

MCDR INSPECTION REPORT 2021-22

General:

Sl .No.	Particulars	Details
1	Name of the Mine	JK Lakshmi Cement Limestone Mine -2
2	Date of Inspection:	23 rd August 2022
3	Name of Inspecting Officer	Shri Dayanand Upadhyay, Sr. Asst. Controller of Mines
4	Name of official accompanying inspection	
5	Last date of Inspection & Officer	Shri D. Dash, SMG Inspection carried out on 20.01.2022
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	252.105 ha. (252.105 Ha. non forest , 0.0 ha. forest area)
7	Mine code	38CHG05026
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/4816/2011
9	Name of the Lease, Address, Phone, email and fax number	M/s JK Lakshmi Cement Ltd. Malpuri - Khurd, Khasadih, Post- Ahiwara, Tehsil- Dhamdha8966902222 dineshsingh@durg.jkmail.com
10	Village	Semariya, Ghikudia & Nandini-Khundini
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post Office	NandaniNagar
16	Nearest Police Station	Nandnagar
17	Nearest Railway Station	Durg
18	Date of Grant of Mining Lease	26-10-2016
19	Date of Execution	28-12-2016
20	Weekly day of rest	Sunday
21	Date of opening of Mine	24-09-2018
22	Date of First Renewal, if applicable and its period & expiry	Not Applicable
23	Date of Second Renewal, if applicable and its period & expiry	Not Applicable
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Sushil Kumar Wali Address-Nehru House 4 , Bahadur Shah Zafar Marg, New Delhi-110002, Phone- 01123311112, Email- skwali@jkmail.com Date of Appointment :-01/07/2013

26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri MUKUL SRIVASTVA Address :- JK 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
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Dinesh Singh Address :- JK Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. dineshsingh@durg.jkmail.com Date of Appointment :-01/05/2018
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Sanjay Arora appointed as geologist M.Tech (App. Geo),/ 32 Years/Nehru Nagar Bhilai,9752094047/ sanjayarora@durg.jkmail.com / 1.05.2018 and Shri Birendra Kumar Banjare B.Tech (Mining) /11 YRS/Ahiwara , Durg 1.05.2018/ 7747019156 / birendra.banjare@durg.jkmail.com
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Approved on 04-02-2021, for the period 01-04-2021 to 31-03-2026.
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (Fully Mechanized, Others or Manual)	Fully Mechanised
35	Captive/Non-Captive	Captive
36	Present EC Status	4.8 million tonne for both mines (ML1 & ML2)
37	Status of Financial Assurance	318480092/- (deposited as MDPA)

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

1.0 Exploration:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
1a	Backlog of previous year Proposals	26 bore holes	28 bore holes	There is no backlog.
1b	Exploration over lease area for Geological axis 1 or 2.	G1 level	G1 level	G1 level of exploration.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not specified	GEM CONSULTANT, Expenditure:Rs 24.51 Lakh	GEM CONSULTANT, Expenditure:Rs 24.51 Lakh
1d	Balance area to be explored to bring Geological axis in 1 or 2.	43 Ha. Area proposed to G1 level exploration	43.48 Ha explored under G1 level.	43.48 Ha explored under G1 level.
1e	Balance reserves as on 01.04.2022	Balance reserves as on 01.04.2022: 63662059.26 Ton		
1f	General remarks of Inspecting officer on geology, exploration etc.	Total lease area is explored under G1 level of exploration.		

2.0 Development:

S.N	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
2a	Location of Development w.r.t. lease area	540642 E - 540812 E 2368240 N to 2368380 N	540640 E - 540800 E 2368240 N to 2368380 N	Development is as per proposal.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Separate benches in topsoil, OB & ore are maintained.	Separate benches in topsoil, OB & ore are maintained.
2c	Stripping ratio or ore to OB ratio	1 : 0.52	1 : 0.16	Due to less ROM production OB/ waste quantity generated less.
2d	Quantity of topsoil generation in m ³	1065 cu.m	1513cu.m	Due to less ROM production top soil quantity generated less.
2e	Quantity of overburden generation in m ³	77890 cu.m	16922 cu.m	Due to less ROM production OB/ waste quantity generated less.
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is carried out within approved proposal.		

3.0 Exploitation:

S.N	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks						
3a	Number of pits proposed for production	1no. of pit	1no. of pit	1no. of pit						
3b	Quantity of ROM mineral production proposed	150000.00 Ton	113884.74 Ton	ROM production is as per plant requirement.						
3c	Recovery of Salable/usable mineral from ROM production	150000.00 Ton	113884.74 Ton	Total ROM is usable for its captive plant.						
3d	Quantity of mineral reject generation	Not proposed	Nil	Entire ROM is used to its Captive Plant.						
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Nil	Entire ROM is used to its Captive Plant.						
3f	Quantity of sub-grade mineral generation	Not proposed	Nil	Entire ROM is used to its Captive Plant.						
3g	Grade of sub-grade mineral generation	Not proposed	Nil	Entire ROM is used to its Captive Plant.						
3h	Manual/Mechanized method adopted for segregation from ROM	Not proposed	Nil	Entire ROM is used to its Captive Plant.						
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	Entire ROM is used to its Captive Plant.						
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling blasting.	Deep hole drilling blasting.	Deep hole drilling & blasting as per proposal..						
3k	Provision of mining machineries in mineral benches	Shovel and dumper combination	Shovel and dumper combination	Excavator, Loader and Dumper are equipped to winning out the mineral.						
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Bench height is suitably matched with the excavator.						
3m	Total area covered under excavation /pits	3.71	2.57 Ha.	under excavation /pits 2.57 Ha.						
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.52	1 : 0.16	Due to less ROM production OB/ waste quantity generated less.						
3o	Total area put in use under different heads at the end of year	<table border="1"> <thead> <tr> <th>Description</th> <th>End of 5 Years</th> <th>FY 2021-22</th> </tr> </thead> <tbody> <tr> <td>Area under Pit</td> <td>3.7100</td> <td>2.57</td> </tr> </tbody> </table>		Description	End of 5 Years	FY 2021-22	Area under Pit	3.7100	2.57	Area under excavation /pits 2.57 Ha.
Description	End of 5 Years	FY 2021-22								
Area under Pit	3.7100	2.57								

		Area under roads	0.3000	0.15	
		Area under infrastructure	0.1000	0.1	
		Area under Top soil stack	1.7712	0.465	
		Area under waste Dump	9.5936	3.157	
		Area under Crusher	0	0	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2016-17: 0.000 Tonnes 2017-18: 0.000 Tonnes 2018-19: 50010 Tonnes 2019-20: 99000 Tonnes 2020-21: 148725 Tonnes 2021-22: 150000 Tonnes	2016-17: 0.000 Tonnes 2017-18: 0.000 Tonnes 2018-19: 16362.69 Tonnes 2019-20: 48722.23 Tonnes 2020-21: 80729.5 Tonnes 2021-22: 113884.74 Tonnes		ROM production is as per plant requirement.
3q	General remarks of inspecting officer on method of mining etc	The ROM production has been carried out from single pit as per proposal.			

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, OB/waste.	Separate dumping of topsoil, OB/waste maintained.	Mineral reject not proposed.
4b	Location of topsoil, OB & mineral reject dumps	OB Dump 542540 E - 543020 E 2368830 N to 2369090 N Soil Dump 541100 E - 541143 E 2368493 N to 2368523 N	OB Dump 542827 E - 542982 E 2368880 N to 2368950 N Soil Dump 541100 E - 541187 E 2368493 N to 2368652 N	Dumping Within proposed area.
4c	Number of Dumps within lease area and outside lease area	2 OB Dump & 1 Soil Dump	2 OB Dump & 1 Soil Dump	2 OB Dump & 1 Soil Dump
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Outside UPL
4e	Number of Active & Alive dumps	3 Active dump	3 Active dump	3 Active dump
4f	Number of dead dumps	Not proposed	Nil	Nil
4g	Number of dumps established	Not proposed	Nil	Nil

4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Retaining wall/ garland drain constructed
4i	Length of Retaining wall or garland drain all along dump	Garland drain 100X2X1 Retaining Wal 50X0.25X1.5	Garland drain 100X2X1 Retaining Wal 50X0.25X1.5	Retaining wall/ garland drain constructed
4j	Number of settling ponds	Not proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Separate dumping of topsoil, OB/waste are maintained.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
5a	Status on 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 (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is not matured for reclamation and rehabilitation.		

6.0 Progressive Mine Closer Plan:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	As per provision of MCDR 2017.	Annual report on PMCP submitted.	Annual report on PMCP submitted.
6b	Management of worked/mined out benches Area available for rehabilitation (Ha) Afforestation done (ha) No. of saplings planted during the year Cumulative no. of plants Any other specific method of rehabilitation Cost incurred on watch & care during the year	No proposal	Nil	Area is not matured for reclamation and rehabilitation.

6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	No proposal	Nil	Area is not matured for reclamation and rehabilitation.
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	1100 no. of plantation	1120 no. of plantation in 0.74 ha	1120 no. of plantation in 0.74 ha
6e	Compliance of Environment monitoring (core zone & buffer zone)	Quarterly monitoring.	Quarterly monitoring.	Quarterly monitoring.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Area is not matured for reclamation and rehabilitation		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Not proposed	ROM is directly dispatched to plant for use to its captive plant.	ROM is directly dispatched to plant for use to its captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	ROM is directly dispatched to plant for use to its captive plant.	ROM is directly dispatched to plant for use to its captive plant.
7c	Different grade of mineral sort out at mine	Not proposed	ROM is directly dispatched to plant for use to its captive plant.	ROM is directly dispatched to plant for use to its captive plant.
7d	Any beneficiation process at mines	Not proposed	ROM is directly dispatched to plant for use to its captive plant.	ROM is directly dispatched to plant for use to its captive plant.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is directly dispatched to plant for use to its captive plant.		

8.0 Environment:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
------	------	---------------------	-----------------------	---------

8a	Separate removal and utilization of topsoil (Rule32)	Yes	Yes	Stacked & used for Plantation purpose
8b	Concurrent use or storage of topsoil	Yes	Yes	Stacked & used for Plantation purpose
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Area is not matured for reclamation and rehabilitation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Area is not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1100 no. of plantation	1120 no. of plantation in 0.74 ha	1120 no. of plantation in 0.74 ha
8g	Survival rate	Not specified.	Survival rate 85%	Survival rate 85%
8h	Water sprinkling on roads to control airborne dust	water sprinkling on roads through water tanker	Water sprinkling by Water tanker	Water sprinkling by Water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mines area is maintained by plantation.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to within time		
		AR submitted up to within time		
SN	Item	Details Given in A.R.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager furnished.	Found in order.	Found in order.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes		

	Lease area (surface area) utilisation as at the end of year (hectares)	Under forest	Outside forest	Total		
	(i) Already exploited & abandoned by opencast (O/C) mining	0.00	0.00	0.00	Found in order.	Found in order.
	(ii) Covered under current (O/C) Workings	0.00	2.57	2.57		
	(iii) Reclaimed/Rehabilitated	0.00	0.00	0.00		
	(iv) Used for waste disposal	0.00	0.00	0.00		
	(v) Occupied by plant, buildings, residential, welfare buildings & roads	0.00	0.25	0.25		
	(vi) Other Purpose (TOP SOIL & OB STOCK)	0.00	0.465	0.465		
	(vii) Work done under progressive mine closure plan during the year	0.00	0.74	0.74		
9d	Scrutiny of Annual return on afforestation	826 no.		826 no.		
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil		Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Nil		Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex Mine Price Rs 242		Ex Mine Price Rs 242	Ex Mine Price Rs 242	
9i	Scrutiny of Annual return on Fixed assets	Rs 506916649		Rs 506916649	Rs 506916649	
9k	Scrutiny of Annual return on mining Machineries	Yes				

Type of machinery	Capacity of each unit	No.of units	Found in order.	Found in order.
BACK HOE	1.400 CUM	1		
BLAST HOST DRILL	110.000 MM	1		
DOZER	380.000 HP	1		
EXPLOSIVE VAN	7.000 TONNE	1		
JEEP/TRACTOR	300.000 HP	1		
TIPPER	16.000 CUM	5		
WATER TANKER	20000.000 LITRE	1		

10- Details of violations observed during last inspection and the compliance status.

During current inspection no any violation is pointed out.

Date: 23/09/2022

Signature:
Name: Dayanand Upadhyay
Designation: Sr. ACOM