

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/PT/LST-12.MDS

Mine code : 38TMN24035

- (i) Name of the Inspecting : (R006) T K RATH
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Ajmal Ahmad, AGM(Mines)
Official with
Designation
- (iv) Date of Inspection : 18/01/2014
- (v) Prev.inspection date : 15/05/2012

PART-I : GENERAL INFORMATION

- 1. (a) **Mine Name** : **KATTUPIRINGIUM(44.58HA)**
- (b) Category : A Fully Mechani
- (c) Type of Working : Opencast
- (d) Postal address :
State : TAMIL NADU
District : PERAMBALUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 04329-226005
E-mail : ravichandran@madrascements
Phone : 04329-226001
- (e) Police Station : ARIYALUR
- (f) First opening date : 01/07/2002
- 2. Address for : MADRAS CEMENT LIMITED
correspondance : AURAS CORPORATE CENTRE, V FLOOR
98-A, RADHAKRISHNAN ROAD, MYLAPORE CHENNAI- 4
- 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 : MADRAS CEMENTS LIMITED
 Auras Corporate Center Vth
 Floor, 98 A Dr.Radha
 Krishnan salai, Mylapore
 CHENNAI CITY TAMIL NADU
 Phone:044-28478666
 FAX :044-28478676

Owner : P.R.RAMA SUBRAMANYA RAJA
 AURAS CORPORATE CENTRE
 VFLOOR,98A,RADAKRISHNAN R
 MYLAPORE,CHENNAI CHENNAI
 CITY TAMIL NADU
 Phone: 044-8555815
 FAX : 044-830248

Agent : C. RAVICHANDRAN
 GENERAL MANAGER (Adm)
 MADRAS CEMENTS LTD,
 GOVINDAPURAM WORKS,
 SENDURAI ROAD ARIYALUR
 TAMIL NADU
 Phone: 04329-226001
 FAX : 04329-226005

Manager Name : N AJMAL AHMED NOOR AHMED Qualification : BE(MINING) Appointment : date

6. Date of approval of Mining : 19/04/2005
 Plan/Scheme of Mining

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
DIRECT		
Managerial	2	330
Workers	1	330
Supervisory	4	330
CONTRACT		
Workers	15	330

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	
Medical facility		0.02			
Sanitation		0.07			
Training		13.63			
Sports activities		0.10			
Others		2.80			
TOTAL		16.62			

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

No additional exploration is proposed. The entire lease area has been explored by making 12 bore holes by mining plan period with 200mX200m grid interval.

<u>RESERVE POSITION AS ON 01/04/2013</u>		
LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	2130000	
Probable	6380000	
Possible		
Total	8510000	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
LIMESTONE	433573	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) :	86796

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 scheme of mining.

<u>PIT/UNDERGROUND DEVELOPMENT</u>			
(In meters)			
Pit No. : 1			
Pit size : 330mX260mX36m	Max. Depth : 36	Overall slope angle :	
	No. of benches	Average height	Average width
Overburden ->	3	2	10
Minerals ->	4	6	10
Pit No. : 2			
Pit size : 250mX140mX16m	Max. Depth : 16	Overall slope angle :	
	No. of benches	Average height	Average width
Overburden ->	1	6	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 by carrying out deep hole drilling and blasting. The height of benches is maintained at 7.5m. The width of the bench is always 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.

Entire ROM mine limestone sent to cement plant and no generation of sub grade mineral.

Utilisation of Sub Grade Mineral and Mineral Rejects

<u>Generated</u>	<u>Utilised</u>	<u>Stacked</u>	
			(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 in progress in all the benches .

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 namely Periyagalur ,Reddipalayam, Kattupiringiyam and Kallankurichi villages, which are .1-1.5kms away form mines. All the parameters of ambient Air ie SPM,RPM,SO2, NOX,,CO are with in the permissable limits.

Water Management

Season	Station type	Station name	Parameter	Value	
				Actual	Excess

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2012 - 2013

Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/2013

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

No violation of MCDR were found during the current inspection.

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 recommended .

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

The annual return submitted has been found to be in order.

PART - III : PERFORMANCE OF MINE OWNER

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

Not applicable as the lease valid up to 2030.

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