

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/KRR/LST-

Mine code : 38TMN28041

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Mr Prakash
Official with
Designation
- (iv) Date of Inspection : 02/08/2017
- (v) Prev.inspection date : 20/10/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **K.PITCHAMPATTI LST(1.62 H**
- (b) **Registration NO.** : **IBM/5045/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : KARUR
Village : K.PITCHAMPATTI
Taluka : KARUR
Post office : K.PITCHAMPATTI
Pin Code : 639118
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 20/09/1996
- (h) Weekly day of rest : SUN
2. Address for : 33,CHINNAPPA LAY OUT
correspondance : KARUGALAPALAYAM
ERODE-638003
3. (a) Lease Number : TMN0608
- (b) Lease area : 1.62
- (c) Period of lease : 20
- (d) Date of Expiry : 17/09/2016
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : P.MUTHUKUMARAN
33-CHINNAPPA LAYOUT
KARUGALAPALAYAM ERODE ERODE
TAMIL NADU
Phone:
FAX :

Owner : P.MUTHUKUMARAN
SALEM TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	19/06/2012
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	29/03/2016
	:	Mining Scheme rule 12 MCDR1988	29/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	01 no of bore holes for 8m depth.	NIL.	Violation of rule 11(2)MCDR-2017 has been issued to lessee on 6.9.2017.
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.	Extension of ore body need to be proved.
1e	Balance reserve as on 01/04/20	30487tonnes(11)ROM 21293(111) - Lst	33782tonnes(111)ROM 23647tonnes(111) -Lst	Due to less production during the previous year.
1f	General remarks of inspecting officers on geology, exploration etc			Mine is not working.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development of existing pit from central portion of ML from northern side to southern side of ML.	Mine is not working.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	As proposed.	
2c	Stripping ratio or ore to OB ratio	1: 1.77	Mine is not working.	-

2d	Quantity of topsoil generation in m3	1872tonnes.	Nil.	
2e	Quantity of overburden generation in m3	24338tonnes.	941tonnes.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is with in the 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 76mx60mx35m depth.	Mine is not working .
3b	Quantity of ROM mineral production proposed	13759tonnes	3304tonnes	
3c	Recovery of sailable/usable mineral from ROM production	9631tonnes	2354tonnes	-
3d	Quantity of mineral reject generation	24338tonnes.	706tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	Country rock	Country rock	-
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	Manual method.	As proposed.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Not applicable.	
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.	
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	0.53hect	As proposed.	-
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.97	As proposed.	
3p	Production of ROM mineral during the last five year period as applicable	" Year- qty in tonnes 2013-14:-4898 2014-15: 1695 2015-16: 2826 2016-17: 9631	Year- qty in tonnes 2013-14: 6799, 2014-15:5319 2015-16: 2153 2016-17: 2354	Production is within approved limits.
3q	General remarks of inspecting officers on method of mining etc.			Production is within limits. Mine is not working for want of EC.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping soil with OB of topsoil, OB and mineral rejects (Rule 32,33)		As proposeed.	Small qty of topsoil is available.

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	Two dumps. One on the eastern side and western side within ML.	As proposed .Dump1-is about 50mx25mx6m height.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	One each on the eastern side and western side ,within ML.	As proposed.	
4e	Number of active and alive dumps.	One.	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.	Nil.	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.Mine is 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.			There is no reclamation proposal.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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 has been communicated to lessee on 6.9.2017.
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	-
6c	afforestation done (ha).	200sq meter.	As proposed.	
6d	No. of saplings planted during the year	15nos.	As proposed.	
6e	Cumulative no .of plants		About 40nos.	
6f	Any other method of rehabilitation	NIL.	NIL.	
6g	Cost incurred on - watch and care during the year		Not available.	

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 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)	Nil.	Mine is not working
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Small mine and is not in operation.

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 reecovered/ utelised.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual method.	All grades are being reecovered/ utelised.	
7c	Different grade of mineral sorted out at mines.		All grades are being reecovered.	-
7d	Any beneficiation process at mines	No proposal.	Nil.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			All grades are being reecovered and sold.

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 available.

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		There is eneration oof OB,waste is being stacked in a dump.	
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 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. area under workings as 0.27 hect is wrong, advised to furnish details as per approved MP as 0.48.
9d	Scrutiny of Annual return on afforestation	Furnish details under item 4.4 of AR.	No of plantation as 15 with survival of 30%.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Furnish details under item 4.2(B)(ii) as 1009 tonnes.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished under part-VI	Furnished under part-VI as production as 2354 tonnes with nil closing stock.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Verified .	Ex mine price as Rs 450/-
9k	Scrutiny of Annual return on mining machineries	Verified .	There is one memechinary ie air compressor non electrical and Tipper 25,000cu m.

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)	06/09/2017			
MCDR17	Rule 26(2)	06/09/2017			
MCDR17	Rule 27(2)	06/09/2017			

Date :**(A.S.SANJEEVA RAO)**

Indian Bureau of Mines