

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

MCDR INSPECTION REPORT

Bangalore regional office

Mine file No : KNT/TMK/LST/2/BNG

Mine code : 38KAR19004

- (i) Name of the Inspecting : **S011**) **K.SRINIVAS**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI Siddaiah, Manager
Official with
Designation
- (iv) Date of Inspection : 12/08/2015
- (v) Prev.inspection date : 15/06/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LAKMENAHALLI**
- (b) **Registration NO.** : **IBM/6258/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : TUMKUR
- Village : LAKMENAHALLI
- Taluka : C.N. HALLI
- Post office : LAKMENAHALLI
- Pin Code :
- FAX No. : NIL
- E-mail : Karnatakalimestone@gmail.co
- Phone : 0816 - 2278271, 9880857894
- (f) **Police Station** : Chikknayakanahalli
- (g) **First opening date** : 30/01/1987
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : KARNATAKA LIMESTONE COMPANY [P] LTD
BEHIND GOVERNMENT JUNIOR COLLEGE,
C.N.HALLI TALUK, TUMKUR.-572 214
3. (a) **Lease Number** : KAR0140
- (b) **Lease area** : 25.09
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 22/07/2023
4. **Mineral worked** : LIMESTONE Main
DOLOMITE Associated

5. Name and Address of the

Lessee : KARNATAKA LIMESTONE COMPANY [P] LTD
 BEHIND JUNIOR COLLEGE,
 C.N.HALLI TALUK, TUMKUR,
 TUMKUR KARNATAKA
 Phone:08133-27269
 FAX :

Owner : KARNATAKA LIMESTONE COMPANY [P] LTD
 DO.NO:2095, VINAYAKANAGAR,
 1ST MAIN ROAD, TUMKUR
 KARNATAKA
 Phone: (08133)27269
 FAX :

Manager

Name : SIDDIAIAH
 Qualification : Mine Mate, SSLC
 Appointment/ : 01/01/2009
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	08/03/2001
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	20/12/2007
	:	Mining Scheme rule 12 MCDR1988	17/07/2012

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	no proposal	nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Nil	
1e	Balance reserve as on 01/04/20	-	-	The reserve of Limestone is 31,800 tonnes as on 1.04.2015.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The lease is for Dolomite and Limestone.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	western side of the lease	western side of the lease	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.25	1:0.25	
2d	Quantity of topsoil generation in m3	nil	NIL	
2e	Quantity of overburden generation in m3	300	75	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The mine was not in operation as per the approved proposals. The violation has been pointed out.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	3000 tonnes	600 tonnes	Less production
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	No subgrade generation.
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	

3k	Provision of mining machineries in mineral benches	Nil	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	Not specified	Not specified	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	1:0.25	
3o	Total area put in use under different heads at the end of year	Not specified	Not specified	
3p	Production of ROM mineral during the last five year period as applicable	2010-11: 11000 t 2011-12: 8750t 2012-13: 3250t 2013-14: 3000t 2014-15: 3000t	2010-11: Nil 2011-12: 1550t 2012-13: nil 2013-14: nil 2014-15: 600t	The production figures pertaing to Limestone only.
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	South eastern side	South eastern side	

4c	Number of dumps within lease area and outside of lease area	Three within the lease area.	Three within the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within the UPL	Within the UPL	
4e	Number of active and alive dumps.	three	three	
4f	Number of dead dumps.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	no specific proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not specified	Nil	
4j	Number of settling ponds	Not applicable	Nil	
4k	Specific comments of inspecting officer on waste dump management	-	-	No specific comments on waste dump management.

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	
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.	-	-	no significant proposals for back filling and reclamation etc.

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	-	Not submitted.	Violation pointed out.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.20	0.10	
6d	No. of saplings planted during the year	500	150	
6e	Cumulative no .of plants	NA	350	
6f	Any other method of rehabilitation	Nil	NIL	
6g	Cost incurred on watch and care during the year	Rs. 25000	Rs 5000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	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)	No proposal	nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	There is no specific proposal for PMCP.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	yes	yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	sorting manually	sorting manually	
7c	Different grade of mineral sorted out at mines.	one grade	one grade	
7d	Any beneficiation process at mines .	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No specific remarks.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	YES	
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	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 saplings	150 saplings	
8g	Survival rate	80%	15%	
8h	Water sprinkling on roads to control airborne dust	No proposal	nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no impact of mining on aesthetic beauty in and around the mining lease.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	-	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	-	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	-	
9d	Scrutiny of Annual return on afforestation	Given	-	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	-
9h	Scrutiny of Annual return on fixed assets	Given	-
9k	Scrutiny of Annual return on mining machineries	Given	-

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
Rule 13(1)	18/09/2015	10/11/2015	Rule 23E(2)	18/09/2015	25/01/2016
Rule 23E(2)	18/09/2015				

Date :
(K.SRINIVAS)

Indian Bureau of Mines