

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No. TN/PT/LST-38.MDS		Mine code - 38TMN15075
(i)	Name of the inspecting officer & Designation	D.chandra sekhar Reddy. Assistant Mining Engineer
	Accompanied mine official and designation	Shri. S.Sekhar, lessee and P.Viswanath QP.
(iii)	Date of inspection	23/10/2024 under ROMP.
PART-I: General Information		
1. (a)	Mine Name	Varavanai Limestone mine 1.90.5 Hc..
(b)	Registration Number	IBM/10612/2012
(c)	Category	B
(d)	Type of Working	Opencast
(e)	Postal Address	Sri.S.sekhar Owner No.73,raja Colony, Collector office Road, Contonment,Tiruchurapalli – 620001.
	State	Tamilnadu
	District	Karur
	Village	Varavanai
	Taluka	Kadavur
	Post Office	Kulithalai
	Police station	Kulithalai
	Pin Code	621301
FAX No.	--	
E-mail	sekharsonachalam@yahoo.in	
Phone	934514147	
(f)	Police Station	Kulithalai
(g)	First opening date	12/12/1997
(h)	Weekly day of rest	SUN
2.	Address for correspondence	Sri.S.sekhar Owner No.73,raja Colony, Collector office Road, Contonment,Tiruchurapalli – 620001
3. (a)	Lease Number	Not Available
(b)	Lease Area	2.24 Ha
(c)	Period of lease	20 years
(d)	Date of expiry	17/11/2015.
4.	Mineral worked	Limestone
5.	Name and address of the	Sri.S.sekhar Owner No.73,raja Colony, Collector office Road, Contonment,Tiruchurapalli – 620001
	Lessee/owner:	
	Agent:	NIL
	Manager:	NIL
	Engineer:	NIL
Geologist:	NIL	

6	Date of Approval of Mining Plan/Modified Mining Plan with five – year period and specific condition in approval letter, if any.	<ol style="list-style-type: none"> 1. TN/TCR/MP/LST/545/MDS Dated 30.06.2005 2. TN/KRR//LST/MS-333.MDS Dated 18.02.2001. 3. TN/KRR//LST/MS-741.MDS Dated 10.10.2012. 4. TN/KRR//LST/MS-1372.MDS Dated 13.06.2016 5. TN/KRR/LST/ROMP-1651.MDS dated:23/07/2021
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	NIL.

PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICERS**EXPLORATION**

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	NIL during 2023-24. However 5 drill holes proposed during 2021 to 2023.	Nil	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19.
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	Area explored under G1 & G2 level.	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
1c	Exploration Agency & 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	Nil	Exploration needed to prove the depth existence.
1e	Balance reserves as on 01.04.2024 (111 Category)	-	111 - 8396 tonnes 221&222-179605 tonnes (Source: Previous mcdr report/ROMP)	Cement grade.
1f	General comments of inspecting officer on geology, exploration etc.	-	-	Cement grade limestone. Mine is not in operation since 2017 - 18 onwards.

DEVELOPMENT

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Between 10 45'05.47" N 78 13 '47.27"E 10 45' 05.49"N 78 13'48.25" E	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	No Topsoil .Separate benches proposed in OB.	Separate benches exist with bench height	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
2c	Stripping ratio or ore to OB ratio	1:2.4	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19

2d	Quantity of topsoil generation in m3	175 Cu.m.	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
2e	Quantity of overburden generation in m3	700 Cu.m. side burden	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	--	--	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	One	One pit exist.	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
3b	Quantity of ROM mineral production proposed	1989 tonnes.	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
3c	Recovery of salable/usable mineral from ROM production	1193 tonnes.60% recovery.	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
3d	Quantity of mineral reject generation	796 tonnes (40% of ROM)	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19

3e	Grade of mineral rejects generation and threshold value declared.	NA.	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
3f	Quantity of sub grade mineral generation.	NIL	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
3h	Manual / Mechanized method adopted for segregating from ROM	Manual	NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
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	Jack hammer drilling proposed.	Nil	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
3k	Provision of mining machineries in mineral benches	NIL	Manual.	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	5-7 m benches shown.	No proper benches maintained	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
3m	Total area covered under excavation/pits	0.24	0.24	Mine not in operation since 2016-17

				onwards due to EC problem. No valid ROMP document after 2018-19
3n	Ore to OB ratio for the pit/mine during the year.	1:2.4	NIL	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
3o	Total area put in use under different heads at the end of year	0.78 HC Mining-0.24 Hc Dump-0.39 Hc Infra-0.01 Hc Roads-0.13 Hc Greenbelt-0.01 Hc	0.78 Hc	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

3p	Production of ROM mineral during the last five-year period as applicable	2018-19 : 1331 tonnes.	2018-219: NIL	Mine not in operation since 2017-18 onwards due to EC problem. No valid ROMP document after 2018-19
		2019-20 : 1404 tonnes	2019-20 - NIL	
		2020-21 : NIL	2020-21 ; NIL	
		2021-22 : 1236 tonnes	2021-22 : NIL	
		2022-23 : 1254 tonnes	2022-23 : NIL	
		2023-24 : 1193 tonnes	2023-24 : NIL	
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

SOLID WASTE MANAGEMENT- DUMPING :

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	Separate dumps Proposed..	OB and rejects dumped as single dump.	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
4b	Location of topsoil, OB and mineral reject dumps	Both side of the pit dumping of Top soil ,OB and reject dumps proposed.	Only existing dump on Northern side of pit exist.	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
4c	Number of dumps within lease area and outside of lease area	One	One	Within lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	NIL
4e	Number of active and alive dumps.	Top soil ,OB and reject dumps	OB and rejects dumped as single dump.	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
4f	Number of dead dumps.	Nil	Nil	NIL
4g	Number of dumps established.	NIL	Nil	Mine not in operation since 2016-17 onwards
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	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	--	--	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

SOLID WASTE MANAGEMENT-BACKFILLING

S. No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal.	Mineral not exhausted.	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19.
5b	Area under backfilling of mined out area	NIL	Nil	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes.	No topsoil generation.	Mine not in operation since 2016-17 onwards due to EC problem. No valid

				ROMP document after 2018-19
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

PROGRESSIVE MINE CLOSURE PLAN

S. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26 (2)	NIL	Not submitted.	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
6b	Area available for rehabilitation (ha).	NIL	Nil	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
6c	Afforestation done (ha).	0.05	NIL	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
6d	No. of saplings planted during the year	40	NIL	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
6e	Cumulative no. of plants	--	20 approximately including naturally grown trees.	NIL
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 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.	--	--	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1193 tonnes cement grade	Nil	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	NIL	NIL	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
7c	Different grade of mineral sorted out at mines.	cement grade	NIL	Nil
7d	Any beneficiation process at mines	Nil	Nil	NIL
7e	General remarks of inspecting officer on mineral conservation and beneficiation issues.	—	—	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	350 tonnes.	NIL	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
8b	Concurrent use or storage of topsoil	yes	NIL	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Separate dump maintained	NIL
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	NIL	NIL	NIL.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Mineral not exhausted.	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	20 saplings approximately including Natural grown plants.	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
8g	Survival rate	NIL	NIL	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	--	--	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19

COMPLIANCE UNDER RULE-45

S. No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Not submitted	NIL	Mine not in operation since 2016-17 onwards due to EC problem. No valid ROMP document after 2018-19
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR not submitted	NIL.	Lessee advised to submit NIL returns.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted	NIL.	Mine not in operation since 2016-17 onwards

				due to EC problem.
9d	Scrutiny of Annual return on afforestation	AR not submitted.	NIL	Mine not in operation
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR not submitted	NIL	Mine not in operation
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR not submitted	NIL	Mine not in operation
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR not submitted	NIL	Mine not in operation
9h	Scrutiny of Annual return on fixed assets	AR not submitted	NIL	Mine not in operation
9i	Scrutiny of Annual return on mining machineries	AR not submitted.	No machinery found	Mine not in operation

Details of violations observed during current inspection and compliance position of violations pointed out					
Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on

Date:

(D.Chandrasekhar Reddy)
Assistant Mining Engineer.
 Indian Bureau of Mines