

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

Review and updation of Mining Plan REPORT

Bangalore regional office

Mine file No : KNT/CTD/LST/21/BNG

Mine code : 38KAR07010

- (i) Name of the Inspecting : **278**) **KRISHNENDU CHATTERJEE**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : S/Shri M. Srinivasaiah-Add. Director, B.N. Krishna Mu
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.1667)**
- (b) **Registration NO.** : **IBM/5988/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **CHITRADURGA**
- Village : **ITTIGEHALLI**
- Taluka : **HOSADURGA**
- Post office :
- Pin Code :
- FAX No. : **NIL**
- E-mail : **vanimine@gmail.com**
- Phone : **080-23345039, 9980121714(M)**
- (f) **Police Station** : **Sri Ram Pura**
- (g) **First opening date** : **01/01/1999**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **LAKSHMI CEMENT&CERAMICS INDUSTRIES LTD**
Flat No. 302, No. 99, RV Apartments.
11th cross, Malleshwaram, BANGALORE-560 003
3. (a) **Lease Number** : **KAR1102**
- (b) **Lease area** : **242.8**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **24/05/2000**
4. **Mineral worked** : **MANGANESE ORE** Associated
LIMESTONE Main

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
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 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	17/12/2003
		Modif.of approved Mining Plan	27/12/2005
		Modif.of approved Mining Plan	28/05/2007
		Mining Scheme rule 12 MCDR1988	16/11/2009

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	No Scheme of Mining was submitted by the lessee for 2013-14 to 2017-18 due to management dispute, ML was non working for more than 10 years.
1b	Exploration over lease area for geological axis 1 or 2	No proposal	G1, G2 & G3.	Exploration by core boreholes was not carried out in the ML area.
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	No proposal	G1, G2 & G3.	
1e	Balance reserve as on 01/04/20	No proposal	608,030 tonnes of Managese ore, and 1573,775 tonnes of Limestone as on 01.04.2018	As per the approved RMP dated 12.04.2018
1f	General remarks of inspecting officers on geology, exploration etc			Reserve and resources of the deposit was estimated based on open pit exposures and influence. 5 nos. of open pits and 4 nos. of trenches in manganese ore and 2 nos. of open pits in limestone were used for resource estimation. No exploratory boreholes drilled in the ML area so far.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No proposal	Nil	No Scheme of Mining was submitted by the lessee for 2013-14 to 2017-18 due to management dispute, ML was non working for more than 10 years.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Nil	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			ML was non working for more than 10 years.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal	Nil	Dimensions of existing Manganese pits were: Pit 1: 250m(L) x 180m (W) x 27m (D); Pit 2: 180m(L) x 145m (W) x 27m (D); Pit 3: 164m(L) x 70m (W) x 5m (D); Pit 4: 50m(L) x 20m (W) x 8m (D) & Pit 5: 40m(L) x 18m (W) x 8m (D). Dimensions of existing Limestone pits were: Pit 6: 100m(L) x 60m (W) x 8m (D) & Pit 7: 30m(L) x 20m (W) x 2m (D).

3b	Quantity of ROM mineral production proposed	No proposal	Nil
3c	Recovery of sailable/usable mineral from ROM production	No proposal	Nil
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.	No proposal	Nil
3g	Grade of sub grade mineral generation	No proposal	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	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	No proposal	Nil

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	Scheme of Mining for 2013-14 to 2017-18 was not submitted by the lessee due to management dispute.

4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	4 nos. of waste dumps were present at southern side of the ML area (adjacent to manganese ore pits), total area covered by the waste dumps 3.0 Ha.
4c	Number of dumps within lease area and outside of lease area	No proposal	4 nos. of waste dumps within ML area.	
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	4 nos. of dead dumps.	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Retaining wall or garland drain all along the dumps were not constructed.	
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			ML is non-working for more than 10 years. Scheme of Mining from F.Y. 2013-14 to 2017-18 were not submitted by the lessee due to management dispute.

Solid Waste Management - Backfilling:

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	Mined out pits were not matured for back-filling as mineral is still persisting at pit bottom.
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.			Backfilling and reclamation was not applicable as mineral is not exhausted in the mined out pits.

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 during 2016-17 as ML was non-working.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	No proposal	Nil	
6d	No. of saplings planted during the year	No proposal	Nil	
6e	Cumulative no .of plants	No proposal	No plantation was undertaken within ML during last scheme period.	
6f	Any other method of rehabilitation	No proposal	Nil	

6g	Cost incurred on watch and care during the year	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No proposal	Nil	No backfilling was done previously.
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 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	Not carrying out as ML was non working.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mined out pits were not matured for back-filling or other reclamation/rehabilitation works.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	
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	No ROM stock within ML.
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Earlier, lessee proposed to sell entire manganese and limestone ROM directly to the market and to cement plants respectively.

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)	No proposal	Nil	Seperate 4 nos. of OB dumps present within ML.
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	Minedout pits were not matured for restoration, reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	vegetation in and around the ML area was scattered.	
8g	Survival rate	No proposal	Not carried out by the lessee.	
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			No change in aesthetic beauty in and around mine , natutal vegetation growth was seen within the ML.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly Returns submitted upto Dec.2015 Annual Returns submitted upto 2013-14.	Monthly Returns submitted upto Dec.2015 Annual Returns 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.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	No mining engineer and geologist was found appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Pit/Mining: 9.07 Ha; Dumps: 3.0Ha Road: 3.0 Ha.	
9d	Scrutiny of Annual return on afforestation	Nil	No plantation was carried out.	
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 within 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