

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/VRD/LST-29.MDS

Mine code : 38TMN30022

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Pandian,Repof Lessee.
Official with
Designation
- (iv) Date of Inspection : 13/09/2017
- (v) Prev.inspection date : 16/02/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PANNAIMOONRADAIPPU(2.385**
- (b) **Registration NO.** : **IBM/10795/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : VIRUDHUNAGAR
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone : 9443920343
- (f) Police Station :
- (g) First opening date : 01/01/2005
- (h) Weekly day of rest : SUN
2. Address for : PANNAIMOONDRADAIPPU VILL
correspondance : TIRUCHULI TK.
VIRUDHUNAGAR DT.
3. (a) Lease Number : TMN1002
- (b) Lease area : 2.38
- (c) Period of lease : 20
- (d) Date of Expiry : 28/11/2025
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : J.CHOKKAMMAL
P.M.PUDUPATTI KANDAGUDI PO
TIRUCHULITALUK VIRUDHUNAGAR
TAMIL NADU
Phone:
FAX :

Owner : J.CHOKKAMMAL
P.M.PUDUPATTI KANDAGUDI PO
VIRUDHUNAGAR DT.
VIRUDHUNAGAR TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	06/08/2013
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	18/05/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 no of bore holes in the year 2015-16.	NIL.	Violation of rule 11(2)MCDR-2017 has been sent to the lessee on 10.10.2017. How ever mine is not in operation for want of EC.
1b	Exploration over lease area for geological axis 1 or 2	Axis-1'Partly.	Axis-1'Partly.	-
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	About 1 hect vergin area.	As proposed.	
1e	Balance reserve as on 01/04/20		86601tonnes (111) category as on may 2015 with 60% recovery of limestone mineral.Estimated upto 15m depth.	Production not reported since 2015.Hence could not be calculated.
1f	General remarks of inspecting officers on geology, exploration etc			Production not reported since 2015.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In central part of ML on eastern side extension to esisting pit .	Mostly developed and worked the existing pit.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	Maintained as proposed.	-

2c	Stripping ratio or ore to OB ratio	1:0.66	Not know as no information form lessee.	-
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.	Boundarty pillars are fixed, but not with the priscirbed dimentions as 1sq m as per CCOM circular 1/2009.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One pit. Approximately 60mx40mx12-14m depth.	Mine is water logged.
3b	Quantity of ROM mineral production proposed	9381tonnes ROM& 5629tonnes of limestone.	Details not known as lessee not furnished production since 2015.	
3c	Recovery of sailable/usable mineral from ROM production	60% of Limestone.	Details not known ,about 50%	-
3d	Quantity of mineral reject generation	3752tonnes.	Details not known as lessee not furnished production since 2015.	
3e	Grade of mineral rejects generation and threshold value declared.		Counrty rock as intercalations.	-
3f	Quantity of sub grade mineral generation.	Nil.	Nil.	
3g	Grade of sub grade mineral generation	Nil.	Nil.	No generation.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual means	Mine is not working .	Mine not working for want of EC .

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil.	
3j	Provision of drilling and blasting in mineral benches	Drilling by using Jack hammer	Mine not working and water logged .	
3k	Provision of mining machineries in mineral benches	Manual means by by using Jack hammer .	Manual means by by using Jack hammer .	-
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 0.53hect.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.66	Details not known.	
3o	Total area put in use under different heads at the end of year	1.00hect	Less than 1.00hect.	
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes 2014-15:7507 2015-16: 4992 2016-17:5629	Year- qty in tonnes 2014-15:3570 2015-16: Not reported 2016-17:Not reported	
3q	General remarks of inspecting officers on method of mining etc.		Mining is within lease area .No production reported since year 2015.	Mine not working for want of EC.

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)	Seperate dumps.	Maintained as proposed.	-
4b	Location of topsoil, OB and mineral reject dumps	On the southern side of ML.	Maintained as proposed.	
4c	Number of dumps within lease area and outside of lease area	Three dumps with in ML.	Maintained as proposed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On barren area.	On barren area.	
4e	Number of active and alive dumps.	One dump.	One.	
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	Nil/no proposal.	NIL.	
4j	Number of settling ponds	NIL.	NIL.	
4k	Specific comments of inspecting officer on waste dump management		Dumps are amintained as proposed within 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.	Mine not reached economic depth.

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.			Mine has not reached economic depth.

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 11(2)MCDR-2017 has been esent to the lessee.	How ever mine is not in operation for want of EC.
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	-
6c	afforestation done (ha).	Nil.	Nil.	
6d	No. of saplings planted during the year	50saplings.	20saplings.	-
6e	Cumulative no .of plants		50nos.	-
6f	Any other method of rehabilitation	No proposal.	Nil.	
6g	Cost incurred on watch and care during the year	NIL.	Not available.	
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 is 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 sold.	Mine is not working.
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.	All grades are being recovered/utelised.	
7d	Any beneficiation process at mines	No proposal.	All grades are being recovered and sold.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			All grades are being recovered & sold.

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.	Maintained as proposed Ob,waste/rejects.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		No details of production since 2015.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	No proposal during the document period.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 50nos.	
8g	Survival rate		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			Plantaion obseved on the boundary eastern side of ML.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No annual return submitted since 2015. Violation of rule 45(5)(b)(c) Of MCDR-17 has been communicated to lessee.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	No annual return submitted since 2015.	
9d	Scrutiny of Annual return on afforestation	No details ,no AR submitted.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No details ,no AR submitted since 2015.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No details ,no AR submitted.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No details ,no AR submitted.	
9h	Scrutiny of Annual return on fixed assets	No details ,no AR submitted.	
9k	Scrutiny of Annual return on mining machineries	No details ,no AR submitted.	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(2)	10/10/2017			
MCDR17	Rule 26(2)	10/10/2017			
MCDR17	Rule 27(2)	10/10/2017			
MCDR17	Rule 28(1)	10/10/2017			
	Rule 45(5)(a)	10/10/2017			
	Rule 45(5)(b)	10/10/2017			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines