

**INDIAN BUREAU OF MINES  
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

**MCDR INSPECTION REPORT**

**Chennai regional office**

**Mine file No : TN/ALR/Lst-3/Mds**

**Mine code : 38TMN38012**

- (i) Name of the Inspecting : (R006 ) T K RATH  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : G.Jayavelu, Manager (Mines)  
Official with  
Designation
- (iv) Date of Inspection : 17-JAN-14
- (v) Prev.inspection date : 28-AUG-11

**PART-I : GENERAL INFORMATION**

- 1. (a) **Mine Name** : **ALANTHURAIKATTALAI-4557**
- (b) Category : A Fully Mechani
- (c) Type of Working : Opencast
- (d) Postal address :  
State : TAMIL NADU  
District : ARIYALUR  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : 04329 - 220212 / 249253  
E-mail : devanand.m@adityabirla.com  
Phone : 04329 - 249240 - 49 / 2492
- (e) Police Station :
- (f) First opening date : 01-APR-10
- 2. Address for : REDDIPALAYAM CEMENT WORKS  
correspondance : ULTRATECH CEMENT LTD.  
REDDIPALAYAM, ARIYALUR
- 3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
- 4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : ULTRATECH CEMENT LIMITED  
 POST-REDDIPALAYAM, TEHSIL-  
 ARIYALUR ARIYALUR TAMIL  
 NADU  
 Phone:  
 FAX :

Owner : V. T. MOORTHY  
 OXFORD CENTRE, 1st FLOOR,  
 No. 66, Sir C. P. RAMASAMY  
 ROAD, ALWARPET CHENNAI CITY  
 TAMIL NADU  
 Phone:  
 FAX :

Agent : S.NATARAJAN  
 GRASIM INDUSTRIES LTD  
 REDDIPALAYAM POST ARIYALUR,  
 PERAMBALUR DIST PERAMBALUR  
 TAMIL NADU  
 Phone:  
 FAX :

Manager	
Name	: K. SENDIL KUMAR
Qualification	: B.E. (Mining) with FCC
Appointment date	: 30-APR-11

6. Date of approval of Mining Plan/Scheme of Mining : 04-MAY-07

## PART - II : TECHNICAL DETAILS/COMMENTS

## 1. Details about Average employment :

Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
<b>DIRECT</b>		
Managerial	1	305
Supervisory	7	305
<b>CONTRACT</b>		
Workers	11	305
Others	2	305

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
Others		3.24			
Housing		14.50			
Health		2.03			
Employment		1.20			
<b>TOTAL</b>		<b>20.97</b>			

**3. Write up on the status of additional prospecting/exploration including progressive improvement since last inspection.**

No additional exploration has been proposed and carried out.

<u>RESERVE POSITION AS ON 01/04/2013</u>		
<b>LIMESTONE</b>		
Category	Quantity in Tonnes	Grade
Proved	4700000	
Probable		
Possible		
Total	4700000	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
LIMESTONE	0	TON

<u>Exploration data as on 31/03/2013</u>		
No. of Boreholes	No. of Pits	No. of Trenches
0	0	0

<u>OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013</u>	
Overburden/waste removed (in m3) :	339000

**4. Assessment of mine development in respect of progressive improvement in scientific development of mine.**

Development is carried out systematically as per the proposals made in approved mining plan.

<u>PIT/UNDERGROUND DEVELOPMENT</u>			
(In meters)			
<b>Pit No. : 1</b>			
Pit size : 320mx250mx15m	Max. Depth : 15	Overall slope angle : 45	
	No. of benches	Average height	Average width
Overburden ->	1	3	10
Minerals ->	2	6	10

**5. Describe briefly method of mining highlighting scientific changes in the methodology of mining observed leading to over all improvement.**

Method of mining is by conventional system of mining, i.e, open cast mining with out drilling and blasting. Rock brakers are used as and when required. There is a bench in topsoil and over burden each having 2m -2.5m height. The height of benches is maintained at 6m. The width of the bench is maintained higher than the height of the bench.

**6. Brief description of processing/beneficiation of mineral highlighting the progressive improvement.**

No beneficiation process is in practice .

7. **Hightlight of efforts made for conservation of mineral with reference to judicious exploitation of mineral deposit as well as utilisation of low grade mineral/mineral rejects and its stacking/preservation for use in future.**

No generation of sub grade minerals .

<u>Utilisation of Sub Grade Mineral and Mineral Rejects</u>			
Generated	Utilised	Stacked	(In Ton.)

8. **Hightlight of efforts made towards reclamation and rehabilitation of land degraded and progress made thereof.**

No reclamation and rehabilitation is planned as mining is commenced in 2009 and production reported in the year 2012-13.

9. **Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.**

Regular environment monitoring is being carried out in the mine. Air quality is being monitored surrounding villages mines falling in buffer zone. All the parameters of ambient Air ie SPM,RPM,SO2, NOX,,CO are with in the permissable limits.

<u>Water Management</u>					
Season	Station type	Station name	Parameter	Value	
				Actual	Excess

<u>Air data for excess parameters</u>					
Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR 2012 - 2013</u>	
	Area in Hect.

<u>TOP SOIL MANAGEMENT</u>
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Quantity as on 31/03/2013

10. **Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.**

The violation of rule 13(1),32 of MCDR -1988,observed during last inspection were found to be complied and during the current inspection rule 12(3) and 27(4) of MCDR1988 are are found violated and communicated to lessee on 17.2.2014.

11. **A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 19888, if recommended.**

Not applicable at this stage.

**12. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.**

The annual return has been scrutinised and the same is found to be in order.

**PART - III : PERFORMANCE OF MINE OWNER**

(In case of lease expiring within 2 years - as per guidelines)

Not applicable .The leases is expiring in the year 2029.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

NIL

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

Indian Bureau of Mines

NIL

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

NIL

(T K RATH)

Date :

Regional Controller Mines