

I/31027/2024

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional office

Mine code: 38MPR420001

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Senior Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Suresh Wandhare (Head – Mines)
(iv)	Date of Inspection	:	30.11.2023
(v)	Previous Inspection date	:	02.06.2022

PART-I : GENERAL INFORMATION

1	(a)	Mine Name	:	Koni Simariya Limestone Mine
	(b)	Registration Number	:	IBM/418/2011
	(c)	Category	:	A-Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Panna
		Village	:	Koni, Boda, Gudha, Pagra, Vanbhai, Devri, Ganiyari, Mahrajganj, Kuluwa & Simariya
		Taluka	:	Simariya
		Post Office	:	Boda
		Pin code	:	488442
		Fax	:	NA
		email	:	kapil.agrawal@jkcement.com
		Phone No	:	9611199409
	(f)	Police Station	:	Simariya
	(g)	First Opening date	:	03.05.2022
	(h)	Weekly day of rest	:	SUN
2		Address for Correspondence	:	
3	(a)	Lease Area	:	3095.23 Hectare
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	01.12.20270
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	M/s J K Cement Limited Kamla Tower, Kanpur – 208001 (UP) Email: ak.saraogi@jkcement.com
		Name of address of the Owner/Nominated Owner with Phone, email, fax number	:	Shri Ajay Kumar Saraogi M/s J. K. Cement Ltd. Kamla Tower, Kanpur – 208001 (UP) Email: ak.saraogi@jkcement.com
		Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri. Kapil Agrawal M/s J. K. Cement Ltd. Amanganj. Panna – MP 488441 Email: kapil.agrawal@jkcement.com Mobile No: 9611199409

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		Fax: NA Date of Appointment: 30.09.2023
	Name of address of the Manager with Phone, email, fax number and Date of appointment	: Shri .Sunil Sharma M/s J K Cement Limited Amanganj ,Panna – MP 488441 Email: Sunil.sharma3@jkcement.com Ph: 9950938552 Date of Appointment: 25.04.2022
	Mining Engineer Name Qualification Date of Appointment	: Shri. Sunil Sharma B.E (Mining) 25.04.2022
	Geologist Name Qualification, Date of Appointment	: Shri. Amit Dwivedi M.Tech (Applied Geology) Date of Appointment: 25.04.2022
6	Date of approval of Mining Plan/Review of Mining Plan etc.	: MP/Panna/Limestone/MPLN/MOD-20/2022-23 Jabalpur dated 29.06.2022

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS**Exploration: (2022-23)**

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2	In 2022-23, there was proposal for 66 nos of boreholes	In 2022-23, 82 nos of boreholes were drilled	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Exploration Agency: M/s GDS (India), Kolkata. Expenditure incurred: Rs. 8359439/-	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Exploration has been proposed over the period from 2022-23 to 2026-27 to cover entire lease area in G1 level of exploration	Are under G1 is 125.75, Balance area for exploration under G1 level is 2969.48 Ha	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2022, reserves was 630,851,000 tones.	Depletion during the year was 852,759 tones. Remaining reserves as on 31.03.2023 is 629,998,241 tones.	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no backlog in exploration proposal.		

Development (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Two pits were proposed one in Boda village (South Eastern Part of lease) and other in Koni village (North Eastern Part of lease)	Development has been done in both pits	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Maintained	Nil
2c	Stripping ratio or ore to OB ratio	1:0.30	1:0.79	Nil
2d	Quantity of topsoil generation in m3	28714 cum	26155 cum	Nil

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2e	Quantity of overburden generation in m3	558270 cum	677402 cum	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out as per proposal.		

3. Exploitation FY (2022-23)

S. N.	Item	Proposals		Actual Work	Remarks
3a	Number of pits proposed for production	Two Pits		Two Pits	Nil
3b	Quantity of ROM mineral production proposed	In 2022-23, the proposal for ROM production was 2063749 tones		In 2022-23, the actual ROM production was less i.e. 852759 tones only	Deviation has been pointed out to the lessee through violation letter.
3c	Recovery of Salable/usable minerals from ROM production	98%		100%	Nil
3d	Quantity of mineral reject generation	Not Proposed		Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Proposed		Nil	Nil
3f	Quantity of sub-grade mineral generation	Not Proposed		Nil	Nil
3g	Grade of sub-grade mineral generation	Not Proposed		Nil	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized		Mechanized	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed		Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Proposed		Carried out	Nil
3k	Provision of mining machineries in mineral benches	Proposed		Carried out	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes		Yes	Nil
3m	Total area covered under excavation /pits (Ha.)	11.57 Ha		10.64 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.30		1:0.79	Nil
3o	Total area put in use under different heads at the end of year	60.22 Ha		19.175 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2022-23	2063749 tones	852759 tones	Proposal Period: 2022-23 to 2024-25. Mine started on 03.05.2022
3q	General remarks of inspecting officer on method of mining etc.	In 2022-23, the actual ROM production quantity was less i.e. 852759 tones only against the proposal for 2063749 tones. Deviation has been pointed out to the lessee through violation letter.			

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4. Solid Waste Management-Dumping (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil and OB proposed	Separate dumping of topsoil and OB carried out.	Nil
4b	Location of topsoil, OB & mineral reject dumps	The generated soil, overburden, intercalated waste and sub grade mineral will be temporarily dumped towards northern side of Koni Village and eastern side of Boda village of the proposal period.	Dumping carried out as proposed.	Nil
4c	Number of Dumps within lease area and outside lease area	Seven number of dumps within lease area	Five number of dumps within lease area	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Nil
4e	Number of Active & Alive dumps	Seven no of active dumps	Five no of active dumps	Nil
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	Proposed	Maintained	Nil
4i	Length of Retaining wall or garland drain all along dump	Length of garland drain proposed was 750 m	Garland drain was constructed as per proposal.	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Separate dumping of top soil, overburden carried out outside the Ultimate Pit limit.		

5. Solid Waste Management-Backfilling (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Nil	Nil
5b	Area under backfilling of mined out area	Not Proposed	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine is not matured for reclamation through backfilling.		

6. Progressive Mine Closure Plan (2022-23)

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	As per rule 26(2) of MCDR 2017, the holder of mining lease shall submit to the competent authority a yearly report as per the format specified by the Indian	Annual return on PMCP for 2022-23 has been submitted along with annual return	Nil

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		Bureau of Mines, before 1st day of July report every year		
6b	Area available for rehabilitation (Ha)	Not Proposed	Nil	Nil
6c	Afforestation done (ha)	5.0 Ha	5.2 Ha	5.0
6d	No. of saplings planted during the year	12500 nos of saplings	17401 nos including bema bamboo of 9203 nos.	Nil
6e	Cumulative no. of plants	12500 nos	17401 nos	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Not Proposed	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not Proposed	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not Proposed	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	Nil
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Carried out	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Annual return on PMCP for 2022-23 has been submitted along with annual return.		

7. Mineral Conservation (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Grade wise sorting	Grade wise sorting	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	Nil
7c	Different grade of mineral sort out at mine	Cement grade	Cement grade	Nil
7d	Any beneficiation process at mines	Not Proposed	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Crushing and Screening is being carried out as per proposal.		

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8. Environment (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate removal of topsoil proposed	Separate removal of topsoil carried out	Nil
8b	Concurrent use or storage of topsoil	Storage of topsoil	Storage of topsoil	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed	Separate dumps for overburden waste rock maintained	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	12500 nos	17401nos	Nil
8g	Survival rate	90%	90%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried Out	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained.		

9. Compliance of Rule 45 (2022-23)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual Return for 2022-23 has been submitted timely.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager has been appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings: 10.642 Ha, Reclaimed-rehabilitated: Nil, Used for waste disposal: 2.143 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 4.98 Ha, Used for any other purpose (specify) Green belt: 1.41 Ha	Nil
9d	Scrutiny of Annual return on afforestation	Number of saplings planted during the year was 7958 nos	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing Stock of ROM is Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex-Mine price is Rs 235.24 per tonne.	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets is Rs 1829708213	Nil
9k	Scrutiny of Annual return on mining Machineries	Backhoe 5nos; Dumper 16 nos, Dozer 1No; Wheel Loader 1No; Rock drill 3 nos etc.	Nil

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on
MCDR17	Rule 45(7)		
MCDR17	Rule 11(1)		

Date :

(SUDIP RANJAN MAZUMDAR)
Indian Bureau of Mines