

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

Review and updation of Mining Plan REPORT

Chennai regional office

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

Mine code : 38TMN33014

- (i) Name of the Inspecting : **M017**) **Matiul Islam**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. M. M. Ramesh, AGM (Mines) & Mr. B. Gangatharan, Q
Official with
Designation
- (iv) Date of Inspection : 21/10/2023
- (v) Prev.inspection date :

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 : 27/03/2003
- (h) Weekly day of rest : SUN
2. Address for : ALAMBADI VILL
correspondance : PALAYAM(VIA)-624620
DINDIGUL DIST
3. (a) Lease Number : TMN0851
- (b) Lease area : 2.42
- (c) Period of lease : 50
- (d) Date of Expiry : 27/01/2053
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/ : 17/08/2016
 Termination date

Geologist

Name : M.L.BALASHANMUGAM,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ : 17/08/2016
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	21/08/1990
Plan/Scheme of Mining		Existing rule 11 MCDR1988	25/04/2006
		Modif.approved Mining Scheme	03/06/2010
		Modif.approved Mining Scheme	03/06/2010
		Mining Scheme rule 12 MCDR1988	15/05/2014
		MP review under 17(1) MCR 2016	14/11/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Lease already fully explored upto G1 level
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	-do-
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	0.232 M.T	0.232 M.T	-do-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Geology & exploration of the lease was found satisfactory.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area proposed	No development required or proposed	Nil	As proposed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No OB or topsoil available.	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-do-
2d	Quantity of topsoil generation in m3	Nil	Nil	-do-
2e	Quantity of overburden generation in m3	Nil	Nil	-do-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	No development was required or proposed in the pit.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single Pit	Single Pit	As proposed
3b	Quantity of ROM mineral production proposed	4970 Ts	4368.66Ts	-do-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-do-
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	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.	Nil	Nil	Nil

3j	Provision of drilling and blasting in mineral benches	Drilling: Drill Depth-9m Subgrade Drill-0.5m Drill hole dia - 115mm Blasting: Spacing-3.5m, Burden-2.5m, Explosives - Slurrry Detonator - Nonel	Drilling: Drill Depth-9m Sub grade Drill-0.5m Drill hole dia - 115mm Blasting: Spacing-3.5m, Burden-2.5m, Explosives - Slurrry Detonator - Nonel	As proposed
3k	Provision of mining machineries in mineral benches	Shovel-1 (1.2 Cu.M) Tipper-1 (9.5 Cu.M)	Shovel-1 (1.2 Cu.M) Tipper-1 (9.5 Cu.M)	-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height-9 mtr, Width-9 mtr	Height-9 mtr, Width-9 mtr	-do-
3m	Total area covered under excavation/pits	1.50.0 Hect	1.50.0 Hect	-do-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	1:0.00	-do-
3o	Total area put in use under different heads at the end of year	1.742 Hect	1.742 Hect	-do-
3p	Production of ROM mineral during the last five year period as applicable	2018-19-5000Ts 2019-20-4998Ts 2020-21-4976Ts 2021-22-4997 Ts 2022-23-4970Ts	2018-19 -5013 Ts 2019-20-5000Ts 2020-21-4950Ts 2021-22-5000Ts 2022-23-4367 Ts	Within limits
3q	General remarks of inspecting officers on method of mining etc.	-	-	The method of mining was found satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No TS, OB or MR available within lease	Nil	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	Nil	Nil	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.	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	The lease is devoid of any waste material and thus no waste management is required.

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.	No Backfilling proposed	Nil	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	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No backfilling or reclamation was proposed or carried out during the year.

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	Along with Annual Return
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	Nil	0.2 Ha	No proposal during the year 2022-23, However we planted 40 trees @ 0.20 Ha
6d	No. of saplings planted during the year	Nil	40 nos	-do-
6e	Cumulative no .of plants	-	460 nos	Nil
6f	Any other method of rehabilitation	Nil	Nil	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	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
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.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodic monitoring proposed	Periodic monitoring carried out	All parameters within norms
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	There was no proposal under PMCP on account of the lease being small & surrounded by adjacent lease on all sides.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	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	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	Entire ROM generated is consumed. No issues observed with mineral conservation or beneficiation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Topsoil available for removal	Nil	Nil

8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB, waste, rejects or fines in the lease	Nil	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)	NA	NA	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	460 nos sapling planted cumulatively	Nil
8g	Survival rate	Not specified	75%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	As proposed
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	The aesthetic beauty in and around mines area was found satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Submitted	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri.M.M.Ramesh Manager (Mines), Mr.StalinPrakash - Geologist Mr.G.Balamurugan - Mining Engineer	Given in Part I, Sl 7-9	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits- 1.50 Ha Area under Plant buildings, roads and green belt- 0.915 Ha	Given in Part I, Sl 12	Nil
9d	Scrutiny of Annual return on afforestation	40 Nos	Given in Part V, Sl 5	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Given in Part V, Sl 3	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Given in Part VI, Sl 2 & 3	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine Price & Cost of Production - Rs.372.51	Given in Part VI, Sl 3 & Part VII	Nil
9h	Scrutiny of Annual return on fixed assets	GFA - Rs. 9,26,381/-	Given in Part II A	Nil
9k	Scrutiny of Annual return on mining machineries	Shovel-1 (1.2 Cu.M) Tipper-1 (9.5 Cu.M)	Given in Part V, Sl 6	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 :

(Matiul Islam)

Indian Bureau of Mines