

**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-10.MDS

Mine code : 38TMN06009

- (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 R
Official with
Designation
- (iv) Date of Inspection : 23/03/2021
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SIRUGUDI- II (94.5 HA)**
- (b) **Registration NO.** : **IBM/5276/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : DINDIGUL
- Village : THETHAMPATTY
- Taluka : NATHAM
- Post office : SIRUGUDI
- Pin Code : 624404
- FAX No. :
- E-mail : ILLANGOVANMADHAVI4.9@GMAIL
- Phone : 9486732753
- (f) **Police Station** :
- (g) **First opening date** : 15/06/1996
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SIRUGUDI POST
NATHAM TK.
DINDIGUL DT.
3. (a) **Lease Number** : TMN0578
- (b) **Lease area** : .94
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 16/04/2016
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : S. ILLANGOVAN, MINE OWNER
 SIRUGUDI POST NATHAM TK.
 DINDIGUL DT. DINDIGUL TAMIL
 NADU
 Phone: 04544-77632
 FAX :

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

Geologist

Name : DEEPA ALANKAR, Full Time
 Qualification : MSC(GEO)
 Appointment/ : 15/06/1996
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	15/02/2002
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	15/09/2006
		Mining Scheme rule 12 MCDR1988	27/03/2013
		MP modif under 17(3) MCR 2016	30/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	No exploration proposed,hence no backlog.	NIL
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	No exploration work carred during the plan period 2016-21
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	--
1e	Balance reserve as on 01/04/20	46565 tonnes of mineable reserves	2688 tonnes extracted during the period 2016-17 and left out reserves are 43877 tonnes.	mine not worked after 2016-17.
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	--

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern portion of the lease area,in North South direction.	As per the proposals.	The mining operations carried out in first year of the plan period and further the mine is under closure.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed for Top soil and mineral.	As per proposals only.	The developement work and advancement of benches not done due to closure of the mine for want of EC and other reasons.
2c	Stripping ratio or ore to OB ratio	1:1.36	NIL	Mine not in operation.

2d	Quantity of topsoil generation in m3	1806 cubic metres	NIL	Mine not in operation.
2e	Quantity of overburden generation in m3	17230 cubic metres	NIL	mine is under closure since 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	--

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	46565 tonnes	NIL	Mine not in operation.
3c	Recovery of sailable/usable mineral from ROM production	27939 tonnes	NIL	Mine not in operation.
3d	Quantity of mineral reject generation	18626 tonnes	NIL	Min is not working.
3e	Grade of mineral rejects generation and threshold value declared.	< 35% CaO	As per proposal	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	No subgrade mineral generation.
3h	Manual / Mechanised method adopted for segregating from ROM	Mannual	As proposed	NIL

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	--
3j	Provision of drilling and blasting in mineral benches	Drilling of holes by Jackhammer and Blasting using slurry explosives.	NIL	NIL
3k	Provision of mining machineries in mineral benches	Manual method of mining proposed.	As per proposal.	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1m heigh and 2 m width for topsoil bench and 4m heigh and 6m width for mineral bench proposed.	The bench heights are maintained. However due to rains and mine closure some places the topsoil and mineral benches are slipped. Lessee was advised to correct once mining operations begins.	NIL
3m	Total area covered under excavation/pits	0.546 HC	NIL	Mine is not working.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.52	NIL	Mine is not working.
3o	Total area put in use under different heads at the end of year	0.751 HC	NIL	Mine not working.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 5717 tonnes 2017-18 - 5653 tonnes 2018-19 - 5504 tonnes 2019-20 - 5546 tonnes 2020-21 - 5519 tonnes	2016-17 - nil 2017-18 - nil 2018-19 - nil 2019-20 - nil 2020-21 - 2688 tonnes (upo jan21)	Mine not in operation since 2017 for want of EC
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	NIL

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil storage is proposed and waste is proposed for back filling.	NIL	Mine is not working.
4b	Location of topsoil, OB and mineral reject dumps	Northern portion of the lease area.	As per proposal only.	NIL
4c	Number of dumps within lease area and outside of lease area	One waste dump.	One waste dumo with in lease area.	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern side of the lease area.	As per proposals.	NIL
4e	Number of active and alive dumps.	One	One	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	NIL	NIL	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	Satisfactory.

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.	Back filling of waste in worked out areas is proposed.	1792 tonnes of waste was generated. since the mine workings not matured for back filling due to non working of mine ,the same was used for road formation in the lease area.	NIL

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)	Yes	Top soil removed used for afforestation purpose along the lease boundary.	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	Mine workings are not ready for reclamation and rehabilitation.	Mine not in operation.

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).	NIL	Not submitted.	Mine is not in operation since 2016-17 onwards.
6b	Area available for rehabilitation (ha) .	NIL	NIL	Mine is in active stage.
6c	afforestation done (ha).	0.10 Hc	25 saplings planted along the lease boundary.	--
6d	No. of saplings planted during the year	75 no of saplings proposed over 5 years period.	25 saplings planted	short fall due to closure of mine
6e	Cumulative no .of plants	NIL	50 approximately	NIL
6f	Any other method of rehabilitation	Partly back filled and partly water reservoir.	Mine is in advance state only.	workings not matured for reclamation and rehabilitation.
6g	Cost incurred on watch and care during the year	NIL	NIL	--

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	40m X 30m X 20m (sloping area) during the plan period.	Mine not worked onwards.	2016-17	Mine workings in advance stage.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	proposals given for backfilling.	workings not matured for back filling due to closure of mine		NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NIL	NIL		NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL		Mine is in advanced stage.
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	Plantation proposed along lease boundary.	plantation Carried out.		Partly carried out due to closure of mine.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL		NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NIL		NIL

6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposals given	mine not in operation.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	small scale mining, no impact on environment.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM -9528 tonnes and Limestone - 5717 tonnes.	NIL	Mine not in operation after 2016-17.
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	NIL	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	YES.	Top soil generated earlier used for plantation purpose.	NIL

8b	Concurrent use or storage of topsoil	YES	YES	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One waste dump.	As per proposals	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 proposed yearly	NIL	mine not in operation
8g	Survival rate	50%	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	--	--	mine not in operation since 2017 onwards.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR & MRs not submitted for the year 2020-21.	Mine not in operation since 2017 onwards.	The lessee was advised to submit NIL returns regularly.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	--
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	--
9d	Scrutiny of Annual return on afforestation	NIL	NIL	--
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	--
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	--
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	--
9k	Scrutiny of Annual return on mining machineries	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