

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST-50-Mds

Mine code : 38TMN14037

- (i) Name of the Inspecting : (R006) T K RATH
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri J. Priestly Macaulay, DGM(Mines)
Official with
Designation
- (iv) Date of Inspection : 20/01/2014
- (v) Prev. inspection date : 04/03/2011

PART-I : GENERAL INFORMATION

- 1. (a) **Mine Name** : **PERIYAKURICHI**
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address :
State : TAMIL NADU
District : PERAMBALUR
Village : PERIYAKURICHI
Taluka : SENDURAI
Post office : PERIYAKURICHI
Pin Code : 621719
FAX No. : 04329-48248
E-mail : icldal@eth.net
Phone : 04329-48201 to 48207
- (e) Police Station : Sendurai
- (f) First opening date : 19/09/1992
- 2. Address for : The India Cements Ltd.,
correspondance : Coramandel Towers, 93, Karpagam Avenue,
R.A. Puram, Chennai
- 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 : THE INDIA CEMENTS LIMITED
 DHUN BUILDING 827, ANNA
 SALAI CHENNAI CITY TAMIL
 NADU
 Phone:044-28521526, 28521527,28572100,28572400
 FAX :044-28526311

Owner : R K DAS, THE INDIA CEMENT LTD
 Coramandel Tower,
 93,Karpagam Avenue Sandome
 high road, R.A.Puram
 CHENNAI CITY TAMIL NADU
 Phone: 044-28521526,28
 FAX : 04428526311, 04

Agent : S.GOPINATH
 INDIA CEMENTS LTD CEMENT
 NAGAR PO. SENDURAI TK.
 PERAMBALUR TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : N.JAYAPRAKASH,Full Time
 Qualification : B.E(MIN)
 Appointment : 01/03/2000
 date

Geologist

Name : K.JAYABASAN,Full Time
 Qualification : M.SC(GEOLOGY)
 Appointment :
 date

Geologist

Name : K. JAYAPALAN,Full Time
 Qualification : B.Sc
 Appointment :
 date

6. Date of approval of Mining : 09/05/2002
 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	364
Workers	10	364
Supervisory	6	364

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	
Health		0.70			
Recreation		27.00			
Water supply		13.17			
Sanitation		1.00			
Environment management		14.22			
TOTAL		56.09			

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

During the year 2012-13, 7 no of bore holes have been drilled under exploration programme to a total depth 130.5m .

<u>RESERVE POSITION AS ON 01/04/2013</u>		
LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	2379000	
Probable		
Possible		
Total	2379000	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
LIMESTONE	212039	TON

<u>Exploration data as on 31/03/2013</u>		
No. of Boreholes	No. of Pits	No. of Trenches
7	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.	: eastern pit		
Pit size :	850mX300mX25m	Max. Depth :	25
		Overall slope angle :	45
	<u>No. of benches</u>	<u>Average height</u>	<u>Average width</u>
Overburden ->	1	5	5
Minerals ->	2	5	5

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 .

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 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.

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 was pointed out during the last inspection and no major violations were observed during 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.

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)

Lease expired in 2012 and mine is working under deemed 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