

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/DAN/LST-29/MDS

Mine code : 38TMN33014

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri M.Mayilrajan DGM Mines
Official with
Designation
- (iv) Date of Inspection : 18-NOV-19
- (v) Prev.inspection date : 15-OCT-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : ALAMBADI(2.415HA)KARIKALI
- (b) **Registration NO.** : IBM/170/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : DINDIGUL
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** : KARIKALI
- (g) **First opening date** : 27-MAR-03
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : ALAMBADI VILL
PALAYAM(VIA)-624620
DINDIGUL DIST
3. (a) **Lease Number** : TMN0851
- (b) **Lease area** : 2.42
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 27-MAR-23
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 : G.Raghunathsingh
 DINDIGUL TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : M.Mayilrajan,Full Time
 Qualification : B.E Mining
 Appointment/ : 17-AUG-16
 Termination date

Geologist

Name : M.L.BALASHANMUGAM,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ : 17-AUG-16
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	21-AUG-90
Plan/Scheme of Mining		Existing rule 11 MCDR1988	25-APR-06
		Modif.approved Mining Scheme	03-JUN-10
		Modif.approved Mining Scheme	03-JUN-10
		Mining Scheme rule 12 MCDR1988	15-MAY-14
		MP review under 17(1) MCR 2016	14-NOV-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	ALL AREA EXPLORED TO G1 CATEGORY.
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	NOT REQUIRED	NOT REQUIRED AS ALL AREA HAS BEEN ALREADY EXPLORED TO G1 CATEGORY	NOT REQUIRED AS ALL AREA HAS BEEN ALREADY EXPLORED TO G1 CATEGORY
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	-	1.33 Lakhs Tons (111)	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY AS EXPLORATION IS IN G1 CATEGORY.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	IV &V Bench / 220 mtr RL	IV &V Bench / 220 mtr RL	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NO TOPSOIL	NO TS AND NO OB	NIL
2c	Stripping ratio or ore to OB ratio	1:0	1:0	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	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
3a	Number of pit proposed for production	1	1	AS PER PLAN.
3b	Quantity of ROM mineral production proposed	5000 Ts	5013 MT	WITHIN LIMIT
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	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	AS PER PLAN.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	YES	DRILIING AND BLASTING IS BEING DONE.	NIL

3k	Provision of mining machineries in mineral benches	YES	SHOVEL=1 DUMPER-2 WT-1 (PARTIALLY USED WITH OTHER MINES/LEASE)	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	HEIGHT=8 MTR WIDTH=8 MTR	HEIGHT & WIDTH AREA MAINTAINED.
3m	Total area covered under excavation/pits	1.50.0 Hect	1.50.0 Hect	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	NIL
3o	Total area put in use under different heads at the end of year	PIT=1.5 HA ROADS=0.5 HA OTHERS=0.415	PIT=1.5 HA ROADS=0.5 HA OTHERS=0.415	NIL
3p	Production of ROM mineral during the last five year period as applicable	2014-15-5000 Ts 2015-16-5000 Ts 2016-17-5000 Ts 2017-18-5000 Ts 2018-19-5000Ts	2014-15-5047 Ts 2015-16-5000 Ts 2016-17-5000 Ts 2017-18-5082 Ts 2018-19 -5013 Ts	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)	NO TS AVAILABLE	NO TS AVAILABLE NO OB EXCAVATED	NIL
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	NIL

4c	Number of dumps within lease area and outside of lease area	NA	NA	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	NIL
4e	Number of active and alive dumps.	NIL	NIL	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NA	NA	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NOT REQUIRED	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	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	NO AREA WHERE MINERAL IS COMPLETELY EXHAUSTED.	NIL
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NO TOP SOIL AVAILABLE AND NO AREA WHERE ORE IS COMPLETELY MINED OUT.	NIL

5d	Total area fully reclaimed and rehabilitated	NIL	NIL	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).	YES	SUBMITTED	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL, AS NO AREA IS AVAILABLE WHERE MINERAL IS COMPLETELY MINED OUT
6c	afforestation done (ha).	NIL	NIL	ONLY PREPHERIAL PLANATATION WAS DONE .
6d	No. of saplings planted during the year	NIL	NIL	NIL
6e	Cumulative no .of plants	NIL	NIL	NIL
6f	Any other method of rehabilitation	NA	NA	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL, AS NO AREA IS AVAILABLE WHERE MINERAL IS COMPLETELY MINED OUT	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NA	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NIL, AS NO AREA IS AVAILABLE WHERE MINERAL IS COMPLETELY MINED OUT	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NO AREA AVAILABLE	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	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE
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	NO WASTE LAND AVAILABLE	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	Periodically Monitored	ALL PARAMETER WITHIN NORM.
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	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	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)	NO TOP SOIL AVAILABLE	NIL	NIL
8b	Concurrent use or storage of topsoil	NIL	NO TOPSOIL IS AVAILABLE	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)	NO RECLAMATION	NO RECLAMATION STARTED	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 NOS	50 NOS IN PREPHERIAL BOUNDARY	NIL
8g	Survival rate	80%	70%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	WATER TANKER IS USED	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 IN AR	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	PROVIDED IN PART-1 SL.NO-11	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL, NO PLANTATION IN PREVIOUS YEAR	NO AREA AVAILABLE FOR PLANTATION.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NO REJECTS GENERATED	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.252.52	Rs.252.52 IS GIVEN	NIL
9h	Scrutiny of Annual return on fixed assets	RS 241602930	AS FILED IN AR THE TOTAL VALUE OF LAND /MACHINE/ETC TOGETHER WITH OTHER LEASES.	NIL
9k	Scrutiny of Annual return on mining machineries	PROVIDED	PROVEDED IN AR	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

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines