

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/TNL/LST-31.MDS

Mine code : 38TMN15063

- (i) Name of the Inspecting : **M017**) **Matiul Islam**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. S Murali, Owner & Mr. N. Suresh, QP
Official with
Designation
- (iv) Date of Inspection : 18/10/2023
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PANDAPULI (2.37.25 HECT.)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : TIRUNELVELI
Village : PANDAPULI
Taluka : SANKARANKOVIL
Post office : PANDAPULI
Pin Code : 626117
FAX No. : 04560 - 23141
E-mail :
Phone : 04560 - 20141
- (f) Police Station :
- (g) First opening date : 17/05/1982
- (h) Weekly day of rest : SUN
2. Address for : PANDAPULI VILL
correspondance : SANKARANKOIL TK
TIRUNELVELI DT
3. (a) Lease Number : TMN0644
(b) Lease area : 4.1
(c) Period of lease : 20
(d) Date of Expiry : 13/12/2018
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	:	Mining Scheme rule 12 MCDR1988	24/01/2005
Plan/Scheme of Mining		Modif.of approved Mining Plan	10/02/2005
		Mining Scheme rule 12 MCDR1988	26/04/2012
		Mining Scheme rule 12 MCDR1988	14/01/2015
		MP review under 17(1) MCR 2016	25/07/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 exploratory boreholes proposed for current plan period	Mine was inoperational in the current plan period till March 2023 for want of EC	Lessee has proposed to carry out the said exploration in the ensuing plan period, draft ROMP for which is currently under process at our office.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	-do-
1e	Balance reserve as on 01/04/20	-	2,53,060 tonnes	-do-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Mine was inoperational till March 2023 for want of EC.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Western side of the lease	Nil	Mine inoperation till March 2023 for want of EC
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0.43	Nil	-do-
2d	Quantity of topsoil generation in m3	Nil	Nil	-do-

2e	Quantity of overburden generation in m3	8,892 tonnes	Nil	-do-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Mine was inoperational till March 2023 for want of EC.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	Mine was inoperational till March 2023 for want of EC
3b	Quantity of ROM mineral production proposed	23,055 tonnes	100 tonnes (during March 2023)	-do-
3c	Recovery of sailable/usable mineral from ROM production	16,138 tonnes	100 tonnes	-do-
3d	Quantity of mineral reject generation	6,917 tonnes	Nil	-do-
3e	Grade of mineral rejects generation and threshold value declared.	CaO < 34%	Nil	-do-
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NA	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	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	32 mm Jack Hammer Drill - 1-1.5 m depth - Spacing 0.75m x Burden 0.60m - Slurry Exposives - OD, Delay & ED	Nil	-do-
3k	Provision of mining machineries in mineral benches	Jack Hammer, Compressor, Tipper, Excavator	Excavator	-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m bench height proposed	6m bench height maintained	-do-
3m	Total area covered under excavation/pits	2.37.25 Ha	2.37.25 Ha	-do-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.43	1:0	Nil
3o	Total area put in use under different heads at the end of year	2.37.25 Ha	2.37.25 Ha	-do-
3p	Production of ROM mineral during the last five year period as applicable	2019-20 16306 2020-21 16107 2021-22 16159 2022-23 16138 2023-24 16170	2019-20 NIL 2020-21 NIL 2021-22 NIL 2022-23 100 2023-24 NIL	Within limits
3q	General remarks of inspecting officers on method of mining etc.	-	-	The mine was inoperational till March 2023.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No TS/OB envisaged for the year.	Nil	Mine inoperational till March 2023

4b	Location of topsoil, OB and mineral reject dumps	South-Eastern side of the lease boundary	Nil	-do-
4c	Number of dumps within lease area and outside of lease area	1 dump within lease area	1 dump within lease area	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	-do-
4e	Number of active and alive dumps.	1	1	-do-
4f	Number of dead dumps.	Nil	Nil	-do-
4g	Number of dumps established.	Nil	Nil	-do-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	-do-
4i	Length of Retaining wall or garland drain all along dumps	NA	Nil	-do-
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	Mine was inoperational till March 2023. No waste was generated or dumped during the year.

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 proposal	Nil	Nil
5b	Area under backfilling of mined out area	NA	NA	Nil

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No backfilling or reclamation proposed or carried out.

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).	Yes	Nil	Mine inoperational till March 2023
6b	Area available for rehabilitation (ha) .	Nil	Nil	-do-
6c	afforestation done (ha).	0.64.73 Ha	0.64.73 Ha	-do-
6d	No. of saplings planted during the year	50 nos	50 nos	-do-
6e	Cumulative no .of plants	200	50	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do-
6g	Cost incurred on watch and care during the year	Rs 6,000/-	Rs 6,000/-	-do-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	Nil

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 backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
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	Nil	Nil	Nil
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)	Periodic monitoring proposed	Periodic monitoring carried out	As proposed.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Only afforestation was proposed and carried out as PMCP measures.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	Nil	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	Nil
7c	Different grade of mineral sorted out at mines.	NA	NA	Nil
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	Mine inoperational till March 2023.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil available in lease	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump proposed for waste	Separate dump maintained for waste	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	50 nos saplings planted during the year	Nil
8g	Survival rate	80%	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	The mine was inoperational till March 2023 for want of EC.

Compliance of Rule 45:

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

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	7. Manager : K.Balasubramanian. 8. Mining Engineer in charge: 0 9. Geologist in charge : 0	Given in Part I, Sl 7-9	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(ii) Covered under current (O-C) Workings 0.000 2.370 2.370	Given in Part I, Sl 12	Nil
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year - 50	Given in Part V, Sl 5	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Given in Part V, Sl 3	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	(e) Cement 878.000	Given in Part VI, Sl 3	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine Price - Rs 350.00/-	Given in Part VI, Sl 3 & Part VII	Nil
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets - Rs 33,50,000/-	Given in Part II A Capital Structure	Nil
9k	Scrutiny of Annual return on mining machineries	TIPPER 90.000 CUM 2 Non Electrical Opencast SHOVEL (HYDRAULIC) 90.000 CUM 2 Non Electrical Opencast	Given in Part V, Sl 6	Nil

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 :

(Matiul Islam)

Indian Bureau of Mines