

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
RMP inspection report
Goa Regional Office

- (i) Name of the Inspecting Officer and ID No. : (K07) KRISHNENDU CHATTERJEE
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine Official with Designation : S/shri Vikram Singh- Mining Head of M/s J.K. Cement, Pavan Deshmukh and Rajib Banerjee-other representatives of M/s J.K. Cement.
- (iv) Date of Inspection : 13.08.2024
- (v) Prev. inspection date : 12.03.2014

PART-I: GENERAL INFORMATION

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- 1 (a) **Mine Name** : Halki Limestone & Dolomite Mine
- (b) IBM Registration Number under rule 45 of MCDR, 1988 : IBM/418/2011
- (c) Mine code : 38KAR26072
- (d) Type of Working (Opencast, Underground) : Opencast
- (e) Category (Fully Mechanized, Others or Manual) : Cat. B, Manual
- (f) Captive/ Non captive : Non-captive
- (g) Postal Address
- Village : Halki
 Taluk/Mandal : Mudhol
 District : Bagalkot
 Pin code : 587122
 State : Karnataka
 Post office : Mudhol
 Nearest police station : Mudhol
 Nearest Railway station : Bagalkot
- 2 Address for correspondence : M/s J.K. Cement Ltd.
 Halki Limestone and Dolomite
 Mine, ML No. 2577
 JK Cement Works, Muddapur

- Post-Muddapur, Taluk- Mudhol
District-Bagalkot, Karnataka 587
122
- 3 (a) Total Lease Area (Ha) with breakup of Non-forest and forest land : 3.24 Ha. (Non-Forest)
- (b) Date of Grant of Mining Lease : 25.04.2007
- (c) Date of Execution : 03.03.2008
- (d) Date of opening of Mine : 05.02.2009
- (e) Date of expiry : 02.03.2058; as per MMDR Amendment Act, 2015
- 4 Mineral(s) granted in lease and proved for mining : Limestone & Dolomite
- 5 (a) Name of the lessee, Address, phone, email and fax number : M/s J.K. Cement Ltd.
JK Cement Works, Muddapur
Post-Muddapur, Taluk- Mudhol
District-Bagalkot, Karnataka
587122
Ph: (off) 8350-289607
Email ID:
factory.muddapur@jkcement.com
- (b) Name of the Nominated Owner with Address, phone, email, fax number and date of appointment : Shri Ajay Kumar Saraogi
M/s J.K. Cement Ltd.
Mail ID: ak.saraogi@jkcement.com
Date of Appointment - 17.06.2022
- (c) Name of the Mine Agent with Address, phone, email, fax number and date of appointment : Mr. Vikram Singh
JK Cement Works, Muddapur
Post-Muddapur, Taluk- Mudhol
District-Bagalkot, Karnataka
587122
Ph: 9606914665
Email: Vikram.Singh4@
jkcement.com
Date of Appointment: 10.06.2024
- (d) Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines : Nil
- (e) Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine : Nil
- (f) Name of the Geologist, Qualification and total experience with Address, : Nil

phone, email, fax number
and date of appointment in
mine

6 Date of Approval of Mining Plan/Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any. : Approval of MP MP/MAN-596(KNT)/GOA/2006-07 Dated 27/11/2006 Period: 2007-08 to 2011-12

PART - II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration:

Sl.No	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	G1 & G2: Nil G3: 3.24 Ha.	ML is remained unexplored.
1c	Exploration Agency & 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	Nil	
1e	Balance reserves as on <u>01.04.2024</u>		Minable reserve of Limestone: 64,122 tonnes. Dolomite minable Reserve: 271,418 tonnes.	As per the approved Mining Plan dated 27/11/2006. Not in accordance with UNFC and MEMC Rules 2015
1f	General remarks of inspecting officer on geology, exploration etc.	The mine is non-working since 01.03.2011; Temporary Discontinuance notice in Form D-1 submitted by the earlier lessee M/s Ananthraj Minerals on 19.01.2012. Subsequently, this ML is transferred to M/s J.K Cement by the previous lessee		

vide Form-0 No. DMG/MLS-transfer/2577/2024-15 on 30.12.2024.

The mine has been suspended by the IBM w.e.f. 26.09.2014 for non-compliances of rule 12(3) and 45(5)(b) of MCDR-1988 provision. As per executed lease deed, the ML period is granted for 20 years w.e.f. 03.03.2008. Mining plan approved by this office on 27.11.2006 for the validity period from 2007-08 to 2011-12. No Scheme of Mining or RMP document was submitted by the lessee thereafter for approval. No borehole exploration is carried out in the ML area. Reserves of Limestone and Dolomite are mentioned as per the approved Mining Plan dated 27/11/2006 which is not in accordance with UNFC and MEMC Rules 2015.

The mine was inspected on 13.08.2024 for submission of draft RMP by the lessee under rule 17(2) of MCR, 2016. ML topography is almost flat, outcrops of Limestone and Dolomite are observed during the inspection. ML has not been explored by boreholes so far; earlier estimated reserve in approved Mining Plan document is not in accordance with the UNFC and MEMC Rules 2015.

Development :

Sl.No	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	No proposal	Nil	
2b	Separate benches in topsoil, overburden and mineral (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	Mining plan approved by this office on		

inspecting officer on development of pit w.r.t. type of deposit etc.	on 27.11.2006 for the validity period from 2007-08 to 2011-12. No Scheme of Mining or RMP document was submitted by the lessee thereafter for approval. The mine is non-working since 01.03.2011; Temporary Discontinuance notice in Form D-1 submitted by the earlier lessee M/s Ananthraj Minerals on 19.01.2012.
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Exploitation:

Sl.No	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	No proposal	Nil	3 old shallow pits located in the ML area; depth varying from 1 to 2m only.
3b	Quantity of ROM mineral production proposed	No proposal	Nil	
3c	Recovery of salable/ usable mineral from ROM production	No proposal	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject 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	No proposal	Nil	

	segregating from ROM		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil
3j	Provision of drilling & blasting in mineral benches	No proposal	Nil
3k	Provision of mining machineries in mineral benches	No proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Nil
3m	Total area covered under excavation/pits	No proposal	0.40 Ha.
3n	Ore to OB ratio for the pit/mine during the year	No proposal	Nil
3o	Total area put in use under different heads at the end of year	No proposal	Nil
3p	Production of ROM mineral during last five-year period, as applicable	No proposal	No production reported in last 05 years.
3q	General remarks of inspecting officer on method of mining etc.	Mining plan approved by this office on 27.11.2006 for the validity period from 2007-08 to 2011-12. No Scheme of Mining or RMP document was submitted by the lessee thereafter for approval. The mine is non-working since 01.03.2011.	

Solid Waste Management-Dumping:

Sl.No	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	Nil	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	No dump is located within the ML.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active & alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilized	No proposal	Nil	
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 dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management.	No waste dump is located within the ML area.		

Solid Waste Management-Backfilling:

Sl.No	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	

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
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine lease is not matured for rehabilitation by backfilling.	

Progressive Mine Closure Plan:

Sl.No	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	No proposal	Nil	
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	Nil	
6f	Any other specific method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch & care during the year	No proposal	Nil	

6h	Compliance reclamation and rehabilitation by backfilling (i) available for backfilling (L x B x D)	on and by Voids for	No proposal	Nil
6i	Compliance reclamation and rehabilitation by backfilling (ii) filled by waste/tailings	on and by Void by	No proposal	Not applicable
6j	Compliance reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	on and by (iii) on the	No proposal	Not applicable
6k	Compliance reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	on and by (iv) by	No proposal	Not applicable
6l	Compliance reclamation and rehabilitation by backfilling (v) other specific means	on and by Any	No proposal	Not applicable
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation		No proposal	Not applicable
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)		No proposal	Not applicable
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation		No proposal	Not applicable
6p	Compliance Environmental monitoring (core zone	of	No proposal	Nil

& buffer zone)

6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Mining plan approved by this office on 27.11.2006 for the validity period from 2007-08 to 2011-12. No Scheme of Mining or RMP document was submitted by the lessee thereafter for approval. The mine is non-working since 01.03.2011. Further, the mine has been suspended by the IBM w.e.f. 26.09.2014 for non-compliances of rule 12(3) and 45(5)(b) of MCDR-1988 provision.
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Mineral Conservation:

Sl.No	Item	Proposals	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	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mining plan approved by this office on 27.11.2006 for the validity period from 2007-08 to 2011-12. No Scheme of Mining or RMP document was submitted by the lessee thereafter for approval.		

Environment:

Sl.No	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not Applicable	
8b	Concurrent use or storage of topsoil	No proposal	Not Applicable	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Not Applicable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not Applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not Applicable
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation of local Spices	Baseline information submitted.
8g	Survival rate	No proposal	Nil
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	Aesthetic beauty in and around the mining area is very good.	

Compliance of Rule 45:

Sl.No	Item	COMMENTS	Remarks	
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Sep. 2024 A.R. Submitted up to 2023-2024	Date of submission of AR was 29.06.2024.	
S.N.	Item	Proposals	Actual work	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished as Nil	Mining Engineer and Geologist are appointed.	The mine is non-working since

01.03.2011

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining:0.50 Ha. Others item heads are furnished as Nil.	Covered by old mine pits.
9d	Scrutiny of Annual return on afforestation	Furnished as Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Furnished as Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished as Nil	No ROM or processed ore stocks are available in the ML area.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Furnished as Nil	No dispatch reported in 2023-24.
9i	Scrutiny of Annual return on fixed assets	Furnished as Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Furnished as Nil	Nil

Details of violations observed during current inspection and compliance position of violation pointed out						
Rule NO.	<u>Violation observed</u>			Rule NO.	<u>Show cause position</u>	
	Issued on	Compliance on	Issued on		Compliance on	
Nil						

(KRISHNENDU CHATTERJEE)
Indian Bureau of Mines