

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/VRD/LST-18.MDS

Mine code : 38TMN30028

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Peddireddi
Official with
Designation
- (iv) Date of Inspection : 12/09/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KANJAMPATTI (0.41HA (LST))**
- (b) **Registration NO.** : **IBM/7128/2011**
- (c) **Category** : **B Manual**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TAMIL NADU**
- District : **VIRUDHUNAGAR**
- Village : **KANJAMPATTI**
- Taluka : **SATTUR**
- Post office : **NALLI**
- Pin Code :
- FAX No. :
- E-mail :
- Phone : **94443161254**
- (f) **Police Station** : **Sattur**
- (g) **First opening date** : **09/09/2007**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **KANJAMPATTI VILL**
correspondance : **SATTUR TK**
: **VIRUDHUNAGAR DT**
3. (a) **Lease Number** : **TMN1286**
- (b) **Lease area** : **.41**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **07/06/2018**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : S.K.PALANI MURUGAN
99, MADASAMY KOIL STREET
RAJAPALAYAM VIRUDHUNAGAR
TAMIL NADU
Phone:
FAX :

Owner : S.K.PALANI MURUGAN
99, MADASAMY KOIL STREET
RAJAPALAYAM VIRUDHUNAGAR
TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 30/12/2013
Plan/Scheme of Mining

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 estimated upto 35m depth.
1e	Balance reserve as on 01/04/20	Geological-60853tonnes(ROM) as on 2015 Recoverable-42597tonnes as on 2015.	Reserve as on 2017 could not be calculated due to shortage of data.	The yearwise production recoverable in tonnes 2013-14: not available. 2014-15:4910 2015-16:4499 2016-17:3094
1f	General remarks of inspecting officers on geology, exploration etc		Mine is not working for want of EC clearance.	Reserve estimated upto 35m depth.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the existing pit from central part to eastern side of ML from RL-82m to 79m .	As proposed.	The lease is inside the other ML (Proceeding no.4113).Mine is not working.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	As proposed. Top soil bench 1-1.5m height. Mineral benches about 6m height.	
2c	Stripping ratio or ore to OB ratio	NIL.	NIL.	-

2d	Quantity of topsoil generation in m3	NIL.	NIL.	-
2e	Quantity of overburden generation in m3	NIL.	NIL.No generation of overburden.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development carriedout as proposed .There is no 7.5 boundary is maintained as became the other ML of lessee.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	17090tonnes.	19981tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	8463tonnes	3094tonnes	Recovery of limestone is 70%.
3d	Quantity of mineral reject generation	3627tonnes.	150tonnes.	
3e	Grade of mineral rejects generation and threshold value declared.	Country rock.	Calc - Gneiss 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	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		There is no 7.5m safety barrier maintained, as the lease is inside the other ML of the lessee.	
3m	Total area covered under excavation/pits	0.40hect	As proposed.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	As proposed.	
3o	Total area put in use under different heads at the end of year	0.40hect.	As proposed.	
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes 2013-14: 9256 2014-15: 9565 2015-16: 14586 2016-17: 17090 11830"	Year- qty in tonnes 2013-14:-Not available 2014-15: 4910 2015-16: 4499 2016-17: 3094	
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)	Outside of ML.	As proposed.	
4b	Location of topsoil, OB and mineral reject dumps	On the western side of ML.	As proposed on the western side of ML.	Non lease area.
4c	Number of dumps within lease area and outside of lease area	Nil in ML ,one dump in non lease area.	No dumps in ML area.One dump in non lease area.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL.	No dump in ML area.	
4e	Number of active and alive dumps.	One dump.	One in non lease area.	
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 has been dumped at the place earmarked for it on non mineralised ,non lease area.	

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 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).	NIL.	NIL.	No proposal.
6d	No. of saplings planted during the year	NIL.	NIL.	No proposal.
6e	Cumulative no .of plants	No proposal.	NIL.	
6f	Any other method of rehabilitation	NIL.	NIL.	
6g	Cost incurred on watch and care during the year	NIL.	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.
----	---	--

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.	
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.	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/utelised.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)		Used for afforestation.	Afforestation carried out in outside ML.
8b	Concurrent use or storage of topsoil	No generation.	NIL.	

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		Partially backfilling and useing 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)	No proposal.	NIL.	Afforestation on non lease area.
8g	Survival rate	No proposal.	NIL.	
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 /greenary obseved adjacent to 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	No details.	Violation of rule 55(2) of MCDR-17 for adjacent lease has been communicated to lessee on 10.10.2017.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Breakup for Covered under current Workings as 0.43hect Used for waste disposal 0.050hect Other Purpose 0.10hect, under PMCP-005hect	Break up furnished is incorrect and advised to correct the same.	
9d	Scrutiny of Annual return on afforestation	No proposal.	No details.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Details not furnished .	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	19981tonnes	Details furnished under Part- IV.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.350/-	Details furnished under part-IV(2).	
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in .) 2370000	Details which includes residential Rs.800000/- is not applicable as there is no resident except office building.	
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-25MM Tipper-1no-30CuM-1no-Non Electrical	Details furnished under Part - V .	Mine is not working.

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(4)	10/10/2017			
MCDR17	Rule 26(2)	10/10/2017			
MCDR17	Rule 27(2)	10/10/2017			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines