

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/VRD/LST-

Mine code : 38TMN30037

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : -
Official with
Designation
- (iv) Date of Inspection : 14/09/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **P. M. PUTHUPATTI(2.51AC)**
- (b) **Registration NO.** : **IBM/11751/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : VIRUDHUNAGAR
- Village : PANNAI MOONDRADAIPPU
- Taluka : THIRUCHULI
- Post office : KATTANGKUDI
- Pin Code :
- FAX No. :
- E-mail : kumaranmines@gmail.com
- Phone : 9442552535
- (f) Police Station : Tiruchuli
- (g) First opening date : 05/07/2005
- (h) Weekly day of rest : SUN
2. Address for : Kumaran Mines
correspondance : 2/52D,1 ST MAIN ROAD,SIVAYA NAGAR,
SALEM-636 004
3. (a) Lease Number : TMN0915
- (b) Lease area : 1.01
- (c) Period of lease : 20
- (d) Date of Expiry : 08/08/2025
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : Kumaran Mines
Thooppukudu, Fair lands,
Selam.636 016 SALEM TAMIL
NADU
Phone:
FAX :

Owner : M.Illangovan,Managing Partner
2/52,D-I st Main Road,
Alagapuram, Salem SALEM
TAMIL NADU
Phone: 9442552535
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/03/2013
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	15/05/2015

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	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.	Only depth persistence to be under taken.	Reserve proved upto 27m depth.
1e	Balance reserve as on 01/04/20	Geological-As on 2015 26450tonnes(ROM) as on 2015 Recoverable-18515tonnes	Reserve as on 2017 could not be calculated due to shortage of data.However, Geological-22051tonnes Mineable-15083tonnes	The yearwise production recoverable in tonnes 2013-14: not available. 2014-15:1221 2015-16:1023 2016-17:1188
1f	General remarks of inspecting officers on geology, exploration etc		Area is small,limestone band is steeply dipping almost with N-S strike direction.Reserve estimated upto 27m depth.	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	In the existing pit on southern part to of ML from RL- 77m to 69m .	As proposed	Mine is water logged ¬ working.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.Top soil bench 1-1.5m height. Mineral benches about 3m height &5m width.	As proposed.	

2c	Stripping ratio or ore to OB ratio	1:1.38	As proposed.	
2d	Quantity of topsoil generation in m3	3024tonnes.	No details.	-
2e	Quantity of overburden generation in m3	6037tonnes	About 450tonnes	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development carriedout as proposed .Mine is not working.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One existing pit.	As proposed.	
3b	Quantity of ROM mineral production proposed	5616 tonnes.	1461 tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	3931tonnes	1023 tonnes	Recovery of limestone is 70%.
3d	Quantity of mineral reject generation	3024 tonnes.	About 450 tonnes.	
3e	Grade of mineral rejects generation and threshold value declared.	Calc - Gneiss	Country rock which has no value.	
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.	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	Manual means	As proposed.	
3k	Provision of mining machineries in mineral benches	Proposed.	As proposed.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Yes. Area is very small.	
3m	Total area covered under excavation/pits	0.504 hect.	As proposed.	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.38	Less than proposed.	
3o	Total area put in use under different heads at the end of year	0.99.6 hect.	As proposed.	
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes 2013-14: 3786 2014-15: 1199 2015-16: 5928 2016-17: 5616 11830"	Year- qty in tonnes 2013-14: Not available 2014-15: 1221 2015-16: 1023 2016-17: 1188	
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	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed.	As proposed with in ML.
4b	Location of topsoil, OB and mineral reject dumps	Southern and northern side of ML.	As proposed on northern and southern sides.
4c	Number of dumps within lease area and outside of lease area	Two dumps.	Two dumps in ML area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On barren area.	As proposed.
4e	Number of active and alive dumps.	Two active dumps.	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.	No proposal.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	NIL.
4j	Number of settling ponds	No proposal.	NIL.
4k	Specific comments of inspecting officer on waste dump management		Waste is dumped at the place earmarked for it on non mineralised area in ML.

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 back filling is proposal during the document period.	NIL.	

5b	Area under backfilling of mined out area	No proposal.	NIL.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Afforestation	As proposed.	
5d	Total area fully reclaimed and rehabilitated	No proposal	NIL.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No back filling is proposed.	Mine is not working.

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 has been communicated to lessee.	-
6b	Area available for rehabilitation (ha) .	NIL.	NIL.	
6c	afforestation done (ha).	180Sq m area.	110Sq m area.	
6d	No. of saplings planted during the year	15nos.	About 12 nos.	
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		No details.	
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)	No proposal.	NIL.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Mine is not in operation for want of EC.
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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.	ROM mineral with intercalations.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	As proposed.	
7c	Different grade of mineral sorted out at mines.	No proposal.	NIL.	
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 recovered.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed.	Stored as separtately.	
8b	Concurrent use or storage of topsoil	Proposed.	Partially stored.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed.	Only topsoil and waste being generated.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Partially backfilling and using as water reservoir.
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 40nos.
8g	Survival rate	70%	About 50%
8h	Water sprinkling on roads to control airborne dust		Mine is not working & water logged.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation / greenery observed on boundaries of ML.

Compliance of Rule 45:

Sl.No.	Item	Proposals	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	No details.	Advised to furnish the details.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	current Workings- 0.275hect; waste disposal- .080hect Other Purpose (Stock yard)- .040 &PMCP- 0.10hect.	Maintained.Mine is not working.
9d	Scrutiny of Annual return on afforestation	15no of plantation.	Furnished under 4.4 of part-V.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	439tonnes.	439tonnes.
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Verified .
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine prices- Rs.1000.00	The figure furnished is to high advised to check the same.
9h	Scrutiny of Annual return on fixed assets	Land-400000 Residential- 240000 Plant and Machinery- 250000	Except small office,no other establishmnet are seen.

9k	Scrutiny of Annual return on mining machineries	Type of machinery are: Air Compressor- 1no-Non Electrical-140 CUM/MN Blast Hole Drill (Elec.)- 1no-Non Electrical- 32MM Tipper-1no- 25CuM-1no-Non Electrical	Details furnished under Part - V .	Mine is not working.
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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 26(2)	10/10/2017	01/11/2017			
MCDR17	Rule 27(2)	10/10/2017				
MCDR17	Rule 28(1)	10/10/2017	01/11/2017			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines