

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

Mine code: 38MPR18037

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Kumar Shyamal Kishor, HoD of Mines & Shri Arvind Kumar Tamrakar, Geologist.
(iv)	Date of Inspection	:	07.10.2024

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	JAMUWANI KALAN-II
	(b)	Registration Number	:	IBM/1171/2011
	(c)	Category	:	"A" Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address		
		State	:	Madhya Pradesh
		District	:	Katni
		Village	:	Jamuwani Kalan
		Taluka	:	Vijayraghavgarh
		Post Office	:	Jamuwani Kala
		Pin code	:	483880
		Fax	:	--
		email	:	snsmhr@gmail.com
		Phone No	:	--
	(f)	Police Station	:	Kymore
	(g)	First Opening date	:	NA
	(h)	Weekly day of rest	:	Sunday
2	Address for Correspondence			
3	(a)	Lease Area	:	8.584 ha.
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	22.09.2025
4	Mineral Worked (Main)		:	Limestone
5	Name of address of the Lessee with Phone, email and fax number		:	M/s S.N.S. (Minerals) Private Limited Address : Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. – Maihar (MP), Phone no. 8435802174 Email : sns mhr@gmail.com
	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment		:	Shri Shatrughan Prasad Tiwari Add.- S.N.S. (Minerals) Pvt. Ltd., Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. – Maihar (MP), Phone no. 8435802174 Email : sns mhr@gmail.com, Date of Appointment: 20.07.2021
	Name of address of the Agent with Phone, email, fax number and Date of appointment		:	Shri Shatrughan Prasad Tiwari Add.- S.N.S. (Minerals) Pvt. Ltd., Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. – Maihar (MP), Phone no. 8435802174, Email : sns mhr@gmail.com, Date of Appointment: 20.07.2021
	Name of address of the Manager with Phone, email, fax number and Date of appointment		:	Shri Kumar Shyamal Kishor, Add.- S.N.S. (Minerals) Pvt. Ltd., Sunderson House, N.H. 7, Rewa Road, Maihar, Distt. – Maihar (MP).

		Phone no. : 8435801461, Date of Appointment: 01.07.2016
	Mining Engineer Name Qualification Date of Appointment	: Shri Kumar Shyamal Kishor B.E. (Mining) 01.07.2016
	Geologist Name Qualification, Date of Appointment	: Shri Arvind Kumar Tamrakar M.Sc. Geology 10.11.2021
6	Date of approval of Mining Plan/Review of Mining Plan etc.	: Modification of Mining Plan approved vide letter no. MP/Katni/Limestone/MPLN/MOD-32/2021-22 Jabalpur dated 11/02/2022 for the proposal period 2021-22 to 2024-25

PART- II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration: (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	2022-23: 7 Bhs	2022-23: 7 Bhs	Nil
1b	Exploration over lease area for Geological axis 1 or 2	Not proposed	Nil	Nil
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.	Not proposed	Entire mining lease area has been explored in G1 Level of Exploration	Nil
1e	Balance reserves as on 01.04.2024	At the beginning of the year 1.4.2023, reserve was 1229467 tones	Depletion during the year was 199500 tones. Balance reserves as on 31.03.2024 is 1029967 tones	Data as furnished in annual return for 2023-24
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire mining lease area has been explored in G1 Level of Exploration		

Development (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit Id: Q1	Pit Id: Q1	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Maintained	Nil
2c	Stripping ratio or ore to OB ratio	1 : 0.11	1 : 0.19	Nil
2d	Quantity of topsoil generation in m3	9000 m ³	8950 m ³	Nil
2e	Quantity of overburden generation in m3	5800 m ³	26695 m ³	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development carried out in Pit Q1 as proposed.		

Exploitation FY (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01 No	01 No	Nil
3b	Quantity of ROM mineral production proposed	249732 tones	199500 tones	Nil
3c	Recovery of Salable/usable minerals from ROM production	199786 tones	199500 tones	Nil
3d	Quantity of mineral reject generation	49946 tones	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Threshold Value: CaO- 34% (Min.) and MgO-5% (Max.)	Threshold Value: CaO- 34% (Min.) and MgO- 5% (Max.)	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	Yes	Yes	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yes	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.)	3.87 Ha	3.65 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.11	1 : 0.19	Nil
3o	Total area put in use under different heads at the end of year	4.63 Ha	4.56 Ha	Nil
3p	General remarks of inspecting officer on method of mining etc.	Open cast mining method in practice.		

Solid Waste Management-Dumping (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Not Proposed	NIL	Nil
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	NIL	Nil
4c	Number of Dumps within lease area and outside lease area	02 Nos	02 Nos	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of Active & Alive dumps	02 Nos	02 Nos	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	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Nil	Nil
4j	Number of settling ponds	Not proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	There was no proposal for waste dumping.		

Solid Waste Management-Backfilling (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Yes	Yes	Nil
5b	Area under backfilling of mined out area	0.55 Ha	0.55 Ha	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Proposed	Carried out	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	0.55 Ha	0.55 Ha	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling of waste done as proposed.		

Progressive Mine Closure Plan (2023-24)

S. No	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and Correctly-Rule	The holder of mining lease shall submit to the	PMCP report has been submitted timely	Nil

	23E (2). Details should be given in the format as given in Annexure-20	competent authority a report as per the format specified by the Indian Bureau of Mines, before 1 st day of July report every year		
6b	Area available for rehabilitation (Ha)	0.55 Ha	0.55 Ha	Nil
6c	Afforestation done (ha)	0.55 Ha	0.55 Ha	Nil
6d	No. of saplings planted during the year	420 nos	1500 nos	Nil
6e	Cumulative no. of plants	Not proposed	4185 nos	Nil
6f	Any other specific method of rehabilitation	Not proposed	Nil	Nil
6g	Cost incurred on watch & care during the year	Not proposed	Rs. 10,00,000/-	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	0.55 Ha	0.55 Ha	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	5800 cum	26695 cum	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	0.55 Ha	0.55 Ha	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	PMCP Report has been submitted timely		

Mineral Conservation (2023-24)

S. No	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral	ROM mineral	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	Not proposed	Cement Grade	Nil
7d	Any beneficiation process at mines	Not proposed	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral in dispatch		

Environment (2023-24)

S. No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	Carried out	Nil
8b	Concurrent use or storage of topsoil	Proposed	Carried out	Nil

8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	As per proposal.	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Proposed	Carried out	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	Carried out	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed 420 nos	1500 saplings planted	Nil
8g	Survival rate	Not proposed	85 %	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		

Compliance of Rule 45 (2023-24)

S. No	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual Return for the year 2023-24 has been submitted	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: 3.65 Ha, Used for waste disposal: 0.150 Ha etc.	Nil
9d	Scrutiny of Annual return on afforestation	Number of trees planted inside the mine during the year 1500 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	Cost of Production is Rs. 358.35 per tonne	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets is Rs 3457151	Nil
9k	Scrutiny of Annual return on mining Machineries	Backhoe: 2Nos, Dumper: 5 Nos, Rock Drill: 1 No 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
NIL			

Date:

(SUDIP RANJAN MAZUMDAR)
Indian Bureau of Mines