

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST/-5,Mds

Mine code : 38TMN14020

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : E.Vasudeva, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 28-MAR-18
- (v) Prev.inspection date : 01-AUG-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PERIANGALUR**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : ARIYALUR
- Village : PERIANGALUR
- Taluka : ARIYALUR
- Post office :
- Pin Code : 621704
- FAX No. :
- E-mail : s.makesh@dalmiacement.com
- Phone : (04329) 22004
- (f) Police Station : ARIYALUR
- (g) First opening date : 08-SEP-65
- (h) Weekly day of rest : SUN
2. Address for : DALMIA CEMENT (BHARAT) LIMITED
correspondance DALMIAPURAM-621651
3. (a) Lease Number : TMN0109
- (b) Lease area : 70.01
- (c) Period of lease : 20
- (d) Date of Expiry : 07-SEP-85
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 : E.VASUDEVAN, Full Time
 Qualification : B.E (MINING), MBA
 Appointment/ : 20-AUG-10
 Termination date

Geologist

Name : S. Selvakumar, Full Time
 Qualification : M.Sc. (Applied Geo)
 Appointment/ : 01-DEC-08
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	04-FEB-98
Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	09-SEP-03
	:	Modif.of approved Mining Plan	31-DEC-03
	:	Mining Scheme rule 12 MCDR1988	18-MAY-11
	:	Mining Scheme rule 12 MCDR1988	09-FEB-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 NosProposed	11 Nos	
1b	Exploration over lease area for geological axis 1 or 2	70.01.0 Hect	70.01.0 Hect	The entire lease hold area falls under 111, 211 & 221 Classification.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	5.12 lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	9425612	9425612	
1f	General remarks of inspecting officers on geology, exploration etc	--	geology, exploration if the lease is foud good	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	6th bench	As per the proposal at 6th bench	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	No presence of top soil and OB	
2c	Stripping ratio or ore to OB ratio	Not applicable	Not applicable	
2d	Quantity of topsoil generation in m3	Not applicable	Not applicable	
2e	Quantity of overburden generation in m3	Not applicable	Not applicable	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-- --	development of pit is found systematically
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	798800 M	797354 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	--	130568 MT Ferogenos limestone	
3e	Grade of mineral rejects generation and threshold value declared.	nil	NIL	Ferogenos limestone Fe ₂ O ₃ -8 to 12.3 %
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	As per proposed in SOM	As per proposed in SOM	

3k	Provision of mining machineries in mineral benches	As per proposed in SOM	As per proposed in SOM
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m	6m
3m	Total area covered under excavation/pits	53.23 H.a	53.23 H.a
3n	Ore to OB ratio for the pit/mine during the year.	Not applicable	NIL
3o	Total area put in use under different heads at the end of year	70.01 H.a	70.01 H.a
3p	Production of ROM mineral during the last five year period as applicable	2010-11 806250 2011-12 797055 2012-13 821438 2013-14 790088 2014-15 816681 2015-16 796825	2010-11 797532 2011-12 799499 2012-13 785876 2013-14 733538 2014-15 715347 2015-16 795821
3q	General remarks of inspecting officers on method of mining etc.	-- --	method of mining is found systematically

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside of lease area	one with in tha lease	one with in tha lease	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Western part of the lease	Western part of the lease
4e	Number of active and alive dumps.	Active - 1	Active - 1
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	one	one
4h	Whether Retaining wall or garland drain all along dumps are there.	Propose	Provided
4i	Length of Retaining wall or garland drain all along dumps	300x2x1 (mtr.)	300x2x1 (mtr.)
4j	Number of settling ponds	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	-- --	waste dump management is found good

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	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	

5e General remarks -- -- back filling,
of inspecting officers on reclamation does nor
backfilling and arise at the stage
reclamation etc.

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).	NOT proposed at the stage	Not applicable	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	All the benches are active ate the stage
6d	No. of saplings planted during the year	Not applicable	NIL	
6e	Cumulative no .of plants	Not applicable	NIL	
6f	Any other method of rehabilitation	Not applicable	NIL	
6g	Cost incurred on watch and care during the year	Not applicable	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not applicable	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable	NIL	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not applicable	NIL	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	NIL	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable	NIL	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not applicable	No waste land	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not applicable	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	To be carried out every Quarter	Carried ou by M/s Ensyscon, Chennai is engaged for monitoring Environmental data on a Quarterly basis	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-- --	PMCP compliance & progressive closure operations founs 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	Despatch - 798800	Despatch - 797354
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable
7d	Any beneficiation process at mines	Not applicable	Not applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-- --	Mineral conservation & beneficiation issues is found satisfactory

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil is present	No topsoil is present	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	--	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	After mining is completed, the entire lease area will be converted into water reservoir.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	150 nos. Per year	200 nos. Per year	
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Provided	Provided	
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	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining enginer Name: E. Vasudevan,	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	As per the proposal	
9d	Scrutiny of Annual return on afforestation	Given	As per the proposal	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	As per the proposal
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	As per the proposal
9h	Scrutiny of Annual return on fixed assets		
9k	Scrutiny of Annual return on mining machineries	Submitted	As per the proposal

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