

MCDR INSPECTION REPORT**General**

<b>S N</b>	<b>Particulars</b>	<b>Details</b>
1	File no	CHG/DRG/LST-38CHG05009
2	Name of the Mine	Semariya Limestone Mine
3	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.096 ha. (3.096 Ha. non forest , 0.0 ha. forest area)
4	Mine code	38CHG05009
5	Date of Inspection	14 <sup>TH</sup> OCT.2021
6	Name of Inspecting Officer & Designation	Mr. Arun Kumar Gadatia, Assistant Mining Engineer, Indian Bureau of Mines, Raipur
7	Name of official accompanying inspection	S/Shri B. L. Bhati, Sr GM (Mines), & Praveen Singh (Manager Mines)
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4816/2011
8	Name of the lessee, Address, phone, email and fax number	M/s JK Lakshmi Cement Ltd. Malpuri -Khurd, Khasadih, Post- Ahiwara, Tehsil- Dhamdha  8966902222 <a href="mailto:praveen.singh@durg.ikmail.com">praveen.singh@durg.ikmail.com</a>
9	Village	Semariya
10	Taluka/Mandal	Dhamdha
11	District	Durg
12	Pincode	490036
13	State	Chhattisgarh
14	Post office	Nandani Nagar
15	Nearest police station	Nandni Nagar
16	Nearest Railway station	Durg
17	Date of Grant of Mining Lease	18/09/1981
18	Date of Execution	20/06/2013
19	Date of opening of Mine	01/10/2014
20	Date of first Renewal, if applicable and its period & expiry	18/09/1991 to 17/09/2001 (Lessee- Smt. Chanda devi Lunia) Mining Lease has been transferred to Shri Ashok Kumar Bafna on 07/08/2020
21	Date of second Renewal, if applicable and its period & expiry	applicable and its period & expiry 18/09/2001 to 17/09/2021 (20 Years) Lessee Shri Ashok Kumar Bafna Mining Lease has been transferred from Shri Ashok Kumar Bafna to M/s JK Lakshmi Cement Limited on 20/06/2013 18/09/2021 to 17/09/2031 (10 Years) As per MMDR Amendment Act, 2015 section 8A Validity of the lease period extended up to 50 years. Supplementary lease deed has been made for extended period.
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	17/09/1990 applied for first renewal

23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	<b>Shri Sushil Kumar Wali</b> <b>Address-Nehru House 4 , Bahadur Shah Zafar Marg, New Delhi-110002,</b> <b>Phone- 01123311112,</b> <b>Email- <a href="mailto:skwali@jkmail.com">skwali@jkmail.com</a></b> <b>Date of Appointment :-01/07/2013</b>
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	<b>Shri MUKUL SRIVASTVA</b> <b>Address :- JK Lakshmi Cement Ltd.</b> <b>Vill- Malpuri Khurd, Khasadih,</b> <b>PO- Ahiwara, Dist- Durg.</b> <b>Chhattisgarh-490036.</b> <b>Phone : 8966909285.</b> <b>Email- <a href="mailto:mukul.srivastava@durg.jkmail.com">mukul.srivastava@durg.jkmail.com</a></b> <b>Date of Appointment :-01/10/2020</b>
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	<b>Praveen Singh</b> <b>Address :- JK Lakshmi Cement Ltd.</b> <b>Vill- Malpuri Khurd, Khasadih,</b> <b>PO- Ahiwara, Dist- Durg.</b> <b><a href="mailto:praveen.singh@durg.jkmail.com">praveen.singh@durg.jkmail.com</a></b> <b>Date of Appointment :-01/05/2018</b>
26	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	<b>Shri Praveen Singh</b> <b>Qualification: B. Tech (Mining)</b> <b>Experience: +9 Years</b> <b>JK Lakshmi Cement Ltd.</b> <b>Village: Malpuri Khurd, Khasardi,</b> <b>P.O. Ahiwara, Tehsil: Dhamdha,</b> <b>District: Durg (Chhattisgarh) – 490 036</b> <b>Phone: +91 (0) 7747013818</b> <b>Email: <a href="mailto:pravin.singh@durg.jkmail.com">pravin.singh@durg.jkmail.com</a></b> <b>Date of Appointment: 01/05/2018</b>
27	Name of the Mining Engineer with Address, phone, email, fax number and date of appointment in mines	<b>Shri Praveen Singh</b> <b>Qualification: B. Tech (Mining)</b> <b>Experience: +9 Years</b> <b>JK Lakshmi Cement Ltd.</b> <b>Village: Malpuri Khurd, Khasardi,</b> <b>P.O. Ahiwara, Tehsil: Dhamdha,</b> <b>District: Durg (Chhattisgarh) – 490 036</b> <b>Phone: +91 (0) 7747013818</b> <b>Email: <a href="mailto:pravin.singh@durg.jkmail.com">pravin.singh@durg.jkmail.com</a></b> <b>Date of Appointment: 01/05/2018</b>

28	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri Probal Chatterjee, GM Geology Qualification: M.Phil. (Geology) Experience: +30 Years JK Lakshmi Cement Ltd. Village: Malpuri Khurd, Khasardih, P.O. Ahirwara, Tehsil: Dhamdha, District: Durg (Chhattisgarh) – 490 036 Phone: +91 (0) 9810872055 Email: <a href="mailto:sanjarora@durg.jkmail.com">sanjarora@durg.jkmail.com</a> Date of Appointment: 01/02/2018
29	Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. DRG/LST/MPLN-231/NGP Nagpur dated 20/05/1992 Proposal Period: 1991-92 to 1995-96 Lapse Period: 1996-97 to 2001-02 (5 years)  Mining Plan approved vide letter no. DRG/LST/MPLN-231/NGP Nagpur dated 20/01/2003 Proposal Period: 2002-03 to 2006-07  Modified Mining Plan approved vide letter no. DRG/LST/MPLN-1073/RPR Raipur dated 24/03/2017 Proposal Period: 2017-18 to 2021-22
30	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	24/03/2017
31	Mineral(s) granted in lease and proved for mining	Limestone
32	Method of Mining (Opencast, Underground)	Opencast
33	Category (Fully Mechanised, Others or Manual)	Category A “OTFM”
34	Existing EC Limit and validity	25000 tonne. Valid for 26/08/2021 to 25/08/2026
35	Captive/Non Captive	Captive
36	Status of Financial Assurance as per Rule 27 of MCDR, 2017	Rs. 2,00,000/- vide BG No. 0999817BG0000140 valid up to 31/03/2022 Rs. 8,00,000/- vide BG No. 0999817BG0000219 valid up to 31/03/2022 Rs. 12,91,000/- vide BG No. 0999821BG0000299 valid up to 31/03/2027

Scientific Mining: Compliance of proposals of approved mining plan/Review of mining.

**Exploration**

S.N.	Item	Proposals (2020-21)	Actual work	Remarks
1a	Backlog of previous year	No proposal	Not applicable	The entire lease area has been explored in G1 level.
1b	Exploration over lease area for Geological axis 1 or 2.	NA	NA	Already explored in G1 category in Dec 2017
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	CDA Nagpur & 1.99 Lacs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2021	Under (122): 0.147100 Million Tonnes Under (222): 0.168700 Million Tonnes	428923 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	The mine is temporarily discontinued due to no environment clearance since 01/04/2019. Notice of temporary discontinuance has been submitted. During mine visit it was observed that the most of the lease area not exposed due to water logged area. But some bore holes in lease area already explored in actual position.		

**Development**

S.N.	Item	Proposals (2020-21)	Actual work	Remarks
2a	Location of development w.r.t. lease area	100-110 E/W 40-60 N/S	100-108 E/W 40-60 N/S	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NA	NA	
2c	Stripping ratio or ore to OB ratio	1:0.0	NIL	
2d	Quantity of topsoil generation in m <sup>3</sup>	No proposal	Negligible	NIL
2e	Quantity of overburden/waste generation in m <sup>3</sup>	No overburden will be generated during F.Y. 2020-21	Not applicable. The entire development and production has been proposed in the existing quarry.	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is temporarily discontinued due to no environment clearance since 01/04/2019. Notice of temporary discontinuance has been submitted.		

**Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of Limestone production proposed	2500 Metric Tonne	27.19 Metric Tonne	The mine is temporarily discontinued.
3c	Recovery of salable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	No Mineral Reject will be generated from the mine during plan period. Not	NA	
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document.	NA	
3f	Quantity of sub-grade mineral generation	No Mineral subgrade will be generated from the mine during plan period.	NA	
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document.	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised. Method has been proposed in the approved document for segregation of ROM within lease area. ROM will be directly dispatched from the lease area up to the captive plant.	Mechanised. Being done as per proposal.	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study has been proposed in the approved document during plan period.	NA	
3j	Provision of drilling & blasting in mineral benches	Yes Diameter: 110 mm. Spacing: 1.8 m Burden: 1.5 m Depth: 3.0 m	Yes	

3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of OB/Topsoil: 0.5 m Height of Mineral Bench: 3.0 m Width: 20.0 m Slope: 80 degree	Yes	
3m	Total area covered under excavation/pits	2.38	2.38	
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	
3o	Total area put in use under different heads at the end of year	NA	NA	
3p	Production of ROM mineral during last five-year period, as applicable	Yr- 2016-17: 1,950 Metric Tonnes  Yr- 2017-18: 2500 Metric Tonnes  Yr- 2018-19: 2500 Metric Tonnes  Yr- 2019-20: 2500 Metric Tonnes  Yr- 2020-21: 2500 Metric Tonnes	Yr- 2016-17: 1,943.15 Metric Tonnes  Yr- 2017-18: 1861.66 Metric Tonnes  Yr- 2018-19: 1627.12 Metric Tonnes  Yr- 2019-20: 0.000 Metric Tonnes  Yr- 2020-21: 27.19 Metric Tonnes	As the mine is temporarily discontinued since 01/04/2019 the Lessee has produced 27.19 metric tonne. So violation pointed out.
3q	General remarks of inspecting officer on method of mining etc.	The mine is temporarily discontinued due to no environment clearance since 01/04/2019. Notice of temporary discontinuance has been submitted.		

**Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Proposal has been given in approved document for separate dumping of topsoil, OB & mineral reject.	Being done as per proposal.	
4b	Location of topsoil, OB & mineral reject dumps	OB/Topsoil: Along lease boundary at 7.5 m barrier zone.	OB/Topsoil: Along lease boundary at 7.5 m barrier zone.	
4c	Number of dumps within lease area and outside lease area	No proposal	No dump	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	No proposal	No dump	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management	No major dump observed and the mine in under temporary discontinuance.		

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

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	NA	
5b	Area under backfilling of mined out area	Proposal has not been given the approved document for backfilling	NA	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Proposal has been given in the approved document for concurrent use of topsoil for restoration through plantation.	Being done as per proposal	Previously done
5d	Total area fully reclaimed & rehabilitated	No such proposal has been given in the approved document for reclamation and rehabilitation.	Area not matured for reclamation and rehabilitation	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is not matured for backfilling & reclamation.		

**Progressive Mine Closure Plan**

S.N.	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.	Submitted before due date in the prescribed format.	PMCP report not submitted	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	NA	NA	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L *B * D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Reclamation and rehabilitation by backfilling has not been proposed in the approved document.	Lease area not matured for backfilling. At the conceptual stage of the mine, the working pit will be converted in to water reservoir.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Proposal has not been given in the approved document for F.Y. 2020-21	No record has been maintained by plantation.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal as been given in the approved document for regular monitoring of Ambient Air quality, Water quality and Noise vibration in the core and buffer zone.	Being done as per proposal.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP report not submitted for the year 2020-21		



**Mineral Conservation**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral will directly be dispatched without sorting from lease area up to the crusher unit erected outside lease area.	27.19 Metric Tonne	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	-do-	-do-	
7d	Any beneficiation process at mines	No beneficiation process has been proposed in the approved document during plan period.	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil		

**Environment**

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Utilized in plantation	Utilized in plantation	-
8b	Concurrent use or storage of topsoil	Proposal has been given in the approved document for concurrent use of topsoil.	Being done as proposal.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	<b>1058</b>	-
8g	Survival rate	85	80	-
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	As the mining activity is temporarily discontinuance and pit is water logged, no adverse impact observed.		

**Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Submitted within times. Monthly Returns submitted upto - December 2021 Annual Returns submitted upto – 2020-21		Nil
S.N.	Item		Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri Praveen Singh Geologist: Shri Probal Chatterjee Manager: Shri Praveen Singh	Mining Engineer: Shri Praveen Singh Geologist: Shri Probal Chatterjee Manager: Shri Praveen Singh	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered area under current O/C working – 2.38 Ha, Roads – 0.025 Ha (Cumulative till date)	Covered area under current O/C working – 2.38 Ha, Roads – 0.025 Ha (Cumulative till date)	Mine is under temporary discontinuance.
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	No Mineral reject in the lease area.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1647.680 Ha	1647.680 Ha	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex- Mine price & production cost - nil	Ex- Mine price & production cost - nil	Nil production
9i	Scrutiny of Annual return on fixed assets	Rs 23382988/-		Nil
9k	Scrutiny of Annual return on mining machineries	NA	NA	During inspection the mine is not working, therefore no machineries observed.

**Details of compliance position of earlier violation pointed out:- No outstanding violations.**

**Date of last inspection, Name and Deignation of the inspecting Officer:**

**10-12-2020, Shri Rajesh Kumar Das (Sr Assistant Controller of Mines )**

**During Present inspection violation pointed out under Rule 29 & 26(2) of MCDR, 2017.**

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
29	<p>1. As mine is temporarily discontinued since 01.04.2019, there is 27.19 metric tonne production reported during the financial year 2020-21. In monthly return of November, 2021 there is reported 19.380 metric tonne limestone (cement grade) production and same quantity dispatch for demestic consumption.</p> <p><i>The holder of a mining lease shall send to the authorised officer, as the case may be, and the State Government an intimation in Form C of the Schedule of reopening of a mine after temporary discontinuance, so as to reach them within fifteen days from the date of such reopening.</i></p>
26(2)	<p>2. Yearly report before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved mine closure plan, has not been submitted to competent authorities.</p>

(Name of the inspecting Officer)

**Arun Kumar Gadatia**  
**Asstt. Mining Engineer**  
**Raipur Regional office**