

MCDR-MiFLOLST/19/2023-BNG-IBM\_RO\_BNG  
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/29266/2024

Review and updation of Mining Plan REPORT

Bangalore regional office

Mine file No : KNT/CTD/LST/20/BNG

Mine code : 38KAR07009

- (i) Name of the Inspecting : 277 ) GANGADHAR BHAKAT  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Muralibabu.B.K - Prdn. Manager  
Official with  
Designation
- (iv) Date of Inspection : 21/12/2023
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : LAXMI (S.NO.1861)
- (b) Registration NO. : IBM/5988/2011
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : KARNATAKA  
District : CHITRADURGA  
Village : ITTIGEHALLI  
Taluka : HOSADURGA  
Post office :  
Pin Code :  
FAX No. : 080-223562148  
E-mail : vanimine@gmail.com  
Phone : 080-23562153, 9448531929 (m)
- (f) Police Station : HOSADURGA
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for correspondence : LAKSHMI CEMENT&CERAMICS INDUSTRIES LTD  
FLAT NO. 302, R.V. APARTMENTS, PIPELINE ROAD  
11TH CROSS, MALLESWARAM, BENGALURU 577 503
3. (a) Lease Number : ~~KAR1098~~ ML No 2472
- (b) Lease area : 20.23 Ha
- (c) Period of lease : 50 Years, up to 17/01/2033
- (d) Date of Expiry : ~~17/01/2023~~ 17/01/2033
4. Mineral worked : LIMESTONE Main  
DOLOMITE Associated

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## 5. Name and Address of the

Lessee : LAKSHMI CEMENT&CERAMICS INDUSTRIES LTD  
 #5,SERPENTINE ROAD, 8 TH  
 BLOCK, KUMARAPARK(WEST),  
 BANGALORE KARNATAKA  
 Phone:080-3312666,3441504,08199-82234  
 FAX :

Owner : Pavankumar Medishetty  
 MJ Nagar #2278/1 28th cross  
 Hosapete vijaynagara-563201  
 BELLARY KARNATAKA  
 Phone:  
 FAX :

## Mining Engineer

Name : ISHAIK K,Full Time  
 Qualification : B-Tech (Min)  
 Appointment/ : 16/11/2021  
 Termination date

## Geologist

Name : MOHAN KUMAR S,Full Time  
 Qualification : MSc Geology  
 Appointment/ :  
 Termination date

## Manager

Name : B K MURALIBABU  
 Qualification :  
 Appointment/ :  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	15/12/1998
		Renewal under rule 22 MCR1960	05/12/2003
		Modif.of approved Mining Plan	08/09/2006
		Mining Scheme rule 12 MCDR1988	15/01/2009
		MP modif under 17(3) MCR 2016	12/04/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	15 Core Borehole up to 750m.	NIL	No exploration carried out against the proposal for the year 2018-19 & 2019-20. Violation pointed out.
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	--	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	G3- 12.83Ha	
1e	Balance reserve as on 01/04/20		4775011 Tones as on 01.04.2023	CaO 35.48% to 52.05%
1f	General remarks of inspecting officers on geology, exploration etc			There is no exploration carried out against the proposal of 15 Core Borehole up to 750m for the year 2018-19 & 2019-20. Violation pointed out.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between section line 5-5' to 6-6'	Between section line 5-5' to 6-6'	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed.	Carried out as per proposal.	
2c	Stripping ratio or ore to OB ratio	1:0.03	1:0.28	Ore: 49495 Tones OB: 13800 Tones, Violation pointed out.

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2d	Quantity of topsoil generation in m3	No proposal.	NIL	-
2e	Quantity of overburden generation in m3	80000m3	6900 m3	Violation pointed out.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Only 9% of proposed production and development carried out during the year 2022-23. Hence, violation pointed out.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit proposed.	One pit.	-
3b	Quantity of ROM mineral production proposed	600000 Tons	49495 Tons	Violation pointed out.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal.	Nil.	No mineral reject generation.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil.	THV CaO 34%
3f	Quantity of sub grade mineral generation.	No proposal.	NIL	
3g	Grade of sub grade mineral generation	No proposal.	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for sizing of ROM.	Carried out as per proposal.	

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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 & Blasting proposed in mineral benches.	Carried out as proposed.	
3k	Provision of mining machineries in mineral benches	Proposal of i)Excavator -3 Nos. ii)Loader- 2 Nos. iii) Dumper- 10 Nos. iv) Wagon Drill- 1 No, v)Rock Breaker-1 No, vi)Water tanker-5 KL-1 No, vii)Crusher- 1No.	i)Excavator -2 Nos. ii)Loader- 1 Nos. iii) Dumper- 4 Nos. iv) Crusher- 1No.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposal for Bench height up to 6m.	Bench height maintained up to 6m.	
3m	Total area covered under excavation/pits	6.09 Ha.	3.09Ha.	During the plan period mine was reopened on 17/11/2021.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.26 (in tons)	1:0.27 (in tons)	Ore: 49495 Tons OB: 13800Tons
3o	Total area put in use under different heads at the end of year	i)Area under Mining- 6.09 Ha, ii)Waste dump-2.50 Ha, iii) Roads - 0.50 Ha, iv)Others- 11.14Ha	i)Area under Mining-3.09 Ha, ii)Waste dump- 1.69 Ha, iii)Infrastructure- 1.3 Ha.	During the plan period mine was reopened on 17/11/2021.

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3p	Production of ROM mineral during the last five year period as applicable	2018-19: 600000 2019-20: 600000 2020-21: 600000 2021-22: 600000 2022-23: 600000 ( in tonnes)	2018-19: Nil. 2019-20:Nil. 2020-21:Nil. 2021-22:Nil. 2022-23: 49495 (in Tones)
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3q	General remarks of inspecting officers on method of mining etc.	Only 9% of proposed production and development carried out during the year 2022-23. Hence, violation pointed out.
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## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB proposed.	Carried out as per proposal.	No mineral Reject generation.
4b	Location of topsoil, OB and mineral reject dumps	OB proposed: N1526700 to 1526900, E660552 to 660850	OB dumping carried at the proposed location as per the proposal.	-
4c	Number of dumps within lease area and outside of lease area	WML-1 OML-0	WML-5 OML-0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	4 Dumps are within UPL & 1 Dump outside the UPL.	4 Dumps are within UPL & 1 Dump outside the UPL.	
4e	Number of active and alive dumps.	1 Active dump.	1 Active dump.	
4f	Number of dead dumps.	4 Inactive dumps.	4 Inactive dumps.	One inactive dump outside the UPL.
4g	Number of dumps established.	No proposal.	1 Inactive dump.	1 Inactive dump stabilized by plantation.

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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			The OB dumping has been carried out at the earmarked location as per proposal.

#### 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.	Mineral has not been exhausted.
5b	Area under backfilling of mined out area	No proposal.	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	NIL	No topsoil generated during the year 2022-23.
5d	Total area fully reclaimed and rehabilitated	No proposal.	NIL	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There is no backfilling proposal during the plan period.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted before 1st of July every year.	Not submitted.	Violation pointed out.
6b	Area available for rehabilitation (ha) .	No proposal.	NIL	
6c	afforestation done (ha).	0.20 Ha	0.20 Ha	
6d	No. of saplings planted during the year	Saplings to be planted 200 No's	250 No's. of saplings planted.	As per AR for the FY 2022-23.
6e	Cumulative no .of plants	WML 1000 Nos	WML 650 No's	WML total 650 No's of plantation carried out during the plan period.
6f	Any other method of rehabilitation	No proposal.	NIL	
6g	Cost incurred on watch and care during the year	Rs 10000/-	Rs 60000/-	Information furnished by mine management during the inspection.
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	



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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.	250 No's	Total 250 No's of saplings planted within the safety zone as per proposal.
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)	Seasons wise environmental monitoring of air, water, soil & noise proposed for both core & buffer zone.	Season wise environmental monitoring of air, water, soil & noise was carried out by M/s Care Lab, Hyderabad.	All environment monitoring parameters are within the permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Total 250 No's of saplings planted within the safety zone as per proposal.

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**Mineral Conservation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral only crushing & sizing proposed.	Blasted material is being sent to the crusher for further sizing.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method proposed for size-wise sorting of mineral.	Carried out as per proposal.
7c	Different grade of mineral sorted out at mines.	No proposal.	NIL
7d	Any beneficiation process at mines .	No proposal.	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Entire ROM produced is being used for dispatched with proper blending as per buyer requirement.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil.	No topsoil generation.
8b	Concurrent use or storage of topsoil	No proposal.	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump proposed for overburden.	Dumping carried out as per proposal in the earmarked location	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	NIL	

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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)	WML 1000 Nos	WML 650 No's	WML total 650 No's of plantation carried out during the plan period.
8g	Survival rate	80%	85%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed for dust suppression.	Water sprinkling on haul roads carried out for dust suppression.	Capacity of water tanker 10000 Ltr.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around the mine is good.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to November 2023. AR Submitted up to 2022-23.		MR Submitted on 06/12/2023. AR Submitted on 30/06/2023.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Ishaiah K & Geologist - Mohankumar .S	Appear to be correct.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i)Area under Mining-3.09 Ha, ii)Waste dump- 1.69 Ha, iii)Infrastruc ture- 1.3 Ha.	Appear to be correct.	-

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9d	Scrutiny of Annual return on afforestation	WML 250 No's & survival rate 85%	Appear to be correct.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Appear to be correct.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: O/s- 2235 tons Production 49495 Tons C/s- 20930 tons. Graded Ore (Cement Grade): O/s- 6618.31 tons Production 30600 Tons C/s- 16610.51 tons.	The ROM closing stock has not been reported correctly.	Violation pointed out under rule 45(7) of MCDR 2017.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price- Rs 346.58/- per tons, Cost of production- Rs 292/- per tons	The depreciation value is not accounted for arriving at the cost of production.	Violation pointed out under rule 45(7) of MCDR 2017.
9h	Scrutiny of Annual return on fixed assets	Fixed assets value of Rs 27000000/-	Appear to be correct.	-
9k	Scrutiny of Annual return on mining machineries	i)Excavator -2 Nos. ii)Loader- 1 Nos. iii) Dumper- 4 Nos. iv) Crusher- 1No.	Appear to be correct.	-

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**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
MCDR17	Rule 11(1)	31/01/2024	13/03/2024	Rule 45(7)(i)	31/01/2024	13/03/2024
MCDR17	Rule 26(2)	31/01/2024	13/03/2024			
	Rule 45(7)(i)	31/01/2024	13/03/2024			

**Date :****(GANGADHAR BHAKAT)**

Indian Bureau of Mines