

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/PBR/LST-53.MDS

Mine code : 38TMN24047

- (i) Name of the Inspecting : (R006) T K RATH
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri Balashanmugam, Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 19/01/2014
- (v) Prev. inspection date : 24/01/2012

PART-I : GENERAL INFORMATION

- 1. (a) **Mine Name** : **ALANTHURAIYAR KATTALAI_22**
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address :
State : TAMIL NADU
District : PERAMBALUR
Village : ALANTHURAIYAR KATTAL
Taluka : ARIYALUR
Post office : ARIYALUR
Pin Code : 621707
FAX No. : 04329-247726
E-mail : mayilrajan.m@chettinadcemei
Phone : 04329-249770
- (e) Police Station : Vikramangalam
- (f) First opening date : 29/11/2006
- 2. Address for : G.M. (Mines)
correspondance : CHETTINAD CEMENT CORPORATION LIMITED
Ariyalur Works. 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 : CHETTINAD CEMENT CORPORATION LIMITED
 4TH FLOOR, RANI SEETHAI
 HALL BLDG 603, ANNA SALAI
 CHENNAI CITY TAMIL NADU
 Phone:044-28292727, 42149955
 FAX :044 - 28291558

Owner : SP.ST.PALANIAPPAN , MD
 RANISEETHAI HALL ANNASALAI
 CHENNAI CITY TAMIL NADU
 Phone: 044- 28292727
 FAX : 04428291558

Agent : K. KASIRAJAN
 603, Anna Salai, Chettinad
 cements Corp Ltd CHENNAI
 CITY TAMIL NADU
 Phone: 9788858200, 04329-247726
 FAX : 04329-247726

6. Date of approval of Mining : 27/12/2006
 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	307
Others	1	307
Workers	15	307
Supervisory	2	307

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	
Water supply	1.00	1.50			
Safety	2.00	2.00			
Recreation	1.00	1.00			
Others	5.00	5.00			
Environment management	2.00	2.00			
Sanitation	3.00	2.50			
Health	2.00	2.00			
Roads	2.00	3.00			
Sports activities	6.00	6.00			
TOTAL	24.00	25.00			

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

The company has carried out 12 no of bore holes unader exploration against the target of 7 no of bore holes for year 2012-13.

<u>RESERVE POSITION AS ON 01/04/2013</u>		
LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	3160000	
Probable		
Possible		
Total	3160000	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
LIMESTONE	499945	TON

<u>Exploration data as on 31/03/2013</u>		
No. of Boreholes	No. of Pits	No. of Trenches
12	0	0

<u>OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013</u>

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 :	540 m x 360 m x	Max. Depth : 26	Overall slope angle :
	<u>No. of benches</u>	<u>Average height</u>	<u>Average width</u>
Overburden ->	2	5	8
Minerals ->	3	5	8

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 without drilling and blasting. The rock bracker is being used as and when required. The height of benches is maintained at 5m. 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 mineral and entire ROM mine sent to cement plant .

<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 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 Periyakurichi, Reddipalayam, Kattupiringiyam and 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.

<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>
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) of MCDR -1988, observed during last inspection was complied and during the current inspection no major violation was observed.

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.

Annual return submitted for the year 2012-13 has been verified and 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 2036.

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