

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/PT/LST-30.MDS

Mine code : 38TMN24030

- (i) Name of the Inspecting : **J103**) **V. Jaya Krishna Babu**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : J.Ravi, Geologist, Ajmal Ahmed, Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 08/03/2017
- (v) Prev.inspection date : 13/03/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ALATHIYUR (N)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : PERAMBALUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 04329-248303
E-mail : alr@madras cements.co.in
Phone : 04329-248305, 248306
- (f) Police Station : DALAVOI
- (g) First opening date : 31/03/1995
- (h) Weekly day of rest : SUN
2. Address for : GENERAL MANAGER (MINES)
correspondance : MADRAS CEMENT LIMITED,
ALATHIYUR, DALAVOI, TEH-SENDURAI, DISTT- ARIYALU
3. (a) Lease Number : TMN0740
- (b) Lease area : 57.12
- (c) Period of lease : 30
- (d) Date of Expiry : 12/10/2028
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	:	Mining Scheme rule 12 MCDR1988	22/06/2004
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	28/08/2009
		Modif.approved Mining Scheme	08/10/2012
		Mining Scheme rule 12 MCDR1988	30/06/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	-	Completed under G1 category.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Not applicable.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserve as on 01/04/20		3.76 Million Tonnes	
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	No development proposal.	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	8333 M3	4759 M3	

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	2 Pits	2 Pits	
3b	Quantity of ROM mineral production proposed	73000 Ts	57115 Ts	
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	NA	NA	

3k	Provision of mining machineries in mineral benches	Yes	Yes	Mining is carried out by Surface Mining Only.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Mining is carried out by Surface Mining Only.
3m	Total area covered under excavation/pits	9.02.3	9.02.3	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.2	1:0.0	
3o	Total area put in use under different heads at the end of year	9.02.3	9.02.3	
3p	Production of ROM mineral during the last five year period as applicable	2011-12:- 10,39,500 2012-13:- 2,86,000 2013-14:- 2,99,000 2014-15:- 1,34,000 2015-16:- 73,000	2011-12:- 2,68,027.28 2012-13:- 2,82,763.20 2013-14:- 2,24,086.43 2014-15:- 1,01,282.67 2015-16:- 57,115.30	
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	
4b	Location of topsoil, OB and mineral reject dumps		ML-(0-2)	

4c	Number of dumps within lease area and outside of lease area	Nil	1	OB dump
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Western Side	Western Side	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	Existing settling pond de silted.
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.	NA	NA	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	

5d	Total area fully reclaimed and rehabilitated	NA	NA	
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).	Yes	Not submitted	V/L of Rule 26(2) of MCDR17 has been issued on 31.03.2017
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	430	750	
6e	Cumulative no .of plants		4370 saplings have been planted.	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Not Available	Not Available	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	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	Nil	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines	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)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes. Separate dump for OB	OB Dunp provided.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		750
8g	Survival rate		85%
8h	Water sprinkling on roads to control airborne dust	Yes	8 KLD Water tank is being used
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	Monthly and Annual returns are being submitted regularly through online	Monthly and Annual returns are being submitted regularly through online	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			Details furnished in Annual Return 2015-16
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Verified	
9d	Scrutiny of Annual return on afforestation		Verified	

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

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
MCDR17	Rule 26(2)	31/03/2017			
MCDR17	Rule 31(1)	31/03/2017			

Date :

(V. Jaya Krishna Babu)

Indian Bureau of Mines