

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/PBR/LST-58/MDS

Mine code : 38TMN38007

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR. RAMESH , BALASHANMUGAM-AGM-MINES
Official with
Designation
- (iv) Date of Inspection : 27-SEP-18
- (v) Prev.inspection date : 24-NOV-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PUDUPALAYAM(37HA)
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : ARIYALUR
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : 044-28291558, 04329-247726
- E-mail : mayilrajan.m@chettinadcemei
- Phone : 044-28292727, 04329-249770
- (f) **Police Station** : Vikramangalam, ARIYALUR
- (g) **First opening date** : 11-JAN-89
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : RANI SEETHAI HALL BUILDING
POST BOXNO.748, 603-ANNA SALAI
CHENNAI-600006
3. (a) **Lease Number** : TMN1037
- (b) **Lease area** : 37.01
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 08-FEB-09
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : CHETTINAD CEMENT CORPORATION LIMITED
 4TH FLOOR, RANI SEETHAI
 HALL BLDG 603, ANNA SALAI
 CHENNAI CITY TAMIL NADU
 Phone:044-28292727, 42149955
 FAX :044 - 28291558

Owner : SP.ST.PALANIAPPAN , MD
 RANISEETHAI HALL ANNASALAI
 CHENNAI CITY TAMIL NADU
 Phone: 044- 28292727
 FAX : 04428291558

Agent : R. A. KRISHNAKUMAR
 Executive Director Dalmia
 cements(B) Ltd.,
 Dalmiapuram TIRUCHIRAPALLI
 TAMIL NADU
 Phone: 04329-294632
 FAX : 04329-235111

Mining Engineer

Name : M.RAMESH,Full Time
 Qualification : BE Mining
 Appointment/ :
 Termination date

Geologist

Name : M.L.BALASHANMUGAM,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	19-OCT-06
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	11-MAR-08
	:	Modif.of approved Mining Plan	09-OCT-09
	:	Mining Scheme rule 12 MCDR1988	24-JUN-14

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	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	-	2.10 LAKHS 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	NORTH EAST	NORTH EAST	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES SEPERATE BENCHES ARE MADE	NIL
2c	Stripping ratio or ore to OB ratio	1:0.33	1:0.34	NIL
2d	Quantity of topsoil generation in m3	NIL	NA	NIL
2e	Quantity of overburden generation in m3	NIL	NIL	NIL

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
3b	Quantity of ROM mineral production proposed	77883 MT	29906.92MT	NIL
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	35% CAO	35%CAO	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	MECHANISED	MECHANISED	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	NIL	NA	NIL
3k	Provision of mining machineries in mineral benches	YES	YES AS PER PROPOSAL THE MACHINES WERE USED	NIL

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	THE HEIGHT IS MORE THE NORTH-EAST OF THE LEASE AREA	VIOLATION ISSUED
3m	Total area covered under excavation/pits	24.88HA	24.88HA	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.33	1:0.34 IN THE YEAR 2017-18	PRESENTLY THE MINE IS NOT WORKING AND TEMP. DISCONTINUANCE NOTICE IS GIVEN ON 05-09-2017
3o	Total area put in use under different heads at the end of year	MINING=24.88 HA DUMP=3.54 HA ROADS=0.53HA GREEN BELT=2.16 HA BARRIER=5.89 HA	MINING=24.88 HA DUMP=3.54 HA ROADS=0.53HA GREEN BELT=2.16 HA BARRIER=5.89 HA	NIL
3p	Production of ROM mineral during the last five year period as applicable	2014-15=62184 2015-16=63307 2016-17=71073 2017-18=77883 2018-19=81943	2014-15=147116 2015-16=103703 2016-17=78737 2017-18=29907 2018-19=NIL	NIL
3q	General remarks of inspecting officers on method of mining etc.	-	-	VIOLATION ISSUED FOR BENCH HEIGHT.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	DUMP LOCATED IN SOUTH EASTERN SIDE OF THE LEASE	DUMP LOCATED IN SOUTH EASTERN SIDE OF THE LEASE	NIL
4b	Location of topsoil, OB and mineral reject dumps	SOUTH EAST-OB DUMP	SOUTH EAST-OB DUMP	NIL
4c	Number of dumps within lease area and outside of lease area	2	2	NIL

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	NIL
4e	Number of active and alive dumps.	NA	NA	NIL
4f	Number of dead dumps.	2	2	NIL
4g	Number of dumps established.	2	2	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	PRESENT	PRESENT	NIL
4i	Length of Retaining wall or garland drain all along dumps	300 MTRS	300 MTRS	NIL
4j	Number of settling ponds	NA	NA	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.	NIL	NIL	NIL, MINE STOPED DUE TO LACK OF QUALITYORE
5b	Area under backfilling of mined out area	3.874 HA	3.95 HA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	PROPOSED	TOP SOIL IS UTILISED FOR PLANTATION IN BACKFILLED AREA.	NIL
5d	Total area fully reclaimed and rehabilitated	6 HA	2.02 HA	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).	SUBMITTED	SUBMITTED FOR 2017-18	NIL
6b	Area available for rehabilitation (ha) .	6 HA	6HA	NIL
6c	afforestation done (ha).	2.25 HA	2.02 HA	NIL
6d	No. of saplings planted during the year	825	1000	NIL
6e	Cumulative no .of plants	4200	10000 NOS	NIL
6f	Any other method of rehabilitation	NA	NA	NIL
6g	Cost incurred on watch and care during the year	5.77 LAKHS	6.0 LAKHS	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	YES	2.02 HA	NIL

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	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)	PERIODICALLY MONITORED	PERIODICALLY 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
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	NIL

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	MINES IS TEMP. CLOSED	NIL
7c	Different grade of mineral sorted out at mines.	NA	NA	NIL
7d	Any beneficiation process at mines .	NA	NA	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	DURING INITIAL STAGE THE TOPSOIL IS REMOVED AND UTILISED FOR RESTORATION OF BACKFILLED AREA.
8b	Concurrent use or storage of topsoil	NA	NA	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	RECLAMATION IS DONE IN OLD MINED OUT AREA	MINE IS TEMP CLOSED.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	4200	10000 NOS	NIL
8g	Survival rate	80 %	70 %	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	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	PROVIDED	GIVEN IN AR	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	PROVIDED IN AR AS PROVIDED		NIL
9d	Scrutiny of Annual return on afforestation	PROVIDED IN AR	GIVEN IN AR AS REPORTED	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL

9f	Scrutiny of Annual return on ROM stock and/or graded ore	NO ORE	NO ORE EXCAVATED	MINE IS TEMP. CLOSED
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	NIL

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 11(1)	10-OCT-18	MCDR17	Rule 11(1)	10-OCT-18
MCDR17	Rule 31(4)	10-OCT-18	MCDR17	Rule 31(4)	10-OCT-18

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines