

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-7/HYD

**Mine code :** 38APR11017

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 18/03/2020
- (v) Prev.inspection date : 15/02/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MOTHUGAPODA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : **ANDHRA PRADESH**  
District : **KURNOOL**  
Village : **MADHAVARAM**  
Taluka : **DHONE**  
Post office : **GARLDINNE**  
Pin Code : **518222**  
FAX No. :  
E-mail :  
Phone : **08516 -222039/ 222032/ 2220**
- (f) Police Station : **DHONE**
- (g) First opening date : **02/09/1982**
- (h) Weekly day of rest : **SUN**
2. Address for : **L.ABDUR REHAMAN KHAN, MANAGING DIRECTOR**  
correspondance : **DECCAN LIMESTONE MINING COMPANY (P) LTD.**  
**AT/PO- DHONE , DIST- KURNOOL, A.P -518222**
3. (a) Lease Number : **APR0192**
- (b) Lease area : **18.61**
- (c) Period of lease : **20**
- (d) Date of Expiry : **01/09/2002**
4. Mineral worked : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : M/S DECCAN LIMESTONE MINING COMPANY  
DHONE KURNOOL ANDHRA  
PRADESH  
Phone:08516-222039, 222032, 222036  
FAX :

6. Date of approval of Mining : Renewal under rule 22 MCR1960 25/02/2003  
Plan/Scheme of Mining Modif.of approved Mining Plan 06/10/2006  
Mining Scheme rule 12 MCDR1988 16/07/2007  
Mining Scheme rule 12 MCDR1988 26/04/2013  
MP review under 17(1) MCR 2016 16/05/2017

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil during the year 2018-19	
1e	Balance reserve as on 01/04/20		AS ON 01.04.2017; 3,91,441 MT. LESS PRODUCTION 2017-18 : 29,423 MT, 2018-19 :51,447 MT,2019-20 :26,653 MT  BALANCE RESERVES :2,83,981 mt	
1f	General remarks of inspecting officers on geology, exploration etc		Exploration in the lease area is carried out by 11 Trial Pits and Potential mineralised area has been developed by production Pits. Deposit of the lease is secondary deposit due to solution precipitation. The thickness of ore body is not uniform and varies from 1 to 20 meters.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	9843N to 10020N, 5075E to 5175 E	Development activity is being carried out within the approved proposals	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes Ob and Mineral benches are proposed to be maintained separately	Separate benches of Ore , OB as proposed are found maintained	
2c	Stripping ratio or ore to OB ratio	1 : 0.25	1 : 0.29	
2d	Quantity of topsoil generation in m3	No proposal	Nil	

2e	Quantity of overburden generation in m3	9300 cum	15,000 Tonnes, considering 1.5 T/cum, about 10000 cum
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mining operations are being carried out by maintaining bench height of 3 meters and width more than height.

---

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	81,840 Tonnes	51,447 Tonnes	
3c	Recovery of saleable/usable mineral from ROM production	80% of ROM	Near to the approved proposals	
3d	Quantity of mineral reject generation	Nil	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
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	Drilling is to be carried out by Jackhammer Drill with 1.5 m X 1.5 m Burden & Spacing	Lessee representative reported the drilling operation is being carried out as proposed as no drilling operation was observed during the day of inspection.	

---

3k	Provision of mining machineries in mineral benches	Back Hoe Loader (JCB), Tippers to be deployed	Machineries as proposed is reported to have been deployed in the lease area
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 meters bench height	3 meters bench height is found maintained
3m	Total area covered under excavation/pits	6.8869 Ha for excavation and Total area will be 9.1409 Ha	More or less mining operation are being carried out within approved proposals
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.25	1 : 0.29
3o	Total area put in use under different heads at the end of year	Under excavation: 6.8869 Ha, Waste dump- 1.3752 Ha, Mineral storage- 0.30 Ha, Infrastructure : 0.0115 Ha, Roads-0.2264 Ha, Green Belt-0.3409 Ha, Total 9.1409 Ha	Area put to use is more or less same as approved proposals
3p	Production of ROM mineral during the last five year period as applicable	2014-15 : 67,848 MT, 2015-16 : 94,688 MT 2016-17 : 1,08,108 MT, 2017-18 : 81,611 MT, 2018-19 : 81,840 MT	2014-15 : 66,347 MT, 2015-16 : 14,110 MT 2016-17 : 12,846 MT, 2017-18 : 29,423 MT, 2018-19 : 51,447 MT
3q	General remarks of inspecting officers on method of mining etc.		Other than Fully mechanised method of mining is being practised by maintaining bench height of 3 meters and width more than height.

---

Solid Waste Management - Dumping:

---

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

---

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dump for intercalated waste to be maintained	Yes intercalated waste dump is found maintained
4b	Location of topsoil, OB and mineral reject dumps	South western side of lease area	IW dump is found maintained as proposed
4c	Number of dumps within lease area and outside of lease area	One within lease	One within lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side UPL	Out side UPL
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil
4j	Number of settling ponds	No proposal	Nil

#### 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	Nil	The lease area is of Hilly terrain and backfilling is not possible.
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.		The lease area is of hilly terrain and no area is matured for reclamation

---

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).	To be submitted annually	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6d	No. of saplings planted during the year	200 no.	600 No.s but survival rate is very poor due to non availability of water	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Afforestation is being carried out to improve the aesthetic beauty

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM Ore of 81,840 MT to be dispatched	51,469 MT of ore dispatched
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised
7d	Any beneficiation process at mines	No proposal	Nil at mines

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes Dump for Intercalated waste to be stacked separately	Yes intercalated waste dump is observed in the lease	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8h	Water sprinkling on roads to control airborne dust	Yes to suppress the dust generation	Reported to have been maintained.	



8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation is being carried out to improve aesthetic beauty
----	--	---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR & AR to be submitted regularly	MR & AR are being submitted regularly	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings : 17.0 Ha Used for waste disposal : 1.0 Ha Occupied by plant, buildings, residential, welfare buildings & roads : 0.62 Ha	land use for mining and allied activities is more or less as per approved proposals.	
9d	Scrutiny of Annual return on afforestation	600	600	Survival rate is very poor
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	3000 MT	3000 MT	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Graded ore : 19019.00 MT	Graded ore : 19019.00 MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine Price : Rs. 222.00, COP : Rs.325.00, Sale Price Rs.566.51	Ex mine Price : Rs. 222.00, COP : Rs.325.00, Sale Price Rs.566.51	

**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 :**

**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines