

**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 : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Kumaravel, Manager Mines
Official with
Designation
- (iv) Date of Inspection : 09/10/2018
- (v) Prev.inspection date : 16/11/2017

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 : 23,T.V.KOIL, TRICHY -620005
correspondance
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

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	Axis-1	Axis-1	Reserve estimated upto 25m depth.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil.	Nil.	Exploration carried out up to 9m from pit bottom during the year 2014 and proved upto 25m from surface.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	Nil.	-
1e	Balance reserve as on 01/04/20	88800(111)	154780(111) Resource: 420440tonnes+ 262896tonnes	No production since January 2107.
1f	General remarks of inspecting officers on geology, exploration etc			Depth persistence has been proved upto 26m .

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In southern part of ML .	Mine is not in operation.	Mine is not working .Development extended beyond the proposals made in the approved Scheme of mining.Violation of rule 11(2) of MCDR 2017 has been communicated to lessee on 26.10.2018.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for top soil and mineral .	Being maintained.	Thin top soil cover is thin about less than 1m .

2c	Stripping ratio or ore to OB ratio	Nil.	Mine is not working.	There is no OB and intercalations.
2d	Quantity of topsoil generation in m3	Nil.	There is no top soil generation.	There is no top soil.
2e	Quantity of overburden generation in m3	Nil.	Top soil/Over burden being used.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine is not working.	Boundarty pillars are fixed, but not with the priscirbed dimentions as 1sq m as per CCOM circular 1/2009.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit is maintained. Proposed for production is on southern part of ML.	Mine is not working.	One pit .Dimensions of existing pit about 260m lengthx125m-155m width and depth upto 17m.
3b	Quantity of ROM mineral production proposed	64000tonnes	00 tonnes	Mine is not working for want of EC.
3c	Recovery of sailable/usable mineral from ROM production	98% of limestone	Nil.	Mine is not working.
3d	Quantity of mineral reject generation	00 tonnes	00 tonnes	-
3e	Grade of mineral rejects generation and threshold value declared.	No generation of reject.	Nil.	Even top soil/OB being used.
3f	Quantity of sub grade mineral generation.	No proposal.	Nil.	-
3g	Grade of sub grade mineral generation	5700 tonnes	Nil.	Low grade proposed. Mine is not working.

3h	Manual / Mechanised method adopted for segregating from ROM	Open cast-A OTFM method.	Nil.		Mine is not working.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil.		-
3j	Provision of drilling and blasting in mineral benches	Jack hammer operated by compressed air -portable compressor.	Nil.		Mine is not working.
3k	Provision of mining machineries in mineral benches	Yes.	6m width maintained.		-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No OB.4m bench height maintained.	Presently mine is not working.		-
3m	Total area covered under excavation/pits	4.33hect	About 3.4hect		-
3n	Ore to OB ratio for the pit/mine during the year.	No generation of OB.	Nil.		-
3p	Production of ROM mineral during the last five year period as applicable	Year - ROM Production in tonnes	Year - ROM Production in tonnes	Production Production	Production is within limits.
		2014-15:63456	2014-15:66440		
			2015-16:68780		
		2015-16:73756	2016-17:28140		
			2017-18:00		
		2016-17:48126			
		2017-18:64000			

3q General remarks of inspecting officers on method of mining etc. Mine is not working since january,2017 for want of environment clearence.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal.	Nil.	-
4b	Location of topsoil, OB and mineral reject dumps	No generation.	Nil.	Even top soil/OB being used.
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil.	-
4e	Number of active and alive dumps.	No proposal.	Nil.	-
4f	Number of dead dumps.	No proposal.	Nil.	-
4g	Number of dumps established.	No proposal.	Nil.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil.	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil.	-
4j	Number of settling ponds	No proposal.	Nil.	-
4k	Specific comments of inspecting officer on waste dump management		No generation of top soil&OB.	Mine is not working.Even top soil/OB being used with mineral.

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 back filling proposed during the document period.	Mine is not working.	-
5b	Area under backfilling of mined out area	No proposal.	Nil.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil.	
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Mine is not working.	Mine is not working since January, 2017.

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).	Nil.	Not applicable.	
6d	No. of saplings planted during the year	40no of saplings.	As proposed.	Plantation on boundseries of ML.
6e	Cumulative no .of plants		100nos.	Plantation on outside ML also.
6f	Any other method of rehabilitation	Nil.	Nil.	-
6g	Cost incurred on - watch and care during the year	-	-	Not available.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil.	Nil.	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil.	Nil.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil.	Nil.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil.	Nil.	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Nil.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil.	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil.	-

6p	Compliance of environmental monitoring (core zone and buffer zone)	Mine is not working.	Mine is not working for want of environment of clearance.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposals are being carried out.	

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM.	As proposed .	Mine is not working.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	Nil.	
7c	Different grade of mineral sorted out at mines.	No proposal.	Nil.	-
7d	Any beneficiation process at mines .	No proposal.	Nil.	Entire ROM being utilised for captive consumption.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM being utilised for captive consumption.	

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No generation of top soil.	Nil.	-

8b	Concurrent use or storage of topsoil	Nil.	Even topsoil/OB being utelised.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No generation.	Nil.	No generation of waste/OB.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 100 nos.	-
8g	Survival rate	80%	About 70%.	
8h	Water sprinkling on roads to control airborne dust	Yes.	Mine is not working.	Mine discontinued operations.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantaion obseved on the East,North side of ML and non lease area also .	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Being submitted rgularly.	-

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mine is not working since january 2017.No details as per AR.However,Mr S.Subramanian,Geologist, D.Anandharaj,Manager .	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Workings- 3.61hect.	furnished under sl no 12 of part-I.	-
9d	Scrutiny of Annual return on afforestation	Trees planted- 40nos.	furnished under part- V of sl no.4.4 ,plantation on benches and as avenue plantation.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	No generation.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil.	Nil.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price- Rs. Nil.	Nil.	Mine discontinued operations since 2017.
9h	Scrutiny of Annual return on fixed assets	Land-Rs.500000	Found to be correct.There is small office ,pump house and room for watchman.	Mine is not working.
9k	Scrutiny of Annual return on mining machineries	Nil.	As per part- V of section 4 of sl no.5.	

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(2)	29/10/2018			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines