

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

MCDR INSPECTION REPORT

Chennai regional office

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

Mine code : 38TMN06011

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri M.Mayilrajan GM Mines & Shri Ravikumar DGM(Mines
Official with
Designation
- (iv) Date of Inspection : 05/11/2020
- (v) Prev.inspection date : 20/11/2019

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 : Gujiliamparai
- (g) First opening date : 29/01/1990
- (h) Weekly day of rest : SUN
2. Address for : DOLIPATTI LIMESTONE MINE
correspondance VEDASANDUR TK
DINDIGUL DT
3. (a) Lease Number : TMN1067
- (b) Lease area : 138.79
- (c) Period of lease : 20
- (d) Date of Expiry : 05/02/2009
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 : R. A. KRISHNAKUMAR
 Executive Director Dalmia
 cements(B) Ltd.,
 Dalmiapuram TIRUCHIRAPALLI
 TAMIL NADU
 Phone: 04329-294632
 FAX : 04329-235111

Mining Engineer

Name : S.VIJAYA PRAKASH,Full Time
 Qualification :
 Appointment/ : 07/07/2005
 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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	nA	Exploration in G1 category is not completed.
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	FULLY EXPLORED
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NA	34 Holes - 1960 mtr - core by ACC (1996-97) Min. Depth - 25.50 mtr Max. Depth - 135.0 mtr. 26 Holes - 369.8 mtr - DTH by CCCPL - 1996-97 Min. Depth - 6.0 m Max. Depth - 35.0 m 7 Holes - 648 mtrs - Core - Holtec (2014-2015) Min. Depth -70.00 mtr Max. Depth - 135.0 mtr. Total 67 Holes - 2977.8 mtrs)
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	NA	NIL
1e	Balance reserve as on 01/04/20	14.68M.T(111 category)	14.68M.T(111 category)	As per G1 Exploration
1f	General remarks of inspecting officers on geology, exploration etc	-----	-----	geology, exploration is found satisfactory

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	1.)MTK- N 18430 to 184541 E 184588 to 184796 N 1187096 to 1187277 E 184204 to 184436 2.)PLM-I N 1186100 to 118640 E 184000 to 185000 3.)PLM-II N 1185200 to 1185400 E 184000 to 184200	1.)MTK- N 18430 to 184541 E 184588 to 184796 N 1187096 to 1187277 E 184204 to 184436 2.)PLM-I N 1186100 to 118640 E 184000 to 185000 3.)PLM-II N 1185200 to 1185400 E 184000 to 184200	As per plan
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No.of Benches in OB - 3 Benches Ore - 2 Benches	No.of Benches in OB - 3 Benches Ore - 2 Benches	As per plan
2c	Stripping ratio or ore to OB ratio	1:0.73	1:0.73	nil
2d	Quantity of topsoil generation in m3	NIL	NA	No topsoil is likely to be generated during the Scheme period
2e	Quantity of overburden generation in m3	1,68,631 M3	1,68,233 M3	Only rejects are Generated in Mines
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	-----	development of pit is as per the proposal

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	03	03	as per the proposal
3b	Quantity of ROM mineral production proposed	6,01,654 Ts	5,65,453 Ts	Within limit

3c	Recovery of sailable/usable mineral from ROM production	NIL	NA	nil
3d	Quantity of mineral reject generation	4,38,440 Ts	4,37,406 Ts	Within limit
3e	Grade of mineral rejects generation and threshold value declared.	<35 CaO	<35 CaO	nil
3f	Quantity of sub grade mineral generation.	NIL	NA	No sub grade
3g	Grade of sub grade mineral generation	NIL	NA	no sub grade
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	NA	NIL
3j	Provision of drilling and blasting in mineral benches	yes	yse	As per plan
3k	Provision of mining machineries in mineral benches	Yes, Shovel - 2 Nos. Breaker - 1 No. Taraus - 8 Nos. Drill - 1No. Loader - 1 No. Dozer - 1 No. Water Tanker - 1 No	Yes, Shovel - 2 Nos. Breaker - 1 No. Taraus - 8 Nos. Drill - 1No. Loader - 1 No. Dozer - 1 No. Water Tanker - 1 No	As per plan
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Heigh t - 9.5 mtr. Width - 8 mtr.	Heigh t - 9.5 mtr. Width - 8 mtr.	As per plan

