

MCDR INSPECTION REPORT**General**

S.N.	Particulars	Details
1	Name of the Mine	BHATIA LIMESTONE MINE
	Date of Inspection:	20/10/2023
	Name of Inspecting Officer	IBRAHIM SARIEF, Deputy Controller of Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	TOTAL LEASE AREA – 10.431 HA FOREST AREA – NIL
3	Mine code	38MPR35098
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/5097/2011
5	Name of the Lease, Address, Phone, email and fax number	M/s KJS (I) Cement Ltd Ground Floor, Unit No.- 005 Copia Corporate Jasola Jasola New Delhi -110044
6	Village	Bhatia
7	Taluka/Mandal	Maihar
8	District	Maihar (SATNA)
9	Pin code	485771
10	State	MADHYA PRADESH
11	Post Office	BHATIA
12	Nearest Police Station	Nadan
13	Nearest Railway Station	Maihar
14	Date of Grant of Mining Lease	24-06.1982
15	Date of Execution	24-06.1982
16	Date of opening of Mine	01.05.1992
17	Date of First Renewal, if applicable and its period & expiry	29/05/1992
18	Date of Second Renewal, if applicable and its period & expiry	03/06/2005 and 3 rd renewal-18/06/2020 Lease is valid up to 23/06/2032
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Neeraj Kumar Verma
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Vijay Singh Rathod
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Atindra Bhattacharya
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Raj Kumar, BE Mining, Date of Appointment – 10/05/2021
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes / Satpal Singh Raghuvanshi Date of Appointment – 23/11/2020
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	22/12/2004- for 22/12/2004 to 21/03/2007
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	21/06/2011- For 21/6/2011 to 21/03/2012 27/08/2013- For 27/8/2013 to 31/3/2017 24/04/2019- For 24/4/2019 to 28/05/2022
27	Mineral(s) granted in lease and approved for	LIMESTONE

	Mining	
28	Method of Mining (Opencast, Underground)	OPENCAST
29	Category (Fully Mechanized, Others or Manual)	FULLY MECHANIZED
30	Captive/Non-Captive	Non- Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year 2022-23	03 No. /180Meter	06 No. /185 Meters	
1b	Exploration over lease area for Geological axis 1 or 2.	G1- 5.225 Ha G2- 2.624	G1- 5.225 Ha G2- 2.624	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Lessee, No proposal	Lessee, Exploration / About 5.0 lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1-.2.624 Ha.	2.624 ha	Lessee submitted proposal in the MP document
1e	Balance reserves as on 01.04.2023	As on 01.04.2023: 111 - : 336739 122 - : 407984 211 - : 485095 222 - : 252600 Reserves proposed to be Depleted during 2019-20 : 77000 Tons 2020-21 : 72650 Tones 2021-22 : 77000 Tons 2022-23 : 97800 Balance : 420213 tons	111 - : 336739 122 - : 407984 211 - : 485095 222 - : 252600 Reserves Depleted during 2019-20 : 76954 Tons 2020-21 : 69345 Tones 2021-22 : 76940 Tons 2022-23 : Nil As on 01.04.2023: Balance Reserves : 521484 tons	
1f	General remarks of Inspecting officer on geology, exploration etc.	The occurrence of limestone in the lease area is stratigraphically controlled and associated with Bhandar group of Vindhyan super group. General strike of formation is WNW- ESE with low dip- 1-2 deg. towards north		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Quarry-2 towards South and New pit in South to be opened	Mining operations are carried out in Quarry-2 and New pit, but deviation is observed for excavation in safety zone	Violation was pointed out
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate bench for Top Soil, Ob and Mineral bench to be developed	No development carried out during the year	Violation was pointed out for bench
2c	Stripping ratio or ore to OB ratio	1: 1.02	1:0.0	
2d	Quantity of topsoil generation in m ³	12300 cum	Nil	
2e	Quantity of overburden generation	27780 m ³	Nil	Mining

	in m ³			operation are not being carried out due want of Mining plan
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The mine is developed in pit-2 and New Pit, deviation is observed for excavation in safety zone, violation was pointed out for deviation in excavation. Mining operations are not being carried out for want of Mining plan document		

Exploitation

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	2 Pits	2 Pits	
3b	Quantity of ROM mineral production proposed (2022-23)	97800 Tonnes	Nil	
3c	Recovery of Salable/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	Not proposal	Nil	
3g	Grade of sub-grade mineral generation	Not proposal	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method adopted	No such segregation during the year	Screen/Wobbler
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	No beneficiation study carried out	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting proposed as per following parameter spacing: 4-5m, Burden: 3-4m, Depth of hole:6-7 m, Dia of hole: 115m,	No Drilling and Blasting carried out during the year	
3k	Provision of mining machineries in mineral benches	Back Hoe Excavator 02 Nos. Dumpers 04 Nos. Drill DTH 01 Nos. Water Tanker with Sprinkler	No machineries deployed during the year	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 Mtr bench height is suitable for this type of deposit	Yes Suitable	
3m	Total area covered under excavation /pits	7.58	6.7 Ha	Violation was pointed out
3n	Ore to OB ratio for the pit/mine during the year	1:1.02	1:0.0	
3o	Total area put in use under different heads at the end of year	8.03	8.49	
3p	Production of ROM mineral during last five-years period, as Applicable	18-19	No proposal	Nil
		19-20	77000 Tons	76954 Tons
		20-21	72650 Tones	69345 Tones

		21-22	77000 Tons	76940 Tons	
		22-23	97800 Tons	Nil	
3q	General remarks of inspecting officer on method of mining etc	No mining activity during the year, however there are discrepancies in the excavation, violation was pointed out			

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumps of waste is proposed	No waste dumping during the year, Waste material is found dumped	
4b	Location of topsoil, OB & mineral reject dumps	Backfilling of Pit 1 in mined out area	Dumping is being carried out on Southern side of Pit-2.	Violation was pointed out for deviation in dumping
4c	Number of Dumps within lease area and outside lease area	07 within lease area	07 within lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	within lease area 1	within lease area	
4e	Number of Active & Alive dumps	07	07	
4f	Number of deed dumps	No proposal	NIL	
4g	Number of dumps established	No proposal	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific commends of inspecting officer on waste dump management	Violation was pointed out for not deviation in dumping		

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	Yes proposal to excavate entire mineralized area before back-filling	No waste dumping carried out during the year, however dumping was carried out on Eastern side of pit-2 without complete extraction of ore	Violation was pointed out
5b	Area under backfilling of mined out area	No proposal	About 2.0 ha	Earlier
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	No backfilling during the year		

Progressive Mine Closer Plan

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and Correctly-Rule 23E (2).	To be submitted as per statute	Submitted on time	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	No proposal for mined out benches.	NIL	
	ii) Afforestation done (ha)	No proposal for mined out benches.	NIL	
	iii) No. of saplings planted during the year	No proposal for mined out benches.	NIL	
	iv) Cumulative no. of plants	No proposal for mined out benches.	NIL	
	v) Any other specific method of rehabilitation	No proposal for rehabilitation of mined out benches.	NIL	
	vi) Cost incurred on watch & care during the year	Not applicable.	NIL	
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 backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	--- No proposal No proposal No Proposal No Proposal No Proposal	NIL NIL NIL NIL NIL	Pit Area- Pit-1 is backfilled
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	0.400 Hect. / 800 plants NIL No Proposal	0.400 Hect. / 1030 plants NIL NIL	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment monitoring (core zone & buffer zone) is to be done	Environment Monitoring is being carried out	Air/ Noise/ Water being done.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Entire ROM of produced to be dispatched	No Ore disposed during the year 2022-23	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical,	Mechanical	
7c	Different grade of mineral sort out at mine	The Limestone of the lease area is of cement grade.	The Limestone of the lease area is of cement grade.	
7d	Any beneficiation process at mines	No Proposals	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral rejects/subgrade generation from ROM		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes The soil in the lease area will be used for topping of the backfilled area and plantation will be done on soil dump.	Nil	No mining activity during the year
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Concurrent use of overburden waste material for backfilling proposed	No mining activity during the year	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes, proposed to utilize to backfill the Pit 1	Nil during the year	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent use of overburden waste material for backfilling proposed	No mining activity during the year	Violation was pointed out
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	800Nos. /0.400 Hect.	Nil	No mining activity during the year
8g	Survival rate	No proposal	Nil during the year	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to be carried out to control airborne dust	Yes Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Green Belt is developed in and around lease area to improve aesthetic beauty.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns Annual return & Monthly returns shall be submitted in Time as per statute	Annual return & Monthly returns are being submitted in Time Annual Returns 2022-23: - submitted on time Monthly Returns for the Month of July -2023:- submitted on time	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager.	Mining Engineer- Raj Kumar Geologist- Shri Satpal Singh Raghuvanshi have been employed in the mine	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit Area- 6.70 Reclaimed-rehabilitated – 2.45 Ha Waste Disposal- 0.550 Infrastructure & Other - 0.21 Ha	
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 grade ore	No stocks of ROM/ Graded Ore	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Nil	No dispatch
9i	Scrutiny of Annual return on Fixed assets	FA= Rs. 11033930,	
9k	Scrutiny of Annual return on mining Machineries	No machineries deployed as no mining activity carried out.	

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:

Sl No.	Violations pointed out	Status of compliance
1	11(1), 37(2), 45(7) of MCDR, 2017 were pointed out	Not complied

Date:

Name: Ibrahim Sharief

Designation: Deputy Controller of Mines