

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	Shri R. K. Das, Sr. Asstt. Controller of Mines, Indian Bureau of Mines, Raipur
2	Date of inspection	10-12-2020
3	Name of the Mine	Semariya Limestone mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.096 Ha.
5	Mine Code	38 CHG 05009
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4816/2011
7	Name of the lessee, Address, phone, email and fax number	M/s JK Lakshmi Cement Ltd Malpuri-Khurd, Khasadih, Post- Ahiwara, Tehsil- Dhamdha
8	Village	Semariya
8	Taluka/Mandal/District	Durg
10	State	Chhattisgarh
11	Post office & PIN	Nandini Nagar& 490036
12	Nearest police station	Nandini Nagar
13	Nearest Railway station	Bhilai Power House
14	Date of Grant of Mining Lease	18/09/1981
15	Date of Execution	transfer on 20 th June 2013
16	Date of opening of Mine	01/10/2014
17	Date of first Renewal, if applicable and its period & expiry	18/09/1991 to 17/09/2001(10 Years)
18	Date of second Renewal, if applicable and its period & expiry	18/09/2001 to 17/09/2031 (30 Years)
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N/A.
20	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
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri MUKUL SHRIVASTVA 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
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Praveen Singh Address :- JK Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. praveen.singh@durg.jkmail.com Date of Appointment :-01/05/2018

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Praveen Singh Address :- JK Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. praveen.singh@durg.jkmail.com Date of Appointment :-15/02/2018
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56&57.	Shri Probal Chatterjee appointed as geologist and Shri Praveen Singh appointed as Mining Engineer under rule 42 Duties carried out as per rule 43,44.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan approved on 24/03/2017 for the period 2017-18 to 2021-22.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast mining
29	Category (Fully Mechanised, Others or Manual)	other
30	Captive/Non Captive	Captive
31	Existing EC Limit and validity	25000 tonn
32	Status of Financial Assurance	2,00,000/- + 8,00,000/- = 10 .00 lakh

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal in 2019-20	Broadly area explored in G1	

1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	Nil	
1e	Balance reserves as on 01.04.2020 (in Million Tonnes)	0.147		
1f	General remarks of inspecting officer on geology, exploration etc.	During mine visit it was observed that most the lease area is exposed due to pit but it is water logged . In lease area 4 bore holes drilled in all corner therefore area already explored.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	Extending towards eastern direction	No development done as mine is under temporary discontinuous in 2019-20	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Yes	NA	
2c	Stripping ratio or ore to OB ratio	1:0.22	NA	
2d	Quantity of topsoil generation in m3	0	0	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No development done as mine is under temporary discontinuous in 2019-20		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	2500 tonn	0.000 Tonn	MINE IS TEMP. DISCONTINUED
3c	Recovery of salable/usable mineral from ROM production	N/A	N/A	
3d	Quantity of mineral reject generation	Nil	Nil	----
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	nil	nil	-----
3g	Grade of sub-grade mineral generation	NIL	NIL	

3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	
3j	Provision of drilling & blasting in mineral benches	YES	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	Nil	Nil	Nil
3m	Total area covered under excavation/pits	2.38	2.38	-----
3n	Ore to OB ratio for the pit/mine during the year	1:0.22	0	
3o	Total area put in use under different heads at the end of year	2.40	2.40	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2015-16:1,950 Metric Tonnes Yr- 2016-17: 1,950Metric Tonnes Yr- 2017-18: 2500Metric Tonnes Yr- 2018-19: 2500Metric Tonnes Yr- 2019-20: 2500Metric Tonnes	Yr- 2015-16: 1,367.26 Metric Tonnes Yr- 2016-17: 1,943.15 Metric Tonnes Yr- 2017-18: 1861.66Metric Tonnes Yr- 2018-19: 1627.12 Metric Tonnes Yr- 2019-20: 0.000Metric Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Mine is temp. discontinue		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	NA	NA	-----
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	NA	NA	

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	NA	NA	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	
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	No proposal	Nil	Not Proposed.
4k	Specific comments of inspecting officer on waste dump management	No major dump observed and in under temporary discontinuous in 2019-20.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	NIL	----
5b	Area under backfilling of mined out area	N/A	N/A	----
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Plantation uses	Plantation uses	----
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area not matured for backfilling and during mine visit it was observed that pit is water logged.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	yes	yes	----
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 &	0	0	----

	care during the year			
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	N/A	N/A	----
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	---- 0 Nos. 0.00 Plantation	---- 0 Nos. 0.0 Ha Plantation	----
6e	Compliance of Environmental monitoring (core zone & buffer zone)	yes	yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	No comments		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2500 Tonn	0	MINE IS TEMP. DISCONT INUED
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	---
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No comments		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Utilized in Plantation	Utilized in Plantation	----
8b	Concurrent use or storage of topsoil	Utilized in Plantation	Utilized in Plantation	----
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	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)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	NA	NA	
8g	Survival rate	Not mentioned specifically	NA	
8h	Water sprinkling on roads to control airborne dust	yes	yes	----
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	As the mining activity is temporary discontinuous and pit is water logged no adverse impact observed.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – Nov. 2020 A.R. submitted upto- up to 2019-20	

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes Given	Mining Engineer & Mine Manager-Shri Praveen Singh, Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current O/C working- 2.38 ha, Roads-0.025	Last year 2019-20 production reported nil and mine is under	

File No.CHG/DRG/LST-42/NGP

		ha.	temporary discontinuous.	
9d	Scrutiny of Annual return on afforestation	Nil		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1647.68 tons		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price & production cost-nil		Nil production
9i	Scrutiny of Annual return on fixed assets	Rs23382988/-		
9k	Scrutiny of Annual return on mining machineries	NA		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

Date of Last Inspection, Name and Designation of the Inspecting Officer:

14.08.2019 Shri S. Kartikeya (Jr. Mining Geologist , Indian Bureau of Mines, Raipur) and violation pointed out taken compliance.

During present inspect violation pointed out under Rule 55 of MCDR, 2017

(Rajesh Kumar Das, Senior Assistant Controller of Mines)