3m	Total area covered under excavation/pits	45.11.0 ha.	45.11.0 ha.		Mining is only going downwards
3n	Ore to OB ratio for the pit/mine during the year.	1:0.73	1:0.73		
3o	Total area put in use under different heads at the end of year	Mining - 45.11 Ha. Roads - 3.78 Ha. Dump- 11.72 Ha. Plantation - 8.70 Ha. Total - 68.61 Ha.	Mining - 45.11 Ha. Roads - 3.78 Ha. Dump- 11.72 Ha. Plantation - 8.70 Ha. Total - 68.61 Ha.		As per plan
3p	Production of ROM mineral during the last five year period as applicable	2015-16- 1400000 Ts 2016-17- 1400000 Ts 2017-18- 1400000 Ts 2018-19- 1365728 Ts 2019-20- 601654 Ts	2015-16 - 213253 Ts 2016-17- 249205 Ts 2017-18 - 278723 Ts 2018-19- 414046 Ts 2019-20- 565453 Ts		Within Limit
3q	General remarks of inspecting officers on method of mining etc.	---	---		method of mining is 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)	Mineral Reject - 2 Dumps	Mineral Reject - 1 Dumps	NIL
4b	Location of topsoil, OB and mineral reject dumps	The reject dump yards are located in the barren, non-mineral bearing areas in the mining lease area.	The reject dump yards are located in the barren, non-mineral bearing areas in the mining lease area.	as per the proposal
4c	Number of dumps within lease area and outside of lease area	Within Lease-04 Outside Lease-03	Within Lease-04 Outside Lease-03	Dumps which are Outside the lease areas are inactive.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	1200 mtr from NW of Palayam Pit	1200 mtr from NW of Palayam Pit	As per plan
4e	Number of active and alive dumps.	Active - 3 Dead - 4	Active - 3 Dead - 4	
4f	Number of dead dumps.	04	04	
4g	Number of dumps established.	04	04	
4h	Whether Retaining wall or garland drain all along dumps are there.	Provided	As per Proposal	As per Proposal
4i	Length of Retaining wall or garland drain all along dumps	proposed	1152 mtr.	nil
4j	Number of settling ponds	02	02	NIL
4k	Specific comments of inspecting officer on waste dump management	----	----	waste dump management is 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	Mineral not extracted completely	Mineral not extracted completely
5b	Area under backfilling of mined out area	NIL	NA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NA	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NA	NIL

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-----	-----	Mineral not extracted completely
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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).	YES	Submitted on 29.06.2020	submitted in time
6b	Area available for rehabilitation (ha) .	NIL	NA	Not at this stage mineral not full mine out
6c	afforestation done (ha).	2.0 Ha	0.70 Ha	undr progasse
6d	No. of saplings planted during the year	2000 Nos.	1200 Nos.	plantation under perogarse
6e	Cumulative no .of plants		10,850 Nos.--	nil
6f	Any other method of rehabilitation	NIL	NA	No other specific method of rehabilitation
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	No Land available	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 backfilled area	NIL	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NA	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	NA	No other specific means
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NIL	NA	No waste Land available
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Carried out on regular basis	nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	---	PMCP compliance and progressive closure operations is found 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	NA	No grade-wise sorting at mine haead,
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NA	No grade-wise sorting at mine haead
7c	Different grade of mineral sorted out at mines.	NIL	NA	NIL
7d	Any beneficiation process at mines	NIL	NA	Nobeneficiation process at mines
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	----	Mineral conservation & beneficiation is found satisfactory

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NA	No Topsoil is proposal to remove
8b	Concurrent use or storage of topsoil	NIL	NA	No top soil generation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	Active - 1 Dead - 4	Dumps which are outside the lease area are inactive
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NA	Mineral not extracted completely

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NA	Not at this stage
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000 Trees/Year	1200 Nos.	Plantation under progassive
8g	Survival rate	100%	75%	NIL
8h	Water sprinkling on roads to control airborne dust	Propodse	Water sprinkling is carried out	as per the proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	----	aesthetic beauty in and around mines area is good

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted in Time	M.R. Submitted upto Date 07.09.2020. A.R. submitted upto Date 29.06.2020	Submitted in Time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr.R.Ravi Kumar Geologist Mr.S.Vijaya prakash Mining Engineer	Mr.R.Ravi Kumar Geologist Mr.S.Vijaya prakash Mining Engineer	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in the format	68.61.0 Ha.	Part-I Sl. No 12
9d	Scrutiny of Annual return on afforestation	Given in the format	1200 Nos	Part-I Para 4.4

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in the format	4,37,406 Ts	Part-V General Geology, Sl.No.4.2(B)
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in the format	NA	Part-VI, Sl.No.2
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in the format	Rs.336.76/Ton	Part - VII(cost of Production)-
9h	Scrutiny of Annual return on fixed assets	Given in the format	Rs. 24,16,02,930	Part - III,Sl.No.
9k	Scrutiny of Annual return on mining machineries	Given in the format	Shovel - 2 Nos. Breaker - 1 No. Taraus - 8 Nos. Drill - 1No. Loader - 1 No. Dozer - 1 No. Water Tanker - 1 No.	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines