

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR INSPECTION REPORT**  
**BANGALORE REGIONAL OFFICE**

File No- MCDR-MiFLOLST/8/2023-BNG-IBM\_RO\_BNG

Mine Code- 38KAR10020

**General**

S N	Particulars	Details
1	Name of the Mine	Kalaburgi Cement Kherchikhed Limestone Mine (ML No-2676)
2	Date of Inspection	10.02.2025 (Virtual)
3	Name of Inspecting Officer	Shri Ashok Kumar Pany, AME
4	Name of official accompanying inspection	Not Applicable
5	Last date of Inspection & Officer	06.10.2023 Shri H M Shivakumar, ACOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest Land- Nil Non Forest Land- 465.39 ha Total Lease area- 465.39 ha
7	Mine code	38KAR10020
8	IBM Registration Number under rule 45 of MCDR, 2017	IBM/13906/2012
9	Name of the lessee, Address, phone, email and fax number	M/s Kalburgi Cement Pvt. Ltd. #8-2-626, Reliance Majestic, Road No-10, Banjara Hills, Hyderbada-500 034 Email-anoop.kumarsaxena@vicat.com Ph-90101932222
10	Village	Kherchikhed
11	Taluka/Mandal	Chincholi
12	District	Kalaburagi
13	Pin code	585320
14	State	Karnataka
15	Post office	Kherchikhed
16	Nearest police station	Chincholi
17	Nearest Railway station	Chincholi
18	Date of Grant of Mining Lease	09.02.2012
19	Date of Execution	05.12.2014
20	Date of Expiry	04.12.2034
21	Date of opening of Mine	21.06.2016
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri Anoop Kumar Saxena, Nominated Owner, Kalburgi Cement Private Limited , Chatrasala Village, Kherchked, P.O Chincholi Taluk, Gulbarga District Gulbarga Karnataka-585320 Ph-040-30006955

		Date of appointment- 30.11.2015
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Shyam Vaishnav, Kalburgi Cement Private Limited , Chatrasala Village, Kherchked, P.O Chincholi Taluk, Gulbarga District Gulbarga Karnataka-585320
24	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri J Pradeep Kumar, Kalburgi Cement Private Limited , Chatrasala Village, Kherchked, P.O Chincholi Taluk, Gulbarga District Gulbarga Karnataka-585320 Mob- 9663786273
25	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri J Pradeep Kumar, Kalburgi Cement Private Limited , Chatrasala Village, Kherchked, P.O Chincholi Taluk, Gulbarga District Gulbarga Karnataka-585320 Mob- 9663786273
26	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Bellamkonda Divesh, Kalburgi Cement Private Limited , Chatrasala Village, Kherchked, P.O Chincholi Taluk, Gulbarga District Gulbarga Karnataka-585320 Mob-8686413363 Date of Appointment-11.11.2024
27	Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter No. 279/1056/2011/BNG dated 28.11.2018 for the period 2019-20 to 2023-24.  Review of Mining Plan for the next plan period approved vide letter No. MCDR-MPCOLST/7/2023-BNG-IBM_RO_BNG dated 28.11.2018 dated 20.12.2023 for the period 2024-25 to 2025-26.
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanized, Others or Manual)	Category-A, Fully Mechanized
31	Captive/Non Captive	Captive

### **Exploration**

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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1a	Backlog of previous year	Nil	NA	No Backlog from previous year.
1b	Exploration over lease area during the year for Geological axis 1 or 2.	Nil	NA	No exploration proposal during the year.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved RMP:- G1- 462.79 Ha, G2-2.60 Ha		4 Nos. of Bore holes proposed during the year 2024-25.
1e	Balance reserves as on 01.04.2024	Reserve- : 366155458 Tonne Resource : 83820000 Tonne Total : 449975458 Tonne		The Balance reserve/resource figures as per Annual Return submitted for FY 2023-24.
1f	General remarks of inspecting officer on geology, exploration etc.	The limestone ore body is horizontally bedded with low dip of 2 Degree to 3 Degree. The average thickness of the limestone is around 28mts to 32mts. The limestone has encountered upto the 50m depth. The average CaO content is 45.49%. out of total lease area 462.79 ha has been explored under G1 Level and 2.60 ha under G2 Level.		

### **Development**

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N 875 to 925, E 1050 to 1300	N 875 to 925, E 1050 to 1300	Excavation carried out within proposed area as per drone image submitted.
2b	Separate benches in topsoil, overburden and mineral	No proposal for generation of top soil and overburden during the year	Nil	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden/waste generation in m <sup>3</sup>	Nil	Nil	No generation of waste is reported in Annual Return.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The open cast mine is developed in single pit operation with regular benches. The type of deposit is horizontal bedded. The adopted method is suitable to the type of the deposit.		

### **Exploitation**

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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3a	Number of pits proposed for production	One Pit	One Pit	
3b	Quantity of ROM production proposed	198940 tonne	127888 tonne	Violation pointed out to lessee for less production.
3c	Recovery of salable/usable mineral from ROM production	198940 tonne (100% of ROM)	127888 tonne (100% of ROM)	
3d	Quantity of mineral reject generation	No proposal of generation of Mineral rejects.	Nil	
3e	Grade of mineral reject generation and threshold value declared	Threshold value- 34% Cao (min) and 5% MgO (Max) Cutoff grade- Same as threshold value	As per proposal	
3f	Quantity of sub-grade mineral generation	No proposal of generation of sub-grade.	Nil	
3g	Grade of sub-grade mineral generation	No proposal of generation of sub-grade.	Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Provision of drilling & blasting proposed in mineral benches	Carried out	Deployment of Drilling machine and consumption of explosive reported in the Annual Return.
3k	Provision of mining machineries in mineral benches	Shovel-2.2 Cum Drill- 115 mm dia Dumper – 17 tonne	Shovel- 1.8 Cum Loader- 2.5 Cum Dumper – 25 tonne	Actual as per information reported in Annual Return
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height-8 m, Width- 50 m	Within proposed dimension	As per drone image submitted the bench height is within 8m.

3m	Total area covered under excavation/pits	3.89 ha at the end of 2023-24	3.5 ha	Within proposed area under mining.
3n	Ore to OB ratio for the pit/mine during the year	Nil Ore- 198940 tonne Waste- Nil	Nil Ore- 127888 tonne Waste- Nil	
3o	Total area put in use under different heads at the end of year	Mining – 3.89 Ha. Dumps – 1.32 Ha. Topsoil storage-0.55 ha Road – 2.00 Ha PMCP/Green Belt-1.80 ha Total- 9.56 Ha	Mining – 3.50 Ha. Dumps – 1.28 Ha. Topsoil storage -0.50 ha Road – 1.50 Ha PMCP/Green Belt-1.08 ha Total- 7.86 Ha	Within proposed land use limit
3p	Production of ROM mineral during last five-year period, as applicable	2019-20-112787 Tonne 2020-21- 110839 Tonne 2021-22 -112305 Tonne 2022-23-221862 Tonne 2023-24- 198940 Tonne	2019-20-54651 Tonne 2020-21- 33945 Tonne 2021-22 - 36901 Tonne 2022-23- 169441 Tonne 2023-24-127888 Tonne	
3q	General remarks of inspecting officer on method of mining etc.	Mechanized opencast mining operation is carried out with shovel – dumper combination. Violation pointed out to lessee under Rule 11(1) of MCDR, 2017 for less production.		

### **Solid Waste Management-Dumping**

S.N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal generation of topsoil, OB & mineral reject during the year	Nil	
4b	Location of topsoil, OB & mineral reject dumps	Not applicable	Nil	
4c	Number of dumps within lease area and outside lease area	01 Nos. – within lease area No dumps outside lease area		
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL		
4e	Number of active & alive dumps	01 nos. of active dump	01 nos. of active dump	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	01	01	
4h	Whether Retaining wall or garland drain all along dumps are there	No	Proposed	
4i	Length of Retaining wall or garland drain all along dump	Retaining wall- 212 m, Garland Drain- Nil	Garland Drain- 212 m has been constructed	As reported in PMCP return & observed in Drone image
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	There is no proposal of generation of waste during the year. The construction of waste dump protective measures has been carried out.		

### **Solid Waste Management-Backfilling**

S.N.	Item	Proposals(2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	Mineral not exhausted from pit
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	No generation of top soil
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	The mineral has not been exhausted from quarry and no proposal of back filling during the year.		

### **Progressive Mine Closure Plan**

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26.	To be submitted before 1 <sup>st</sup> July	Submitted on 28.06.2024	
6b	Area available for rehabilitation (ha)	No proposal	Nil	
6c	Afforestation done (ha)	0.25 ha	0.25 ha	
6d	No. of saplings planted during the year	250 nos.	250 nos.	
6e	Cumulative no. of plants	Total 1250 nos. of tree planted.		-
6f	Any other specific method of rehabilitation	No proposal	Nil	-
6g	Cost incurred on watch & care during the year	Rs. 20000.00	Not available	
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) Void filled by waste/tailings.	No proposal	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the 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 rehabilitated (ha) Method of rehabilitation	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 & buffer zone)	Monitoring of Noise, Air and Ground water quality proposed	Monitoring carried out quarterly.	Within permissible limit.
6q	General remark of inspecting officer on PMCP compliance and progressive closure operation etc.	The afforestation is carried out as per proposal during the year.		

### **Mineral Conservation**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposal, direct dispatch	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines	Cement Grade	Cement Grade	
7d	Any beneficiation process at mines	No proposal	No Beneficiation plant exists within lease.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation plant installed in the mine and the mineral produce direct dispatch to the captive plant.		

### **Environment**

S.N.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of generation of Topsoil	Not generated	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of generation of Waste	Not generated	
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 & additional plantation done (Rule 41)	1250 Nos. of cumulative plantation up to 31.03.2024		
8g	Survival rate	80%	86%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to suppress the dust	Carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The aesthetic beauty in & around the mine area is maintained.		

### **Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Return submitted within due time.		
S.N.	Item	Details Given in AR.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Mining Engineer, Geologist and Manager Furnished in the Annual Return.	The same were appointed.	The information on exploration status, reserve/resource and production proposal is not furnished correctly and the same is pointed out to lessee through show cause notice.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining – 3.50 Ha. Dumps – 1.28 Ha. Topsoil storage/Plantation - 1.22 ha Road – 1.50 Ha PMCP -0.36 ha	Within proposed land use.	
9d	Scrutiny of Annual return on afforestation	250 Nos. within lease area	Plantation Observed in drone image	



9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock- Nil Grade wise stock- Nil	Appears to be correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production Rs. 253.63	Appears to be correct.
9i	Scrutiny of Annual return on fixed assets	Rs. 629020704.00	Appears to be correct.
9k	Scrutiny of Annual return on mining machineries	Shovel- 1.8 Cum (1 nos.) Dumper- 25 Tonne (6 nos.) Water Tanker- 8 KL (1 nos.) Drill- 115 mm dia (1 nos.)	As per proposal of Mining Plan

Details of violations observed during current inspection and compliance position of violation pointed out

Violation			Show cause		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on
11(1) of MCDR, 2017	19.02.2025	--	45(7) of MCDR, 2017	19.02.2025	--

(ASHOK KUMAR PANY)

Assistant Mining Engineer