INDIAN BUREAU OF MINES
MINERALS DEVELOPMEMT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/RP/LST-5/MDS **Mine code : 38TMN30031**

(i) Name of the Inspecting Officer and ID No. : **T003) S.THIRUNAVUKKARASU**

(ii) Designation : Senior Mining Geologist

(iii) Accompaning mine Official with Designation : Mr.L.Venkataramasubramanian AGM (GEOLOGY)

(iv) Date of Inspection : 16/07/2017

(v) Prev.inspection date : 07/02/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PANDALGUDI&K.PUDUR LST.(G**

(b) Registration NO. : **IBM/638/2011**

(c) Category : A Fully Mechanised

(d) Type of Working : Opencast

(e) Postal address

State : TAMIL NADU
District : VIRUDHUNAGAR
Village : PANDALGUDI
Taluka : ARUPPUKOTTAI
Post office : PANDALGUDI
Pin Code : 626113
FAX No. : 04562-256268
E-mail : adminrrm@madrascements.co.
Phone : 04562-256201

(f) Police Station : PANDALGUDI

(g) First opening date : 18/03/1998

(h) Weekly day of rest : SUN

2. Address for correspondance : RAMASAMIRAJA NAGAR,
RAJAPALAYAM,
VIRUDHUNAGAR- 626 204.

3. (a) Lease Number : TMN0762
(b) Lease area : 9.46
(c) Period of lease : 20
(d) Date of Expiry : 17/03/2018

4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MADRAS CEMENTS LIMITED
Auras Corporate Center Vth Floor, 98 A Dr.Radha Krishnan salai, Mylapore
CHENNAI CITY TAMIL NADU
Phone:044-28478666
FAX :044-28478676

Owner : MADRAS CEMENTS LIMITED
AURAS CORPORATE CENTRE V FLOOR, 98-A,DR RADAKRISHNAN ROAD MYLAPORE, CHENNAI - 600 004 PERAMBALUR TAMIL NADU
Phone:
FAX :

Agent : K.GOWRAPPAN, VP(MINING OPERATION)
RAMASAMYRAJANAGAR
VIRUDUNAGAR DISTRICT
VIRUDHUNAGAR TAMIL NADU
Phone: 04562-56201
FAX : 04562-45019

6. Date of approval of Mining Plan/Scheme of Mining :

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	4.745 HECT	4.745 HECT	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	LEASSEE	LEASSEE	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	0.026 Mil.Tons	0.026 Mil.Tons	
1f	General remarks of inspecting officers on geology, exploration etc		General geology, exploration are find good	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per the Approved Mining Plan	As per the Approved Mining Plan	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	
2c	Stripping ratio or ore to OB ratio	YES	YES	
2d	Quantity of topsoil generation in m3	No topsoil generation	No topsoil generation	
2e	Quantity of overburden generation in m3	No overburden generation	No overburden generation	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	development of pit fins satisfactory

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pits proposed	1 pits	
3b	Quantity of ROM mineral production proposed	7425	6683	
3c	Recovery of sailable/usable mineral from ROM production	Recovery of salable/usable mineral 90%	Recovery of salable/usable mineral 90%	
3d	Quantity of mineral reject generation	Quantity of mineral reject generation 743	Quantity of mineral reject generation 200	
3e	Grade of mineral rejects generation and threshold value declared.	<35 CaO	<35 CaO	
3f	Quantity of sub grade mineral generation.	Quantity of sub-grade mineral generation-Nil	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
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	YES	YES	

3k	Provision of mining machineries in mineral benches	YES	YES
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	height of benches -9M	9M
3m	Total area covered under excavation/pits	4.745 Ha	4.745 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.10
3o	Total area put in use under different heads at the end of year	4.745 Ha	4.745 Ha
3p	Production of ROM mineral during the last five year period as applicable	2012-13=55,555 2013-14=55,555 2014-15=55,555 2015-16=55,555 (ML 22.0 to 25.0 Above +16 RL) 2016-17=7,425 (ML 24.5 to 25 Above 34 RL)	2012-13=12,175 2013-14=Nil 2014-15=3,239 2015-16= Nil 2016-17=6,683 (ML 24.5 to 25 Above 34 RL)
3q	General remarks of inspecting officers on method of mining etc.		Production achive ment lees

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Existing Dump to be used	Complied as per the Proposal	
4b	Location of topsoil, OB and mineral reject dumps	NOT Applicable	NOT Applicable	

4c	Number of dumps within lease area and outside of lease area	NOT Applicable	NOT Applicable
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed with inultimate pit limit (Rule 16)	As per the proposal
4e	Number of active and alive dumps.	ONE	ONE
4f	Number of dead dumps.	Not applicable	Not applicable
4g	Number of dumps established.	Not applicable	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable
4j	Number of settling ponds	Not applicable	Not applicable
4k	Specific comments of inspecting officer on waste dump management		waste dump management 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.	NIL	NIL	
5b	Area under backfilling of mined out area	No Area under backfilling of mined out area is proposed	As per the approved mining plan	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	Not applicable	

5d	Total area fully reclaimed and rehabilitated	Not applicable	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The backfilling, reclamation foun 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).	Periodically Submitted	Periodically Submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NIL	NIL	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1000 nos	1100 nos
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.48 Ha	0.48 Ha
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodically Monitored	Periodically Monitored
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP compliance & progressive closure operations is found satisfactory

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	
7c	Different grade of mineral sorted out at mines.	NIL	NIL	
7d	Any beneficiation process at mines .	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mineral conservation & beneficiation issues is satisfactory	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	
8b	Concurrent use or storage of topsoil	NOT APPLICABLE	NOT APPLICABLE	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB Dump Provided	OB Dump Provided	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not At this Stage	Not applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NOT APPLICABLE	NOT APPLICABLE
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 Nos	1100 Nos
8g	Survival rate	80 %	80 %
8h	Water sprinkling on roads to control airborne dust	10 KL Water Tanker	As per Proposal
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around mines area is founs satisfactory

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	As per filed Annual Return	As per filed Annual Return	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per filed Annual Return	As per filed Annual Return	
9d	Scrutiny of Annual return on afforestation	As per filed Annual Return	As per filed Annual Return	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	311.78	311.78
9h	Scrutiny of Annual return on fixed assets	15700000	As per filed Annual Return
9k	Scrutiny of Annual return on mining machineries	Provided	As per filed Annual Return

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 :

(**S.THIRUNAVUKKARASU**)

Indian Bureau of Mines