INDIAN BUREAU OF MINES
MINERALS DEVELOPMEMT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/DAN/LST-26.MDS **Mine code : 38TMN33020**

(i) Name of the Inspecting Officer and ID No. : **T028) T.PHALTHURAIRAJHEN**

(ii) Designation : Assistant Mining Geologis

(iii) Accompaning mine Official with Designation : SRI. MURUGAN , Supervisor.

(iv) Date of Inspection : 16-SEP-17

(v) Prev.inspection date : 20-SEP-15

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PALAYAM(4.01HA)**

(b) Registration NO. :

(c) Category : B Manual

(d) Type of Working : Opencast

(e) Postal address

State : TAMIL NADU

District : DINDIGUL

Village :

Taluka :

Post office :

Pin Code :

FAX No. :

E-mail :

Phone :

(f) Police Station : PALAYAM

(g) First opening date : 31-AUG-01

(h) Weekly day of rest : SUN

2. Address for correspondance : 5/278-D JUNCTION MAIN ROAD SALEM-636004

3. (a) Lease Number : TMN0804

(b) Lease area : 4.01

(c) Period of lease : 20

(d) Date of Expiry : 26-AUG-21

4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : D.V.MINERALS
5/278 JUNCTION MAIN ROAD
SALEM SALEM TAMIL NADU
Phone:
FAX :

Owner : M/S D.V.MINERALS
5/278,JUNCTION MAIN ROAD
SALEM SALEM TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 18-MAR-14
MP review under 17(1) MCR 2016 11-JAN-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 Wagan drill depth84.0 level reached depth12.0 m nil	6 boreholes at 9m depth	NIL
1b	Exploration over lease area for geological axis 1 or 2	GI	GI	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	NA	NA	NIL
1e	Balance reserve as on 01/04/20	195863 t	117518 t	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	NIL

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	RL198M-RL186 M	RL198 M-RL186 M	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	NIL
2c	Stripping ratio or ore to OB ratio	1;1.24	1;1.24	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	12556 T	12500 T	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	development work has carried out	nil

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	FOUR	As proposed	nil
3b	Quantity of ROM mineral production proposed	55255 T	As proposed	nil
3c	Recovery of sailable/usable mineral from ROM production	60%	As proposed	NIL
3d	Quantity of mineral reject generation	36837 t	36800	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	36800	AS proposed	
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	by using jack hammer	As proposed	NIL
3k	Provision of mining machineries in mineral benches	YES	PROPOSED	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	2.5-3.0 m	2.5-3.0 m	NIL
3m	Total area covered under excavation/pits	1.10.0	As proposed	nil
3n	Ore to OB ratio for the pit/mine during the year.	1;1.24	1;1.24	nil
3o	Total area put in use under different heads at the end of year	mining=1.67.0, dump=0.63.0, roads=0.13.0, Green belt=0.34.0	mining=1.67.0, dump=0.63.0, roads=0.13.0, Green belt=0.34.0	nil
3p	Production of ROM mineral during the last five year period as applicable	2011-2012=0, 2012-13=0, 2013-14=2234,2014-15=6885,2015-16=4757	2011-2012=0, 2012-13=0, 2013-14=2234,2014-15=6885,2015-16=4757	
3q	General remarks of inspecting officers on method of mining etc.	nil	nil	nil

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	oB=53178 t, mnl rej.78345 t	As proposed	nil
4b	Location of topsoil, OB and mineral reject dumps	north , south side of the lease area	As proposed	nil

4c	Number of dumps within lease area and outside of lease area	within the lease area=02	As proposed	nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Barren area within the lease at eastern side	As proposed	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.	nil	nil	nil
4i	Length of Retaining wall or garland drain all along dumps	-	nil	nil
4j	Number of settling ponds	nil	nil	nil
4k	Specific comments of inspecting officer on waste dump management	proposal given being follwed is adequate	adequate	nil

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	NA	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)	NA	NA	NIL

5d	Total area fully reclaimed and rehabilitated	No proposal	NA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	NIL

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	NIL	NIL	NIL
6d	No. of saplings planted during the year	200	200	NIL
6e	Cumulative no .of plants	240	240	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	Rs10000/	Rs10000/	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	no propoasl	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 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	NA	NA	
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	NO	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	NIL	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	NIL

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual	NIL

7c	Different grade of mineral sorted out at mines.	all grades&sizes recovered	As proposed	nil
7d	Any beneficiation process at mines .	No proposal	NA	nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Afforestation		
8b	Concurrent use or storage of topsoil	Utlised for Afforestation	Utlised for Afforestation	nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	nil	nil	nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Afforestation	As proposed	nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200	As proposed	NIL
8g	Survival rate	60%	60%	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	NIL	NIL	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-	AR has not submitted	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	part time ME & GEOL has not appointed	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	mining =1.10.0 ha, dump=0.40.0ha ,roads=0.01.0, planta=032.0. ha	mining =1.10.0 ha, dump=0.40.0ha ,roads=0.01.0, planta=032.0. ha	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA	NIL

9h	Scrutiny of Annual return on fixed assets	NIL	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	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
Rule 27(2)	11-OCT-17				
Rule 45(5)	11-OCT-17				
MCDR17 Rule 55(1)(3)	11-OCT-17				

Date :

(**T.PHALTHURAIRAJHEN**)

Indian Bureau of Mines