

**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 : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR. MURALI MINE OWNER
Official with
Designation
- (iv) Date of Inspection : 31-JUL-18
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PANDAPULI(4.095HA)
- (b) **Registration NO.** :
- (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. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 14-DEC-98
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** :
3. (a) **Lease Number** : TMN0644
- (b) **Lease area** : 4.09
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 13-DEC-18
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-APR-12
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 14-JAN-15

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	G1	G1	NIL
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	NIL
1e	Balance reserve as on 01/04/20	249212 MT	249212 MT	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	NIL

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NORTHERN PIT-1 SOUTHERN PIT-1	NORTHERN PIT-1 SOUTHERN PIT-1	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	NIL
2c	Stripping ratio or ore to OB ratio	1:0.5	NIL	NIL
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	-	-	NIL
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	NIL	NIL
3b	Quantity of ROM mineral production proposed	16900 MT (2017-18)	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	11830 MT	NIL	NIL
3d	Quantity of mineral reject generation	5070 MT	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	NIL
3j	Provision of drilling and blasting in mineral benches	YES	NIL	NIL
3k	Provision of mining machineries in mineral benches	YES	NIL	NIL

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	NIL	NIL
3m	Total area covered under excavation/pits	1.145 HA	1.145 HA	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.5	NIL	NIL
3o	Total area put in use under different heads at the end of year	Mining= 1.15.45 HA dump= 0.12.25 HA roads= 0.03HA planatation= 0.02 green green belt= 0.48.5HA others=0.69.5H A	Mining= 1.15.45 HA dump= 0.12.25 HA roads= 0.03HA planatation= 0.02 belt= 0.48.5HA others=0.69.5HA	NIL
3p	Production of ROM mineral during the last five year period as applicable	2013-14- NIL MT 2014- 15=17888 MT 2015- 16=18638 MT, 2016-17=24596 MT ,2017- 18=16900 MT	2013-14-5300.5 MT 2014-15=8867.77 MT 2015- 16=11023.39 MT, 2016- 17=4014.170,2017-18=NIL MT	NIL
3q	General remarks of inspecting officers on method of mining etc.	-	-	MINE NOT WORKING DUE TO WANT OF E.C

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	NIL	NIL
4b	Location of topsoil, OB and mineral reject dumps	TOPSOIL= BOUND FORMATION, DUMPS= NON-MINERALISED ZONE IN EASTERN SIDE OF THE LEASE	TOPSOIL= BOUND FORMATION, DUMPS= NON-MINERALISED ZONE IN EASTERN SIDE OF THE LEASE	NIL
4c	Number of dumps within lease area and outside of lease area	TWO (INSIDE)	TWO (INSIDE)	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	EASTERN SIDE OF THE LEASE OUTSIDE UPL	EASTERN SIDE OF THE LEASE OUTSIDE UPL	NIL
4e	Number of active and alive dumps.	2	2	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.	NA	NA	NIL
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	NIL
4j	Number of settling ponds	NA	NA	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	NIL

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NA	NA	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.	-	-	NIL

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	YES SUBMITTED	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	NIL
6d	No. of saplings planted during the year	80	80	NIL
6e	Cumulative no .of plants	400	400	NIL
6f	Any other method of rehabilitation	NA	NA	NIL
6g	Cost incurred on watch and care during the year	5000	5000	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	NA	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	NA	NA	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)	YES	YES	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	NIL

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	NIL	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	-	-	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	PREPHERIAL BOUND	PREPHERIAL BOUND	NIL

8b	Concurrent use or storage of topsoil	PREPHERIAL BOUND	PREPHERIAL BOUND	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	YES	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	DUMPING IN EASTERN SIDE	DUMPING IN EASTERN SIDE	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	400 PLANTS	400 PLANTS	NIL
8g	Survival rate	80%	70%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	NIL	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES	SUBMITTED	NIL

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

(SALIL SANDIP KUJUR)

Indian Bureau of Mines