

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/DAN/LST-9.MDS

Mine code : 38TMN17002

- (i) Name of the Inspecting : **D009**) **D.CHANDRA SEK HAR REDDY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : ALONG WITH SALIL SANDIP KUZUR, DCOM & VIJAY ,OWNERS
Official with
Designation
- (iv) Date of Inspection : 22/03/2021
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THETHANPATTY - III**
- (b) **Registration NO.** : **IBM/5284/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : DINDIGUL
- Village : SIRUGUDI
- Taluka : DINDIGUL
- Post office : SIRUGUDI
- Pin Code : 624404
- FAX No. :
- E-mail : ilangovanmadhavi4.9@gmail.com
- Phone : 9486732753
- (f) Police Station :
- (g) First opening date : 08/03/1997
- (h) Weekly day of rest : SUN
2. Address for : SIRUGUDI LIMESTONE MINE (0.24.29 HC)
correspondance : SIRUGUDI POST
NATHAM TALUK,DINDIGUL DIST
3. (a) Lease Number : TMN1060
- (b) Lease area : 2.53
- (c) Period of lease : 20
- (d) Date of Expiry : 26/11/2017
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SIVAM MINES
 6/209,MAIN ROAD SIRUGUDI
 PO,NATHAM TK DINDIGUL DT
 DINDIGUL TAMIL NADU
 Phone:
 FAX :

Owner : S.ASAI ALANGARAM,
 SIRUGUDI POST NATHAM TK
 DINDIGUL DT. DINDIGUL TAMIL
 NADU
 Phone: 04544-77632
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	15/09/2006
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	20/02/2013
		Mining Scheme rule 12 MCDR1988	04/08/2014
		MP modif under 17(3) MCR 2016	30/03/2016
		MP review under 17(1) MCR 2016	18/12/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	Two bore holes drilled earlier planperiod 2011-12 to 2015-16 and existing pit cover the area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	lease area is very small.
1e	Balance reserve as on 01/04/20	Balance reserves as on 01/04/2021 are 7021 tonnes.	NIL	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	Mine not in operation.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern end of the existing pit.	NIL	Mine not in operation since 2016-17.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One bench proposed.	One bench only.	NIL
2c	Stripping ratio or ore to OB ratio	1:0.40	NIL	Mine not working.
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	674	NIL	Mine not working

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	NIL
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	one pit.	NIL
3b	Quantity of ROM mineral production proposed	1685 tonnes.	NIL	Mine not working since 2017 onwards.
3c	Recovery of sailable/usable mineral from ROM production	60%	NIL	NIL
3d	Quantity of mineral reject generation	674 tonnes.	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	>35% CaCo3	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mannual	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	jackhammer drilling and blasting proposed.	Mine not working.	NIL

3k	Provision of mining machineries in mineral benches	NIL	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Manual method of mining.	mine not in operation . Bench height 3to 4 mts .	NIL
3m	Total area covered under excavation/pits	0.0168 hc	NIL	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.40	NIL	NIL
3o	Total area put in use under different heads at the end of year	0.23 hc	0.076 hc.	Mine not worked since 2017 onwards.
3p	Production of ROM mineral during the last five year period as applicable	2016-17-1310 Tonnes. 2017-18-1310 " 2018-19- 1310 " 2019-20- 1685 " 2020-21-1685 " "	2016-17 -467 tonnes 2017-18-NIL 2018-19-NIL 2019-20-NIL 2020-21-NIL	Mine not working 2017 onwards.
3q	General remarks of inspecting officers on method of mining etc.	--	--	NIL

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No topsoil dump, and waste dump.	No dump exist.	The waste generated earlier used for road making to mine site
4b	Location of topsoil, OB and mineral reject dumps	No dump position shown.	No dump exist.	mine not working 2017 onwards.

4c	Number of dumps within lease area and outside of lease area	NIL	NIL	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	NIL
4e	Number of active and alive dumps.	NIL	NIL	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	--	--	No waste dump exist.

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.	NIL	NIL	Workings not matured for back filling.
5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil available.	NIL	small quantities of topsoil removed earlier used for plantation along boundary.

5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	Mine is in advancing stage.

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.	NA	Mine not working.
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	120 sq.m	NIL	Mine not working.
6d	No. of saplings planted during the year	15	NIL	mine not working since 2017.
6e	Cumulative no .of plants	--	30 casurina and neem,cocunut plants along boundary.	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	16 m X 20m X 13 m (sloping area)	NIL	mine not working since 2017 onwards.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL	mine not developed fully.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No waste land available	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No waste land available.	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No waste land available.	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal given to environmental monitoring.	NIL	mine not working since 2017 onwards.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	NIL

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	Mine not working.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	NIL
7c	Different grade of mineral sorted out at mines.	NIL	NIL	NIL
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	--	--	NIL

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	Mine not working.
8b	Concurrent use or storage of topsoil	No topsoil removal during 2020-21.	NIL	Mine not working.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One waste dump proposed.	one waste dump maintained.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	15 nos	NIL	mine not working since 2017 onwards.
8g	Survival rate	70%	NIL	NIL
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	very small area, and not working since 2017.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns for the year 2020-21 not submitted .	Lessee cited closure of mine since 2017. Advised to submit NIL monthly and annual returns regularly.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL	NIL

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	NIL

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

Date :

(D.CHANDRA SEKHAR REDDY)

Indian Bureau of Mines