017

- 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 : Sh. Arun Kumar Sharma
Engineer (with pin code & telephone / : Sr. Vice President (Mines),
telex / fax numbers). : 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: Sh. Deepak Dhurde,
/ Manager (with pincode / fax : Manager (Mines),
numbers. : Ambuja Cements Ltd
PO :Ambujanagar , Taluka - Kodinar
District : Gir Somnath (Gujarat)
Pin. : 362715
Tel: 02795-237217
Fax: 02795 - 220328/232032
- 06 Salient features
- a) 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 :
- * Mining operations do not involve drilling and blasting for material rising. Limestone excavation being carried out by Surface Miner & Ripper Dozer
 - * Regular monitoring of environmental parameters is carried out as per the norms evolved by MoEF and IBM.
 - * Preventive maintenance of deployed HEMM being undertaken on regular basis.
 - * Dust suppression by water sprinkling on haul roads and in working area.
 - * Afforestation / Green belt development along haul road near office building and lease periphery is being implemented.
 - * Mined-out areas would be converted to plantation / agri-farm and water reservoirs as envisaged in the mining plan partial reclaiming already done.
 - * Socio-economic improvement measures are being undertaken in the project buffer zone as envisaged.

07 Break up of the project area.

- a) Submergence area (forest & non-forest) : Not applicable

	b) 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 / artisan.	:	There are no houses in the core zone area, hence 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.	:	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. 8.15 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.	:	Rs. 7.11 Crores	
		April-September' 08	Rs. 3.08 Crore
		October'08-March' 09	Rs. 0.07 Crore
		April' 09-September'09	Rs. 0.17 Crore
		October' 09-March'10	Rs. 0.30 Crore
		April' 10-September'10	Rs. 0.30 Crore
		October'10-March'11	Rs. 0.39 Crore
		April' 11-September'11	Rs. 0.26 Crore
		October' 11-March'12	Rs. 0.31 Crore
		April' 12- September'12	Rs. 0.19 Crore
		October' 12-March'13	Rs. 0.22 Crore
		April' 13-September'13	Rs. 0.25 Crore
		October' 13-March'14	Rs. 0.23 Crore
		April' 14-September'14	Rs. 0.26 Crore
		October'14-March'15	Rs. 0.25 Crore
		April' 15-September'15	Rs. 0.22 Crore
		October'15-March'16	Rs. 0.35 Crore
		April'16- September'16	Rs. 0.26 Crore
		October'16- March'17	Rs. 0.33 Crore
		April'17-September'17	Rs. 0.43 Crore

Total = Rs. 8.15 Crore

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 nd November 2002 |
|---|---|-------------------------------|

- b) Date of completion (Actual and / or planned). : Continued
- 13 Reasons for the delay if the project is yet to start. : Not applicable.
- 14 Dates of site visits :
- a) The dates on which the project was monitored by the Regional Office on previous occasions, if any. : 12.10.10 to 13.10.10 by Dr. A. Mehrotra Regional Office, Bhopal
- b) Date of site visit for this monitoring report : 17.08.2016
- 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 30.05.2017 vide letter no.ACL/EMD/F-16/2017.

**Compliance Status of Environment Clearance issued to Sugala
Limestone Mines
vide MoEF Letter No : J-11015/6/2000-IA, II (M) dated 20th June, 2002**

S No.	Condition	Compliance Status
A. Specific Conditions		
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.).	<ul style="list-style-type: none"> 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.
ii	Company should contribute for development of fodder plots in the nearby reserve forests areas.	<ul style="list-style-type: none"> ACL jointly with Forest Dept have developed 9.0 ha. of fodder plot at Sabdharvidi, Jamvala. Photographs with 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. Same is attached as Annexure I
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"> 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. Same is attached as Annexure II
iv	A 250 m wide corridor along the nearest bank of singoda river should be kept undisturbed.	<ul style="list-style-type: none"> Point noted and being Complied. Corridor along the nearest bank of Singoda River has been kept undisturbed. Surface plan is attached as Annexure III showing 250m wide corridor is kept undisturbed.
v	Fencing (other than barbed wire) all around the lease area should be provided.	<ul style="list-style-type: none"> Peripheral fencing of bella stone is provided along the excavated area. Total 6047 meters of brick wall, 20180 meters of barbed wire and Earthen Bunds 29352 meters fencing have been done till September'17.
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"> 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 & Forest.

Compliance Status of Environment Clearance issued to Sugala Limestone Mines

vide MoEF Letter No : J-11015/6/2000-IA, II (M) dated 20th June, 2002

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.	<ul style="list-style-type: none"> Water supply will be provided free of cost to the villagers in case of depletion of water in the wells of nearby villages.
vii	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.	<ul style="list-style-type: none"> 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 Annexure IV
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"> Top soil generated during mining operation is being stacked at designated area and being used for mines reclamation and green belt development.
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.	<ul style="list-style-type: none"> To collect surface run-off and arrest silt and sediment flow from the soil & mineral stacks, garland drains along with settling pond is constructed along the toe of the stacks, ultimately drain water collected into mined out pit. The drains are properly maintained and water so collected is utilized for agri-farming.
x	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	<ul style="list-style-type: none"> Regular interactions are being carried out with agriculture university & forest department for plantation /afforestation. Even forest dept. is using sapling from our nursery for tree plantation. Details of mines reclamation and plantation are

Compliance Status of Environment Clearance issued to Sugala Limestone Mines

vide MoEF Letter No : J-11015/6/2000-IA, II (M) dated 20th June, 2002

	sites etc.	<p>enclosed as Annexure V (A) & V (B).</p> <ul style="list-style-type: none"> Saplings are being provided by local forest department for plantation. Receipt of the same is attached as Annexure V (C).
xi	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.	<ul style="list-style-type: none"> Suggested scheme partly implemented to the mined out blocks, as per approved mining plan /mining scheme. Surface Plan is attached as Annexure III
xii	A detailed mine decommissioning plan should be submitted to the Ministry of Environment & Forests 5 years in advance for approval.	<ul style="list-style-type: none"> 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 & Climate Change 5 years in advance for approval.
xiii	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 (August), post-monsoon (November), and winter (January). Data thus collected should be sent at regular intervals to MoEF & the Central Ground Water Authority.	<ul style="list-style-type: none"> Ground water level & quality monitoring is being done regularly by establishing a network of ground water monitoring stations (existing wells and installing new piezometers). Report is submitted to MoEF regional office Bhopal on six monthly basis. Ground water level & quality monitoring reports are enclosed as Annexure VI.
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"> We carry out digital processing of the entire lease area using remote sensing technique regularly once in every three years. Land use pattern report study is being conducted by Compusense Automation, Ahmadabad. Report has been prepared and will be submitted to MoEF as soon as possible.
xv	Vehicular emissions should be kept under control and regularly monitored.	<ul style="list-style-type: none"> Vehicular emissions are being checked & monitored regularly. Detail of P.U.C certificate by Omkar driving school & P.U.C center (Approved by Government of Gujarat) is enclosed as Annexure VII.

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vide MoEF Letter No : J-11015/6/2000-IA, II (M) dated 20th June, 2002

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.	<ul style="list-style-type: none"> We are following the same mining practices through state of art Surface Miner as proposed in para no. of EC. In case of any change in the mining technology and scope of working, we will take prior approval from Ministry of Environment, Forest & Climate Change.
ii	No change in the calendar plan including excavation, quantum limestone and marl, waste / OB dumps should be made.	<ul style="list-style-type: none"> There is no change in the calendar plan. Production details as per approved mining scheme is attached as Annexure VIII
iii	Five ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RSPM, SO ₂ , NO _x and CO monitoring. Location 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"> Five ambient air quality monitoring stations have been established in core & buffer zone. Ambient air quality monitoring results for the period April'17 to September'17 is enclosed as Annexure IX. 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.
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"> Half yearly ambient air quality monitoring report is being regularly submitted to MoEF, our last submission was on 30.05.2017 vide letter no.ACL/EMD/F-16/2017. Ambient air quality monitoring results for the period April'17 to September'17 is enclosed as Annexure IX.
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"> Environment friendly Surface Miner machine is being used for mining. This has been 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. Monitoring results of Air borne dust survey is enclosed as Annexure X.
vi	Adequate measures should be taken for control of noise levels below 85 dB (A) in	<ul style="list-style-type: none"> All the workers working in high noise areas have been provided with ear

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vide MoEF Letter No : J-11015/6/2000-IA, II (M) dated 20th June, 2002

	the work environment.	plug/ear muffs. Result of Ambient noise monitoring as well as HEMM noise monitoring report is enclosed as Annexure XI & XII.
vii	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.	<ul style="list-style-type: none"> All personnel working in mines are provided with dust masks, safety shoes, safety goggle & Helmet. Occupational health surveillance program of the workers is being undertaken periodically by our Occupational Health Centre.
viii	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 & Forests.	<ul style="list-style-type: none"> Details of capital and recurring expenditure for environmental protection measures are enclosed as Annexure XIII.
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"> Point noted. Full support and co-operation is being extended during the visit of officers from Ministry of Environment & Forest, CPCB as well as GPCB Project was monitored by Dr. A. Mehrotra (Regional Office, Bhopal) during 12.10.10 to 13.10.10.
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"> Point noted.
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"> GPCB is the concern authority for the same.
xii	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 & Forests at	<ul style="list-style-type: none"> Advertisement was published in two local news papers. Copy of advertisement has been submitted to MoEF on 25.12.2010 vide letter no. ACL/EMD/F16/2010/55926.

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	http://envfor.nic.in .and a copy of this ministry at Bhopal.	
3	The Ministry or any other competent authority may stipulate any further condition for environmental protection.	<ul style="list-style-type: none"> Point Noted and any further condition of Ministry and competent authority shall be complied for environment protection.
4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.	<ul style="list-style-type: none"> Point Noted. All the mentioned conditions are being complied.
5	The above conditions will be enforced, inter alia, under the provisions of the Water (Prevention & Control of Pollution) Act 1974, the Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act 1986, and the public Liability Insurance Act 1991 along with their amendments and rules.	<ul style="list-style-type: none"> All mentioned conditions under the provisions of the Water (Prevention & Control of Pollution) Act 1974, the Air (Prevention & Control of Pollution) Act 1981, the Environment (Protection) Act 1986, and the public Liability Insurance Act 1991 along with their amendments and rules are being complied.

Ambuja Cement

Regd. Post

GACL/SCP/'06/5952

03.11.2006

Shri RamKumar,
Dy. Conservator of Forest,
Gir (West Region),
Junagadh (Guj.).

Dear Sir,

Sub : Depositing of funds towards development of Fodder Plot at Sabdharvidi ,
Jamwala.

Ref : Your letter No.K/5/pvu/189-91/ 2006-07 dated 22.05.2006.

This has reference to your above cited letter advising us to deposit Rs.926857/-
(Nine lacs twenty six thousand eight hundred fifty seven only) for the said
purpose . The amount has been deposited in State Bank of Saurashtra , Kodinar
on 26.09.2006. As desired , original copy of the challan is enclosed for your
reference and records.

Thanking you,

Yours faithfully,
For Gujarat Ambuja Cements Ltd.


(S C PARIK) 10/11
General Manager (Mines)

Encl : a/a. In original

✓ OFFICE COPY

Gujarat Ambuja Cements Limited

Regd. Office : P.O.Ambujanagar - 362715, Tal : Kodinar, Dist : Junagadh, Gujarat.
Phone : (02795) 221137, 232009, 280403 Fax : (02795) 220328, 232032 Gram : GUJAMBUJA

ક્રમાંક : ક/પ/પવપ/ ૨૦૦૬-૦૭,
નયન વન સંરક્ષકશ્રીના કચેરી,
ગીર (પશ્ચિમ) વિભાગ, જુનાગઢ
તારીખ : ૨૨/૫/૨૦૦૬.

પ્રતિ,
શ્રી ટી.આર. રાજશેઠર
જનરલ મેનેજર (જી.એ.સી.એલ.),
ગુજરાત અંબુજા લિમિટેડ લી.,
મું. અંબુજા નગર,
તા. કોડીનાર, જિ. જુનાગઢ

વિષય : ડેવલોપમેન્ટ ઓફ ફોડર પ્લોટ ઈન ધ નીયર બાય રીઝર્વ ફોરેસ્ટ એરીયા.

સંદર્ભ : આપના પત્રાંક : જી.એ.સી.એલ./ જી.ઈ.ઓ./ ટી.આર.આર./ ૨૭૮૬૬,
તા. ૮.૧.૨૦૦૫.

મહાશય,

જનરલના સાથે ઉપરોક્ત વિષય અનુસંધાને જણાવવું કે, જોઈન્ટ ડાયરેક્ટરશ્રી, (સેન્ટ્રલ) વન અને
પર્યાવરણ મંત્રાલય, ન્યૂ દિલ્હીના પત્રાંક : જે/૧૧૦૧૫/૬/૨૦૦૦ - આઈ.એ. - II/ (એમ), તા.
૨૦-૬-૨૦૦૨ માં મોકલેલ કોડીનાર ના ૨ મુજબ ફોડર પ્લોટના વિકાસ માટે અત્રેના વન વિભાગનાં મોજે
જામવાળા મુકામે અવેલ લાવવાર વીડી ની સુધારણા કરવા માટે (એમ.ઓ.યુ.) તૈયાર કરવામાં આવેલ છે. જેની
સાથે અત્રેથી મોકલવામાં આવેલ માંસ સુધારણા પ્લાન્ટેશન સ્કીમનાં માળખા મુજબ વર્ષ વાર્ષિક બજેટની
જરૂરીયાત દર્શાવવામાં આવેલ છે. જે મુજબ પ્રથમ વર્ષ થી ચાર વર્ષ માટે તેમજ કન્ટીજન્સી એક્ષપેન્ડીચર સહીત
રૂા. ૮,૨૬,૮૫૭/ અને ત્રીજા વર્ષ દ્વારા છબ્બીસ હજાર આઠસો સતાવન પુરાનું ચલણ તૈયાર કરી પાંચ વર્ષ માટે
મોકલવામાં આવે છે જે ટ્રાંક્ટર ફોરેસ્ટ રેગીટન હેડે ભરપાઈ કરી ચલણની અસલ પ્રત અત્રેને મોકલી આપવા
વિનંતી છે.

સારાંશ : ઉપર મુજબ.

આપનો વિશ્વાસુ,
(રામ કુમાર)
નયન વન સંરક્ષક
ગીર (પશ્ચિમ) વિભાગ, જુનાગઢ

નકલ સાદર હવા : નયન સંરક્ષકશ્રી, વન પ્રાણી વર્તુળ, જુનાગઢ તરફ વિદિત થવા સારું.

મોકલવાના : સર્વે શાખા તરફ જરૂરી જાણ થવા સારું.

Registered Post

GACL/GEO/TRR/05/

February 15, 2005

Shri Ram Kumar,
Dy. Conservator of Forest,
Gir (West Division),
Junagadh.

Dear Sir,

**Sub : Depositing of funds towards development of Fodder Plot at
Sabdharvidi, Jamwala.**

Ref : Your letter No. K/24/JMN/2509/11/2004-05 dtd. 19/1/2005.

This has reference to your above cited letter advising us to deposit Rs.12,99,839/- for the said purpose. The amount has been deposited in State Bank of Saurashtra, Kodinar, on 31/1/2005. As desired, original copy of the Challan is enclosed for your reference. We request you to kindly commence the work at the earliest.

Thanking you,

Yours faithfully,
For Gujarat Ambuja Cements Ltd.


(T R Rajasekhar)
General Manager (Geology)

Encl : a/a.

Cc : Shri Y Raghavendra Rao, Jt. President (M&G), Kalina.

9/c

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24.12.1972

આને-૧૧ સિંગેરી/પટા-સિંગેરી/સ્ટેટ/રિઝર્વ બેંક ઓફ ઈન્ડિયામાં ભરેલી રોકડ રકમનું ચલણ

આણંદ મોડલનારે ભરવાનું

भाषाभा अभवदाहे ३ लिजोरीअ मरघाजू

विशालं सप्त

13062 श्री १३२२

१०२ पृष्ठान् पृथग्वि, १०२१०४

କୃଷ୍ଣ

ਮੰਗੜ ਕੁਲੀਤ ਅਧਿਕਾਰੀ ਸਭਾ

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गरीम ऑर मुक्ति प्रदान

5-B-5

॥ दिवाय ५२५ ॥

21

31 JAN 1954

[ਪ੍ਰਭਾਤ ਸੁਆਮੀ]

विभागा-३

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CA 2319109

ד'לעטונג וואס ווארט אהערמאכט וואס
אין דער צווייטער ווארט.

[illegible]

સરપંચ

નગડલા-સુગાળા જુથ ગ્રા.પં.

વિષય:- ઝાડ કાપવાની પરવાનગી.

પરવાનગી :-

સ્વામી પરવાનગી સ્વામીવામાં સ્વાલેદો કે કોડીનાર લાલુકીના
મીજે - સુગાખા ગામની કૃષી ગુજરાત સંબંધિત રિસર્ચેટ કું.લી. અને પોતાના
નામ સ્વાલેદો જમાન રાતે. નં ૬૮/૨ હે. ૧-૦૪-૭૧ સો.ની માં ઝાડ
ખાખરી-૩ ટોલાયલી સ્વાલેદો-૧ લથા સ્વા. નં. ૨૧/૧૦૪ હે. ૧-૦૬-૦૮ સો.ની
જમાનમાં બાવળ-૨ બેબુલો-૧ લથા સ્વા. નં ૬૬ હે. ૧-૩૬-૬૨ સો.ની
જમાનમાં પિપળા-૨ ટોલાયલી સ્વાલેદો-૩ ખાખરી-૨ લથા સ્વા. નં ૭૭
હે. ૨-૧૪-૪૮ સો.ની જમાનમાં પિપળો-૧ બાવળ-૩ ખાખરી-૧
લથા સ્વા. નં ૧૪૩ હે. ૦-૭૫-૮૮ સો.ની જમાનમાં સ્વાલેદો-૨ સ્વામી
દ્વારા લથા રિપનફાલ ઝાડ સ્વાલેદો છે.

સ્વામી કુલ. ૨૧ (સેકેલીસ) ઝાડ કાપવાની મંજૂરી નિયમોના માર્ગો ને
સ્વાધીન સ્વામીવામાં સ્વાલેદો.

શરતો

- (૧) સ્વરજદારે સ્વા ઝાડ કાપતી વખતે / ખસેડતી વખતે માન્ય ને
બુકશાન કરવું નહિ. તેમજ કોઈને સડમલા નર્મ થાય તેવું કૃત્ય
કરવું નહિ.
- (૨) જેરલાઝાડ કાપવાની કાર્યવાહિ / મંજૂરી સ્વાલેદો છે. તેનાથી બમલા
નવા ઝાડો ઉછેરવાના રહેશે.
- (૩) ઝાડવાઓ ખસેડતી વખતે લમખાલુ / ગ્રામ પંચાયતની નજામિદી
મેળવવાની રહેશે.
- (૪) સ્વા પરવાનગી માત્ર ૧૫ નિયમ મુદ્દી માન્ય રહેશે.

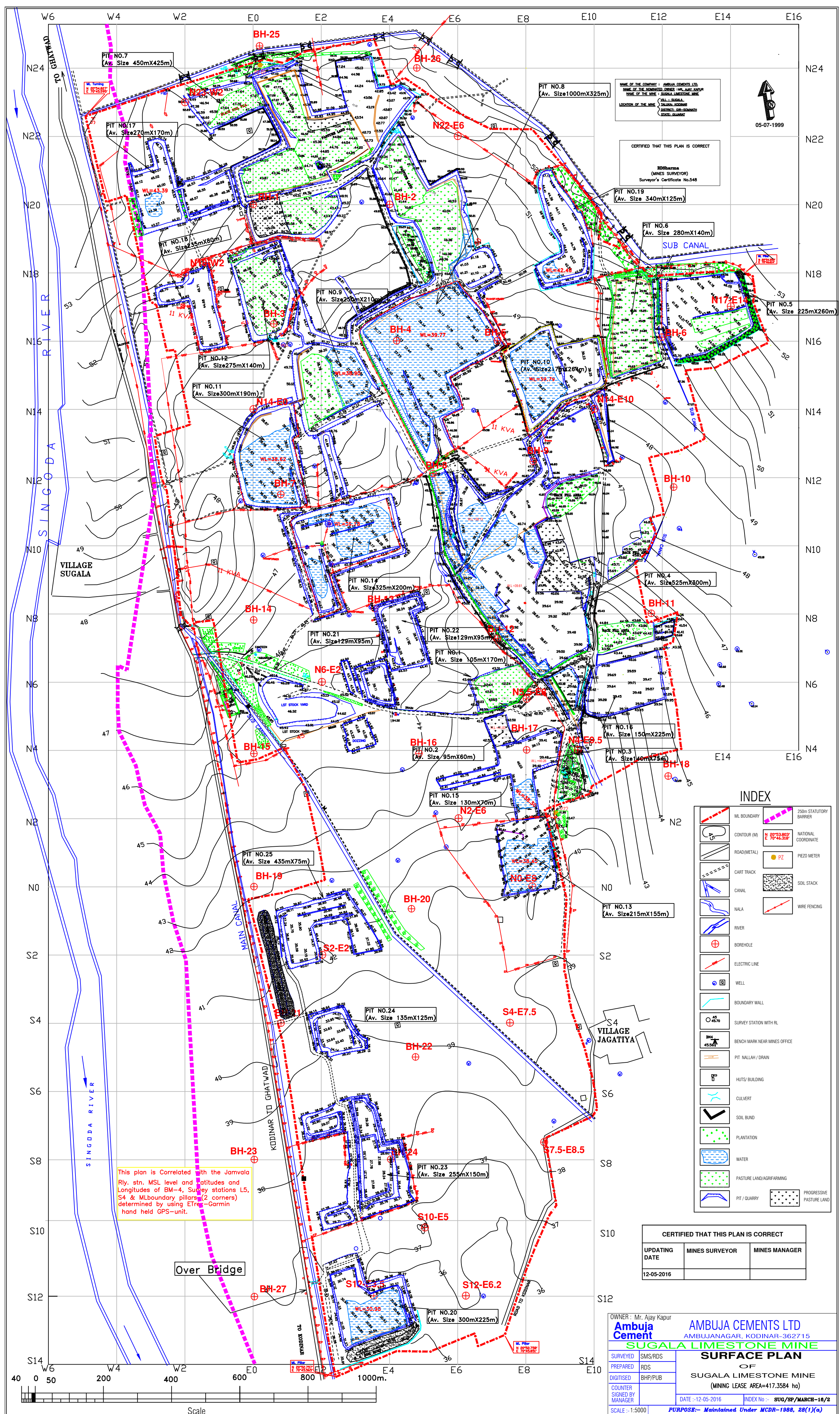


સ્વામીવામાં સ્વાલેદો.

નકલ સ્વામી

(૧) લલાઈ મંજૂરી સુગાખા

(૨) સ્વરજદાર કૃષી ગુજરાત સંબંધિત રિસર્ચેટ લિ. વડનાર



Annexure – IV

Details of Check dams across River Shingoda

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 (Bhekshwar Dam)	Dam , Under construction	Start in 2009	840	35.0

ANNEXURE V (A)

SUGALA MINES Greenbelt & Plantation Details till September 2017				
Total Lease Area (in ha)	Opened up Area (in Ha)	Planted Area (in Ha)	Pasture land (in Ha)	Water Body (in Ha)
417.3584	171.0089	10.0592	31.9664	0



Saplings planted in reclaimed area



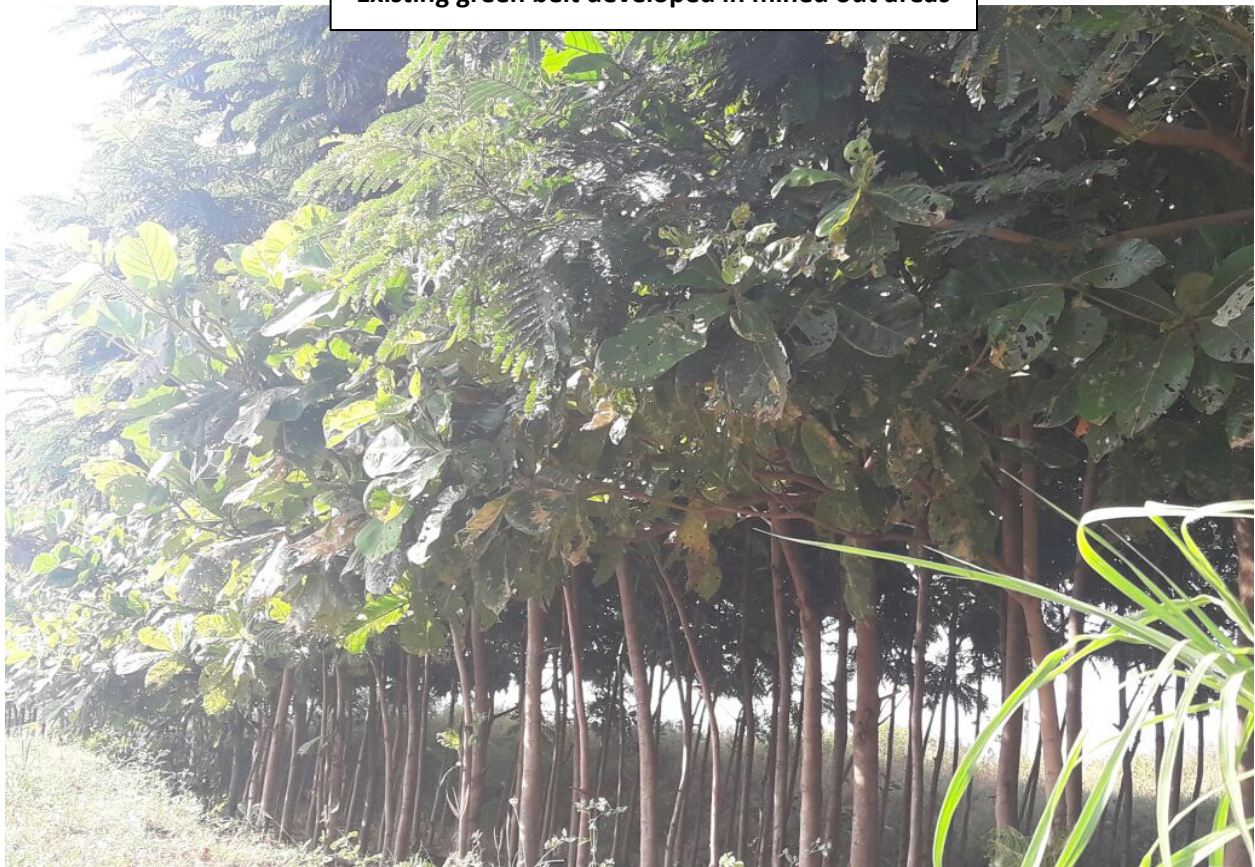


Saplings planted in reclaimed area





Existing green belt developed in mined out areas



G. R. R. D., No. 5377 of 2-6-11 [For, B. R. Art. 105. For Code)

સાંકુલ સમજે
માલિકો (માલિકો) No 419510
રુગાના

વધુ નં. ૧૪

ડિવિઝન

સામ

રહેવાસી

એમની પાસેથી નીચે વિગત બતાવી છે તે મુજબ માલ વેચાણ
આખા બદલ રૂપિયા લીધા.

વિગત

માલ	સંખ્યા	દર	રા.	ન. પેસા	ગ્રેસે
રુગાના નસીરી સફી રંગી રોપા સુલપલી					
નાડો પ્રમાણે રૂઠા					
જીગી	રોપાના	૩૮		૨૬૪	
સાદા	સાદા	૧૦૦૦		૩૦૦૦૦૦	
૩૦x૩૦	૩૦				
૨૦x૩૦	૧૦૫૦	૨૦૦૦		૨૧૦૦૦૦૦	
૧૫x૨૫	૭૦૦	૨૦૦૦		૦૯૦૦૦૦૦	
	૧૭૬૦૦૦			૩૨૦૦૧૦૦	
	૩૧ મે ૧૯૬૨				

મુકામ : રુગાના

તારીખ : ૧૬/૧૧/૬૧


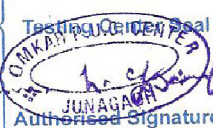
રેન્ડ કમિટી બી.સી.સી.
F.F.E.II 2013



May-17

S.N.	Laboratory Ref.No.	IS 10500:2012 (S.R)		Ground Water Quality Report of Sugala Mines (May-2017)											Piezometers
		Desirable	Permissible	W2	W3	W4	W5	W6	W8	W9	W10	W11	W12	W13	
	TUCW														Bore no-1
	Source			SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA
	Village			KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR
	Taluka			GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH
	District														
1	Color Hazen Units	5	15	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Turbidity NTU	1	5	0.8	0.52	0.42	0.36	0.3	0.32	0.28	0.35	0.38	0.47	0.43	0.49
4	Dissolved Solids mg/l	500	2000	594	1336	584	586	682	700	770	362	322	394	236	490
5	pH	6.5 to 8.5	No Relaxation	7.29	7.36	7.6	7.57	7.7	7.69	7.81	8	8.02	8.08	8.12	8.01
6	Total Hardness (as CaCO ₃) mg/l	200	600	216	464	224	212	220	260	280	176	120	168	88	140
7	Calcium (as Ca mg/l)	75	200	43	93	45	42	44	52	56	35	24	34	18	28
8	Magnesium (as Mg mg/l)	30	100	26	56	27	26	27	2	34	22	15	20	10	17
9	Chlorides (as Cl) mg/l	250	1000	176	480	176	200	240	232	200	72	40	80	40	160
10	Sulphates (as SO ₄) mg/l	200	400	35	75	36	34	36	42	45	29	20	27	14	23
11	Nitrates (as NO ₃) mg/l	45	No Relaxation	58.4	55.2	38.7	18.3	44.8	29.4	25.2	3.7	40.8	25.7	16.4	65.9
12	Fluorides (as F) mg/l	1	1.5	0.9	0.8	1.2	0.71	1.11	1.42	0.7	0.8	1.14	1.2	0.72	0.43
13	Alkalinity (as CaCO ₃) mg/l	200	600	140	212	160	128	184	160	180	200	180	200	124	136

Sep-17

S.N.	Laboratory Ref.No.	IS 10500:2012 (S.R)		Ground Water Quality Report of Sugala Mines (Sep-2017)										Piezometers
		Desirable	Permissible	W2	W3	W4	W6	W8	W9	W10	W11	W13		
	TUCW													Bore no-2
	Source			SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	SUGALA	
	Village			KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	KODINAR	
	Taluka			GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	GIR-SOMNATH	
	District													
1	Color Hazen Units	5	15	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	P Nil	
2	Odour	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	
3	Turbidity NTU	1	5	0.76	0.36	0.34	0.4	0.46	0.3	0.29	0.26	0.36	0.42	
4	Dissolved Solids mg/l	500	2000	572	1266	590	680	710	688	388	348	266	510	
5	pH	6.5 to 8.5	No Relaxation	7.32	7.4	7.62	7.68	7.7	7.78	7.79	8.05	8.1	8.06	
6	Total Hardness (as CaCO ₃) mg/l	200	600	212	432	220	224	256	284	180	124	120	148	
7	Calcium (as Ca mg/l)	75	200	82	86	44	45	51	57	36	25	24	30	
8	Magnesium (as Mg mg/l)	30	100	26	53	27	27	31	34	22	15	15	18	
9	Chlorides (as Cl) mg/l	250	1000	172	464	180	236	240	208	80	52	48	168	
10	Sulphates (as SO ₄) mg/l	200	400	34	70	36	36	41	46	29	20	20	19	
11	Nitrates (as NO ₃) mg/l	45	No Relaxation	44.2	44.8	40.2	43.7	30.2	23.8	4.0	39.2	18.4	68.8	
12	Fluorides (as F) mg/l	1	1.5	0.8	0.76	1.1	1.05	1.38	0.81	0.74	1.1	0.7	0.4	
13	Alkalinity (as CaCO ₃) mg/l	200	600	148	220	168	188	168	188	212	188	132	148	

POLLUTION UNDER CONTROL CERTIFICATE								
(Approved by motor Vehicle Department Government of Gujarat)								
OMKAR DRIVING SCHOOL & P.U.C. CENTER								
5, Bharati Complex, Giriraj Society Main Road, Nr. Bus Station, JUNAGADH. M. 98242 27309								
PUC No.	D085003577	It is certified that this vehicle conforms to the emission level standards Prescribed under rules 115(2) of the Central Motor Vehicles Rules, 1989	Opacity (%)	Kval (l/m)	Idle RPM	Max. RPM	Oil Temp (°C)	
Vehicle No.	GJ-11-Y-5137		01.3	0.03	1425	1745	061	
Make	TATA		2	01.8	0.04	1250	1625	061
Model	TIPER		1989	01.5	0.03	1320	1562	061
Category	6W		4	01.4	0.03	1411	1652	061
Mfg. Year	09/Jan/2008	In case of complaint please write to Commissioner of Transport, Gujarat State, Gandhinagar.	Avg.	01.5	0.01			PASS
Fuel	DIESEL							
Date	Oct 23, 2017							
Time	03:46							
Valid Up To	Apr 22, 2018							
								
Authorised Center Code : 85/D/2005								
આ પી.યુ.સી. સર્ટી પુરૂ થવાની રીન્યુ કરવાનું સરનામું : ઝૂંકાર ડ્રાઇવિંગ સ્કૂલ & પી.યુ.સી. સેન્ટર છેલ્લી તારીખ..... પ-ભારતી કોમ્પ્લેક્સ, ગીરીરાજ સોસાયટી મેઇન રોડ, બસ સ્ટેશન પાસે, જૂનાગઢ. મો. ૯૮૨૪૨ ૨૭૩૦૯								

POLLUTION UNDER CONTROL CERTIFICATE								
(Approved by motor Vehicle Department Government of Gujarat)								
OMKAR DRIVING SCHOOL & P.U.C. CENTER								
5, Bharati Complex, Giriraj Society Main Road, Nr. Bus Station, JUNAGADH. M. 98242 27309								
PUC No.	D085003576	It is certified that this vehicle conforms to the emission level standards Prescribed under rules 115(2) of the Central Motor Vehicles Rules, 1989	Opacity (%)	Kval (l/m)	Idle RPM	Max. RPM	Oil Temp (°C)	
Vehicle No.	GJ-11-Y-5136		02.7	0.06	1425	1874	060	
Make	TATA		2	03.0	0.07	1352	1652	060
Model	TIPER		1989	03.2	0.07	1251	1874	060
Category	6W		4	03.4	0.08	1352	1570	060
Mfg. Year	09/Jan/2008	In case of complaint please write to Commissioner of Transport, Gujarat State, Gandhinagar.	Avg.	03.1	0.07			PASS
Fuel	DIESEL							
Date	Oct 23, 2017							
Time	03:46							
Valid Up To	Apr 22, 2018							
								
Authorised Center Code : 85/D/2005								
આ પી.યુ.સી. સર્ટી પુરૂ થવાની રીન્યુ કરવાનું સરનામું : ઝૂંકાર ડ્રાઇવિંગ સ્કૂલ & પી.યુ.સી. સેન્ટર છેલ્લી તારીખ..... પ-ભારતી કોમ્પ્લેક્સ, ગીરીરાજ સોસાયટી મેઇન રોડ, બસ સ્ટેશન પાસે, જૂનાગઢ. મો. ૯૮૨૪૨ ૨૭૩૦૯								

			Annexure - VIII
Sugala Limestone Mine			
M/s Ambuja Cement Ltd			
Ambujanagar			
Production & Dispatch Details as per approved mining scheme			
Year	Approved Qty	Production	Dispatch
	MT	MT	MT
2012-13	1288796	1252093	1257075
2013-14	1289351	1154738	1218109
2014-15	1281918	1263398	1281714
2015-16	1293529	1274254	1289577
2016-17	1292494	647341	693679

Annexure IX

Ambient Air Quality Monitoring Results
(April 2017 - September 2017)

Month	Ambient Air Quality Monitoring Results																								
	Working Place					Sugala Village					Jagatiya Village					Chhachhar Village					Nagadala Village				
	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO	PM2.5	PM10	SO2	NOx	CO
Unit >	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(µg/m3)	(mg/m3)
April 2017	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	25.00	47.00	10.80	14.70	BDL	28.00	50.00	11.60	16.20	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	27.00	55.00	11.40	15.70	BDL	24.00	48.00	10.90	16.20	BDL
May 2017	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	27.00	49.00	11.50	14.60	BDL	30.00	52.00	12.40	15.80	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	25.00	52.00	11.90	15.50	BDL	22.00	46.00	12.60	16.60	BDL
June 2017	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	29.00	51.00	12.50	15.30	BDL	27.00	48.00	11.70	14.70	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	27.00	55.00	12.50	16.20	BDL	24.00	49.00	11.70	15.40	BDL
July 2017	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	27.00	49.00	11.40	14.90	BDL	30.00	53.00	12.40	15.30	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	25.00	53.00	11.60	15.70	BDL	22.00	47.00	12.30	16.20	BDL
Aug. 2017	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	25.00	47.00	10.80	15.20	BDL	28.00	50.00	11.50	16.10	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	27.00	55.00	12.50	16.30	BDL	24.00	50.00	11.90	15.80	BDL
Sept. 2017	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	27.00	49.00	11.60	14.90	BDL	30.00	52.00	12.30	16.10	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	25.00	52.00	11.40	15.30	BDL	26.00	48.00	12.50	16.70	BDL
Minimum	24.00	50.00	10.90	14.60	0.00	23.00	47.00	10.70	14.70	0.00	22.00	43.00	10.40	14.90	0.00	25.00	47.00	10.80	14.60	0.00	22.00	46.00	10.90	14.70	0.00
Maximum	32.00	66.00	12.60	16.10	0.00	30.00	57.00	12.60	16.90	0.00	29.00	55.00	12.70	17.10	0.00	29.00	55.00	12.50	16.30	0.00	30.00	53.00	12.60	16.70	0.00
Average	29.33	58.42	11.43	15.35	#DIV/0!	25.75	52.33	11.98	16.09	#####	25.17	49.75	11.55	15.53	#DIV/0!	26.33	51.17	11.66	15.36	#####	26.25	49.42	11.98	15.93	#####

Annexure X

Air Borne Dust Survey - Sugala Mines (April 2017 - September 2017)

<i>Machine : Surface Miner</i>				<i>Machine : Dozer</i>				<i>Machine : Loader</i>			
Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)	Date	Period	Location	RSPM (mg/m3)
16-Apr-17	14:00-22:00	Inside Cabin	0.38	17-Apr-17	14:00-22:00	Inside Cabin	0.35	18-Apr-17	14:00-22:00	Inside Cabin	0.32
17-May-17	6:00-14:00		0.34	18-May-17	6:00-14:00		0.36	19-May-17	6:00-14:00		0.31
13-Jun-17	14:00-22:00		0.36	14-Jun-17	14:00-22:00		0.33	15-Jun-17	14:00-22:00		0.34
13-Jul-17	6:00-14:00		0.32	14-Jul-17	6:00-14:00		0.3	15-Jul-17	6:00-14:00		0.29
12-Aug-17	14:00-22:00		0.3	14-Aug-17	14:00-22:00		0.28	15-Aug-17	14:00-22:00		0.27
14-Sep-17	6:00-14:00		0.31	15-Sep-17	6:00-14:00		0.29	16-Sep-17	6:00-14:00		0.32

Annexure - XI

Ambient Noise Level Monitoring - Sugala Mines (April 2017 - September 2017)										
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-17	72	68	67	63	64	58	54	47	49	42
May-17	73	67	69	65	66	59	52	46	48	41
Jun-17	72	69	67	62	65	59	53	48	47	42
Jul-17	71	67	66	61	62	57	54	49	48	43
Aug-17	69	65	64	59	60	55	52	47	46	41
Sep-17	68	64	66	62	59	55	51	47	45	42

Annexure - XII

Noise Level of HEMM - Sugala Mines (April 2017 - September 2017)									
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-17	While dozing the material	72	68	While loading to tipper	70	67	While mining	73	69
May-17	While dozing the material	73	69	While loading to tipper	69	64	While mining	75	69
Jun-17	While dozing the material	74	67	While loading to tipper	68	62	While mining	72	67
Jul-17	While dozing the material	76	71	While loading to tipper	70	64	While mining	74	69
Aug-17	While dozing the material	71	67	While loading to tipper	66	61	While mining	70	65
Sep-17	While dozing the material	70	66	While loading to tipper	65	61	While mining	71	67

(A) Capital Investment for Environmental Monitoring :

(1) Monitoring Equipments	: 37.08 Lakh
(2) Environmental Laboratory	: 10.00 Lakh
(3) Others (Monitoring Van & DG sets)	: 10.00 Lakh

Total : Rs. 57.08 Lakh**(B) Recurring expenditure for the period of April'17 to September'17 :**

(1) Green belt development & dust suppression	: 24.97 Lakh
(2) Manpower Cost*	: 15.15 Lakh
(3) House Keeping	: 1.10 Lakh
(4) Other Env. Protection (Environmental Monitoring)	: 1.25 Lakh
(5) Environmental Awareness*	: 0.95 Lakh

Total : Rs. 43.42 Lakh

*Expenditures are common for all the plants & mines.

**(C) Community Development expenditure by Ambuja : Rs. 718.30 lakh
Cement Foundation****

** Community development expenditure is common for all plant & mines at Ambujanagar for the period of April'17 to September'17. Programme Wise Expenditure Details is as below:

Ambuja Cement Foundation - Ambujanagar							
Details for programme wise expenditure for the year April 2017 to Sept. 2017							
							(Rs. In lakhs)
Sr.No	Programme	ACF - ACL	*Funds received through Government	** Funds from other Donors / Donor Agencies	***People's Contribution	****Direct Funding to Communities	Total Exp.
	GUJARAT - Kodinar						-
1	Water Resource Mangement & Drinking Water Projects						
	a. Water Resource Development	33.55					33.55
	B .Drinking Water Programme	6.28	4.17		64.84	95.76	171.05
	C. Salinity Prevention (KVV III)	7.47		34.49	32.97	43.33	118.26
2	Agriculture Development(Farm Forestry &Afforestation)	7.03	3.08		31.70	47.48	89.29
3	BCI	1.65		33.43	15.98	27.63	78.69
4	Krishi Vigyan Kendra (KVK) - Agriculture	0.18	52.77				52.95
5	Health & Sanitation	3.38			2.84	2.76	8.98
6	Women / Youth Development	3.46					3.46
7	Skill and Enterprunership Development Programme	31.39	10.40				41.79
8	Integrated Community Development Programme	73.21					73.21
9	Co-ordination & Administration Expenses	47.07					47.07
10	Capital Expenditure						0.00
	TOTAL	214.67	70.42	67.92	148.33	216.96	718.30