

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

MCDR inspection REPORT

Chennai regional office

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

Mine code : 38TMN30012

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Peddireddy
Official with
Designation
- (iv) Date of Inspection : 12/09/2017
- (v) Prev.inspection date : 09/01/2009

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KANJAMPATTI (4.23 HA.)**
- (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 : SATHAN
- Post office : VALLI
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 94443161254
- (f) Police Station : Sattur
- (g) First opening date : 18/01/1999
- (h) Weekly day of rest : SUN
2. Address for : KANJAMPATTI VILL
correspondance SATUR TK
VIRUDHUNAGAR DT
3. (a) Lease Number : TMN1014
- (b) Lease area : 4.23
- (c) Period of lease : 20
- (d) Date of Expiry : 29/01/2028
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 :

Manager

Name : M.P.MUTHU
 Qualification : SSLC, MINE MATE CERTIFICATE
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	17/12/2003
Plan/Scheme of Mining		Modif.approved Mining Scheme	13/02/2007
		Modif.approved Mining Scheme	16/11/2009
		Mining Scheme rule 12 MCDR1988	30/12/2013

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.	-
1e	Balance reserve as on 01/04/20	Geological-416468tonnes(ROM) as on 2015 Recoverable-291528tonnes as on 2015	Reserve as on 2017 could not be calculated due to shortage of data.	The yearwise available data is Year geological in tonnes recoverable in tonnes 2013-14 2014-15 2015-16 11493 8849 2016-17 8173 6287
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 eastern side of ML from RL-82m to73m side of ML.	As proposed.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 uabout 6m height.	-
2c	Stripping ratio or ore to OB ratio	1:0.05	Mine is not working.	-
2d	Quantity of topsoil generation in m3	NIL.	NIL.No generation of topsoil.	
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 carried out as proposed .Mine is not working.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit .	One pit measuring about 315mx70mx30m depth.	Production and developemnt approximately 60mx50mx6m depth. Mine is not working .
3b	Quantity of ROM mineral production proposed	16900tonnes	10000tonnes	
3c	Recovery of sailable/usable mineral from ROM production	11830tonnes	6287tonnes	Recovery of limestone is 70%
3d	Quantity of mineral reject generation	5070tonnes.	3700tonnes	
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	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.	As proposed.	
3m	Total area covered under excavation/pits	1.44hect	As proposed.	-
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.50	As proposed. Mine is not working.	
3o	Total area put in use under different heads at the end of year	2.99hect	About 2.99hect	
3p	Production of ROM mineral during the last five year period as applicable	" Year- qty in tonnes 2013-14:-20693 2014-15: 76977 2015-16: 88725 2016-17: 11830"	" Year- qty in tonnes 2013-14: not reported 2014-15: not reported 2015-16: 8849 2016-17: 6287	

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 proposeed.	
4b	Location of topsoil, OB and mineral reject dumps	On the western side of ML.	As proposed on the western side of ML.	On 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.	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 area, but out side 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 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.		Mine has not reached the stage for reclamation.	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).	0.03hect.	As proposed.	On northern side of ML.Mopre afforestation on non lease area on western side.
6d	No. of saplings planted during the year	50nos.	As proposed.	More plantation on non lease area.
6e	Cumulative no .of plants	50nos.	150nos.	
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 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.

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.	
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 afforestaion.	

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		Partly backfilling and used 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 500nos.	Mostly in non lease area.
8g	Survival rate	60%	As proposed.	
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 on the boundary ML and 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 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.	4.23hect	Break up has not been furnished.
9d	Scrutiny of Annual return on afforestation	NIL.	Details not furnished.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	150tonnes.	Details furnished under item 4.2(B)(ii).
9f	Scrutiny of Annual return on ROM stock and/or graded ore	6287.905tonnes	Details furnished under Part- IV.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.1100.00	Details sought and advised to correct the figure.
9h	Scrutiny of Annual return on fixed assets	NIL.	No details furnished.

9k	Scrutiny of Annual return on mining machineries	Type of No.of Capacity of Specification machinery units each unit	Details furnished under Part - V . Mine is not working.
		<p>1. SHOVEL (HYDRAULIC) 1 0.800 CuM Non Electrical</p> <p>2. TIPPER 3 9.25CuM Non Electrical</p> <p>3. AIR COMPRESSOR 1 266.000 Non Electrical</p> <p>4. PUMPS (NON- ELEC.) 1 20/L/MN Non Electrical</p>	

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			
MCDR17	Rule 55(1)(2)	10/10/2017			
MCDR17	Rule 11(4)	11/10/2017			
MCDR17	Rule 26(2)	11/10/2017			
MCDR17	Rule 27(2)	11/10/2017			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines