

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/GLB/LST-53/BNG

**Mine code :** 38KAR10020

- (i) Name of the Inspecting : **S19** ) **SANDEEP KUMAR SINGH**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Nagaraja Rao, Geologist & Shri J. Pradeep Kumar,  
Official with  
Designation
- (iv) Date of Inspection : 10/09/2020
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KHARCHIKHED LIMESTONE MIN**
- (b) **Registration NO.** : **IBM/13906/2012**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **GULBARGA**
- Village : **KHARCHIKHED**
- Taluka : **CHINCHOLI**
- Post office : **MIRIYAN**
- Pin Code :
- FAX No. : **040-30006955**
- E-mail : **kalburgicementmines@gmail.com**
- Phone : **040-30006999**
- (f) **Police Station** : **MIRIYAN**
- (g) **First opening date** : **21/06/2016**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **KHARCHIKHED VILLAGE**  
**CHINCHOLI TALUK**  
**KALABURAGI DISTRICT**
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : **LIMESTONE** **Main**

## 5. Name and Address of the

Lessee : M/S KALBURGI CEMENT PRIVATE LIMITED  
CHATRASALA VILLAGE  
CHINCHOLI TALUK GULBARGA,  
KARNATAKA GULBARGA  
KARNATAKA  
Phone:  
FAX :

Owner : M/s Kalburgi Cement Private Limited  
Chatrasala Village,  
Kharchikhed PO, Chincholi  
Taluk, Kalburgi District  
Karnataka GULBARGA  
KARNATAKA  
Phone:  
FAX :

## Manager

Name : K.SUDHAKAR  
Qualification : Dip.in (Mining), FCC.  
Appointment/ :  
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 28/11/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog of previous proposals	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	The entire area has been explored by drilling total 132 core holes at grid intervals of 200X 200 covering entire ML area.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	No expenditure in the year 2019-20 as no Exploration activities carried out.	M/s GEMS Hosapete, carried out exploration in the year 2015-16 & 2016-17, Cost -Rs 1.07 Crores.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	465.39 Hectares ML area explored
1e	Balance reserve as on 01/04/20	366.61 million tonnes as on 1.11.2018	366 million tonnes as per AR 2019-20.	The Mineral reserves & Resources figure are not furnished correctly in AR 2019-20 as per the last approved document. The production figures for the year 2018-19 & 2019-20 to be depleted and Reserve figure to be corrected accordingly. The Resource figure also need to be corrected. Violation issued under Rule 45(7)

1f	General remarks of inspecting officers on geology, exploration etc			The Mineral reserves & Resources figure are not furnished correctly in AR 2019-20 as per the last approved document. The production figures for the year 2018-19 & 2019-20 to be depleted and Reserve figure to be corrected accordingly. The Resource figure also need to be corrected. Violation issued under Rule 45(7)
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Location of the proposed development(E-1067-1105, N-852-937)	Actual work (E-1109-1112, N-844-914)	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches proposed in OB and Mineral	Seperate benches maintained in OB and Mineral	BC Soil-01 & Mineral-01
2c	Stripping ratio or ore to OB ratio	1:0.15	1:0.28	Nil
2d	Quantity of topsoil generation in m3	968 m3	917 m3	Nil
2e	Quantity of overburden generation in m3	5488 m3	5218 m3	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Pit development is as per the proposal.

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Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit proposed for Production	Actual work was carried out in One pit.	OB- 1 Bench, Limestone-1 bench.
3b	Quantity of ROM mineral production proposed	105040 tonnes	54651 tonnes	Vioaltion has been issued for less production
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	No proposal	Nil	No generation of mineral reject.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	Nil
3f	Quantity of sub grade mineral generation.	No proposal	Nil	No subgrade mineral generated.
3g	Grade of sub grade mineral generation	No proposal	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	All the blasted material is fed to the crusher located at adjoining Chatrasala ML area. and is further feed to the plant after sizing.	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	No beneficiation study carried out.	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting proposed	Deep hole drilling and blasting carried out as per proposal.	Drilling by 115 mm and blasting by 83 mm slurry in conjunction with detonators.
3k	Provision of mining machineries in mineral benches	Excavtor(2.2 cum)-1 nos. Tipper(12.5 cum)-4 nos. Drill-115 mm dia- 1 no.	Excavator(0.9 cum)-1 nos. Tipper(12.5 cum)-4 nos. Drill-115 mm dia- 1 no.	Nil

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Ht of bench(OB)- 2m Ht of bench Limestone-6-8 m Bench width- 15 metres	Bench height and appropriate width maintained as per the proposal	Ht of bench in Mineral 6-8 metres and Height of bench in OB- 2 metres.
3m	Total area covered under excavation/pits	3.89 ha at the end of plan period	1.59 ha as per the AR submitted for the year 2019-20.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.15	1:0.28	Nil
3o	Total area put in use under different heads at the end of year	Land use at the end of plan period Pit-3.89 Ha, Top soil storage-0.55 ha OB-1.32 ha Roads- 2 ha. PMCP- 0.55 ha Green belt- 1.25 ha	Pit -1.59 ha OB- 0.65 ha Roads-1.48 ha PMCP-0.14 ha (As per AR 2019-20)	-
3p	Production of ROM mineral during the last five year period as applicable	2015-16-100193 tonnes 2016-17-100485 tonnes 2017-18- 100298 tonnes 2018-19-100515 tonnes 2019-20- 105040 tonnes	2015-16- Nil 2016-17- Nil 2017-18- 6764 tonnes 2018-19- 45450 tonnes 2019-20- 54651 tonnes	Violation has been issued for less production for the year 2019-20.
3q	General remarks of inspecting officers on method of mining etc.			The actual ROM production proposed for the year 2019-20 is less than the proposed production . Violation issued for necessary clarifiaction.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping for Topsoil & OB along River safety Zone towards East	OB(BC Soil) is dumped along River safety Zone . Topsoil is dumped seperately.	Nil

4b	Location of topsoil, OB and mineral reject dumps	OB- E 2043 N 812, E 2085 N 816 E 2081 N 862, E 2040 N 838 Topsoil- E 2032 to E 1971  N 840 to N 941	Topsoil and OB dump maintained as per the proposal. No mineral reject dump	Nil
4c	Number of dumps within lease area and outside of lease area	1 dump within ML	1 dump within ML	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL	The safety bunds are made within UPL	Entire area is mineralized.
4e	Number of active and alive dumps.	01 dump	01 dump is active and alive.	Nil
4f	Number of dead dumps.	Nil	No dead dumps.	Nil
4g	Number of dumps established.	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	212 m Retaining wall proposed along the OB dump, Garland drain /settling tank has been proposed for an area of 0.08 ha	Retaining wall & garland drain has not been constructed as per proposal	Violation issued.
4i	Length of Retaining wall or garland drain all along dumps	212 m Retaining wall proposed along the OB dump, Garland drain /settling tank has been proposed for an area of 0.08 ha	Retaining wall & garland drain not constructed along the dump as per the proposal	Violation issued
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			Construction of Retaining wall and garland drain have not been carried out as per the proposal. Violation issued for clarification.

## 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	There is no proposal for backfilling.
5b	Area under backfilling of mined out area	No Proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	—
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No specific comments.

## 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 before Ist July every year	Submitted for the year 2019-20 on 30 .06.2020	Nil
6b	Area available for rehabilitation (ha) .	0.25 ha	0.30 ha	Nil
6c	afforestation done (ha).	0.25 ha	0.30 ha	Nil
6d	No. of saplings planted during the year	250 nos. of saplings within ML	250 nos. of saplings within ML	—
6e	Cumulative no .of plants	250 nos.	250 nos.	Nil
6f	Any other method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs 20,000	Rs 50,000	Includes purchasing of saplings and watering.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	Seasonal environmental monitoring proposed in Core & buffer zone for air, water, noise & soil.	Seasonal environmental monitoring carried out in Core & buffer zone for air, water, noise & soil.	All the parameters are within the limit.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP activities were carried out as per the approved document.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral will be loaded and transported to Crusher.	ROM is loaded and transported to crusher existing in the adjacent ML in tippers for further sizing.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	All the blasted material is fed to the crusher for sizing.	No sorting of mineral.
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	Nil
7d	Any beneficiation process at mines	No proposal	Nil	No beneficiation proposal at the mine.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			All the blasted material is sent to crusher for size reduction and is further used in plant for captive purpose.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Seperate removal and utilization of topsoil proposed .968 cum of topsoil generation proposed for the year 2019-20	917 cum of topsoil generated for the year 2019-20 and stacked seperately and used for plantation	Nil
8b	Concurrent use or storage of topsoil	Proposed	Topsoil utilized for plantation	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dump for OB proposed. OB is proposed to be dumped along the River safety zone towards east of ML.	Seperate dump for OB maintained as per the proposal	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not mentioned	0.30 ha with 250 nos of plantation witin ML area.	Nil
8g	Survival rate	85 %	85 %	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads proposed to control airborne dust.	Water sprinkler is used to control the airborne dust on haul roads inside the mine.	8 KL water tanker is in use.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The aesthetic beauty in and around the mine is maintained .
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R submitted up to Aug-2020, A.R submitted on 30.06.2020	AR 2019-20 submitted on 30.06.2020	—
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager-J Pradeep Kumar, Mining Engineer- N Prasanth Geologist-K Nagaraja.	The Mining engineer is having Less than 5 years of Experience. Violation already issued by the previous inspecting officer. The lessee has complied and appointed Mr. Ruban Allamano as Mining engineer vide Form-H submitted dated 10.07.2020.	—
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining-1.59 ha Infrastructure - 1.48 ha Other purpose(OB Safety bund)- 0.65 ha PMCP- 0.140 ha	Appears to be correct	—
9d	Scrutiny of Annual return on afforestation	Within Mining Lease- 250@ 85 % survival rate Outside Mining Lease- 17550@ 85 % survival rate	Appears to be correct	—
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation	Nil	—

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening stock- 0 tonnes ROM production- 54651 tonnes ROM Despatches- 54651 tonnes ROM Closing stock- 0 tonnes	Appears to be correct	—
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production- Rs 185.10 /tonne Ex Mine Price- Rs. 185.10/ tonne	Appears to be correct	Captive mines
9h	Scrutiny of Annual return on fixed assets	Provided, Rs 58,29,53,000/- including plant and machinery, land and residential building.	Appears to be correct	—
9k	Scrutiny of Annual return on mining machineries	Excavator- 0.9 cun-1 no. Tipper- 12.5 cum- 5 nos. Drill-115 mm- 1 no.	Appears 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)	30/09/2020	11/11/2020				
	Rule 45(7)	30/09/2020	11/11/2020				

**Date :**

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines