

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/NMK/LST-5/MDS.

Mine code : 38TMN23053

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Vellayyan,Rep., of Lessee.
Official with
Designation
- (iv) Date of Inspection : 31/07/2017
- (v) Prev.inspection date : 18/08/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MINRAL ENTT,GO-168, 0.66H**
- (b) **Registration NO.** : **IBM/11455/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : NAMAKKAL
Village : PALLAKAPALAYAM
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station : Pallakapalayam
- (g) First opening date : 09/02/1999
- (h) Weekly day of rest : SUN
2. Address for : 2/124-1,Ayyagoundampalayam,
correspondance Pallakapalayam post
Tiruchenode taluk,Namakkal dt-637303
3. (a) Lease Number : TMN0079
- (b) Lease area : .66
- (c) Period of lease : 20
- (d) Date of Expiry : 22/01/2016
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MINERAL ENTERPRISES
3-3-23A, BARATHI NAGAR,
AKKAMPATTI (PO)
SANKARI, SALEM DISTRICT
SALEM TAMIL NADU
Phone: 0427- 444236
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 08/01/2014
Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 08/06/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 no of bore holes for 20m each.	NIL.	Violation of rule 11(2)MCDR-2017 has been sent to the lessee.How ever mine is not in operation for want of EC.
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.	-
1e	Balance reserve as on 01/04/20	34010tonnes	33862tonnes	Due to less production during the previous year.
1f	General remarks of inspecting officers on geology, exploration etc		Lease is not working due to EC clearence.	Mine is not working.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development of existing pit from central portion 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: 1.86	Almost as proposed.	Mine is not working.

2d	Quantity of topsoil generation in m3	Nil.	Nil.	-
2e	Quantity of overburden generation in m3	Nil.	Nil.	Nil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine is not working.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3b	Quantity of ROM mineral production proposed	1908tonnes	940tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	1272tonnes	780tonnes	-
3d	Quantity of mineral reject generation	318tonnes.	160tonnes	-
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.	Mine is not working.
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.	-	
3o	Total area put in use under different heads at the end of year	0.53hect	As proposed.		
3p	Production of ROM mineral during the last five year period as applicable	" Year- qty in tonnes 2013-14:-- 2014-15: 997 2015-16: 733 2016-17: 1023	" Year- qty in tonnes 2013-14: -- 2014-15:25 2015-16: 20 2016-17: 100		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 of topsoil, OB and mineral rejects (Rule 32,33)	Dump soil with OB	As proposeed.	-

4b	Location of topsoil, OB and mineral reject dumps	On the eastern side of ML.	As proposed.	Small qty is available.
4c	Number of dumps within lease area and outside of lease area	One on the eastern side, within ML.	As proposed.	-
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.	As proposed maintained.	-
4f	Number of dead dumps.	Nil.	Not applicable.	-
4g	Number of dumps established.	NIL.	Not applicable.	-
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	-	Small qty is available. Mine is not working.	Small qty is available. 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	No proposal.	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 reclamation&rehabilitation proposal during the doc 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).		Violation of rule 26(2) of MCDR-2017 is being communicated to lessee.	Violation issued on 5.9.2017
6b	Area available for rehabilitation (ha) .	NIL.	NIL.	-
6c	afforestation done (ha).	0.020hect.	As proposed.	-
6d	No. of saplings planted during the year	20nos.	15nos.	-
6e	Cumulative no .of plants		4Approximatly 40nos	-
6f	Any other method of rehabilitation	NIL.	NIL.	-
6g	Cost incurred on watch and care during the year	-	-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	-	Approximately 40nos.	-

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)			

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	At mine site.	All grades are being utelised.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual method.	All grades are being recovered.	-
7c	Different grade of mineral sorted out at mines.		All grades are being utelised/sold.	-
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 utelised/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 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		Production is less in quantity.	-

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	60%	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		Plantation observed on the boundary northern side 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		Advised to furnish the details of Mining Engineer and Geologist.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Details furnished under item 12 of AR.	
9d	Scrutiny of Annual return on afforestation		Advised to furnish details under item 4A of AR.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Advised to furnished details under item 4.2B(ii) of AR.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Advised to furnished details under item of AR.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Verified.	
9h	Scrutiny of Annual return on fixed assets	Nil.	There are no establishments.
9k	Scrutiny of Annual return on mining machineries	Verified.	There is one mechary onre air compressor non-electrical.

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