

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/TCR/LST-2/MDS

Mine code : 38TMN14007

- (i) Name of the Inspecting : **M017**) **Matiul Islam**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : M.R.Raja Ranjith Singh -Deputy General Manager, B R
Official with
Designation
- (iv) Date of Inspection : 23/11/2020
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALLAKUDI G.O.1253**
- (b) **Registration NO.** : **929**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : TIRUCHIRAPALLI
- Village : KALLAKUDI
- Taluka : LALGUDI
- Post office : KALLAKUDI
- Pin Code : 621651
- FAX No. : 04329-235111
- E-mail : s.makesh@dalmiacement.com
- Phone : 04329-235459, 9865165326
- (f) Police Station : DALMIAPURAM
- (g) First opening date : 05/10/1939
- (h) Weekly day of rest : SUN
2. Address for : DALMIA CEMENT (BHARAT) LIMITED
correspondance DALMIAPURAM-621651
3. (a) Lease Number : TMN0114
- (b) Lease area : 44.82
- (c) Period of lease :
- (d) Date of Expiry : 31/08/1985
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : DALMIA CEMENT (BHARAT) LIMITED
 TIRUCHIRAPALLI TAMIL
 NADU
 Phone:
 FAX :

Owner : T. VENKATESAN
 Dy. Managing Director
 Dalmia Cement (B) Ltd
 CHENNAI CITY TAMIL NADU
 Phone: 044-28279933, 9
 FAX : 044-28276508

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

Mining Engineer

Name : S.VIJAY, Full Time
 Qualification : B.E., MINING
 Appointment/ : 01/08/2006 13/06/2007
 Termination date

Mining Engineer

Name : S. Vinodhraj, Full Time
 Qualification : BE (Mining)
 Appointment/ : 14/06/2007
 Termination date

Geologist

Name : N.Karthikeyan, Full Time
 Qualification : MSc., (Applied Geology)
 Appointment/ : 05/11/2009
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	04/03/2003
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	23/07/2003
		Renewal under rule 22 MCR1960	23/07/2003
		Renewal under rule 22 MCR1960	23/07/2003
		Modif.of approved Mining Plan	06/02/2004
		Modif.of approved Mining Plan	06/02/2004
		Mining Scheme rule 12 MCDR1988	18/03/2008
		Mining Scheme rule 12 MCDR1988	18/03/2008
		Mining Scheme rule 12 MCDR1988	18/03/2008
		Mining Scheme rule 12 MCDR1988	01/04/2009
		Mining Scheme rule 12 MCDR1988	02/04/2014
		Mining Scheme rule 12 MCDR1988	20/05/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Lessee area fully explored to G1 level
1b	Exploration over lease area for geological axis 1 or 2	G-1	G-1	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	Nil
1e	Balance reserve as on 01/04/20	-	Category Limestone Reserves Marl Reserves Proved Mineral Reserve (111) 21250 9071 Feasible Mineral Resources (211) 496572 167585 Total 517822 176656	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	The deposit area is devoid of any overburden and limestone is exposed all over the area.	Nil	Mine temporarily discontinued wef 27.11.2018
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	No Top Soil or OB
2c	Stripping ratio or ore to OB ratio	NA	NA	Mine temporarily discontinued

2d	Quantity of topsoil generation in m3	NA	NA	Nil
2e	Quantity of overburden generation in m3	NA	NA	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Satisfactory

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	Nil	Mine temporarily discontinued wef 27.11.2018
3b	Quantity of ROM mineral production proposed	5,984 te (in the scheme period)	Nil	Mine temporarily discontinued
3c	Recovery of sailable/usable mineral from ROM production	100%	Nil	Mine temporarily discontinued
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.	NA	NA	Nil
3g	Grade of sub grade mineral generation	NA	NA	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	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	Nil	Nil	Nil
3k	Provision of mining machineries in mineral benches	Yes	Nil	Mine temporarily discontinued
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7.5 mts	7.5 mts	As proposed
3m	Total area covered under excavation/pits	Size of Pit 1- 197x 53 x 29.5 Meters	1.135ha is covered under excavation	As per plan
3n	Ore to OB ratio for the pit/mine during the year.	NA	NA	OB doesn't exist
3o	Total area put in use under different heads at the end of year	Area under Mining - 1.045Ha Plant, Buildings - 0.090Ha Roads - 0.090Ha TOTAL - 1.135Ha	Area under Mining - 1.045Ha Plant, Buildings - 0.090Ha TOTAL - 1.135 Ha	As per proposal
3p	Production of ROM mineral during the last five year period as applicable	Year Proposed 2015-16 10780 2016-17 7507 2017-18 6015 2018-19 6006 2019-20 5984	Year Actuals 2015-16 1439 2016-17 1942 2017-18 0 2018-19 0 2019-20 0	Mine temporarily discontinued
3q	General remarks of inspecting officers on method of mining etc.	-	-	Satisfactory

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NA	No OB or Top Soil
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	No OB or Top soil
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	No OB or Top soil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	No OB or Top soil
4e	Number of active and alive dumps.	Nil	Nil	No OB or Top soil
4f	Number of dead dumps.	NA	NA	No OB or Top soil
4g	Number of dumps established.	NA	NA	No OB or Top soil
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	No OB or Top soil
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	No OB or Top soil
4j	Number of settling ponds	Nil	Nil	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.	NA	NA	Mineral not yet exhausted

5b	Area under backfilling of mined out area	NA	NA	No proposal for back filling
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	No topsoil occurrence
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	Submitted on 01-07-2020
6b	Area available for rehabilitation (ha) .	Nil	Nil	Mineral not exhausted completely
6c	afforestation done (ha).	Nil	Nil	Mine temporarily discontinued w.e.f. 27/11/2018
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	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	No backfilling proposed	No backfilling carried out	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)	Proposed to be carried out quarterly	M/s.ITC labs, Chennai is engaged for monitoring Environmental data on a Quarterly basis	Complied
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	No sorting proposed	No sorting carried out	Mine temporarily discontinued
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	-	-	Mine temporarily discontinued

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	No top soil generation

8b	Concurrent use or storage of topsoil	NA	NA	No top soil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	No generation of OB/Waste/Rejects/Fines
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	No generation of OB/Waste/Rejects/Fines
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Mine temporarily discontinued
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	Mine temporarily discontinued
8g	Survival rate	90%	90%	As proposed
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling only carried out on need-basis as no mining activities being undertaken	Mine temporarily discontinued w.e.f. 27/11/2018
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	Given	Submitted in time	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given in Part I, Sl. 2	Manager B. RADHA KRISHNA KANTH Mining Engineer in charge B.RADHAKRISHNAKANTH Geologist in charge N.KARTHIKEYAN	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in Part I, Sl. 12	Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 1.045 1.045 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.090 0.090 (vi) Other Purpose () 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan	Nil
9d	Scrutiny of Annual return on afforestation	Given in Part V, Sec 4. Mining Operations during the year	4.4 (i) Number of trees planted during the year (a) Within lease area 0 (b) Outside lease area 0 (ii) Species 0 (iii) Survival rate in percentage 0.00	Nil

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in Part V, Sec 4 - Mineral Rejects for Limestone & Marl	4.2 (B) (ii) Mineral Rejects generated with grades (tonnes) a. Quantity 0 b. Grade 0	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in Part VI, Sl 1.	Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 0.000 0.000 (b) Underground Workings 0.000 0.000 0.000 (c) Dump Workings 0.000 0.000 0.000	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in Part VI, Sl 2 & Part VII	Ex-mine Price - Nil	Mine temporarily discontinued w.e.f. 27/11/2018
9h	Scrutiny of Annual return on fixed assets	Given in Part II(A)(Capital Structure)	Net Total Assests: Rs 27,94,48,015/-	Nil
9k	Scrutiny of Annual return on mining machineries	Given in Part V, Sec - 5/6/8/9	No machinery deployed	Mine temporarily discontinued

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