

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

Mining Plan Modification REPORT

Chennai regional office

Mine file No : TN/TNL/LST-34.MDS

Mine code : 38TMN29001

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR JAGDISH BABU, MRC KARUNAKARAN
Official with
Designation
- (iv) Date of Inspection : 27-JAN-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SIVALARPATTI
- (b) **Registration NO.** : IBM/638/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : THOOTHUKUDI (TUTICORIN)
- Village : SIVALARPATTI
- Taluka : VILATHIKULAM
- Post office : PUDUR
- Pin Code : 628905
- FAX No. :
- E-mail : pjb@ramcocements.co.in
- Phone : 04562256201
- (f) **Police Station** : r r nagar
- (g) **First opening date** : 14-SEP-83
- (h) **Weekly day of rest** : SUN
2. **Address for** : SIVALARPATTI VILL
correspondance VILLATHIKULAM TK
TUTICORIN DT
3. (a) **Lease Number** : TMN0189
- (b) **Lease area** : 7.66
- (c) **Period of lease** :
- (d) **Date of Expiry** : 21-AUG-17
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : M/S LOVELY CHEMICALS
 43-B,VELAYUTHAM ROAD
 SIVAKASI VIRUDHUNAGAR
 TAMIL NADU
 Phone:20141/27241
 FAX :04562 - 23141

Owner : K.BALAMURUGAN,
 M/S LOVELY CHEMICALS 43-B,
 VELAYUTHAM ROAD SIVAKASI
 THOOTHUKUDI (TUTICORIN)
 TAMIL NADU
 Phone: 04562 - 20141/2
 FAX : 04562 - 23141

6. Date of approval of Mining	:	FMCP under 23C(1)	09-APR-08
Plan/Scheme of Mining	:	FMCP under 23C(1)	09-APR-08
	:	Mining Scheme rule 12 MCDR1988	23-NOV-11
	:	Mining Scheme rule 12 MCDR1988	23-NOV-11
	:	MP modif under MCR 1960	02-DEC-14
	:	MP review under 17(1) MCR 2016	08-MAY-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL,The area was fully explored.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	The area is Fully Explored. 5 No.of Boreholes drilled covering 404 mts .
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL,The Area fully Explored by Lovely Chemicals
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	NIL
1e	Balance reserve as on 01/04/20	0.228 MILLION TONNES	0.228 Mil.Tons	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	ML - 18 to 19	NIL	Nil Development, temp. discontinuance notice given.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	ML - 18 to 19 Benches -2020-21 OB -2 Limestone-1	nil	Separate benches are maintained in OB and Mineral
2c	Stripping ratio or ore to OB ratio	1:0.76	Nil Development	nil
2d	Quantity of topsoil generation in m3	nil	nil	nil
2e	Quantity of overburden generation in m3	16269	nil	Due to Lack of demand this mine not operated from 01-11-2017 to Nov-2020.

2f General remarks - - satisfactory.
of inspecting
officers on
development of
pit w.r.t. type
of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ML - 18 to 19	nil	Due to Lack of demand this mine not operated from 01-11-2017 to Nov-2020.
3b	Quantity of ROM mineral production proposed	61200 Tonnes	nil	nil
3c	Recovery of sailable/usable mineral from ROM production	90 %	nil	nil
3d	Quantity of mineral reject generation	nil	na	nil
3e	Grade of mineral rejects generation and threshold value declared.	<35 CaO	<35 CaO	nil
3f	Quantity of sub grade mineral generation.	nil	na	nil
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised	nil	nil, No subgrade mineral generation.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal given.	nil	Due to Lack of demand this mine not operated from 01-11-2017 to Nov-2020.
3j	Provision of drilling and blasting in mineral benches	yes	nil	Due to Lack of demand this mine not operated from 01-11-2017 to Nov-2020.

3k	Provision of mining machineries in mineral benches	yes shovel-1, dumpers-4, wheel loaders-1 wt-1	nil	nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes height-6 mtrs width-6 mtrs	height-6 meters and width is more then 6 meters maintained	nil
3m	Total area covered under excavation/pits	2.00 Ha	2.00 Ha	nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.76	Nil Development/no production	The shortfall in development will be adjusted in the subsequent year.

3o	Total area put in use under different heads at the end of year	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 2.000 2.000 (iii) Reclaimed/Rehabilitated 0.000 2.000 2.000 (iv) Used for waste disposal 0.000 0.180 0.180 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.110 0.110 (vi) Other Purpose (Green Belt & Undisturbed Land) 0.000 5.380 5.380	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 2.000 2.000 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.000 0.180 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.110 0.110 (vi) Other Purpose (Green Belt & Undisturbed Land) 0.000 5.380 5.380	nil
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3p	Production of ROM mineral during the last five year period as applicable	2016-17=61,557 2017-18=30,004 2018-19=58,514 2019-20=61,200	2015-16=165.21 2016-17=180.90 2017-18= Nil 2018-19=141.68 2019-20= Nil	Only meagre quantity of limestone is transported from this lease in order to keep mine in live. The said quantity is collected from leftover of the previous blasted mass / dump collection. all production are within limit.
3q	General remarks of inspecting officers on method of mining etc.	-	-	satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Existing Dump to be used in the north side of the lease	nil	nil
4b	Location of topsoil, OB and mineral reject dumps	OB Dump ML-18 to ML-19 Location Near: N 90 19' 03.3" E 780 09' 05.6" in the north side of the lease	nil	nil
4c	Number of dumps within lease area and outside of lease area	5 Nos	Nil Development	nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside Ultimate Pit Limit	Outside Ultimate Pit Limit	nil
4e	Number of active and alive dumps.	1	1	nil
4f	Number of dead dumps.	4	4	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	1	1	nil
4k	Specific comments of inspecting officer on waste dump management	-	-	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.	NA	No backfilling proposal during the plan period 2019-20.	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)	NIL	NIL	No topsoil generation.
5d	Total area fully reclaimed and rehabilitated	NA	NA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Periodically Submitted	Periodically Submitted	nil
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NA	NIL
6d	No. of saplings planted during the year	Plantation with 300 No. of Saplings	Plantation with 1500 Nos of Neem, Pungai & Vagai	NIL
6e	Cumulative no .of plants	-	1500	NIL
6f	Any other method of rehabilitation	NA	NA	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	NA	NA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NIL	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NO WASTE LAND AVAILABLE	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodically Monitored	Periodically Monitored by M/s Creative Engineers & Consultants Chennai	Environmental Monitoring Report Periodically submitted to Indian Bureau of Mines. ALL DATA ARE WITHIN LIMIT.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting of ROM grade wise at pit head.	No sorting of ROM grade wise at pit head.	NIL

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No separation at mine head.	Mechanical methods adopted.	ROM will be transported to crusher located outside ML, having Color based sorting technology is being used for beneficiation of Limestone. BUT NOW MINES IS NOT WORKING.
7c	Different grade of mineral sorted out at mines.	NIL	NIL	NIL
7d	Any beneficiation process at mines	NA	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	Top soil is not utilized during the Year 2019-2020.
8b	Concurrent use or storage of topsoil	NIL	NA	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB Dump ML-18 to ML-19 Location Near: N 90 19' 03.3" E 780 09' 05.6	NIL	Separate dumps will be provided as per Mining Plan.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NA	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.15 Ha	0.15 Ha	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	300 Nos	1500 Nos	So far 1500 No. of Saplings covered 1.25 Ha. in the Virgin area,
8g	Survival rate	-	80	NIL
8h	Water sprinkling on roads to control airborne dust	10 KL Water Tanker	NIL	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	SUBMITTED IN TIME	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri. R.Naren (Mining Engineer) & Shri. S.Vijayakumar (Geologist)	Shri. R.Naren (Mining Engineer) & Shri. C.Karunakaran (Geologist)	Form C & Form N submitted to Indian Bureau of Mines, Chennai on 30-12-2020

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 (ii) Covered under current Workings (O/C) 0.000 2.000 (iii) Reclaimed/Rehabilitated 0.000 0.000 (iv) Used for waste disposal 0.000 0.180 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.110 (vi) Other Purpose (Green Belt & Undisturbed Land) 0.000 5.380	Lease area (surface area) utilisation as at the end of year (hectares) Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 2.000 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.180 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.110 (vi) Other Purpose (Green Belt & Undisturbed Land) 0.000 5.380 5.380	NIL
9d	Scrutiny of Annual return on afforestation	1500 Sapplings were planted	As per filled Return	Neem, Pungai & Vagai
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	No Mineral Rejected within ML

9f	Scrutiny of Annual return on ROM stock and/or graded ore	0	0, Due to Lack of demand this mine not operated from 01-11-2017 to Dec-2020	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	29839000 is shown as value of Fixed assets.	Satisfactory.	Satisfactory.
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	Due to Lack of demand this mine not operated from 01-11-2017 to Dec-2020. Machinery will be allotted during mines operation.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines