

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/ALR/LST-49.MDS

Mine code : 38TMN38009

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR.VENKATESH.Sr.DGM-MINES,AJMAL AHAMAD.DGM-MINES,T.RA
Official with
Designation
- (iv) Date of Inspection : 20-AUG-17
- (v) Prev.inspection date : 18-NOV-12

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : TULAR LIMESTONE MINE(136)
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : ARIYALUR
- Village : TULAR MANAKUDAYAN
- Taluka : SENDURAI
- Post office : CEMENT NAGAR
- Pin Code : 621730
- FAX No. : 04329-248303
- E-mail : mclalr@madras cements.co.i
- Phone : 04329-248305, 248306
- (f) **Police Station** : DALAVOI
- (g) **First opening date** : 29-OCT-08
- (h) **Weekly day of rest** : SUN
2. **Address for** : GENERAL MANAGER (MINES)
correspondance MADRAS CEMENTS LIMITED,
ALATHIYUR, DALAVOI, TEH-SENDURAI, DISTT- ARIYALU
3. (a) **Lease Number** : TMN1044
- (b) **Lease area** : 136.11
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 17-SEP-38
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : MADRAS CEMENTS LIMITED
 Auras Corporate Center Vth
 Floor, 98 A Dr.Radha
 Krishnan salai, Mylapore
 CHENNAI CITY TAMIL NADU
 Phone:044-28478666
 FAX :044-28478676

Owner : P.R.RAMA SUBRAMANYA RAJA
 AURAS CORPORATE CENTRE
 VFLOOR,98A,RADAKRISHNAN R
 MYLAPORE,CHENNAI CHENNAI
 CITY TAMIL NADU
 Phone: 044-8555815
 FAX : 044-830248

Agent : S SHANMUGAM
 Madras Cements Ltd, TALUKA-
 Sendurai ARIYALUR TAMIL
 NADU
 Phone: 04329-248305248306
 FAX : 04329-248303

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	21-APR-06
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	06-JUN-13
		Modif.approved Mining Scheme	08-JUL-15
		MP modif under MCR 1960	14-JUN-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	Exploration completed

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	NA	NIL
3j	Provision of drilling and blasting in mineral benches	NO	NIL	NIL
3k	Provision of mining machineries in mineral benches	YES	YES	Surface Minor operation is in practice for production.
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	47.26	47.26 HA	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1 : 2.83	1 : 2.98	As per proposal

3o	Total area put in use under different heads at the end of year	MINING=47.26 ROADS=3.15 BACKFILLING=6.75 AFFORESTATION=0.25 STOCKPILE=2.75 HA GREENBELT=1.75 HA	MINING=47.26 ROADS=2.73 BACKFILLING=3.54 AFFORESTATION=1.48 STOCKPILE=2.75HA GREENBELT=1.75HA	NIL
3p	Production of ROM mineral during the last five year period as applicable	2016-17 14,96,013 2015-16 14,93,589 2014-15 12,04,000 2013-14 9,19,000 2012-13 15,00,000	2016-17 12,17,086 2015-16 10,13,395 2014-15 9,20,230 2013-14 7,29,225 2012-13 7,18,375	WITHIN LIMIT
3q	General remarks of inspecting officers on method of mining etc.	-	-	SATISFACTORY

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	900 - 1200	900 - 1200	NIL
4c	Number of dumps within lease area and outside of lease area	2	2	Dumped within lease area as per proposal
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	RL - 82	RL - 74	NIL
4e	Number of active and alive dumps.	NIL	NIL	NIL
4f	Number of dead dumps.	NIL	NIL	NIL,OB dump rehandling on progress

4g	Number of dumps established.	2	2	One Top soil & one OB dump
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	YES	GARLAND DRAINS ARE MADE
4i	Length of Retaining wall or garland drain all along dumps	YES	YES, 2672 x 8 x 2	2672 x 8 x 2 GARLAND DRAINS ARE MADE
4j	Number of settling ponds	1	1	As per proposal
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	YES	Full extraction
5b	Area under backfilling of mined out area	6.75	3.54	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	-	3.34HA	NIL
5d	Total area fully reclaimed and rehabilitated	0	5 HA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	YES	YES	SUBMITTED IN TIME
6b	Area available for rehabilitation (ha) .	-	3.7HA	NIL
6c	afforestation done (ha).	0.25	1.48HA	NIL
6d	No. of saplings planted during the year	500	3700 PLANTATION	NIL
6e	Cumulative no .of plants	19100	35550 NOS	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	RS 37500	RS 277500	NIL, AS PROPOSED
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	160 x 250 x 48	160 x 250 x 48	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0	3.7 HA	150 x 250 x 48 M3
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	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.	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 MONITORED IN QUARTERLY BASIS	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
7a	ROM Mineral dispatch or grade-wise sorting within lease area	14,96,013 MT	12,17,086 MT	As per proposal
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	NIL
7c	Different grade of mineral sorted out at mines.	NA	NA	NIL

7d	Any beneficiation process at mines	NIL	NIL	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)	YES	YES	NIL,Top soil is separately removed
8b	Concurrent use or storage of topsoil	YES	YES	Both are practiced
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	OB is being used for reclamation of mined out area.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	YES	Reclamation is being practiced in a phased manner
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	31850	35550 PLANTATION	NIL
8g	Survival rate	80%	80%	SATISFACTORY

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

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	SUBMITTED IN TIME	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	GIVEN	PRESENT AT MINES	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	GIVEN IN AR	AS GIVEN FOUND	NIL
9d	Scrutiny of Annual return on afforestation	GIVEN	AS PROVIDED	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil,not available	Nil,not available	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes,provided	AS GIVEN	NIL,OK
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes,provided	GIVEN IN AR IT IS CAPTIVE MINE	NIL
9h	Scrutiny of Annual return on fixed assets	Yes,provided	AS GIVEN	NIL,OK

9k	Scrutiny of Annual return on mining machineries	YES GIVEN	AS PROVIDED IN AR	OK, SATISFACTORY
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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