

**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-79.MDS

**Mine code :** 38TMN15084

- (i) Name of the Inspecting : **A042** ) **A.S.SANJEEVA RAO**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Mr S.Murali, Lessee & Mr Suresh, Rep of QP.  
Official with  
Designation
- (iv) Date of Inspection : 21/10/2022
- (v) Prev.inspection date : 31/07/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PANDAPULI(4.095HA)**
- (b) **Registration NO.** : **IBM/5363/2011**
- (c) Category : A Other than Fully Mech.
- (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. : 9443380293
- E-mail : muralilimestone@yahoo.co.in
- Phone : 9443380293
- (f) Police Station : Pandapuli
- (g) First opening date : 14/12/1998
- (h) Weekly day of rest : SUN
2. Address for : Mr. S A MURALI,  
correspondance : 100/1, ALAGAI NAGARRAJAPALAYAM,  
RAJAPALAYAM-626117
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.MURALI ENTERPRISES  
 100/1, ALAGAI NAGAR,  
 RAJAPALAYAM TIRUNELVELI  
 TAMIL NADU  
 Phone:  
 FAX :

Owner : M/S.MURALI ENTERPRISES  
 100/1, ALAGAI NAGAR,  
 RAJAPALAYAM TIRUNELVELI  
 TAMIL NADU  
 Phone:  
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	26/04/2012
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	14/01/2015
		MP review under 17(1) MCR 2016	27/08/2018

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	6 no of core drills.	Not carried out.	Mine discontinued operations since 2018 for want of EC.
1b	Exploration over lease area for geological axis 1 or 2	G-1	G-1	Nil.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Nil.	Nil.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	Nil.	Nil.
1e	Balance reserve as on 01/04/20	356,017.50Ts	356,017.50Ts	As on 1.4.2022.
1f	General remarks of inspecting officers on geology, exploration etc		ML area has been proved upto 25m as per approved ROMP.	Last exploration was carried out in the year 2017-18.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between N1032300-N1032350 and E0780120-E0780170	Mine not worked in the year 2021-22.	Nil.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed: Topsoil &OB- 1 Ore -1	Separate benches proposed: Topsoil &OB- 1 Ore -1	Nil.
2c	Stripping ratio or ore to OB ratio	1:0.42	Not worked in the year 2021-22.	Mining operations discontinued since 2018 for want of EC.
2d	Quantity of topsoil generation in m3	Nil.	Nil.	Nil.

2e	Quantity of overburden generation in m3	Nil.	Nil.	Nil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine not worked in the year 2021-22.	Two existing pits length ranging 90m-60m and width ranging from 15m to 80m and depth 6m-8m.

### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One.	Not worked during the year 2021-22.	Mine discontinued operations since 2018.
3d	Quantity of mineral reject generation	7131Ts	Nil.	Nil.
3e	Grade of mineral rejects generation and threshold value declared.	Not specified.	Nil.	Mine not worked during the year 2021-22.
3f	Quantity of sub grade mineral generation.	No generation of sub grade.	Nil.	Nil.
3g	Grade of sub grade mineral generation	No generation of sub grade.	Nil.	Nil.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mine not in operation.	Nil.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No.	Nil.	Nil.
3j	Provision of drilling and blasting in mineral benches	Proposed ,drilling by using compressor and Jack hamaer combination for blasting.	Mine not worked in 2021-22.	Nil.

3k	Provision of mining machineries in mineral benches	Yes, with 6m height and 6m width.	Maintained as proposed.	Mine not worked in 2021-22.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Over burden layer is thin 1m-2m range.	Nil.
3m	Total area covered under excavation/pits	1.15ha	1.15ha	Nil.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	Mine not worked in 2021-22.	Nil.
3o	Total area put in use under different heads at the end of year	1.91ha.	1.91ha.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	2017-18-14820Ts 2018-19:14820Ts 2019-20:23400Ts 2020-21:23850Ts 2021-22:23770Ts	2017-18-0Ts 2018-19:0Ts 2019-20:0Ts 2020-21:0Ts 2021-22:0Ts	Mine not working for want of EC.
3q	General remarks of inspecting officers on method of mining etc.		Mine not working for want of EC since 2018.	

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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes.	No mining operations during 2021-22.	Nil.
4b	Location of topsoil, OB and mineral reject dumps	N1032350- N1032250 and E0780200- E0780300	No mining operations during 2021-22.	Nil.

4c	Number of dumps within lease area and outside of lease area	Within lease - 1 dump.	One dump.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	On non-mineralised area.	Non-mineralised area.	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	No proposal.	Nil.	Mine not in operation during 2021-22.
4j	Number of settling ponds	Nil.	Nil.	Nil.
4k	Specific comments of inspecting officer on waste dump management		One dump maintained in lease area.	Mining operations discontinued since 2018 for want of EC.

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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.	Mine not reached ultimate level.
5b	Area under backfilling of mined out area	No proposal.	Nil.	Nil.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil.	Nil.

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5d	Total area fully reclaimed and rehabilitated	Nil.	Nil.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine has not reached ultimate level.	Nil.

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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.	Nil.	Mining operations discontinued since 2018 for want of EC.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil.	Nil.
6c	afforestation done (ha).	No proposal.	Nil.	Nil.
6d	No. of saplings planted during the year	50nos.	50nos.	Nil.
6e	Cumulative no .of plants	150 plantation.	100 plantation.	Nil.
6f	Any other method of rehabilitation	No proposal.	Nil.	Nil.
6g	Cost incurred on watch and care during the year	6000/-	1000/-	Nil.
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.	Nil.

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal.	Nil.	Nil.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil.	Nil.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil.	Nil.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil.	Nil.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	Nil.	Nil.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	Nil.	Nil.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes.	Nil.	Mining operations discontinued since 2018 for want of EC.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No proposal for reclamation and rehabilitation for the year 2021- 22.	Mining operations discontinued since 2018 for want of EC.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Mechanical separation of waste rock during loading.	No mining operation during 2021-22.	Nil.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Nil.	No mining operations during 2021-22.
7c	Different grade of mineral sorted out at mines.	Fragmented limestone .	No mining operation during 2021-22.	Nil.
7d	Any beneficiation process at mines .	No proposal.	Nil.	Nil.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No mining operations during 2021-22.	No mineral conservation problem in the mine.

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Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	No mining operations during 2021-22.	Nil.
8b	Concurrent use or storage of topsoil	No proposal.	Nil.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes.	No mining operations during 2021-22.	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)	120 plantation.	120 plantation.	Nil.
8g	Survival rate	70%	About 50%	Nil.
8h	Water sprinkling on roads to control airborne dust	Yes.	No mining operations during 2021-22.	Nil.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation has been done on the lease boundaries.	Nil.

#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Returns are submitted.	Nil returns are being submitted. AR for 2021-22 also submitted.	Mine is not working for want of EC since November 2018.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr K.BALASUBRAMAN IAN, Manager.	As per Part - I of AR 2021-22.	Mine is not working for want of EC since November 2018.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings- 2.04ha; Used for waste disposal- 1.50ha; Other Purpose (virgin area)- 0.545ha	Furnished under Part - I of 11.	Nil.

9d	Scrutiny of Annual return on afforestation	Furnished under Part - V of 4.4	Nil.	Plantation along the lease boundary.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Furnished under Part - V of section 4.	Nil.	Mine not in operation for want of EC.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished as per Part - VI .	Nil.	Mine not in operation since 2018 for want of EC.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished as per Part - VI .	Nil.	Mine not in operation since 2018 for want of EC.
9h	Scrutiny of Annual return on fixed assets	As per Part-II A.	Nil.	Explained to lessee to furnish details .
9k	Scrutiny of Annual return on mining machineries	As per Part - V of Sec 5/6/8/9.	Nil.	Mine not in operation since 2018 for want of EC.

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**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
MCDR17	Rule 11(1)	01/11/2022			

**Date :**

**(A.S.SANJEEVA RAO)**

Indian Bureau of Mines