

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

Mine code: 38MPR419003

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist, IBM, Jabalpur
(iii)	Accompanying mine official with Designation	:	Shri Yogesh Dashora, Mines Manager
(iv)	Date of Inspection	:	06.4.2024
(v)	Previous Inspection date	:	Nil

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Nayagaon-Chenpura Limestone Mine
	(b)	Registration Number	:	IBM/418/2011
	(c)	Category	:	A
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Neemuch
		Village	:	Nayagaon & Chenpura
		Taluka	:	Jawad & Neemuch
		Post Office	:	Nayagaon
		Pin code	:	458468
		Fax	:	NA
		email	:	mines.nbh@jkcement.com
		Phone No	:	9844890140
	(f)	Police Station	:	Bagana police station, Neemuch, Dist-Neemuch
	(g)	First Opening date	:	25.9.2023
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	206.354 Ha
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	3.12.2070
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	M/s J K Cement Works (Prop.: J. K. Cement Ltd. Kanpur) Kamla Tower, Kanpur (UP). Mobile No- 9335014929 Email: ak.saraogi@jkcement.com
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Ajay Kumar Saraogi J.K. Cement Ltd Kamla Tower, Kanpur (U.P.) 208001 Mobile: 9335014929 Email: ak.saraogi@jkcement.com Date of appointment : 17.06.2020
		Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Manish Toshniwal J K Cement Works, Kailash Nagar, Nimbahera (Raj.) Mobile: 9844890005 Email: manish.toshniwal@jkcement.com Date of appointment : 23.09.2023

I/29643/2024

	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Yogesh Dashora J K Cement Works, Kailash Nagar, Nimbahera (Raj.) Mobile-9799478666 Email: yogesh.dashora@jkcement.com Date of appointment : 25.9.2023
	Mining Engineer Name Qualification Date of Appointment	:	Shri Yogesh Dashora Diploma in Mining & FCC (R) Date of appointment : 25.9.2023
	Geologist Name Qualification, Date of Appointment	:	Shri Vikas Sharma M. Sc. (Geology) Date of appointment : 25.9.2023
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	Mining Plan approved vide letter no MP/Neemuch/Limestone/MPLN/G-10/2020-21, Jabalpur dated 10/11/2020 Proposal period: 5 years from the date of registration i.e. 04/12/2020

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS**1. Exploration:**

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	First Year (2020-21) to Fifth Year (2024-25) : 37 Boreholes	Nil. The mine was not in operation from 2020-21 to 2022-23.	Date of execution of lease deed is 03/12/2020. Form-C has been submitted in which date of opening of the mine mentioned is 25.09.23.
1b	Exploration over lease area for Geological axis 1 or 2 (2023-24)	Exploration for 37 no's of boreholes have been proposed from First Year (2020-21) to Fifth Year (2024-25).	During the first four years from 2020-21 to 2023-24, no exploration has been carried out.	Deviation has been pointed out to lessee in form of violation letter.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Nil	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Balance G2 area of 70.74 Ha to be explored to G1 from First Year (2020-21) to Fifth Year (2024-25).	Nil	Nil
1e	Balance reserves as on 01.04.2024	<u>Reserve:</u> 101.34 MT <u>Resource:</u> 32.99 MT <u>Total:</u> 134.33 MT (As per approved Mining Plan date :10.11.2020)	<u>Reserve:</u> 101.33 MT <u>Resource:</u> 32.99 MT <u>Total:</u> 134.32 MT <u>(Depletion 2023-24 : 35.36 Tons)</u>	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	Date of execution of lease deed is 03/12/2020. The mine was not in operation from 2020-21 to 2022-23. Form-C has been submitted in which date of opening of the mine mentioned is 25.09.23. During the first four years from 2020-21 to 2023-24, no exploration has been carried out. Deviation has been pointed out to lessee in form of violation letter.		

2. Development (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	E-476735 to W-476445 N-2713561 to S-2713268	E-476716 to W-476701 N-2713004 to S-2712979	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	In 2023-24, Separate benches in topsoil overburden and mineral	In 2023-24, only a single bench in mineral has been developed.	Nil
2c	Stripping ratio or ore to	1:0.02	Nil	Nil

I/29643/2024

	OB ratio			
2d	Quantity of topsoil generation in m3	17483 cum	Nil	Deviation has been pointed out to lessee in form of violation letter.
2e	Quantity of overburden generation in m3	Not proposed	Nil	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is less than proposal. Deviation has been pointed out to lessee in form of violation letter.		

3. Exploitation FY (2023-24)

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One pit	One pit	Nil
3b	Quantity of ROM mineral production proposed	1034670.00 tones	35.36 tones	Deviation has been pointed out to lessee in form of violation letter.
3c	Recovery of Salable/usable minerals from ROM production	362135.00 tones	35.36 tones	Deviation has been pointed out to lessee in form of violation letter.
3d	Quantity of mineral reject generation	Not Proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	
3f	Quantity of sub-grade mineral generation	672535.00 tones	Nil	Deviation has been pointed out to lessee in form of violation letter.
3g	Grade of sub-grade mineral generation	CaO >34 to less than equal to 44, MgO < 4.5%	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Not Proposed	Nil	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	<u>Burden</u> -3m, <u>Spacing</u> -3.5 depth-6m, <u>Blasting</u> -charge / hole cap & Non cap, PF-10	<u>Burden</u> -3m, <u>Spacing</u> -3.5 depth-6m, <u>Blasting</u> -charge / hole cap & Non cap, PF-10	Nil
3k	Provision of mining machineries in mineral benches	Using Hyd. Excavator, Drill machine and Tipper.	Using Hyd. Excavator, Drill machine and Tipper.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	<u>Overburden</u> : No proposal <u>Limestone</u> : Yes	<u>Overburden</u> : Not applicable <u>Limestone</u> : Yes	Nil
3m	Total area covered under excavation /pits (Ha.)	2.91 Ha (Total-7.856 ha)	0.0132 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.02	Nil	Nil
3o	Total area put in use under different heads at the end of year	Pit area: 2.91 Ha Mineral Reject: 3.699 Ha Plantation area: 0.80 Ha	Pit area: 0.0132 Ha Plantation area: 3.50 Ha	Nil
3p	Production of ROM mineral during last five-	2020-21	204341.00 t	Nil
		2021-22	509833.00 t	Nil

Deviation for less production during

I/29643/2024

	years period, as applicable	2022-23	808255.00 t	Nil	2023-24 has been pointed out to lessee in form of violation letter.
		2023-24	1034670.00 t	35.36 tones	
3q	General remarks of inspecting officer on method of mining etc.	Exploitation of mineral was thus less than proposed. Deviation for less production during 2023-24 has been pointed out to lessee in form of violation letter.			

4. Solid Waste Management-Dumping (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	<u>Topsoil</u> : Proposed <u>Subgrade</u> : Proposed	<u>Topsoil</u> : No dump <u>Subgrade</u> : No stack	Deviation has been pointed out to lessee in form of violation letter for no generation of top soil and subgrade material.
4b	Location of topsoil, OB & mineral reject dumps	<u>Topsoil</u> : E-476280 to W-476188 N-2713244 to S-2713175 <u>Subgrade</u> E-476177 to W-475940 N-2716019 to 2715744	<u>Topsoil</u> : Not generated <u>Subgrade</u> : Not generated	
4c	Number of Dumps within lease area and outside lease area	<u>Within lease area</u> : Mineral reject stacks: 1nos <u>Outside lease area</u> : No proposal	<u>Within lease area</u> : <u>Subgrade</u> : Not generated. <u>Outside lease area</u> : Not applicable	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside ultimate pit limit	No dumps have been created.	
4e	Number of Active & Alive dumps	Two dumps (Soil dump and subgrade dump)	No dumps have been created.	
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	Retaining wall: Yes Garland drain: Yes	Retaining wall: No dumps Garland: - Yes	Nil
4i	Length of Retaining wall or garland drain all along dump	Retaining wall: 471m Garland drain: 466m	Retaining wall: Nil Garland: 100m	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Compliance for solid waste management is less than proposed. Deviation has been pointed out to lessee in form of violation letter for no generation of top soil and subgrade material.		

5. Solid Waste Management-Backfilling (2023-24)

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	There was no proposal for backfilling as the mine is not yet matured for reclamation by backfilling.		

6. Progressive Mine Closure Plan (2023-24)

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 Bureau of Mines, before 1st day of July report every year	Yet to submit PMCP return along with annual return on or before 31.06.2024.	Nil
6b	Area available for rehabilitation (Ha)	Not Proposed	Nil	Nil
6c	Afforestation done (ha)	0.80 ha	3.50 ha	Nil
6d	No. of saplings planted during the year	1143 nos.	4522 nos.	Nil
6e	Cumulative no. of plants	4572 nos.	4522 nos.	Nil
6f	Any other specific method of rehabilitation	No proposal	Not applicable	Nil
6g	Cost incurred on watch & care during the year	Rs. 1,20,000.00	Rs. 3,15,000.00	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	1143 nos.	4522 nos.	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	0.80 Ha	3.50 Ha	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of Environment monitoring (core zone & buffer zone)	Quarterly monitoring of Ambient Air Quality and water quality monitoring for the month.	Quarterly monitoring of Ambient Air Quality & water quality monitoring complied on 4.3.2024.	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP proposals have been complied.		

7. Mineral Conservation (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch	ROM mineral dispatch	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	Nil

I/29643/2024

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	There is no beneficiation facilities within lease area.		

8. Environment (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate removal and dumping of top soil have been proposed.	Nil. There was no generation of top soil and deviation has been pointed to lessee in form of violation letter.	Nil
8b	Concurrent use or storage of topsoil	Storage of topsoil proposed	Nil. There was no generation of top soil.	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dumps for top soil and subgrade have been proposed.	Nil. There was no generation of top soil and subgrade. Deviation has been pointed to lessee in form of violation letter.	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)	1143 nos. 0.80 Ha.	4522 nos. 3.50 Ha.	Nil
8g	Survival rate	Not Proposed	90%	Nil
8h	Water sprinkling on roads to control airborne dust	Regular sprinkling of water on roads.	Regular sprinkling of water on roads is done.	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 (2023-24)

S.No	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return up to March 2024 have been submitted. Form-C has been submitted in which date of opening of the mine mentioned is 25.09.23.	Annual return for 2023-24 is yet to be submitted on or before 30.06.2024.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Mines Manager have been appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	<u>Pit area:</u> 0.0132 Ha	
9d	Scrutiny of Annual return on afforestation	<u>No. of trees planted:</u> 4522	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Nil	
9i	Scrutiny of Annual return on Fixed assets	Nil	
9k	Scrutiny of Annual return on mining Machineries	Shovel-1, Tipper-2 & Drilling-1	

I/29643/2024

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

Date :

(SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines