

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/PBR/LST-57/MDS

Mine code : 38TMN24067

- (i) Name of the Inspecting : **N001**) **N.SUBRAHAMAANYAM**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Mr.Radhakrishnan. Mine Official.
Official with
Designation
- (iv) Date of Inspection : 05/10/2017
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PERALI SOUTH (4.59) HECT.**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : PERAMBALUR
Village : PERALI SOUTH
Taluka : KUNNAM
Post office : MARUVATHUR
Pin Code :
FAX No. : 0431-2541942
E-mail : tmkjayakumar@gmail.com
Phone :
- (f) Police Station :
- (g) First opening date : 13/05/1999
- (h) Weekly day of rest : SUN
2. Address for : NO.63-A3RD CROSS,
correspondance PARAMASIVAMPURAM,
LALGUDI,TIRUCHIRAPALLI- 621601
3. (a) Lease Number : TMN1545
(b) Lease area : 4.59
(c) Period of lease : 20
(d) Date of Expiry : 27/02/2031
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : TVL.PRAVEEN MINERALS MINERALS LTD.
NO.63-A3RD CROSS
PARAMASIVAPURAM LALGUDI
TIRUCHIRAPALLI TAMIL NADU
Phone:
FAX :

Owner : PRAVEEN MINES AND MINERALS
NO.63-A3RD CROSS,
PARAMASIVAMPURAM, LALGUDI
TIRUCHIRAPALLI TAMIL NADU
Phone:
FAX : 0431-2541942

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 08/05/2015
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 BH up to a depth of 9m from surface.	Nil	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems.
1b	Exploration over lease area for geological axis 1 or 2	Geological axis 1	Existing pit reached 20m depth from surface.	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	The ML area is small & existing pit covered entire area.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	The ML area is small & existing pit covered entire area.	Nil
1e	Balance reserve as on 01/04/20	a. ROM-615100 tones(111) b. ROM-24128 tones(222), c. c. ROM-332200 tones (221).	a. ROM-615100 tones(111) b. ROM-24128 tones(222), c. c. ROM-332200 tones (221).	NO commenta.
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems	No comments.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern side of lease area.	Same as proposed.	No comments.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches have made for topsoil cum OB Same as proposed.	Separate benches have made for topsoil cum OB Same as proposed.	No comments.

2c	Stripping ratio or ore to OB ratio	1:16	Same as proposed.	Nil.
2d	Quantity of topsoil generation in m3	About 20000 M3.	Same as proposed.	Nil.
2e	Quantity of overburden generation in m3	Topsoil cum overburden is about 20000 M3.	Same as proposed.	Nil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil.	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems.	No comments

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems.
3b	Quantity of ROM mineral production proposed	53000 tones	Same as proposed.	Nil.
3c	Recovery of sailable/usable mineral from ROM production	70% of ROM production.	Same as proposed.	Nil.
3d	Quantity of mineral reject generation	No rejects.	Same as proposed.	Nil.
3e	Grade of mineral rejects generation and threshold value declared.	No rejects.	Same as proposed.	Nil.
3f	Quantity of sub grade mineral generation.	Not applicable	Below 30% of CaCO ₃ with contaminations of calc gneiss waste are considered as mineral rejects in these particular formations.	Nil.
3g	Grade of sub grade mineral generation	Not applicable	Nil	Nil

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	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	Drilling & blasting is done by contract basis.	Same as proposed	Nil.
3k	Provision of mining machineries in mineral benches	Wagon drill, Hitachi EX200LC, Taurus, Compressor and 10 ton Tipper for transportation of ROM to needy Industries.	Same as proposed	Nil.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Benches are formed as per regulation 106 of MMR 1961.	Same as proposed	Nil.
3m	Total area covered under excavation/pits	0.59 ha	Working pit depth has reached 20m from surface.	Nil.
3n	Ore to OB ratio for the pit/mine during the year.	1:3	Same as proposed.	Nil.
3o	Total area put in use under different heads at the end of year	3.52 ha	Same as proposed.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	2012-13:7176 2013-14:7176 2014-15:7176 2015-16:57762 2016-17:59530	2012-13:10176 2013-14:11176 2014-15:10812 2015-16:48700 2016-17:53000	Deviation in production is due to flexibility of market demands.

3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps made for Topsoil cum OB and Mineral rejects.	Same as proposed.	Nil.
4b	Location of topsoil, OB and mineral reject dumps	North and North-western side of ML area.	Same as proposed.	Nil.
4c	Number of dumps within lease area and outside of lease area	3 dumps with in ML area & no dump are outside of M.L.area.	Same as proposed.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern side of ML area.	Same as proposed.	Nil.
4e	Number of active and alive dumps.	Two dumps are alive.	Two dumps are alive.	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.	No retaining wall or garland drain is proposed.	Same as proposed.	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not applicable.	Same as proposed.	Nil.
4j	Number of settling ponds	Not applicable.	Same as proposed.	Nil.
4k	Specific comments of inspecting officer on waste dump management	Nil	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems	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.	At present not applicable, since the mine is active.	Same as proposed.	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	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems	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).	Annual report on PMCP is to be submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	No annual report on PMCP submitted.	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.01 ha	0.01 ha	Nil.
6d	No. of saplings planted during the year	20 nos	20 nos	No comments.
6e	Cumulative no .of plants	200 nos	75 nos	Due to water problem.

6f	Any other method of rehabilitation	Nil	Nil	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	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 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)	Nil	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems	No comments.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral is grade-wise sorting within lease area	Same as proposed.	Nil.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Same as proposed.	Nil.
7c	Different grade of mineral sorted out at mines.	Not applicable.	Grade of mineral is uniform.	Nil.
7d	Any beneficiation process at mines	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems	Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Top soil cum overburden is removed separately	Same as proposed.	For future use.
8b	Concurrent use or storage of topsoil	1m OB cum Topsoil is removed separately and dumped for future use of plantation.	Same as proposed.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for topsoil cum OB and waste.	Same as proposed.	Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Generation of topsoil/overburden is a small quantity to be used for plantation purpose	Same as proposed.	Nil.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	At present it is not applicable, since the mine is active.	Nil.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The area is dry and barren.	Some plantations have been made along the lease boundary within safety zone.	Nil.
8g	Survival rate	80%	50%	Due to water problem.
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	Area is dry and barren.	Some greenery has been developed by mine management.	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and annual returns are required to be submitted.	Monthly returns and annual returns were submitted. Both are scrutinized & found to be in order.	No comments.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Nil	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	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	Nil	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Wagon drill, Hitachi EX200LC, Taurus, Compressor and 10 ton Tipper for transportation of ROM to needy Industries.	Same as proposed.	Mining operations was temporary discontinued due to environmental clearance / poor market / labour problems

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 27(2)	13/11/2017			
MCDR17	Rule 28(1)	13/11/2017			

Date :**(N.SUBRAHAMAANYAM)**

Indian Bureau of Mines