

**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 : Mr.P RAMASAMY,AVP-MINES,Mr J PRIESTY MACAULAY-DGM-MIN
Official with
Designation
- (iv) Date of Inspection : 11-JUL-18
- (v) Prev.inspection date : 22-AUG-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-FEB-25
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 : 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	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	NA	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	7.69MILLION TONNES	8.78 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	AS PLANNED IN C STRIP SOUTHERN SIDE OF THE LEASE	AS PLANNED IN C STRIP SOUTHERN SIDE OF THE LEASE	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES MANTAINED	NIL
2c	Stripping ratio or ore to OB ratio	1:0.48	1:0.24	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	86555 CUM	7276 CUM	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	NIL
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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	659565MT	362236.75MT	WITHIN LIMIT
3c	Recovery of sailable/usable mineral from ROM production	503767 MT	349139.75MT	NIL
3d	Quantity of mineral reject generation	155798	13097	NIL
3e	Grade of mineral rejects generation and threshold value declared.	SiO ₂ >18%	SiO ₂ >18%	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANICAL	MECHANICAL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	NO	NIL
3j	Provision of drilling and blasting in mineral benches	NIL	NIL	NIL

3k	Provision of mining machineries in mineral benches	YES	YES SURFACE USED	MINNER IS	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES		NIL
3m	Total area covered under excavation/pits	57.17 HA	56.16.5HA		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=57.17HA OB DUMP=1.55.5 INFRASTRUCTURE =2.22 ROADS=3.86 PROTECTIVE BUNDS-1.84.5	AREA UNDER MINING=57.17HA OB DUMP=1.55.5 MINERAL STORAGE=1.01.0 INFRASTRUCTURE=2.22 ROADS=3.86 PROTECTIVE BUNDS-1.84.5		VIOLATION ISSUED AS THE APPROVED MINE PLAN NOT SHOWING STORAGE OF MINERAL
3p	Production of ROM mineral during the last five year period as applicable	2013-14=647623 2014-15=1279444 2015-16=1277263 2016-17=1222635 2017-18=503767	2013-14=599417.57 2014-15=1696550 2015-16=510609 2016-17=479158 2017-18=349139		WITHIN PLANNED QUANTITY
3q	General remarks of inspecting officers on method of mining etc.	-	-		VIOLATION ISSUED FOR STORAGE OF LIMESTONE.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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 THE LEASE	WESTERN SIDE OF THE LEASE	NIL

4c	Number of dumps within lease area and outside of lease area	ONE DUMP WITHIN LEASE	ONE DUMP WITHIN LEASE	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OUTSIDE UPL	OUTSIDE 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.	NIL	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	NIL	NIL	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.	BACKFILLED IN MONED OUT AREAS	BACKFILLED IN MONED OUT AREAS	NIL
5b	Area under backfilling of mined out area	0.70HA	0.25HA	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	0.35HA	0.30HA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY

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).	SUBMITTED	SUBMITTED	NIL
6b	Area available for rehabilitation (ha) .	0.70HA	0.25HA	NIL
6c	afforestation done (ha).	0.35HA	0.30HA	NIL
6d	No. of saplings planted during the year	350	350NOS	NIL
6e	Cumulative no .of plants	-	15430 NOS	NIL
6f	Any other method of rehabilitation	WATER HASVESTING	WATER HARVESTING MADE	NIL
6g	Cost incurred on watch and care during the year	-	-	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	80X80X15 M3	70X35X18M3	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.70HA	0.25HA	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	350NOS	350NOS	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	YES	YES	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	YES IT IS BEING QUARTERLY MONITORED	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	YES	YES	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	NIL
7d	Any beneficiation process at mines .	SCREENING BT MOBILE SCREENS	SCREENING BT MOBILE SCREENS	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO PROPOSAL	NO PROPOSAL IN 2017-18	NIL
8b	Concurrent use or storage of topsoil	NO PROPOSAL	NOT IN PROPOSAL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	YES	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	YES	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	YES AS PER PLAN	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	15430 PLANTS	NIL
8g	Survival rate	80%	80%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	WATER SPRINKLING IS USED IN HAUL ROADS	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY

Compliance of Rule 45:

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

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

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

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

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines