

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST-85/MDS

Mine code : 38TMN14057

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : M.Muthukaruppan, Lessess's representative
Official with
Designation
- (iv) Date of Inspection : 30/05/2019
- (v) Prev.inspection date : 20/10/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PULLAMBADI (1.87.0)HECT.**
- (b) **Registration NO.** : **IBM/563/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : TIRUCHIRAPALLI
Village : PULLAMBADI
Taluka : LALGUDI
Post office : PULLAMBADI
Pin Code :
FAX No. :
E-mail : dcplmaruthi@gmail.com
Phone : 9489201004
- (f) Police Station : Lalgudi
- (g) First opening date : 05/05/2000
- (h) Weekly day of rest : SUN
2. Address for : S.SARAVANAN, MANAGING DIRECTOR
correspondance : M/S.SATHAMMAI CHEMICALS PVT. LTD, NO.69, GANAPAT
NAGAR, TV.KOIL, TRICHY-5
3. (a) Lease Number : TMN1279
- (b) Lease area : 1.87
- (c) Period of lease : 20
- (d) Date of Expiry : 04/11/2019
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S.SARAVANAN
 23,AKILA NAGAR
 TIRUVINAIKOIL, TRICHY
 TIRUCHIRAPALLI TAMIL NADU
 Phone:433006
 FAX :

Owner : S.SARAVANAN
 24,AKILA NAGAR, T.V.KOIL,
 TRICHY-5 TIRUCHIRAPALLI
 TAMIL NADU
 Phone:
 FAX :

Geologist

Name : S.SUBRAMANIAM,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	08/09/1997
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21/04/2005
		Mining Scheme rule 12 MCDR1988	25/11/2011
		Mining Scheme rule 12 MCDR1988	06/05/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	Not applicable	mine is fully explored under G1 level
1b	Exploration over lease area for geological axis 1 or 2	NIL	Not applicable	mine is fully explored under G1 level
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	Not applicable	mine is fully explored under G1 level
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	Not applicable	mine is fully explored under G1 level
1e	Balance reserve as on 01/04/20	--	199040 tonns	Nil
1f	General remarks of inspecting officers on geology, exploration etc	---	---	Mine is fully explored under G1 level

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Propose at Pit -1	Mine not working	Mine is not working since 2017wanted of Environmental clearance
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	Separate benches are found maintained	Mine not working
2c	Stripping ratio or ore to OB ratio	1:0.40	No production development, mine not working	NIL
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	NIL
2e	Quantity of overburden generation in m3	No over burden	Not applicable	Only Mineral reject generated.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	--	---	Mine is not working, mine pits found satisfactory
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 Nos of pits	2 pit are found,,during inspection mine was notworking .	NIL
3b	Quantity of ROM mineral production proposed	29744 (2018-19)	NIL	Mine not working
3c	Recovery of sailable/usable mineral from ROM production	17846 tonns	NIL	Mine not working
3d	Quantity of mineral reject generation	11898 tonns	NIL	Mine not working
3e	Grade of mineral rejects generation and threshold value declared.	Cement Grade	Cement Grade	NIL
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable	No sub-grade mineral
3g	Grade of sub grade mineral generation	NIL	Not applicable	No sub-grade mineral
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	not applicable	No beneficiation
3j	Provision of drilling and blasting in mineral benches	proposed	as per the proposal	Mine not working
3k	Provision of mining machineris in mineral benches	Jackhammer and excavators	Jackhammer, and excavators	NIL

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Top soil bench height - 1.5 and mineral bench height-4	Top soil bench height - 1.5 and mineral bench height-4		Mine not working
3m	Total area covered under excavation/pits	1.12.5 Ha	1.12.5 Ha		NIL
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.40	Not working		Mine not working
3o	Total area put in use under different heads at the end of year	Area under Mining - 1.12.5 Roads 0.02.0 Green Belt 0.04.0 Others 0.68.5	Area under Mining - 1.12.5 Roads - 0.02.0 Green Belt - 0.04.0 Others - 0.68.5		as per the proposal
3p	Production of ROM mineral during the last five year period as applicable	2014-15 3427 2015-16 53539 2016-17 60908 2017-18 41018 2018-19 29744	2014-15 12183 2015-16 1260 2016-17 18300 2017-18 NIL (mine not Working) 2018-19 NIL		Mine not working since 2017 wante of enviromental clearance
3q	General remarks of inspecting officers on method of mining etc.	---	---		During the time of inspection the mine is not working

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil- 1	Top soil-1	No OB

4b	Location of topsoil, OB and mineral reject dumps	Top soil dump locate Northern boundary	Top soil dump locate Northern boundary	As per the proposal
4c	Number of dumps within lease area and outside of lease area	one	one	Already Existing
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Close to the boundary in southern side	Found Close to the boundary in southern side	NIL
4e	Number of active and alive dumps.	one	one (existing)	Mine not workin
4f	Number of dead dumps.	NIL	No dede dumps	NIL
4g	Number of dumps established.	NIL	Not applicable	dumps are active
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	Given	NIL
4i	Length of Retaining wall or garland drain all along dumps	250 meters	250 meters	NIL
4j	Number of settling ponds	NIL	Not applicable	Not applicable
4k	Specific comments of inspecting officer on waste dump management	----	-----	Mine is not working during inspection

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	Not applicable	Mineral not exhausted
5b	Area under backfilling of mined out area	NIL	Not applicable	Mineral not exhausted

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed for plantation after exhaustion of mineral	Not applicable	Mineral not exhausted
5d	Total area fully reclaimed and rehabilitated	NIL	Not applicable	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	---	backfilling, reclamation does not arise at the stage

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted	Submitted in time
6b	Area available for rehabilitation (ha) .	NIL	Not applicable	Area is not available for rehabilitation
6c	afforestation done (ha).	0.05.5	Nine not working since 2017	--
6d	No. of saplings planted during the year	10 neem trees	Nine not working since 2017 -	nil
6e	Cumulative no .of plants	50 during plan period	30 nos carried out up to 2017, after mine is not working	NIL
6f	Any other method of rehabilitation	NIL	NIL	No other method of rehabilitation
6g	Cost incurred on watch and care during the year	NIL	Nine not working	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	Not applicable	Nine not working

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	Not applicable	Nine not working
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	Not applicable	Mineral not exhausted
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NIL	Not applicable	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NIL	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Nine not working	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	---	Duing the time of inspection mine not working

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	17846 tonnes (2018-19)	Mine not working	Recovery of 60% from ROM
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines.	mechanical	No sub grade	NIL
7d	Any beneficiation process at mines	NIL	No beneficiation process	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	---	--	Mineral conservation & beneficiation issues is satisfactory

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes	Used for plantation	Mine not working
8b	Concurrent use or storage of topsoil	Used for plantation	Used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separated dump for topsoil and mineral reject	Mine not working	Separated dump for topsoil and mineral reject are found
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Stocked separately	Mine not working	Found Stocked separately

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Not at the stage
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10 neem tree (2018-19)	Not carried out because the mine is not working since Feb-2017	Mine is not working since Feb-2017
8g	Survival rate	60%	60%	NIL
8h	Water sprinkling on roads to control airborne dust	Yes	Water tanker used for Water sprinkling	Water tanker used for Water sprinkling
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	aesthetic beauty in and around mines area is founs good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Submitted	Submitted in time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Give	Geologist: G.panisamy	Found as per the record submit to IBM
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	GIVEN	Area under Mining - 1.12.5 Roads - 0.02.0 Green Belt - 0.04.0 Others - 0.68.5	As per the proposal

9d	Scrutiny of Annual return on afforestation	Given	Green Belt - 0.04.0 Hect	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not applicable	Not applicable	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not applicable	Not applicable	No mialal stock reported
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Mine price -Rs.212	NIL
9h	Scrutiny of Annual return on fixed assets	Given	RS.200000/-	Given in part III
9k	Scrutiny of Annual return on mining machineries	Given	Jackhamer-2 and Dozer - 1	

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 :

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines