

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Chennai regional office**

**Mine file No :** TN/ALR/LST-45.MDS

**Mine code :** 38TMN38029

- (i) Name of the Inspecting : S011 ) SALIL SANDIP KUJUR  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : P RAMASAMY,AVP-MINES J PRIESTY MACAULAY-DGM-MINES  
Official with  
Designation
- (iv) Date of Inspection : 22-AUG-17
- (v) Prev.inspection date : 30-JAN-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : ADANAKURICHI, ALATHIYUR &
- (b) **Registration NO.** : 613/2011
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : ARIYALUR
- Village : ADANAKURICHI
- Taluka : SENDURAI
- Post office : CEMENTNAGAR
- Pin Code : 621730
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 16-OCT-06
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : DHUN BUILDING,  
NO:827, ANNA SALAI,  
CHENNAI
3. (a) **Lease Number** : TMN1033
- (b) **Lease area** : 80.26
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 16-MAR-25
4. **Mineral worked** : LIMESTONE Associated

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 : INDIA CEMENTS LTD  
INDIA CEMENT LTD, SANKAR  
NAGAR POST, TIRUNELVELI  
DISTRICT. TIRUNELVELI TAMIL  
NADU  
Phone:  
FAX :

6. Date of approval of Mining : MP review under 17(1) MCR 2016 23-NOV-16  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL, No proposal for the year 2016-17	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	8.19 Million tonnes	9.13 Million tonnes	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	SOUTH EAST	SOUTH EAST	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES MAINTAIN AS PER RULE	NIL
2c	Stripping ratio or ore to OB ratio	1:0.17	1:0.46	-
2d	Quantity of topsoil generation in m3	NIL	NIL	-
2e	Quantity of overburden generation in m3	236468	33010.72	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	TWO	TWO	NIL
3b	Quantity of ROM mineral production proposed	1222635	479158.62	WITHIN LIMIT
3c	Recovery of sailable/usable mineral from ROM production	986167	446147.9	NIL
3d	Quantity of mineral reject generation	236468	33010.72	NIL
3e	Grade of mineral rejects generation and threshold value declared.	SiO <sub>2</sub> >18.0%	SiO <sub>2</sub> >18.0%	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	NO	NIL	NIL

3k	Provision of mining machineries in mineral benches	YES, SURFACE MINER, DOZER, DUMPER, WT, LOADER	SURFACE MINER, DOZER, DUMPER, WT, LOADER	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES	AS PROPOSED 6 MTR
3m	Total area covered under excavation/pits	57.17.5 Hec.	56.16.5 Hec.	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.17	1:0.46	NIL
3o	Total area put in use under different heads at the end of year	Area under mining- 57.17.5, Overburden- 1.55.5, Mineral storage- 1.01.0, Infrast ructure- 2.22.0, Roads- 3.86.0, Protective bund- 1.84.5.	Area under mining- 56.16.5, Overburden- 1.55.5, Mineral storage- 0.50.0, Infrastructure- 2.22.0, Roads- 3.86.0, Protective bund- 1.84.5.	NIL
3p	Production of ROM mineral during the last five year period as applicable	" 2012-13=632213 Ts 2013-14=647623Ts 2014-15 =1279444 Ts 2015-16 =1277263 Ts 2016-17=1222635 Ts Total -5059178 Tonnes"	" 2012-13 =480022.71 Ts 2013-14=599417.57 Ts 2014-15 =696550.63 Ts 2015-16=510609.90 Ts 2016-17=479158.62 Ts Total - 2765759.43 Tonnes"	NIL
3q	General remarks of inspecting officers on method of mining etc.	-	-	SATISFACTORY

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	YES	NIL
4b	Location of topsoil, OB and mineral reject dumps	Western side of ML	Western side of ML AS PER PROPOSAL	NIL
4c	Number of dumps within lease area and outside of lease area	One Dump within ML, &Back filled	One Dump within ML, &Back filled	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out site of UPL	Out site of UPL	NIL
4e	Number of active and alive dumps.	ONE	ONE	NIL
4f	Number of dead dumps.	ONE	ONE	NIL
4g	Number of dumps established.	1	1	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	YES	NIL
4j	Number of settling ponds	ONE	ONE	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	-SATISFACTORY-

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	YES,Back filled inMined out area	Back filled inMined out area	NIL
5b	Area under backfilling of mined out area	1.42.5	0.35.0	NIL

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	0.35.0	0.10	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	YES	SUBMITTED ON TIME	NIL
6b	Area available for rehabilitation (ha) .	0.35HA	0.10HA	NIL
6c	afforestation done (ha).	0.35	0.10	NIL
6d	No. of saplings planted during the year	400	100	NIL
6e	Cumulative no .of plants	-	15080-	NIL
6f	Any other method of rehabilitation	NIL	NIL	WATER HARVESTING
6g	Cost incurred on watch and care during the year	NIL	2 LAKHS	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.425HA	0.35HA	NIL

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6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	400	100	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	COMPLIED AS PROPOSED	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	YES	YES DONE AS PROPOSED	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	MECHANICAL	NIL
7c	Different grade of mineral sorted out at mines.	YES	YES AS PROPOSED	NIL
7d	Any beneficiation process at mines	Screening by Mobile screen	Screening by Mobile screen	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY

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**Environment :**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No topsoil removal for 2016-17	NIL
8b	Concurrent use or storage of topsoil	NA	NA	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	YES AS PROPOSED	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	YES AS PROPOSED	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	YES AS PROPOSED	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	15080 PLANTS PLANTED	NIL
8g	Survival rate	90%	90%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	YES WATER SPRINKLING IS BEING DONE	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	SUBMITTED	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	YES GIVEN	PRESENT	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	YES GIVEN	NIL	NIL
9d	Scrutiny of Annual return on afforestation	YES	AS PROPOSED	NIL

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	GIVEN	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	YES	MENTIONED	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	GIVEN	CAPTIVE MINE PRODUCTION COST GIVEN	NIL
9h	Scrutiny of Annual return on fixed assets	GIVEN	NIL	NIL, DEPLOYED
9k	Scrutiny of Annual return on mining machineries	DEPLOYED ,GIVEN	DEPLOYED AS GIVEN	NIL

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

(SALIL SANDIP KUJUR)

Indian Bureau of Mines