

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TNL/LST-4.MDS

Mine code : 38TMN15024

- (i) Name of the Inspecting : (R006) T K RATH
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri KanakasabapahyAGM(Mines)
Official with
Designation
- (iv) Date of Inspection : 24/02/2014
- (v) Prev.inspection date : 15/07/2011

PART-I : GENERAL INFORMATION

- 1. (a) **Mine Name** : **SETHURAYANPUDUR GO.762**
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address :
State : TAMIL NADU
District : TIRUNELVELI
Village : SETHURAYANPATHUR
Taluka :
Post office : SETHURAYANPUDUR
Pin Code :
FAX No. : 04622300595
E-mail :
Phone : 0462-2300221 TO 2300226
- (e) Police Station :
- (f) First opening date : 01/01/1980
- 2. Address for : INDIA CEMENTS LTD, .
correspondance : DHUN BUILDINGS ,827 ,ANNA SALAI ,CHENNAI-2
- 3. (a) Lease Number : TMN0161
- (b) Lease area : 73.87
- (c) Period of lease : 20
- (d) Date of Expiry : 15/06/1990
- 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.NANDAKUMAR
 DEVANNAGOUNDANUR SANKARI
 SALEM SALEM TAMIL NADU
 Phone:
 FAX :

6. Date of approval of Mining : 19/12/2002
 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 | 3 | 301 |
| Workers | 48 | 301 |
| Supervisory | 9 | 301 |

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 | |
| Roads | | 15.00 | | | |
| Others | | 2.24 | | | |
| Employment | | 3.09 | | | |
| Health | | 20.49 | | | |
| TOTAL | | 40.82 | | | |

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

Exploration proposed has been carried out .

| <u>RESERVE POSITION AS ON 01/04/2013</u> | | |
|--|--------------------|-------|
| LIMESTONE | | |
| Category | Quantity in Tonnes | Grade |
| Proved | 6005000 | |
| Probable | | |
| Possible | | |
| Total | 6005000 | |

| <u>PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013</u> | | |
|---|------------|------|
| Mineral | Production | Unit |
| LIMESTONE | 265004 | TON |

| <u>Exploration data as on 31/03/2013</u> | | |
|--|-------------|-----------------|
| No. of Boreholes | No. of Pits | No. of Trenches |
| 23 | 0 | 0 |

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013

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

Mining carried out systematically as per the proposals made in approved scheme of mining.

| <u>PIT/UNDERGROUND DEVELOPMENT</u> | | | |
|------------------------------------|-----------------------|-----------------------|----------------------|
| (In meters) | | | |
| Pit No. : east pit | | | |
| Pit size : | 611mX135mX57m | Max. Depth : | 57 |
| | | Overall slope angle : | 45 |
| | <u>No. of benches</u> | <u>Average height</u> | <u>Average width</u> |
| Overburden -> | 3 | 10 | 12 |
| Minerals -> | 2 | 10 | 12 |
| Pit No. : west pit | | | |
| Pit size : | 810mX135mX44m | Max. Depth : | 44 |
| | | Overall slope angle : | 45 |
| | <u>No. of benches</u> | <u>Average height</u> | <u>Average width</u> |
| Overburden -> | 3 | 10 | 12 |
| Minerals -> | 2 | 10 | 12 |

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

Mechanised mining method with conventional drilling and blasting is being adopted in

the mine. Rock breaker attachment is mounted on the PC-300 excavator is engaged for the secondary breaking of limestone. There is no secondary blasting in the mine. The PC-300 hydraulic shovel is engaged to remove the blasted limestone and loaded into 20t capacity trucks.

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

No beneficiation process is in practice .Entire ROM mined is being directly utilised for manufacturing of cement with out any beneficiation.

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 all grades are being utelised for manufacturing cement.

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.

Not applicable . As the mine is activly working and not reaches this stage.

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 villages, that are 1-1.5kms away from mines. All the parameters of ambient Air quality 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.

The violation of rule 27(4),28(5)(b) of MCDR -1988,observed during 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 at this stage.

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)

Mine is working under deemed extension, as lease expired on 15.6.2000.

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