

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

**Mining Plan Modification REPORT**

**Bangalore regional office**

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

**Mine code :** 38KAR07009

- (i) Name of the Inspecting : **278** ) **KRISHNENDU CHATTERJEE**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri Srinivasaiah- Add. Director, B.N. Krishna Murthy  
Official with  
Designation
- (iv) Date of Inspection : 15/03/2018
- (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** : **LAKSHMI CEMENT&CERAMICS INDUSTRIES LTD**  
**correspondance** **FLAT NO. 302, R.V. APARTMENTS, PIPELINE ROAD**  
**11TH CROSS, MALLESWARAM, BENGALURU 577 503**
3. (a) **Lease Number** : **KAR1098**
- (b) **Lease area** : **20.23**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **17/01/2023**
4. **Mineral worked** : **LIMESTONE** **Main**  
**DOLOMITE** **Associated**

## 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 : LAKSHMI CEMENT&CERAMICS INDUSTRIES LTD  
 #5,SERPENTINE ROAD, 8 TH  
 BLOCK, KUMARAPARK(WEST),  
 BANGALORE KARNATAKA  
 Phone: 080-3312666,344  
 FAX :

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	15/12/1998
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	05/12/2003
		Modif.of approved Mining Plan	08/09/2006
		Mining Scheme rule 12 MCDR1988	15/01/2009

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal (For F.Y. 2016-17)	Nil	5 nos. of core drill holes with total meterage of 156m drilled during May-2013.
1b	Exploration over lease area for geological axis 1 or 2	G1 and G2	G1 and G3	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1 and G2	G1 and G3	
1e	Balance reserve as on 01/04/20	No proposal	Total reserve 4824,506 tonnes (+35% CaO) as on 01.04.2018	As per the approved RMP dated 12.04.2018.
1f	General remarks of inspecting officers on geology, exploration etc			Ore zone is having length of about 550m and width varies from 80to 100m.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern side of the ML	Nil	ML is non working since 2011-12 due to uneconomic operation and management dispute.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed seperately fo OB waste and mineral.	ML is non working.	
2c	Stripping ratio or ore to OB ratio	1: 0.38 (For F.Y. 2016-17)	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	

2e	Quantity of overburden generation in m3	52, 496m3 (78,744tonnes) during F.Y. 2016-17	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No mining operation since F.Y. 2011-12, ML is non working.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit proposed	Nil	Dimensions of existing pits are 370m (L) x 80m (W) x 40m (D) and 25m (L) x 15m (W) x 10m (D)
3b	Quantity of ROM mineral production proposed	209,644 tonnes (For F.Y. 2016-17)	Nil	
3c	Recovery of sailable/usable mineral from ROM production	95%	Nil	5% sub-grade generation proposed.
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	10,500 tonnes	Nil	
3g	Grade of sub grade mineral generation	30 to 35% CaO	Nil	proposed for blending with the high grade limestone.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Nil	

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	Proposed compressor with wagon drill.	Nil	
3k	Provision of mining machineries in mineral benches	Hydraulic excavator with tippers proposed	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m of bench height proposed	Nil	Existing height of the benches are 5 to 7m
3m	Total area covered under excavation/pits	3.55 Ha.	3.09 Ha. area covered by existing pits.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.38 (For F.Y 2016-17)	Nil	
3o	Total area put in use under different heads at the end of year	12.05 Ha. upto F.Y. 2017-18.	6.08 Ha. area so far.	
3p	Production of ROM mineral during the last five year period as applicable	2013-14: 209,869 tonnes 2014-15: 209,925 tonnes 2015-16: 209,475 tonnes 2016-17: 209,644 tonnes 2017-18: 209,138 tonnes	2013-14: Nil 2014-15: Nil 2015-16: Nil 2016-17: Nil 2017-18: Nil (Upto Nov. 2017)	
3q	General remarks of inspecting officers on method of mining etc.			ML is non working since F.Y. 2011-12.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping for OB waste is proposed	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Proposed at southern side of the ML	Nil	06 nos. of small old dumps located within ML with total extent of 1.7 Ha.
4c	Number of dumps within lease area and outside of lease area	1 active dump within ML and 6 old inactive dumps within ML	6 old inactive dumps within ML	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Active dumps proposed outside UPL	Nil, active dumping not commenced.	Old inactive dumps lies within UPL.
4e	Number of active and alive dumps.	1 active and 6 inactive dumps	6 inactive dumps within ML.	
4f	Number of dead dumps.	06 nos.	06 nos.	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed for active dump only.	Active dumping not commenced.	
4i	Length of Retaining wall or garland drain all along dumps	475m of retaining wall and 480m of garland drain.	Nil	
4j	Number of settling ponds	01 no.	Nil	4 nos. of gully check dams constructed outside the ML along eastern boundary.
4k	Specific comments of inspecting officer on waste dump management			Inactive old dumps are partially stabilized by plantation and natural vegetation growth.

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	Nil	Mineral is persisting bottom of the existing pit, backfilling is not applicable.
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.			Mined out pit is not matured for back-filling.

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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).	No proposal	Not submitted for F.Y. 2016-17 as ML is non woking.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.38 Ha.along safety zone during F.Y. 2016-17	Nil	
6d	No. of saplings planted during the year	950 nos.	Nil	
6e	Cumulative no .of plants	Not specified.	Total 1000 nos. of saplings in 0.3 Ha. area within ML.	
6f	Any other method of rehabilitation	No proposal	Nil	

6g	Cost incurred on watch and care during the year	Not specified.	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x 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	No waste land within ML area.
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)	Season-wise environmental monitoring	Not carrying out as ML is non working.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mined out pit is not matured for back-filling . About cumulative of 1000 nos of saplings were planted 0.30 Ha area of the mine.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM proposed for crushing and screening before dispatch.	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized crushing.	Nil	
7c	Different grade of mineral sorted out at mines.	Proposed for +35% CaO	Nil	
7d	Any beneficiation process at mines .	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Lessee proposed to sell entire ROM directly to cement plants.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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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)	Seperate dump proposed for OB waste	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposals	Not applicable as ore not exhausted.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	Mined out pit is not matured for back-filling and for water reservoir
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Entire ML area is non-forest. There is proposal of planation of 950 nos of saplings in 0.38 Ha area within ML during year 2016-17.	About 1000 nos of saplings were planted so far in 0.3 Ha. area.	
8g	Survival rate	Not specified.	30%	Low survival rate due to non-maintenance and poor soil quality.
8h	Water sprinkling on roads to control airborne dust	Proposed with water tanker and sprinkler.	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around mine is good, natutal vegetation growth was seen along inactive dumps.

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## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted upto Dec.2015 Annual Return submitted upto 2013-14.	Monthly Return submitted upto Dec.2015 Annual Return submitted upto 2013-14.	Letter to DMG, Karnataka issued by this office on 05/07/2017 to initiate action under provision of rule 45(7) of MCDR,2017. Violation letter issued to the lessee datd 24/04/2017 for non-submission of monthly returns.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	No mining engineer and geologist was appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Pit/Mining: 3.09 Ha; Dumps: 1.69 Ha Road: 0.8 Ha.	
9d	Scrutiny of Annual return on afforestation	Nil	1000 nos. so far	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	No ROM stock within ML was seen during inspection.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	ML was non working.	AR 2016-17 not submitted.
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Nil	No mining machineries found witnin ML.	

**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 :

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines