



UTCL/ENV/KOT/Env.Statement/2011-12/337

Date: 22/9/2011

To,
The Member Secretary
Rajasthan Pollution Control Board
4, Institutional Area, Jhalana Doongari
JAIPUR-302 004 (Rajasthan)

Sub: - Environmental Statement Report of Mohanpura-Jodhpura Limestone Mine (ML Area- 548.78 hect) for the period of April 2010 to March 2011 by M/s UltraTech Cement Limited (Unit- Kotputli Cement Works).

Ref: - Consent to Operate Letter No. F (Mines)/Jaipur (Kotputli)/8(1)/2008-09/4134-4138 & Order no. 2011-2012/Mines/1165 dated 06/09/2011.

Dear Sir,


This has with reference to above subject matter, we are submitting herewith the Environmental Statement Report for the period of April, 2010 to March, 2011 of our Mohanpura-Jodhpura Limestone Mine (A Captive Limestone Mine of M/s UltraTech Cement Ltd), situated near village Mohanpura, Tehsil: Kotputli, Distt: Jaipur (Rajasthan).

We hope you will find the above in order.

Thanking you,

Yours faithfully,

**For UltraTech Cement Limited,
(Unit- Kotputli Cement Works)**


(Vivek Khosla)
AVP(Mines)

Encl: As above.

Copy to: -
The Regional Officer, Rajasthan State Pollution Control Board, Opp Road no. 5, VKI Area, Sikar Road, Jaipur - 302 013 (Rajasthan).

UltraTech Cement Ltd.

(Unit : Kotputli Cement Works)

FACTORY : Village - Mohanpura, Tehsil - Kotputli, Distt. Jaipur - 303 108, Tel / Fax : 01421 - 288664 / 288665
JAIPUR OFFICE : 505, 5th Floor, Sanghi Upasana Tower, C-98, Subhash Marg, C-Scheme, Jaipur - 302 001, Tel. : 0141 - 2378979/80/81
MUMBAI OFFICE : Ahura Centre, 1st Floor, Mahakali Caves Road, Andheri (E), Mumbai - 400 093, Tel. : 022 - 66917400, Fax : 022 - 28244960 / 70
REGISTERED OFFICE : Ultratech Cement Ltd., 'B' Wing, Second Floor, Ahura Centre, Mahakali Caves Road, Andheri (East), Mumbai - 400 093

ENVIRONMENTAL STATEMENT
FORM-V
(See Rule 14)

Environmental Statement for the financial year ending the 31st March 2011

PART – A

1	Name and address of the owner / occupier of the industry operation or process.	<u>Occupier:</u> UltraTech Cement Limited (Unit- Kotputli Cement Works) Village- Mohanpura, Tehsil- Kotputli, Distt: Jaipur-303 108 (Raj.)
2	Industry Category Primary - (STC Code) Secondary - (SIC Code)	Red Category
3	Production Capacity	6.0 MTPA Limestone
4	Year of Establishment.	1/11/2007
5	Date of the last Environmental Statement submitted	24/09/2010

PART – B

Water and Raw Material Consumption

Water consumption m ³ /d		
Process	(Mining activities)	75 m ³ /day
Cooling		
Domestic		5 m ³ /day

1. Water Consumption:

Name of Products	Process water consumption per unit of product output (KL / MT of Limestone)	
	During Previous Financial Year (2009-10)	During Current Financial Year (2010-11)
Mining of Limestone	0.003	0.009

2. Raw Material Consumption:

During Previous Financial Year	During Current Financial Year
Not Applicable	

3. Power Consumption (KWH/T of Limestone) :

During Previous Financial Year (2009-10)	During Current Financial Year (2010-11)
1.82	1.67

4. Total Limestone Production (in Lac Tones):

During Previous Financial Year (2009-10)	During Current Financial Year (2010-11)
Production – 25.02 Despatch - 17.49	Production – 31.00 Despatch - 31.65

PART – C

Discharged to Environment / Unit of Output

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharges (mass /volume)	Prevent age of variation from prescribed standards with
(a) Water	<ul style="list-style-type: none"> • No trade effluent discharge. • Domestic waste water from the mine office is being disposed off in soak pit via septic tank. • Waste water from mine workshop recycled / re-utilized for washing of vehicles after separating oil & grease traces by passing through up flow filter/ oil & grease trap. • The treated water of 75 m³/day from power plant gainfully reutilized for dust suppression purpose. 	N.A	N.A
(b) Air (AAQ)		Result	Prescribed Limit
PM ₁₀	-	54 µg/m ³	60 µg/m ³ (annual average)
PM _{2.5}	-	36 µg/m ³	40 µg/m ³ (annual average)
SO ₂	-	12 µg/m ³	50 µg/m ³ (annual average)
NO ₂	-	15 µg/m ³	40 µg/m ³ (annual average)
(c) Noise		Result	Prescribed Limit
Day time	-	65 dB(A)Leq	75 dB(A)Leq day time
Night time	-	45 dB(A)Leq	70 dB(A)Leq night time

PART – D

HAZARDOUS WASTES

As specified under Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.

Hazardous Waste	Total Quantity (Kg.)	
	During the previous financial year (2009-10)	During the current financial year (2010-11)
(a) From process	11800 Liters used oil	12800 Liters used oil
(b) From pollution control facilities	N.A	N.A

PART – E

SOLID WASTES

		Total Quantity	
		During the previous financial year (2009-10)	During the current financial year (2010-11)
(a)	From process	Not Applicable	
(b)	From pollution control facility	Not Applicable	
(c)	(1) Quantity recycled or re-utilized within the unit	Not Applicable	
	(2) Sold	Not Applicable	
	(3) Disposed: During mining of limestone disposed of overburden. (in Lac tones) *	7.99	10.42

* Overburden is being dumped in overburden dump yard.

PART – F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes: -

Solid Waste: Solid waste from the mine is overburden (soil & waste rock). It is being handled by shovel & dumper combination from mine working faces and dumped systematically at earmarked overburden dump yard. The total overburden generated from the period April 2010 to March 2011 was 10.42 Lac Tonnes.

Hazardous Waste: Hazardous waste as used oil generating from mining machinery /equipments, is being sell out to the CPCB authorized recycler M/s Bharat Industrial Oil Company, VKI Area, Jaipur (Rajasthan). We are having common authorization of hazardous waste for cement plant, power plant and mines. 12800 Liter used oil generated from mines during the year 2010-11.

PART - G

In respect of the pollution abatement measures taken up on conservation of natural resources and on the cost of production: -

---- Not Applicable ----

PART – H

Additional measures / investment proposal for environment protection including abatement & prevention of pollution: -

1. Green belt development and tree plantation is our ongoing process. Every year we are growing new plantation. 17255 no's saplings have been planted with in the lease area. 9255 no's of saplings planted during the year 2010-11.
2. Water sprinkling on haul roads to suppress the fugitive dust emission.
3. Fully mechanized mining operation.
4. All the mining machinery deployed at mines is equipped with latest technology having less emission.
5. Use of in built eco-friendly system in HEMM in mining like vaporized water injection in drilling machine & sound/ dust proof AC cabins.
6. Controlled blasting with shock tube detonator i.e. True Bottom Priming. & Use of Rock breaker for avoiding the blasting.
7. Use of high capacity excavators and dumpers combination for material handling in mining.
8. Rain Water Harvesting System developed at mines, plant, colony and nearby areas by constructing artificial recharge structures for augmentation of ground water resources.
9. Implemented ISO 14001:2004 for Environment Management System


PART – I

Any other particular for improving the quality of the environment: -

1. Using wet drilling system/dust extractor provided with ROC – L6 drill machine while drilling the blast hole.
2. Regular water spraying is being carried out on haul road, near loading places & crusher hopper including material transfer point for effective dust suppression.
3. Blasting is being done by using of shock tube detonators (Down line detonators in combination of Noise less trunk line detonators) which is latest technology available, resulting in reduction of noise level and ground vibration to a great extent.
4. Using Rock breaker for breaking of oversize boulders instead of secondary blasting which eliminated vibration, noise and fly rocks.

5. Providing all personal protective equipments (PPE's) i.e. Dust Masks (Respirator), Ear Plug, Eye Goggle etc to all Mine Employee concern to them as additional measures of air & noise control.
6. Established environment management cell under the control of senior executives to carry out implementation of environmental protection measures as envisaged in the EIA/EMP.
7. "Aditya Birla Centre for Community Initiative and Rural Development" is taking care for social welfare including eco-developmental activities in the nearby villages.
8. Working with best practices for better house keeping, assist in control of pollution, energy conservation, waste water utilization etc. for conservation of natural resources.

For UltraTech Cement Ltd.


Authorised Signatory