

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/ANNA/LST-3.MDS

Mine code : 38TMN06011

- (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 : 20/10/2023
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DHOLIPPATTI**
- (b) **Registration NO.** : **IBM/170/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : DINDIGUL
- Village : DHOLIPPATTI
- Taluka : VEDASANDUR
- Post office : KARIKATTI
- Pin Code : 624723
- FAX No. : 04551 - 270666
- E-mail : info@chettinadmail.Com
- Phone : 04551 - 270720
- (f) Police Station : Guziliamparai
- (g) First opening date : 29/01/1990
- (h) Weekly day of rest : SUN
2. Address for : DOLIPATTI LIMESTONE MINE
correspondance GUZILIAMPARAI TALUK
DINDIGUL DISTRICT
3. (a) Lease Number : TMN1067
- (b) Lease area : 138.79
- (c) Period of lease :
- (d) Date of Expiry : 09/04/2018
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 : L.Murhukrishnan
 Rani Seethai Hall ,Anna
 Salai, Chennai CHENNAI
 CITY TAMIL NADU
 Phone: 914442149955,42
 FAX : 914428291558

Agent : V. KRISHNAN
 Chettinad Cement Corp Pvt
 Ltd Ariyalur Works,
 Keelapalur Post Ariyalur
 Taluk & Distt ARIYALUR
 TAMIL NADU
 Phone: 9788858216
 FAX :

Mining Engineer

Name : T. Balagokul, Full Time
 Qualification : B.E., (Mining Engineering)
 Appointment/ : 15/07/2021
 Termination date

Geologist

Name : N. Kirubanithi, Full Time
 Qualification : M.Sc., (Geo)
 Appointment/ : 03/07/2020
 Termination date

Manager

Name : R.Ravi Kumar
 Qualification :
 Appointment/ : 01/08/2008
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	14/07/1988
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25/09/2000
		Mining Scheme rule 12 MCDR1988	03/08/2006
		Renewal under rule 24 MCR1960	11/03/2008
		Mining Scheme rule 12 MCDR1988	15/05/2014
		MP modif under 17(3) MCR 2016	16/07/2018
		MP review under 17(1) MCR 2016	14/11/2018
		MP modif under 17(3) MCR 2016	03/08/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	21 Boreholes proposed in the year 2022-23	18 boreholes drilled	Violation pointed out.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Rs.16,18,750/-	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	14.73 Million Tons	14.85 Million Tons	Nil
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Violation pointed out for deviation from exploration proposal for the year.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mettukulathur N 1187345 to 1187585 E 184630 to 184905 Palayam 1 N 1185865 to 1186145 E 184550 to 184825	Mettukulathur N 1187345 to 1187585 E 184630 to 184905 Palayam 1 N 1185865 to 1186145 E 184550 to 184825	As proposed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Mettukulathur No.of Benches in OB - 3 ,Ore - 2 Palayam 1 No.of Benches in OB - 2 ,Ore - 1	Mettukulathur No.of Benches in OB - 3 ,Ore - 2 Palayam 1 No.of Benches in OB - 2 ,Ore - 1	-do-

2c	Stripping ratio or ore to OB ratio	1:1.20	1:0.98	Within limit
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	2,20,393 cu.m.	2,07,496 cu.m.	Within limit
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Development of pit w.r.t. type of deposit was found satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	As proposed
3b	Quantity of ROM mineral production proposed	7,55,513Ts	6,03,994.95Ts	Within limit
3c	Recovery of sailable/usable mineral from ROM production	80% (6,04,410.4 tonnes)	91.5% (5,52,655.38 tonnes)	-do-
3d	Quantity of mineral reject generation	151103 Ts	51339.57 Ts	-do-
3e	Grade of mineral rejects generation and threshold value declared.	Cao 34 to 39	Cao 34 to 39	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	Yes, Drilling- drill dia - 115mm, Burden 2.5m & Spacing 3m Subgrade drilling 0.5m Blasting- Slurry cartridge & Nonel detonator.	Drilling- drill dia - 115mm, Burden 2.5m & Spacing 3m Subgrade drilling 0.5m Blasting- Slurry cartridge & Nonel detonator.	As proposed
3k	Provision of mining machineries in mineral benches	Type of Machinery Capacity of each unit No.of Units (ii)Hydraulic Excavator- Hitachi 2.1CUM 3 (i) Hydraulic Excavator- Breaker) 1.2CUM 2 Dozer D 10 2 Tipper 10 CUM 16 Rock Drill (Non Electric) 115.0MM 4 Pumbs (Elec) 40hp/25hp 2 Explosive Van 10 Tonnes 1	Type of Machinery Capacity of each unit No.of Units (ii)Hydraulic Excavator- Hitachi 1.4CUM 2 (i) Hydraulic Excavator- Breaker) 1.2CUM 2 Front End Loader 1.2 CUM 1 Tipper 10 CUM 10 Rock Drill (Non Electric) 115.0MM 1 Pumbs (Elec) 1500 L/MN 2 Explosive Van 10 Tonnes 1	-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height-10M Width-10M	Height-10M Width-10M	-do-
3m	Total area covered under excavation/pits	46.18 Ha	46.18 Ha	-do-

3n	Ore to OB ratio for the pit/mine during the year.	1:1.20	1:0.98	Within limit
3o	Total area put in use under different heads at the end of year	77.66 Ha	76.946 Ha	-do-
3p	Production of ROM mineral during the last five year period as applicable	2018-19-1365728 Ts 2019-20-601654 Ts 2020-21-443378 Ts 2021-22-600157 Ts 2022-23-604410 Ts	2018-19-414046 Ts 2019-20-565453 Ts 2020-21-443378 Ts 2021-22-572306.75 Ts 2022-23-603994.95 Ts	-do-
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
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Top soil. Separate dumping of OB & MR proposed.	Separate dumping carried out	As proposed
4b	Location of topsoil, OB and mineral reject dumps	MTK OB - N 1187150 to N1187310 N 1187580 to N 1187725 E 184880 to 185065 E 184570 to 184710 PalayamII OB N 1185110 to 1185245 E 183355 to 183565 PalayamI MR N 1186410 to 1186535 E 184685 to 184866	MTK OB - N 1187150 to N1187310 N 1187580 to N 1187725 E 184880 to 185065 E 184570 to 184710 PalayamII OB N 1185110 to 1185245 E 183355 to 183565 PalayamI MR N 1186410 to 1186535 E 184685 to 184866	-do-

4c	Number of dumps within lease area and outside of lease area	Within ML : 3	Within ML : 3	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	-do-
4e	Number of active and alive dumps.	Active -3 Alive -2	Active -3 Alive -2	-do-
4f	Number of dead dumps.	4	4	-do-
4g	Number of dumps established.	4		-do-
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain proposed	Garland drain maintained	-do-
4i	Length of Retaining wall or garland drain all along dumps	Garland drain- 1420m x1.5m x1.5m	Garland drain-1420m x1.5m x1.5m	-do-
4j	Number of settling ponds	1		-do-
4k	Specific comments of inspecting officer on waste dump management	-	-	Waste dump management was found 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.	No proposal	Nil	Nil
5b	Area under backfilling of mined out area	NA	NA	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	Nil

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

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	As proposed
6b	Area available for rehabilitation (ha) .	Nil	Nil	-do-
6c	afforestation done (ha).	2.0 Ha	2.0 Ha	-do-
6d	No. of saplings planted during the year	2000	2100	-do-
6e	Cumulative no .of plants	-	18170	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do
6g	Cost incurred on watch and care during the year	Rs.75000	Rs.80000	-do-
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 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.	-	-	PMCP Compliance & progressive closure operations were found satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	No sorting carried out	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	Nil
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Nil
7d	Any beneficiation process at mines .	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No issues were observed with mineral conservation or beneficiation.

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	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps of OB & MR	Separate dumps of OB & MR	As proposed
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	18170 nos saplings planted cumulatively	Nil
8g	Survival rate	80%	80%	As proposed
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed	Water sprinkling on haul roads carried out	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	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 in time	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Shri.T.Eniyan Mining Engineer Geologist Shri. N.Kirubanithi Shri.R. Thamarai Kannan.	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.	Pit Area- 46.18 Ha Waste disposal-16.98 Ha Buildings & Roads- 3.786Ha Other purpose(Green Belt)-10.0 Ha	Given in Part I, Sl 12	Nil
9d	Scrutiny of Annual return on afforestation	Afforestation- 2100 trees	Given in Part V, Sl 5.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject-51339 Tonnes	Given in Part V, Sl 3	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Stock - 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 & Production cost-304.94	Given in Part VI, Sl 3 & Part VII	Nil
9h	Scrutiny of Annual return on fixed assets	GFA- Rs.62698661/-	Given in Part II A	Nil

9k	Scrutiny of Annual return on mining machineries	Type of Machinery Capacity of each unit No.of Units (ii)Hydraulic Excavator- Hitachi 1.4CUM 2 (i) Hydraulic Excavator- Breaker) 1.2CUM 2 Front End Loader 1.2 CUM 1 Tipper 10 CUM 10 Rock Drill (Non Electric) 115.0MM 1 Pumbs (Elec) 1500 L/MN 2 Explosive Van 10 Tonnes 1	Given in Part V, Sl 6	Nil
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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
MCDR17	Rule 11(1)	20/12/2023			

Date :

(Matiul Islam)

Indian Bureau of Mines