

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST-70.MDS

Mine code : 38TMN14043

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : SRI MUTHUKARUPPAN, VICE PRESIDENT.
Official with
Designation
- (iv) Date of Inspection : 29/08/2019
- (v) Prev.inspection date : 16/11/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VENKATACHALAPURAM - II**
- (b) **Registration NO.** : **IBM/456/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : TIRUCHIRAPALLI
Village : VENKATACHALAPURAM
Taluka : LALGUDI
Post office : VENKATACHALAPURAM
Pin Code :
FAX No. : 04312670042
E-mail : dcplmaruthi@gmail.com
Phone : 04312670164
- (f) Police Station : Kallakudi
- (g) First opening date : 15/12/1995
- (h) Weekly day of rest : SUN
2. Address for : VENKATACHALAPURAM(VIL)
correspondance : PULLAMBADI(P),LALGUDI (tk)
TRICHY DIST
3. (a) Lease Number : TMN1278
- (b) Lease area : 3.25
- (c) Period of lease : 20
- (d) Date of Expiry : 12/04/2013
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S.SUBRAMANIAN
 69,GANAPATHY NAGAR T.V.KOIL
 TRICHY TIRUCHIRAPALLI TAMIL
 NADU
 Phone:
 FAX :

Owner : S.SUBRAMANIAN
 69, GANAPATHY NAGAR
 T.V.KOIL ST TRICHY
 TIRUCHIRAPALLI TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : K.ARUNACHALAM,Part Time
 Qualification : BE(MINING)
 Appointment/ : 28/06/2002
 Termination date

Geologist

Name : S.SUBRAMANIAM,Full Time
 Qualification : MSC(GEOLOGY)
 Appointment/ : 26/06/2002
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	15/01/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	21/04/2005
		Mining Scheme rule 12 MCDR1988	25/11/2011
		Renewal under rule 24 MCR1960	03/12/2014
		MP modif under 17(3) MCR 2016	30/12/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NA	Mine fully explored
1b	Exploration over lease area for geological axis 1 or 2	NIL	NA	Explored under G1 level
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NA	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	fully explored
1e	Balance reserve as on 01/04/20	NIL	NIL	Nil
1f	General remarks of inspecting officers on geology, exploration etc	---	---	The geology, exploration is found satisfactory

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern side of the ML	As per the proposal	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed	Separate benches maintained	NIL
2c	Stripping ratio or ore to OB ratio	1:0.30	1:0.30	NIL
2d	Quantity of topsoil generation in m3	NIL	NA	No top soil generation
2e	Quantity of overburden generation in m3	NIL	NA	During the year no OB generation

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	---	Deevelopment of pit found satisfactory
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	NIL	Mine was temporarily discontinued from 20.02.2017.
3b	Quantity of ROM mineral production proposed	NIL	NA	NIL
3c	Recovery of sailable/usable mineral from ROM production	NIL	NA	Mine not working
3d	Quantity of mineral reject generation	NIL	NA	Mine not working
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NA	Mine not working
3f	Quantity of sub grade mineral generation.	NIL	NA	Mine not working
3g	Grade of sub grade mineral generation	NIL	NA	Mine not working
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NA	Mine not working
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NA	Mine not working
3j	Provision of drilling and blasting in mineral benches	NIL	NA	Mine not working

3k	Provision of mining machineries in mineral benches	PROPOSED	nil		Mine not working
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed	NIL		Mine not working
3m	Total area covered under excavation/pits	0.96.3	0.96.3		Mine not working
3n	Ore to OB ratio for the pit/mine during the year.	1:0.02	NIL		Mine not working
3o	Total area put in use under different heads at the end of year	NIL	nil		Mine was temporarily discontinued from 20.02.2017.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 21374 2018-19 24500 2019-20 23841	2015-16 100 2016-17 10360 2017-18 0 2018-19 0 2019-20 0		Mine was temporarily discontinued from 20.02.2017
3q	General remarks of inspecting officers on method of mining etc.	----	---		Mine was temporarily discontinued from 20.02.2017

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	NA	Mine was temporarily discontinued from 20.02.20
4b	Location of topsoil, OB and mineral reject dumps	NIL	NA	Mine not working
4c	Number of dumps within lease area and outside of lease area	one	NA	Mine not working

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	E 1250 - E-1300 &N-1200-N1150	NIL	Mine not working
4e	Number of active and alive dumps.	1	NIL	Mine not working
4f	Number of dead dumps.	NIL	NA	NIL
4g	Number of dumps established.	NIL	NA	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	NA	NIL
4j	Number of settling ponds	NIL	NA	NIL
4k	Specific comments of inspecting officer on waste dump management	----	----	Mine was temporarily discontinued from 20.02.2017

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.	NIL	NA	Mine was temporarily discontinued from 20.02.2017
5b	Area under backfilling of mined out area	NIL	NA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NA	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NA	NA

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-+--	-----	Mine was temporarily discontinued from 20.02.2017
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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).	NIL	NA	Mine was temporarily discontinued from 20.02.2017
6b	Area available for rehabilitation (ha) .	NIL	NA	NIL
6c	afforestation done (ha).	NIL	NA	NIL
6d	No. of saplings planted during the year	70	NA	Mine not working
6e	Cumulative no .of plants	nil	NA	Mine not working
6f	Any other method of rehabilitation	NIL	NA	Mine not working
6g	Cost incurred on watch and care during the year	NIL	na	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NA	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NA	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	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	NIL	Mine not working
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	---	Mine was temporarily discontinued from 20.02.2017

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	2018-19=24500 2019-20=23841	NIL	Mine was temporarily discontinued from 20.02.2017
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	NIL	Mine not working
7c	Different grade of mineral sorted out at mines.	NIL	NA	Mine not working
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	Mine not working

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NA	Mine was temporarily discontinued from 20.02.2017
8b	Concurrent use or storage of topsoil	NIL	Na	Mine not working
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	propose	NIL	Mine not working
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NA	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NA	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NA	NIL
8g	Survival rate	70%	NIL	Mine not working
8h	Water sprinkling on roads to control airborne dust	Proposed	NIL	Mine was temporarily discontinued from 20.02.2017
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	----	Mine was temporarily discontinued from 20.02.2017

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted	Annual return for 2019-20 submitted	Mine not working NIL return submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given in the format	Not furnished	Part-I Sl.No.8&9 & Part-II, Employment & Wages
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in the format	00	Part-I Sl.No.12
9d	Scrutiny of Annual return on afforestation	Given in the format	0.80	Part-I Sl.No.12

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in the format	0	Part-V General Geology, Sl.No.4.2(B)
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in the format	0	Part-VI, Sl.No.2
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in the format	Mine price = 0 production cost =0	PART - VII (COST OF PRODUCTION)
9h	Scrutiny of Annual return on fixed assets	Given in the format	Not furnished	PART III, Sl.No. 2 (Royalty and Rents)
9k	Scrutiny of Annual return on mining machineries	Given in the format	NIL given	PART - V (General Geology & Mining) Sl.No.5

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