

MCW / ENV /18 / 2024/

25.11.2024

To,
The Scientist E, IA - (Non-Coal Mining)
The Ministry of Environment & Forest & Climate Change
2nd Floor, Pritivi Block
Jor Bag Road, Aliganj,
New Delhi- 110003

**Sub: Submission of half yearly EC compliance report for Maratha Limestone Mine (ML-II)
for the period of April 2024 to September 2024 by M/s Ambuja Cements Ltd. (Unit:
Maratha Cement Works, Upparwahi), Chandrapur (Maharashtra).**

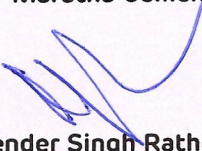
Ref: EC No. J-11015/400/2006 – IA – II (M), Dated 29.06.2007

Dear Sir,

Kindly refer to the above subject matter and referred EC letter; we are submitting herewith six-monthly compliance report for the Period of April 2024 to September 2024 for the various conditions stipulated in above referred EC. We are sending the EC compliance report through email on following address moef@nic.in, monitoring-ec@nic.in, ccb.cpcb@nic.in, mscb.cpcb@nic.in, rochandrapur@mpcb.gov.in, ms@mpcb.gov.in, pratik.cpcb@gov.in, apccfcentral-ngp-mef@gov.in

We hope that you will find this information in order please.

**For Ambuja Cements Ltd.
(Unit- Maratha Cement Works)**


**Mahender Singh Rathore
Unit Head**

Encl:- as above.

Copy :

1. The Member Secretary, Central Pollution Control Board, Survey No. 110, Dhankude Multipurpose Hall (PMC), Near Fab India, Baner Road, Baner, Pune – 410045
2. The Regional Officer, Maharashtra Pollution Control Board, Udyog Bhawan, 1st Floor, Railway Station Road, Chandrapur (MH)
3. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Points, 4th Floor, Matunga Scheme, Road No.8, Opp. Sion Circle, Mumbai.
4. The Regional Director, Ministry of Environment, Forest & CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001

Ambuja Cements Ltd

(Unit – Maratha Cement Works)

At Post : Upparwahi – 442908, Taluka – Korpana, Dist. - Chandrapur (M.S.)

Tel. : 07173 – 240015 to 20. Fax : 07173 – 240025/240009

Registered office: Adani Corporate House, Shantigram, S.G. Highway, Khodiyar, Ahmedabad – 382 421, Gujarat

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CIN: L26942GJ1981PLC004717

**COMPLIANCE STATUS OF ENVIRONMENT CONDITIONS OF
2.0 MILLION TPA LIMESTONE AND 0.2 MILLION TPA SHALE (ML- II)**

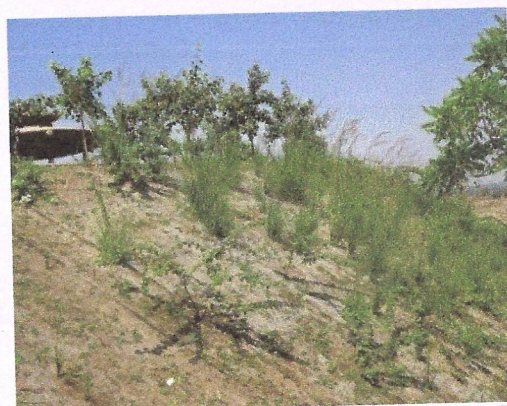
Period from 01.04.2024 to 30.09.2024
(EC No. J-11015/400/2006 – IA – II (M), 29.06.2007) Transfer of EC dated 30.03.2022 in favor of Ambuja
Cement Limited, Maratha Limestone Mine (ML-II)

Date of commencement of Activity : 17/07/2001

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private land	817.39	575.01
Revenue Land	62.92	62.92
Forest Land	Nil	Nil
Others Land	Nil	Nil
TOTAL LAND	880.31	637.93

PRODUCTION CAPACITY						
Name of the Product *	Units	As per EC Granted *	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year (FY 2023-24)
Limestone	Million Ton Per Annum (MTPA)	2.0	2.0	MPCBCONSENT-0000158965/CR/2311001463	31/03/2028	1.659
Shale	Million Ton Per Annum (MTPA)	0.2	0.2	MPCBCONSENT-0000158965/CR/2311001463	31/03/2028	NIL

S N	Condition	Status/Report
A.	Special Condition	
i.	Topsoil, should be stacked properly with proper slope at ear marked site (s) with adequate measures and should be used for reclamation and rehabilitation of mined out area.	Complied. Topsoil stacked properly with proper slope at ear marked site and is being used for reclamation and rehabilitation of mined out area. During the period from 01.04.2024 to 31.10.2024, 2100 m ³ of Topsoil has been generated & till date 449923 m ³ of Topsoil generated & will be utilized for reclamation and rehabilitation of mined out area.



ii. External OB dumps and other wastes should be stacked at earmarked sites only and should not be kept active for long period till its use for backfilling. Toe walls around the waste dumps shall be made to ensure and to prevent erosion and surface runoff. The total height of the dumps shall not exceed 30 m, each stage should preferably be of 10 m. Overall slope of the dump shall not exceed 28° . The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests on six monthly basis.

Complied.

External OB dumps and other wastes are stacked properly and OB dumps are vegetated to prevent erosion and surface runoff. Toe walls around the waste dumps have been made to ensure and to prevent erosion and surface runoff. The total height of the dumps is less than 30 m, each stage is of 10 m. Overall slope of the dump is less than 28° . The OB dumps have been scientifically vegetated with suitable native species to prevent erosion and surface run off.

iii. Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from mine working. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted particularly after monsoon and maintained properly.

Complied.

Catch drains and siltation ponds constructed and the collected water used for watering mine roads and green belt development. Photographs and details are given below for Peripheral bunds, Check dams, Siltation ponds & Garland drains.

Details of Retaining wall, Garland drain, Settling pond and Berns as on 31.03.2024

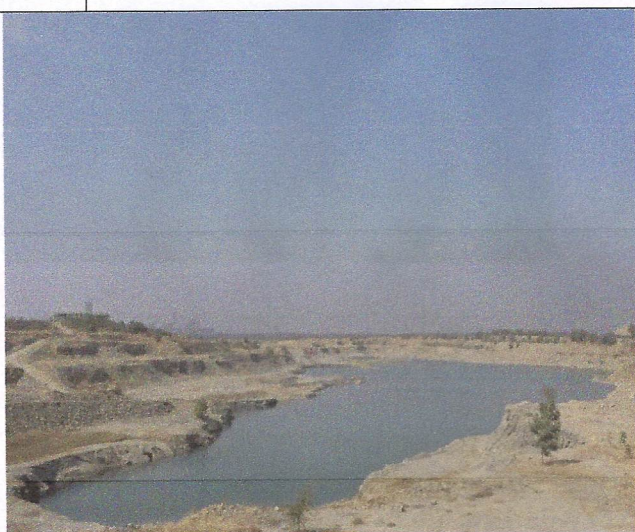
Details of Retaining wall, Garland drain, Settling pond and Berms as on 31.03.2024										
Name of the mine	Area (ha)	Dump Protective measures						Pit Berm		Remark
		Retaining wall construction (Mtrs)		Garland drains (mtrs)		Settling pond (Sq,m)		Berm (Mtrs)		
		Prepared	Cumulative (as on 31.03.2024)	Prepared	Cumulative (as on 31.03.2024)	Prepared	Cumulative (as on 31.03.2024)	Prepared	Cumulative (as on 31.03.2024)	
ML-II	880.31	0	40	0	4694	0	1871	35	7900	Retaining wall, Garland drain & Settling Pond

											:Already made earlier in North-east direction of the lease area & only being maintain in time to time.
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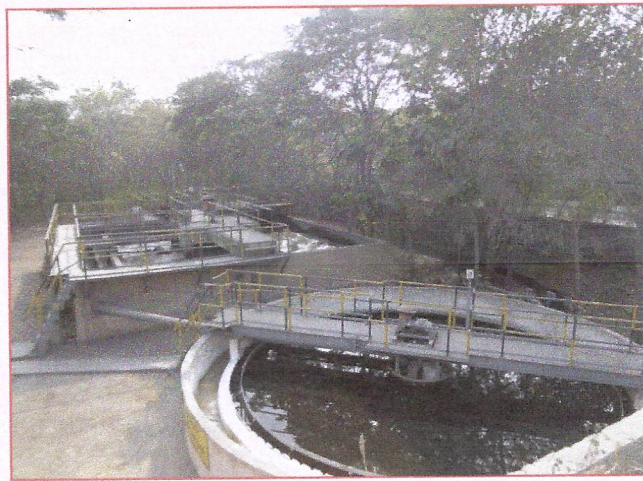
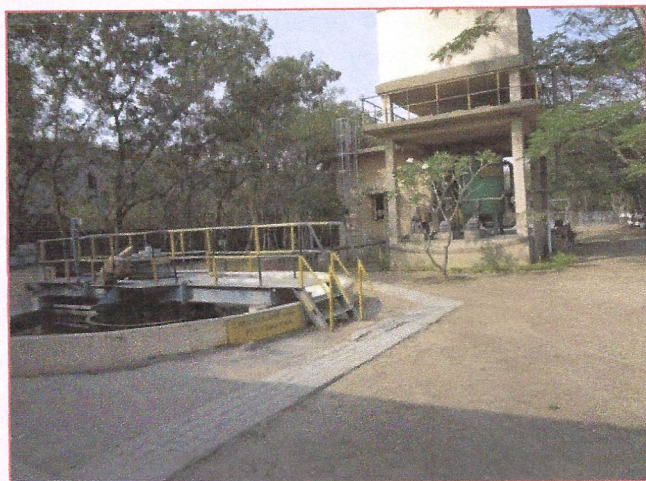
iv.	Garland drain (size, gradient and length) shall be constructed for both mine pit and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and desilted at regular intervals.	<p>Complied.</p> <p>Garland drain of appropriate size and capacity has been constructed along with Siltation pit all along the periphery of the mines. The details of Peripheral bunds, Check dams, Siltation ponds & Garland drains are given above.</p>
v.	Plantation shall be raised in 226.84ha of area along the mine lease area including OB dumps which will be reclaimed by green belt / afforestation in consultation with the local DFO / Agriculture Department around mine lease area etc. The density of the trees should be around 2500 plants per ha.	<p>Complied.</p> <ul style="list-style-type: none"> • Total Lease Area – 880.31 Ha. • Present land position - 189.47 Ha. • Put in use area - 189.47 ha. • 33 % plantation required in put in use area – 62.52 ha. • Till date plantation done-57.27 ha. (30.22 %) • Density of plantation - 2100 nos./ ha.

		<ul style="list-style-type: none"> Remaining plantation 5.25ha will be done for 5years plan periods.
vi.	Conservation plan for engendered fauna, if any in consultation with State Forest Department/CWLW for implementation.	Complied. Wildlife conservation plan has submitted to the DFO office for approval.
vii.	Measures shall be taken to provide chain linked fencing around the mine lease to safeguard from any injury to the wildlife.	Complied.
viii.	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	Complied. MCW has developed rainwater harvesting pits of capacity around 714838 m ³ for ground water augmentation (Photographs is given below). Our CSR wing ACF has constructed 40 No's of Check Dams, 21 No's of Farm Ponds & 3 No's of RRWH structures in the nearby area for rainwater harvesting.



ix.	Drilling and blasting shall be by dust extractors and wet drilling.	Complied. We have 3 nos of Atlas Copco drill machines which are fitted not only with wet drilling
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		system but dust extractor also. We are doing controlled blasting by using NONNEL as Down the Hole as well as trunk line delay connectors.
x.	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new peizometers during the mining operation. The monitoring should be carried out two times in a year - pre-monsoon (April-May), post-monsoon (November) and the data thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Central Ground Water Board.	Complied. Groundwater level and quality regularly monitored, and report submitted to CGWB and MoEF. A copy of latest report submitted enclosed as Annexure – 1 .
xi.	Existing ecological status of the project area shall be conserved and protected. The project proponent should take all possible precautionary measures during mining operation for conservation and protection of endangered fauna (Schedule-I), if any, spotted in the project area. Action plans for the same shall be prepared in consultation with wildlife department along with allocation of funds for this purpose and shall be submitted to R.O of the Ministry at Bhopal	Complied. All necessary measures are being taken for protection of ecological status of the mining area as per the EIA & EMP. There are no endangered fauna & flora (Schedule –I) in the project area. Wildlife conservation plan has been submitted to the DFO for approval.
xii.	Permission from the competent authority should be obtained for drawl of ground water if any, required for the project.	Complied. Permission obtained from competent authority for withdrawals of ground water. We have been accorded water drawl permission from CGWB vide permission no. 21-4/(101)/CR/CGWA/2010-899 Dated 10.12.2019 which is valid upto 10.12.2024.
xiii.	Suitable rainwater harvesting measures on long-term basis shall be planned and implemented in consultation with Regional Director, CGWB.	Complied. MCW has developed rainwater harvesting pits of capacity around 714838 m ³ for ground water augmentation. Our CSR wing ACF has constructed 40 No's of Check Dams, 21 No's of Farm Ponds & 3 No's of RRWH structures in the nearby area for rainwater harvesting.
xiv.	Sewage treatment plant should be installed for the colony. ETP should also be provided for workshop and mineral separation plant wastewater.	Complied. We have installed two no's of STP in colony, each of 500 m ³ /d capacity and treated water is used in plant for cooling purpose. ETP also installed for mines workshop and treated water is recycled back again and there is no discharge from the system.



xv.	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Noted.
B.	<u>General Condition</u>	
i.	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests.	Noted.
ii.	No change in the calendar plan including excavation, quantum of mineral limestone ore and waste shall be made.	Noted.
iii.	Conservation measures for protection of flora and Fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	Complied. All necessary measures are being taken for protection of ecological status of the mining area as per the EIA/EMP.
iv.	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, 502, NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Complied. AAQMS established with approval of MPCB and regular monitoring being done and reports are submitted regularly to MPCB.
v.	Data on ambient air quality (RPM, SPM, 502, NOx) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	Complied. Ambient Air Quality data submitted at regular intervals to the MPCB & Ministry. The summary report on air quality is enclosed as Annexure – 2 .
vi.	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	Complied. To control fugitive emission, we are using Drill machine with inbuilt dust extraction system. Regular water spraying on haul roads and crusher hopper to control the fugitive dust.

Six Monthly Average Values of Fugitive Emission Monitoring
(From April - 2024 to September -2024)

Sr.NO.	Location	SPM in ($\mu\text{g}/\text{M}^3$)	CPCB Standard ($\mu\text{g}/\text{M}^3$)
1	Limestone stockpile area	1003	5000
2	Near Mines Site Office	866	
3	Mines Haul Road	2061	
4	Near Limestone Crusher	1455	

Note :- All the Values are Monthly Average Values.



vii.	Measures shall be taken for control of noise levels in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs / muffs.	Complied. We have done massive plantation around the Mine areas. Regular checking and maintenance carried out for all the heavy mines machineries. We have adopted state of the art blasting technology to control ground level vibration & noise. Necessary PPE's e.g ear plug/muffs have been provided to the persons working in the area.
viii.	Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	Complied. Most of the HEMM are outsourced, and we avoid to vehicle in mine.
ix.	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	Complied. Safety & Environment departments are imparting training program on regular basis to all the workers for the appropriate use of PPE's. PPE's have been provided to all workmen.

x.	Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed	Complied. Occupational health surveillance of all employees and workers is being done at regular intervals as per the guidelines & records are maintained.
xi.	A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Complied. We have established Environment Management Department (EMD) having multi-disciplinary team of professionals and technical staff with vast experience headed by Senior Executive who reports directly to the Plant head.
xii.	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied. The project has been financed through the internal accruals and the same has been approved on April 2007.
xiii.	The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.	Noted and Complied.
xiv.	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Complied. The project has been financed through the internal accruals and the same has been approved on April 2007.
xv.	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Noted.
xvi.	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.	Complied.
xvii.	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.	Complied.
xviii.	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a	Complied. The advertisement was given in two local newspapers i.e Mahavidarbha & Hitavada on 18.07.2007 & 12.07.2007 respectively and the copy of the same was submitted. The details enclosed as Annexure -3.

	copy of the same shall be forwarded to the Regional Office of this Ministry located Bhopal.	
5.	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted.
6.	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
7.	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.	Noted.

MCW/ENV/08/2024/ 648

Date: 18.11.2024

To,
The Director (Non-Coal Mine)
Ministry of Environment & Forest & CC
Regional Office (WCZ), Ground Floor
East Wing, New Secretariat Building,
Civil Line, Nagpur-440001

Sub: Submission of Ground Water Level & Quality report for Post Monsoon Season (Nov 2024) by Ambuja Cement Ltd., Maratha Cement Works.

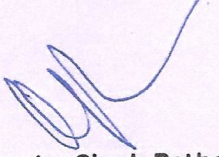
Ref: As per specific Condition of the following EC

1. EC NO. J-11015/399/2006-IA II(M) dtd 29.06.2007
2. EC NO. J-11015/400/2006-IA II(M) dtd 29.06.2007

Dear Sir,
Please find enclosed herewith the Post Monsoon Season (Nov 2024) Ground Water Level & Quality data of surrounding area of Maratha Limestone mines. This is as per the specific condition no (x) of above referred EC no 1 & 2.

We hope that you will find this information in order please.

For, **Ambuja Cements Ltd.**
(Unit: Maratha Cement Works.)


Mahender Singh Rathore
Chief Operations Manager

Copy:

- (1) The Member Secretary, Central Ground Water Authority, Ministry of Jal Shakti, CSMRS Campus, Olof Palme Marg, Hauz Khas, New Delhi-110016.
- (2) The Regional Director, Central Ground Water Board, N.S. Building, Civil Lines, Nagpur-440001 (Maharashtra)

Ambuja Cements Ltd

(Unit – Maratha Cement Works)

At Post : Upparwahi – 442908, Taluka – Korpana, Dist. - Chandrapur (M.S.)
Tel. : 07173 – 240015 to 20. Fax : 07173 – 240025/240009

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Ph +91 79-2555 5555, www.ambujacement.com
CIN: L26942GJ1981PLC004717

Ambuja Cements Ltd.
 (Unit: - Maratha Cement Works, Upparwahi)
Air Quality Monitoring Results
For Captive Limestone Mines, Cement Plant and Captive Power Plant
Six Monthly Average Values of Ambient Air Quality
(From April 2024 to Septemeber 2024)

SN	Months	Ambient Air Quality Results ($\mu\text{g}/\text{m}^3$)															
		House (L- Type)				Near Bachelor Accommodation				L.S. Crusher				Near magazine Section			
		PM2.5	PM10	Sox	Nox	PM2.5	PM10	Sox	Nox	PM2.5	PM10	Sox	Nox	PM2.5	PM10	Sox	Nox
1	April, 2024	34.28	70.16	9.24	14.28	33.21	70.67	9.17	14.17	35.06	75.08	8.84	16.75	27.9	52.32	9.15	15.25
2	May, 2024	32.45	74.07	8.33	14.48	38.26	77.61	8.84	15.41	35.54	76.7	8.66	15.15	27.9	58.74	8.09	14.5
3	June, 2024	36.08	73.83	8.24	13.56	32.16	75.22	8.92	15.22	30.98	73.17	8.06	13.2	29.6	66.38	8.24	14.58
4	July, 2024	25.74	60.57	8.06	12.92	23.52	61.86	8.13	13.23	25.22	63.54	8.02	13.47	21.35	55.62	7.69	15.37
5	August, 2024	23.32	52.85	8.22	12.80	27.33	53.98	8.22	12.73	25.6	57.56	8.33	13.9	18.36	43.51	7.1	12.02
6	Sept, 2024	24.57	60.91	8.3	14.1	28.22	59.7	8.5	13.52	29.12	63.12	8.33	14.12	24.42	56.12	7.76	12.3
														PM2.5	PM10	Sox	Nox
														81.3	36.48	9.25	15.78
														35.12	84.4	8.34	16.64
														33.36	79	8.77	15.83
														26.64	65.24	8.54	14.13
														24.77	56.88	8.48	11.37
														30.42	63.05	8.29	14.26

Note: - All the values are Monthly Average Values.

Marathā Limestone Mines.

ML-II

PUBLIC NOTICE **AMBUJA CEMENTS LTD.**

(Unit-Maratha Cement Works)
Bhendvi/ Upparwahi, Rajura/ Korpana
Dist. Chandrapur (M.S) 442908

This is to inform all that M/s Ambuja Cements Ltd. (Unit-Maratha Cement Works) have received the Environmental Clearance from Ministry of Environment & Forests (MoEF) for capacity expansion of Maratha Limestone Mines (ML II, 880.31 Ha) to achieve a limestone production capacity of 2.0 million tonnes per annum.

A copy of environmental clearance is available with Maharashtra Pollution Control Board and also in the MoEF website at <http://envfor.nic.in>

President
Maratha Cement Works

THE HITAVADA 12.07.07

Ambuja
Cement

जाहीर सुचना

सर्वांना हे सुचित करण्यांत येत आहे की मे. अंबुजा सिमेंटस् लि. (युनिट-मराठा सिमेंट वर्क्स) ला पर्यावरण व वन मंत्रालयाकडून २.० दशलक्ष टन प्रती वर्ष चुनखडी उत्पादन प्राप्त करण्याकरीता मराठा लाईमस्टोन माईन्सची (ML II, 880.31 Ha) क्षमता वाढविण्याकरीता पर्यावरणसंबंधी परवानगी मिळालेली आहे. परवानगीची प्रत महाराष्ट्र राज्य प्रदूषण मंडळाकडे व xxxxxxxxxxxxxxxx पर्यावरण व मंत्रालयाची वेबसाईट <http://envfor.nic.in> वर उपलब्ध आहे.

अध्यक्ष
मराठा सिमेंट वर्क्स

MAHAVIDARBHA 18.07.2007.