

MCDR Inspection Report 2023-24

1) Name of Inspecting officer:	Prasant Kumar Sahu
2) Designation	Assistant Controller of Mines
3) Accompanying mine official with designation	Shri B. L. Bhati (Sr. GM, HOD Mines) Shri Praveen Singh (Mines Manager)
4) Date of Inspection	27.12.2024
5) Last date of Inspection & Officer	22.06.2023, Shri A. K. Gadatia, AME

I. GENERAL INFORMATION

Sl. No	Particulars	Details
1	Name of the Mine	Semariya Limestone mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.096 Ha. Non Forest 0.0 Ha. Forest Total area -3.096 Ha.
3	Mine Code	38CHG05009
4	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/4816/2011
5	Name of the lessee, Address, phone, email and fax number	J. K. Lakshmi Cement Ltd., Malpuri-Khurd, Khasadih, Post- Ahiwara, Tehsil- Dhamdha District - Durg, Chhattisgarh-490036
6	Village	Semariya
7	Taluka/Mandal	Dhamdha
8	District	Durg
9	Pin Code	490036
10	State	Chhattisgarh
11	Post office	Nandani Nagar
12	Nearest police station	Nandani Nagar
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	18-09-1981
15	Date of Execution	Transfer on 20th June 2013
16	Date of opening of Mine	01-10-2014
17	Date of first Renewal, if applicable and its period & expiry	18/09/2001 to 17/09/2021 (20 Years)
18	Date of second Renewal, if applicable and its period & expiry	18/09/2021 to 17/09/2031 (10 Years)
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Arun Kumar Shukla Address-Nehru House 4 , Bahadur Shah Zafar Marg, New Delhi-110002, Phone- 01123311112, Email- arun.shukla@jkm.com Date of Appointment: -01/08/2022

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Mukul Srivastva J K Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. Chhattisgarh-490036. Phone : 8966909285. Email-mukul.srivastava@durg.jkmail.com Date of Appointment: -01/10/2020
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Birendra Banjare J K Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. Email-birendra.banjare@durg.jkmail.com Date of Appointment: -01/05/2023 Email- birendra.banjare@durg.jkmail.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Birendra Banjare Experience-13 Years J K Lakshmi Cement Ltd.Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. Date of appointment-01.05.2023 Email- birendra.banjare@durg.jkmail.com
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Shambhu Pal M.Tech (App. Geo),/ 15 Years J K Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. Contact No. 9109165570/ Email- shambhu.pal@durg.jkmail.com Date of appointment-10.01.2022
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57 of MCDR, 2017.	Yes
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	-
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved on 10/01/2022 Proposal Period 2022-23 to 2026-2027
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining (Opencast, Underground)	Opencast
30	Category (A or B)	Fully Mechanised, Category-A
31	Status of Financial Assurance (Amount and Validity)	12.41/- Lac in INR valid upto 31.03.2027
32	Captive/Non-Captive	Captive
33	Present EC Status	Not obtained. Applied by the lessee.

Scientific Mining: Compliance of proposals of approved Review of Mining Plan:

Sl. No	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
A. EXPLORATION:-				
1a	Backlog of Previous Year	Nil	Nil	
1b	Exploration Over Lease area for Geological Axis 1 or 2	No proposal	Nil	Entire potential area of 3.096 ha explored under G1 category
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis 1 or 2	No proposal	Nil	
1e	Balance reserves as on 01/04/2024	Under (111): 0.25 Million Tonnes		As per Annual Return submitted
1f	General remarks of inspecting officer on geology, exploration etc.	No exploration has been proposed in the approved Review of Mining Plan during F.Y. 2023-24.		

Sl. No	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
B. DEVELOPMENT:-				
2a	Location of development w.r.t. lease area	In between coordinates E542438-542662 & N2368035-2368162	Nil	
2b	Separate benches in topsoil, overburden and mineral	Separate benches proposed in OB & mineral	Nil	
2c	Stripping ratio or ore to OB ratio	1:00	Nil	
2d	Quantity of topsoil generation in m ³	No proposal	Nil	
2e	Quantity of overburden generation in m ³	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine was temporarily discontinued from 01/04/2023 for which notice of temporary discontinuance (Form-E) was submitted by the lessee. The mine was non-working during the reporting year 2023-24 and working of NIL days was reported in the submitted Annual Return for the year 2023-24.		

Sl. No	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
C. EXPLOITATION: -				
3a	Number of Pit Proposed for Production	01	Nil	
3b	Quantity of ROM mineral production proposed	19950 Ton	Nil	
3c	Recovery of Sailable/ Usable Mineral from ROM Production	100 %	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 segregating from ROM	Mechanised	Nil	
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	Proposed	Nil	
3k	Provision of mining machineries in mineral benches	Proposed	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Benches of 03 meter height in limestone	Nil	
3m	Total area covered under excavation/pits	2.38 Ha up to end of plan period 2026-27	2.26 Ha. up to end of F.Y. 2023-24	Existing/old pit of 2.26 Ha.
3n	Ore to OB ratio for the pit/mine during the year	1:00	Nil	
3o	Total area put in use under different heads at the end of year	Total area put to use 2.482 Ha end of plan period 2026-27	2.362 Ha up to end of F.Y. 2023-24	
3p	Production of ROM mineral during last five-year period, as applicable (Metric Tonnes)	2019-20: 2500 2020-21: 2500 2021-22: 2500 2022-23: 19925 2023-24: 19950	2019-20: 0.00 2020-21: 27.19 2021-22: 41.11 2022-23: 13.30 2023-24: 00.00	(All units in Tonne) Figure given as mentioned in Approved RMP and submitted Annual Returns
3q	General remarks of inspecting officer on method of mining etc.	The mine was temporarily discontinued from 01/04/2023 for which notice of temporary discontinuance (Form-E) was submitted by the lessee. The mine was non-working during the reporting year 2023-24 and working of NIL days was reported in the submitted Annual Return for the year 2023-24.		

