

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

**MCDR INSPECTION REPORT**

**Chennai regional office**

**Mine file No :** TN/TKD/LST-12.MDS

**Mine code :** 38TMN31002

- (i) Name of the Inspecting : (R006 ) T K RATH  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri C.Kanakasabapathy,AGM(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 25-FEB-14
- (v) Prev.inspection date : 15-FEB-11

**PART-I : GENERAL INFORMATION**

- 1. (a) **Mine Name** : **MANIYAKARANPATTI**
- (b) Category : A Other than Fu
- (c) Type of Working : Opencast
- (d) Postal address :  
State : TAMIL NADU  
District : THOOTHUKUDI (TUTICORIN)  
Village : MANIYAKARANPATTI  
Taluka : VILATHIKULAM  
Post office : MANIYAKARANPATTI  
Pin Code :  
FAX No. : 04622300595  
E-mail :  
Phone : 0462-2300221 TO 2300226
- (e) Police Station :
- (f) First opening date : 19-JUL-99
- 2. Address for : M/S INDIA CEMENTS LTD  
correspondance : SANKARNAGAR-627357
- 3. (a) Lease Number : TMN1208
- (b) Lease area : 25.49
- (c) Period of lease : 30
- (d) Date of Expiry : 29-MAY-29
- 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 : D.SIVAGURUNATHAN  
 M/S INDIACEMENTS LTD  
 SANKARNAGAR TIRUNELVELI  
 TAMIL NADU  
 Phone: 0462 - 300221 TO 300226  
 FAX : 0462- 300595

## Mining Engineer

Name : L.SUDHARSAN,Full Time  
 Qualification : BE(MINING)  
 Appointment :  
 date

## Geologist

Name : R.CHANDRASEKHARAN,Full Time  
 Qualification : MSC(GEOLOGY)  
 Appointment :  
 date

6. Date of approval of Mining : 05-OCT-11  
 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**

<b>Employment category</b>	<b>No.of employment</b>	<b>Av. yearly working days</b>
<b>DIRECT</b>		
<b>Managerial</b>	2	275
<b>Supervisory</b>	1	275
<b>CONTRACT</b>		
<b>Workers</b>	6	275

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		2.24			
Roads		15.00			
Health		20.49			
Employment		3.09			
TOTAL		40.82			

**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 25 trail pits by mining plan period with 100mX100m grid interval.

<u>RESERVE POSITION AS ON 01/04/2013</u>		
<b>LIMESTONE</b>		
Category	Quantity in Tonnes	Grade
Proved	68000	
Probable		
Possible		
Total	68000	

<u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u>		
Mineral	Production	Unit
LIMESTONE	168352	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) :	0

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

Mining carried out systematically. The method of mining involved is excavation of thin layer of lime kanakar thickness varies from 1 to 1.5 m by deploying EX-200 excavator .

<u>PIT/UNDERGROUND DEVELOPMENT</u>			
(In meters)			
<b>Pit No. : 1</b>			
Pit size :	Max. Depth : 3	Overall slope angle :	
	<u>No. of benches</u>	<u>Average height</u>	<u>Average width</u>
Overburden ->	1	1	
Minerals ->	1	1.5	

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

Mining is being done by using EX-200 excavator without drilling and blasting. The only development work in the mine is removal of black cotton soil. The removal of topsoil can be easily removed by engaging EX-200 excavator and directly load on to the power screen for screening the interburden clayey soil. There is only one bench in the mine and the bench height is maintained at 2.5 m to 2.75m depending upon the thickness of the top soil and kankar.

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

Except screening to remove interburden clayey soil no other beneficiation is carried out and required.

**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 mineral and upgradation of limestone is being done at mine pit by screening the soil .

**Utilisation of Sub Grade Mineral and Mineral Rejects**

Generated	Utilised	Stacked	(In Ton.)
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**8. Highlight of efforts made towards reclamation and rehabilitation of land degraded and progress made thereof.**

Mined out area has been back filled by the interburden clayey soil while mining.

**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 villages, which are .1-1.5kms away from mines. All the parameters of ambient Air ie SPM,RPM,SO2,NOX,,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 for rule 13(2) was issued during the previous inspection was complied and during the current inspection, violation cum showcause for rule 13(1) for excess production has already been communicated on 5.3.2014.

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 applicale at this stage .Action to be taken after expiry of the show cause notice period.

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 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

State govt., was requested not to issue transport permits with immediate effect.

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

NIL

(T K RATH)

**Date :**

Regional Controller Mines