INDIAN BUREAU OF MINES
MINERALS DEVELOPMEMT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST-57.MDS **Mine code : 38TMN28006**

(i) Name of the Inspecting Officer and ID No. : **N001) N.SUBRAHAMAANYAM**

(ii) Designation : Assistant Mining Engineer

(iii) Accompaning mine Official with Designation : Mr.Karthek

(iv) Date of Inspection : 14/09/2017

(v) Prev.inspection date : 24/12/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MELAPAGUTHI**

(b) Registration NO. :

(c) Category : B Manual

(d) Type of Working : Opencast

(e) Postal address

State : TAMIL NADU

District : KARUR

Village : MELAPAGUTHI

Taluka : KULITHALAI

Post office : MELAPAGUTHI

Pin Code :

FAX No. :

E-mail :

Phone :

(f) Police Station :

(g) First opening date :

(h) Weekly day of rest : SUN

2. Address for correspondance : MELAPAGUTHY VILL
KULITHALAI TK
KARUR DT.

3. (a) Lease Number : TMN1571

(b) Lease area : 4.72

(c) Period of lease : 5

(d) Date of Expiry : 03/06/1998

4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S.SAKTHI MINERAL & CHEMICAL COMPANY
VINAYAGAMPATTY
KANNANKURICHI(PO) SALEM
SALEM TAMIL NADU
Phone:417642 / 415154
FAX :

Owner : M/S SAKTHI MINERALS & CHEMICAL CO.
VINAYAGAMPATTI
KANNANKURICHI PO SALEM
SALEM TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 24 MCR1960 16/09/2008
Mining Scheme rule 12 MCDR1988 06/03/2014

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	One Bore Hole up to 30m depth.	Lessee did not carry out due to financial problems.	Three existing pits measures as 115x57x10m d. 109x40x9m d. 79x25x5m d.
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	The mining lease area covered by pits. Three existing pits measures as a. 115x57x10m d.b.109x40x9m d and c.79x25x5m d.	No comments.
1e	Balance reserve as on 01/04/20	515000 t(111) 418000 t (221)	515000 t(111) 418000 t (221)	No comments.
1f	General remarks of inspecting officers on geology, exploration etc	Mine is not working for more than 90 days due to Environmental clearance.	No comments	No comments

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South side on existing pit.	Same as proposed.	No comments
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil, OB made.	Same as proposed.	No comments
2c	Stripping ratio or ore to OB ratio	Ore to waste is 1:1.2 ratios.	Same as proposed.	No comments
2d	Quantity of topsoil generation in m3	No topsoil cum overburden.	Same as proposed.	Working on existing pit.

2e	Quantity of overburden generation in m3	No topsoil cum overburden	Same as proposed.	Nil.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mine is not working for more than 90 days due to Environmental clearance.	Mine is not working for more than 90 days due to Environmental clearance.	No comments

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil
3b	Quantity of ROM mineral production proposed	16000	Same as proposed.	Nil
3c	Recovery of sailable/usable mineral from ROM production	60% Limestone & 40% mineral waste.	Same as proposed.	Nil
3d	Quantity of mineral reject generation	No rejects	Mineral rejects is 40% of ROM which includes rock fragments, impurities etc.	No rejects
3e	Grade of mineral rejects generation and threshold value declared.	No rejects	Mineral rejects is 40% of ROM which includes rock fragments, impurities etc.	Nil.
3f	Quantity of sub grade mineral generation.	No sub-grade mineral.	Below 40% 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	NA	Nil	Nil.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Same as proposed.	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	Drilling & blasting is done by contract basis.	Same as proposed.	Nil.
3k	Provision of mining machineries in mineral benches	10 t tipper for transportation 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	Height of bench is 3m & width is 5m.	Same as proposed.	Nil.
3m	Total area covered under excavation/pits	1.16 ha	Same as proposed.	Nil.
3n	Ore to OB ratio for the pit/mine during the year.	Ore to OB is 1:0.78 ratios.	Same as proposed.	Nil.
3o	Total area put in use under different heads at the end of year	3.20 ha	Same as proposed.	il.
3p	Production of ROM mineral during the last five year period as applicable	a.2012-13:5753 b.2013-14:9152 c.2014-15:1378 d.2015-16:8720 e.2016-17:3290	a.2012-13:5000 b.2013-14:9000 c..2014-15:Nil. d.2015-16:Nil. e.2016-17:Nil.	Deviation in production is due to admin problems.
3q	General remarks of inspecting officers on method of mining etc.	Proposal was adequate.	After reopening. Mining carried out as per proposal.	No comments.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Two	Two	Nil
4b	Location of topsoil, OB and mineral reject dumps	North & East side of ML area.	Same as proposed.	Nil.
4c	Number of dumps within lease area and outside of lease area	All dumps are with in lease area.	Same as proposed.	Nil
4e	Number of active and alive dumps.	Two dumps are alive & active.	Same as proposed.	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 proposal for Retaining wall or garland drain all along dumps.	Same as proposed.	Topsoil cum overburden is dumped all along safety zone.
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	Nil
4j	Number of settling ponds	No proposal.	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Mine is not working for more than 90 days due to Environmental clearance.	Mine is not working for more than 90 days due to Environmental clearance.

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.	Mine is active	Not applicable at present stage.	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)	Use of topsoil is for plantation.	Same as proposed.	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil.	Mine is not working for more than 90 days due to Environmental clearance.	No comments.

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.	No annual report on PMCP is submitted on time and correctly.	No comments.
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.02 ha	0.02 ha	No comments.
6d	No. of saplings planted during the year	20 nos	20 nos	Nil.
6e	Cumulative no .of plants	250 nos	75 nos	Due to water problems.
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	Mine is not working for more than 90 days due to Environmental clearance.	No comments.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral grade-wise sorting within lease area	Same as proposed.	Nil.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Same as proposed.	Nil.
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Nil
7d	Any beneficiation process at mines .	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Mine is not working for more than 90 days due to Environmental clearance.	No comments.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil cum OB is removed separately.	Same as proposed.	No comments.
8b	Concurrent use or storage of topsoil	Plantation	Same as proposed.	No comments.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for Topsoil, side burden & mineral waste.	Same as proposed.	Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Little quantity of overburden is to be used for plantation purpose.	Same as proposed.	No comments.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Since the lease area is small, does not arise.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Few neem tress planted	Same as proposed.	No comments.
8g	Survival rate	80%	Due to water problems only 45%	Due to water problems only 45%
8h	Water sprinkling on roads to control airborne dust	No proposal	Since the lease area is small, does not arise.	Nil.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil.	Mine is not working for more than 90 days due to Environmental clearance.	No comments.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	1. Monthly returns and Annual returns has to be submitted.	1. Monthly returns and Annual returns have been submitted. Both returns were checked & found to be correct.	Nil.

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	Mine is not working for more than 90 days due to Environmental clearance.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil.	Nil.	Nil.
9h	Scrutiny of Annual return on fixed assets	Nil.	Nil.	Nil.
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	Mine is not working for more than 90 days due to Environmental clearance.

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(4)	26/09/2017					
MCDR17	Rule 27(2)	26/09/2017					
MCDR17	Rule 28(1)	26/09/2017					
MCDR17	Rule 55(1)(3)	26/09/2017					

Date :

(**N.SUBRAHAMAANYAM**)

Indian Bureau of Mines