Sl. No	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
D. SOLID WASTE MANAGEMENT - DUMPING:-				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects	No Proposal	Nil	
4b	Location of Topsoil, OB and Mineral Rejects Dumps	No proposal	Nil	
4c	Number of Dumps within Lease & Outside Lease area	No proposal	Nil	
4d	Location of Dumps, within Ultimate Pit Limit	No proposal	Nil	
4e	Number of Active & Alive Dumps	No proposal	Nil	
4f	No of Dead Dumps	No proposal	Nil	
4g	No of Dumps Established	No proposal	Nil	
4h	Whether Retaining Wall or Garland drain along Dumps are there	No proposal	Nil	
4i	Length of Retaining Wall or Garland drain along Dumps	No proposal	Nil	
4j	No. of Settling tanks	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	The mine was temporarily discontinued from 01/04/2023 for which notice of temporary discontinuance (Form-E) was submitted by the lessee.		

Sl. No	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
E. SOLID WASTE MANAGEMENT - BACKFILLING:-				
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	Area is not matured for reclamation and rehabilitation
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No any part of ML area is mined out fully to carry out backfilling, reclamation etc.		

Sl. No	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
F. PROGRESSIVE MINE CLOSURE PLAN: -				
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	To be submitted before 01st July every year	PMCP report received in time	Annual Report submitted on 25.06.2024
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	No proposal	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	No proposal	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The mine was temporarily discontinued from 01/04/2023 for which notice of temporary discontinuance (Form-E) was submitted by the lessee.		

Sl. No	Item	Proposals. (2023-24)	Actual Work (2023-24)	Remarks
G. MINERAL CONSERVATION:-				
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral to be fed to crusher plant	Nil	
7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	Mechanized	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	The mine was temporarily discontinued from 01/04/2023 for which notice of temporary discontinuance (Form-E) was submitted by the lessee.		

Sl. No	Item	Proposals (2023-24)	Actual Work (2023-24)	Remarks
H. ENVIRONMENT:-				
8a	Separate removal and utilization of topsoil	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines	No proposal	Nil	
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	No proposal	Nil	
8g	Survival rate	No proposal	Nil	
8h	Water sprinkling on roads to control airborne dust	Proposed	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine was temporarily discontinued from 01/04/2023 for which notice of temporary discontinuance (Form-E) was submitted by the lessee.		

Sl. No	Item	Comments		Remarks
I. COMPLIANCE OF RULE-45: -				
9a	Status of Submission of Monthly & Annual Returns	MR being regularly submitted AR submitted up to 2023-24		
Sl. No	Item	Details Given in AR	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer & Manager Mines – Shri Birendra Banjare Geologist- Shri Shambhu Pal	Employed	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current workings-2.26 Ha. Occupied by plant, buildings, residential, welfare buildings and roads- 0.042 Ha	Covered under current workings- 2.26 Ha. Occupied by plant, buildings, residential, welfare buildings and roads- 0.042 Ha	
9d	Scrutiny of Annual return on afforestation	Outside lease area 500 Nos.	Outside lease area 500 Nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	No generation reported	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening stock- 0.00 Production- 0.00 Closing stock- 0.00	ROM: Opening stock- 0.00 Production- 0.00 Closing stock- 0.00	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex mine price & cost of production- Rs Nil /Tonne Sale Value: Nil	Ex mine price & cost of production- Rs. Nil /Tonne Sale Value: Nil	Mining operations were discontinued during the year 2023-24
9i	Scrutiny of Annual return on fixed assets	Rs. 331608 including land, machinery & building	Rs. 331608 including land, machinery & building	
9k	Scrutiny of Annual return on mining machineries	Jeep/Tractor-01 No. Pump (Elec.)- 01 No.	Jeep/Tractor-01 No. Pump (Elec.)- 01 No.	

10- Details of violations observed during current inspection: - The mining operation of Semeriya Limestone Mine over an area of 3.096 Ha. of M/s J. K. Lakshmi Cement Limited was temporarily discontinued from 01/04/2023 for which notice of temporary discontinuance (Form-E) was submitted by the lessee. The mine was non-working during the reporting year 2023-24 and working of NIL days was reported in the submitted Annual Return for the year 2023-24.

11- Analysis of DAI and submission of the scrutiny reports in the MIDPAS portal. As per the directives issued by the CCOM (I/C) dated 23.09.2024, the digital imageries (Drone Data) submitted by the lessee has been analysed and uploaded the scrutiny report/briefing as per the specified format in the online portal (i.e. MIDPAS).

प्रशान्त कुमार साह / Prasant Kumar Sahu
सहायक खान नियंत्रक / Assistant Controller of Mines
भारतीय खान ब्यूरो, रायपुर / Indian Bureau of Mines, Raipur