

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/PT/LST-27.MDS

Mine code : 38TMN24031

- (i) Name of the Inspecting : 043) T.PHALTHURAJHEN
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri.ARUNPANDIAN .Assist,mine manager
Official with
Designation
- (iv) Date of Inspection : 08/10/2022
- (v) Prev.inspection date : 09/10/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : VAYALAPADI (4.75HA)
- (b) **Registration NO.** : IBM/563/2011
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : PERAMBALUR
- Village : VAYALAPADI
- Taluka : KUNNAM
- Post office : VAYALAPADI
- Pin Code :
- FAX No. : 0431-2670364
- E-mail : dcpmaruthi@gmail.com
- Phone :
- (f) **Police Station** : Kunnam
- (g) **First opening date** : 27/01/2000
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : 23,T.V.KOIL, TRICHY -620005
3. (a) **Lease Number** : TMN1159
- (b) **Lease area** : 4.75
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 11/03/2019
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 :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/05/2004
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	31/08/2009
		Modif.approved Mining Scheme	25/04/2013
		Mining Scheme rule 12 MCDR1988	09/05/2014
		MP review under 17(1) MCR 2016	05/11/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	-
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Applicable	Not Applicable	-
1e	Balance reserve as on 01/04/20	4,14234 Tonnes	Not applicable	-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Violation of rule 11(1), 26(2) and 27(2) violation pointed to the lessee.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NIL	NIL	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	NIL	Mining is carriedout at benches, so no top soil generated.
2c	Stripping ratio or ore to OB ratio	NIL	NIL	-
2d	Quantity of topsoil generation in m3	none	none	-
2e	Quantity of overburden generation in m3	none	none	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	nil	nil	boundary pillers are fixed ,but not with the prisscribed dimenstion as per CCOM circular 01/2009.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	(2021-2022)- 2,	(2021-2022)- 2,	nil
3b	Quantity of ROM mineral production proposed	40,560 tones	2810 tonnes	-
3d	Quantity of mineral reject generation	NIL	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	100%	100%	-
3f	Quantity of sub grade mineral generation.	NIL	NIL	-
3g	Grade of sub grade mineral generation	NIL	NIL	-
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Beneficiation proposed	No Beneficiation proposed	-
3j	Provision of drilling and blasting in mineral benches	no	no	-
3k	Provision of mining machineries in mineral benches	Rock breaker	Rock breaker	Nil

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes	-
3m	Total area covered under excavation/pits	mining=3.49.2 ha, Waste dump office & infrasture-nil, processing plant=nil, mineral stack processing yard=nil, mineral roads =nil, area under plantation=0.16.0 un utilization area=1.09.8 ha	mining=3.49.2 ha, Waste dump office & infrasture-nil, processing plant=nil, mineral stack processing yard=nil, mineral roads =nil, area under plantation=0.16.0 un utilization area=1.09.8 ha	nil
3n	Ore to OB ratio for the pit/mine during the year.	nil	nil	nil
3o	Total area put in use under different heads at the end of year	Total area put in use=3.49.2 ha	Total area put in use=3.49.2 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2017-18=64000 tonnes, 2018-19=88800 tonnes, 2019-20=88856 tonnes, 2020-21=43040 tonnes, 2021-22=40560 tonnes	2017-18=0 tonnes, 2018-19= 0 Ts, 2019-20=0 Ts , 2020-21=0 Ts, 2021-22=2810 Ts.	The mine was not working since 30/02/2017 and date of reopening of the mine was 18/02/2022.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	not applicable	not applicable	nil
4b	Location of topsoil, OB and mineral reject dumps	NIL	NIL	-

4c	Number of dumps within lease area and outside of lease area	NIL	NIL	No generation of waste and sub grade material.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	none	-
4e	Number of active and alive dumps.	None	none	nil
4f	Number of dead dumps.	None	None	nil
4g	Number of dumps established.	nil	nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No	No	-
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	-
4j	Number of settling ponds	NIL	NIL	-
4k	Specific comments of inspecting officer on waste dump management	-	No generation of Top Soil & OB. The mine was not working last four years 2017-18 ton2020-2021.	

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	NIL	The pit will be converted as water reservoir.
5b	Area under backfilling of mined out area	NIL	NIL	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	-

5d	Total area fully reclaimed and rehabilitated	NIL	NIL	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Proposal are being carried out.

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).	-	submitted	-
6b	Area available for rehabilitation (ha) .	Nil	Not applicable	-
6c	afforestation done (ha).	NO	NO	-
6d	No. of saplings planted during the year	NO	NO	-
6e	Cumulative no .of plants	-	-	-
6f	Any other method of rehabilitation	NIL	NIL	Not applicable.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	-
7c	Different grade of mineral sorted out at mines.	NIL	NIL	-

7d	Any beneficiation process at mines	No beneficiation	No beneficiation	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	Entire Rom being Utilized for captive consumption.	Entire Rom being Utilized for captive consumption.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposals 2021-2022 , -NIL	Actual -2021-2022 , -NIL	-
8b	Concurrent use or storage of topsoil	NIL	NIL	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NO	NO	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Pit wil be convertated as water reservoir.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	300 nos.	-
8g	Survival rate	70%	70%	-

8h	Water sprinkling yes on roads to control airborne dust	yes	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	Plantion oberseed on East , North side of ML area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-	being Submitted regularly.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	Annual return submitted up to -year 2021-2022.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-		
9d	Scrutiny of Annual return on afforestation	-	250 nos. of Saplings within lease area survival rate :70%	Furinished under part V sl no:4.4.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	Nil	no , generation.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	closing stock-328.26 tonnes(as per 2021-2022 -328 .260 tonnes annual return)	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	cost of production: Rs 256.02/ (as per 2021-2022 Annual return.)	Mine discontinued operation , since-2017.
9h	Scrutiny of Annual return on fixed assets	-	Value of Fixed assests ; Rs5,00000.00/	Found to be correct pumpe house also.

9k	Scrutiny of Annual return on mining machineries	-	Tipper:(13 tone capacity), Rock breaker -01 no.	As part v, of section 4 of sl no:5.
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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(1)	18/10/2022			
MCDR17	Rule 26(2)	18/10/2022			
MCDR17	Rule 27(2)	18/10/2022			

Date :**(T. PHALTHURAJHEN)**

Indian Bureau of Mines