

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/NMK/LST-4.MDS

Mine code : 38TMN23017

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Shanburaj,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** : **MINERAL ENTERPRISES**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : NAMAKKAL
Village : PADAVEEDU
Taluka : TIRUCHEGODU
Post office : PADAVEEDU
Pin Code :
FAX No. :
E-mail :
Phone : 04288-29641
- (f) Police Station :
- (g) First opening date : 13/04/1998
- (h) Weekly day of rest : SUN
2. Address for : 3-3A,BARATHI NAGAR,
correspondance : AKKAMPETA,SANKARI POST,
SALEM -637301
3. (a) Lease Number : TMN0078
- (b) Lease area : .76
- (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 :

Owner : M. NALLANNASAMY
MAKKIRIPALAYAM SOWDAPURAM
SALEM TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	18/11/2002
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	18/05/2009
		Mining Scheme rule 12 MCDR1988	20/10/2014
		MP modif under 17(3) MCR 2016	10/06/2016

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 is being 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	30254tonnes	31814tonnes	Due to less production during the previous year.
1f	General remarks of inspecting officers on geology, exploration etc		Mine is not working.	Violation of rule 11(2)MCDR-2017 has been sent to the lessee on 5.9.2107.Mine is not working for want of EC.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development of existing pit towards northern side.	As proposed	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	1.86	Mine is not working.	-

2d	Quantity of topsoil generation in m3	Nil.	Nil.	-
2e	Quantity of overburden generation in m3	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
3a	Number of pit proposed for production	One pit .	Same as proposed.	-
3b	Quantity of ROM mineral production proposed	1908tonnes	940tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	1272tonnes	780tonnes	Recovery is 70%
3d	Quantity of mineral reject generation	318tonnes.	About 160tonnes	-
3e	Grade of mineral rejects generation and threshold value declared.	Country rock	Country rock as intercalations.	-
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	No sub grades.
3g	Grade of sub grade mineral generation	NIL.	No sub grade generation.	-
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 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.	-
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.	Mine is not working.
3o	Total area put in use under different heads at the end of year	0.53hect	Area as peoposed.	-
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 approved limits.Mine is not working.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Dump Soil with OB	As proposed.	Small qty 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	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.	-
4f	Number of dead dumps.	One dump.	As proposed.	-
4g	Number of dumps established.	NIL.	NIL.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable.	NIL.	-
4i	Length of Retaining wall or garland drain all along dumps	NIL.	NIL.	-
4j	Number of settling ponds	NIL.	Not applicable.	-
4k	Specific comments of inspecting officer on waste dump management		Some quantity of waste has been used for construction of temple wall as reported by the accompanying official.	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 is 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 reclamation is carried out.

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 received.	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).	0.020hect.	As proposed.	-
6d	No. of saplings planted during the year	20nos.	About 15nos.	Survival is very less.
6e	Cumulative no .of plants	-	About 40nos.	-
6f	Any other method of rehabilitation	No proposal.	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)		NIL.	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 recovered/ utelised.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual.	All grades are being recovered/ utelised.	-
7c	Different grade of mineral sorted out at mines.	No proposal.	All grades are being recovered/ utelised.	
7d	Any beneficiation process at mines	Proposed.	As proposed.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		All grades are being recovered/ and utelised.	

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)	Separate dumps proposed.	As proposed.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Small qty of waste has been stacked and production is meager qty.,	No overburden, some qty of waste has been used for construction of temple wall as reported by the accompanying official.
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 not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation observed on the 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	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.	
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	Furnish details under item 4.2(B)(ii).	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Verified found to be correct.	
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 machinery ie 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