

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/KDC/LST-10.MDS

Mine code : 38TMN28033

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri A.V.Elamurugan, Lessee
Official with
Designation
- (iv) Date of Inspection : 02/08/2017
- (v) Prev.inspection date : 10/08/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **K.PITCHAMPATTI LIMESTONE**
- (b) **Registration NO.** : **IBM/4915/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : KARUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 14/09/1998
- (h) Weekly day of rest : SUN
2. Address for : 20/A, KONERIPATTI EXTN-II
correspondance RASIPURAM-637408
RASIPURAM, NAMAKKAL DT.
3. (a) Lease Number : TMN1086
- (b) Lease area : 1.02
- (c) Period of lease : 20
- (d) Date of Expiry : 13/09/2018
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MOTHER EARTH MINERALS.
NO-8, 30 FEET ROAD,
R.K.PURAM (NORTH) KARUR
KARUR TAMIL NADU
Phone:
FAX :

Owner : Sri A.V.Elamurugan
Mother Earth Minerals
No.20-A,Koneripettai
Extension-II,
Rasipuram,Namakkal district
NAMAKKAL TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	11/05/2012
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	05/11/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	03 no of bore holes for 9m depth of each.	NIL.	-
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Axis-1	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL.	NIL.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL.	NIL.	Depth of mineralisation to be proved.
1e	Balance reserve as on 01/04/20	41007tonnes(ROM)&26716Lst(111)	40021tonnes(ROM) & 27530 tonnes(Limestone)(111)	Due to less production during the previous years.
1f	General remarks of inspecting officers on geology, exploration etc			Mine is not working for want of EC clearance.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development of existing pit from western side of ML .	As proposed.	Mine not working.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	As proposed.	
2c	Stripping ratio or ore to OB ratio	1:0.66	As proposed.	-
2d	Quantity of topsoil generation in m3	364Tonnes	-	

2e	Quantity of overburden generation in m3	1554Tonnes	-	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development is as per the approved proposals.	Mine is not working.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit .	One pit approximately about 76mx60mx15m depth.	
3b	Quantity of ROM mineral production proposed	5179tonnes	3099tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	3625tonnes.	3099tonnes.	
3d	Quantity of mineral reject generation	2071tonnes.	1545tonnes.	-
3e	Grade of mineral rejects generation and threshold value declared.	Country rock	Country rock ie gneissic rocks.	-
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	-
3g	Grade of sub grade mineral generation	Nil.	Nil.	No generation of sub grade mineral.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method.	As prop[osed.Manual method.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Not proposed.	

3j	Provision of drilling and blasting in mineral benches	Drilling by using Jack hammer	As proposed.	
3k	Provision of mining machineries in mineral benches	Manual means.	As proposed, Manual means.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	As proposed.	
3m	Total area covered under excavation/pits	0.43hect	About 0.40hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.47	As proposed.	Mine is not working.
3o	Total area put in use under different heads at the end of year	0.81hect	About 0.80hect.	
3p	Production of ROM mineral during the last five year period as applicable	Year- tonnes 2013-14:-12480 2014-15: 3003 2015-16: 3003 2016-17: 3625	Year- qty in 2013-14: 2542, 2014-15:1423tonnes 2015-16: 2715tonnes 2016-17:3099tonnes	Production is within approved limits.
3q	General remarks of inspecting officers on method of mining etc.			Production is within approved limits. Mine is not working for want of EC.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps.	As proposed maintained.	

4b	Location of topsoil, OB and mineral reject dumps	On the eastern side of ML.	As proposed.	
4c	Number of dumps within lease area and outside of lease area	One on the eastern side, within ML.	As proposed .Dump dimensions about 50mx25mx6m height.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On the eastern side of ML.	As proposed.	
4e	Number of active and alive dumps.	One dump.	As proposed.	
4f	Number of dead dumps.	NIL.	NIL.	-
4g	Number of dumps established.	NIL.	NIL.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	NIo proposal.	NIL	-
4i	Length of Retaining wall or garland drain all along dumps	NIL.	NIL.	-
4j	Number of settling ponds	NIL.	NIL.	
4k	Specific comments of inspecting officer on waste dump management		Waste has been dumped at the place earmarked for it as per the approved proposals.	Mine not working.

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 backfilling proposal during the doc period.	NIL.	-
5b	Area under backfilling of mined out area	NIL.	NIL.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL.	NIL.	
5d	Total area fully reclaimed and rehabilitated	No proposal.	NIL.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No backfilling proposal during the document period.	

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 submitted.	Violation of rule 26(2) of MCDR-2017 is being communicated to lessee.	
6b	Area available for rehabilitation (ha) .	NIL.	NIL.	
6c	afforestation done (ha).	200sq meter.	About 150 sq m.	
6d	No. of saplings planted during the year	15nos.	As proposed.	
6f	Any other method of rehabilitation	NIL.	NIL.	
6g	Cost incurred on watch and care during the year	NIL.	NIL.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	NIL.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	NIL.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	NIL.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	NIL.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	NIL.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	NIL.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	NIL.
6p	Compliance of environmental monitoring (core zone and buffer zone)		It is a small mine not working.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Small mine and not in operation.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	At mine site	All grades are being sold.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	All grades are being sold.	
7c	Different grade of mineral sorted out at mines.	All grades are being recovered.	All grades are being sold.	
7d	Any beneficiation process at mines	No proposal.	All grades are being sold.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		All grades are being recovered.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)		Being stacked separtely.	Thin cover of top soil is observed.
8b	Concurrent use or storage of topsoil	For afforestation.	As proposed.	-

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed.	As proposed.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal for dumping.	As proposed.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	NIL.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 40 nos.	-
8g	Survival rate	70%	About 50%.	
8h	Water sprinkling on roads to control airborne dust		Mine is not working.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantaion obseved on the boundary northen side of ML.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Being submitted regularly.	-

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Advised to furnish the mining engineer/geologist details.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details furnished under item 12 of AR.Furnish details as 0.30hect.	
9d	Scrutiny of Annual return on afforestation	Advised to furnish details under item 4.4 of AR.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Advised to furnish details under item 4.2(B)(ii).	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details furnished under item 4.2(B)(ii).	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details furnished under part-VI of sl no.2 has been Verified and furnished as Rs.450/- .	
9h	Scrutiny of Annual return on fixed assets	Details furnished under part-IIA,of colums residential,plant&Mechinery are not applicable., There are no establishments at mine site.Hence it has been advised to correct the AR in subsequent submission.	
9k	Scrutiny of Annual return on mining machineries	Furnished same has been verified .	

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
MCDR17	Rule 11(2)	05/09/2017			
MCDR17	Rule 26(2)	05/09/2017			
MCDR17	Rule 27(2)	05/09/2017			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines