

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST-93-MDS

Mine code : 38TMN14074

- (i) Name of the Inspecting : (R006) T K RATH
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Ranjith Singh, Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 22/02/2014
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

- 1. (a) **Mine Name** : KALLAKUDI & KOVANDAKURICHI (GO .11)
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
State : TAMIL NADU
District : TIRUCHIRAPALLI
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone : 04329-235111
- (e) Police Station : Kallakudi
- (f) First opening date : 05/10/1939
- 2. Address for : DALMIAPURAM, TRICHY
correspondance
- 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 : DALMIA CEMENT (B) LTD.
M/S. DALMIA CEMENT (B) LTD
DALMIAPURAM-621651 TRICHY.
ARIYALUR TAMIL NADU
Phone:04329-35123.
FAX :

Owner : DALMIA CEMENT (B) LTD.
DALMIAPURAM TRICHT-621651.
TIRUCHIRAPALLI TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining : 04/07/2013
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	1	320
Workers	21	320
Supervisory	8	320
CONTRACT		
Workers	50	320

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	
Electricity		1.00			
Recreation		0.50			
Sports activities		0.50			
Employment		0.75			
Water supply		1.25			
Medical facility		1.25			
Training		0.75			
Sanitation		0.75			
Safety		1.50			
Roads		1.25			
Others		1.00			
Communication		2.25			
Health		1.75			
Environment management		2.20			
TOTAL		16.70			

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>		
LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	3020243	
Probable		
Possible		
Total	3020243	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
LIMESTONE	49757	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>

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. : Pit-1			
Pit size : 475mX188mX32m	Max. Depth : 32	Overall slope angle : 45	
	No. of benches	Average height	Average width
Overburden ->	1	2	12
Minerals ->	6	6	12
Pit No. : Pit-2			
Pit size : 237mX87mX25m	Max. Depth : 25	Overall slope angle : 45	
	No. of benches	Average height	Average width
Overburden ->	1	6	12
Minerals ->	3	6	12

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

Method of mining is conventional i.e, open cast mining without deep hole

drilling and blasting. The rock breaker is deployed for mining limestone and marl during the scheme period. 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 is in practice as there is no generation of sub-grade mineral.

7. Highlight 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 .When ever, marl is generated the same is blended to achieve feeder grade.

Utilisation of Sub Grade Mineral and Mineral Rejects

<u>Generated</u>	<u>Utilised</u>	<u>Stacked</u>	(In Ton.)
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8. Highlight 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 Kallakudi ,Kelarasur, Vadugarpettai and kovandakurichi villages, which are falling in buffer zone area. All the parameters of ambient Air ie SPM, RPM, SO₂, NO_x, CO are within the permissible 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.

The violation of rule 45(5)(a) & 45(5) (b) of MCDR -1988, observed during the current inspection were communicated to lessee on 05.3.2014.

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.

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 deficiencies have been conveyed ,as the information is submitted combindly.

PART - III : PERFORMANCE OF MINE OWNER

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

Not applicable .The leases are working under deemend extension.

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