

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

Mine code: 38MPR33003

(i)	Name of Inspecting officer	:	Shri Kathorju Naveen
(ii)	Designation	:	Sr Assistant Controller of Mines
(iii)	Accompanying mine official with Designation	:	SK Sharma (VP & Agent-Mines), SK Mahapatra (Sr.GM-Mines), Manoj Sharma (Geologist), RP Singh (Surveyor)
(iv)	Date of Inspection	:	09/07/2024
(v)	Previous Inspection date	:	09/02/2024

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	NAUBASTA LIMESTONE MINES
	(b)	Registration Number	:	IBM/720/2011
	(c)	Category	:	A
	(d)	Type of Working	:	Open-cast
	(e)	Postal address	:	
		State	:	MADHYA PRADESH
		District	:	REWA
		Village	:	NAUBASTA KACHUR
		Taluka	:	HUZUR
		Post Office	:	JAYPEE NAGAR
		Pin code	:	486450
		Fax	:	07662229218
		email	:	jrp.mines@jalindia.co.in
		Phone No	:	07662400700
	(f)	Police Station	:	NAUBASTA
	(g)	First Opening date	:	09/08/1984
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	M/s. JAI PRAKASH ASSOCIATES LIMITED JAYPEE NAGAR REWA, MADHYAPRADESH
3	(a)	Lease Area	:	460.310 Hectares
	(b)	Period of lease	:	20 years
	(c)	Date of Expiry	:	07/08/2024
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	M/s. JAIPRAKASH ASSOCIATES LIMITED Phone no – 07662400700 jrp.mines@jalindia.co.in Fax- 01204609464
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Manoj Gaur, M/s. JAIPRAKASH ASSOCIATES LIMITED Phone no – 07662400700 jrp.mines@jalindia.co.in Fax- 01204609464
		Name of address of the Agent with Phone,	:	Shri. S. K. Sharma

	email, fax number and Date of appointment		Phone No – 07662400700 e-mail – satyak.sharma@jalindia.co.in Date of appointment – 30/11/2021
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri. Anand Mishra Phone No – 07662400700 e-mail – Jrp.mines@jalindia.co.in Date of appointment – 12/06/2021
	Mining Engineer Name Qualification Date of Appointment	:	Shri. M. P. Shukla Diploma in Mining Date of appointment - 04/05/2022
	Geologist Name Qualification, Date of Appointment	:	Shri. Manoj sharma M.Sc. Applied Geology Date of appointment – 10/03/2023
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	13/05/2024

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	0	0	
1b	Exploration over lease area for Geological axis 1 or 2	G1	G1	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2024	24538142 T	31156051 T	
1f	General remarks of Inspecting officer on geology, exploration etc.	In 2022-23, there was no proposal for exploration, Entire ML area has been explored in G1 level of exploration.		

Development (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development of lease area w.r.t.	N2716950 to N2717231 and E519058 to E519417 for north block. N2715243 to N271516 and E519373 to E519631 for south block.	N2716950 to N2717231 and E519058 to E519417 for north block. N2715243 to N271516 and E519373 to E519631 for south block.	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	2	2	

2c	Stripping ratio or ore to OB ratio	1:0.22	1:0.10	
2d	Quantity of topsoil generation in m3	0	0	
2e	Quantity of overburden generation in m3	141293	91269	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

Exploitation FY 2023-24

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1035888	972736	
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	
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	Not proposed	NIL	
3g	Grade of sub-grade mineral generation	Not proposed	NIL	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
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	Drilling and Blasting is proposed.	Drilling and Blasting is done in mineral bench.	
3k	Provision of mining machineries in mineral benches	Use of Mining machinery is proposed.	Use of Mining machinery is done in mineral bench.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation /pits (Ha.)	357.75	198.622	
3n	Ore to OB ratio for the pit/mine during the year	1:058	1:0.1	

3o	Total area put in use under different heads at the end of year	Area under mining	215.124	Mining	198.6220	
		Total area put in use	Nil	Total area put in use	217.05	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	1473685	2018-19	696670	
		2019-20	889823	2019-20	254438	
		2020-21	1458920	2020-21	356591	
		2021-22	1167674	2021-22	412672	
		2022-23	939553	2022-23	352512	
		2023-24	1035888	2023-24	972736	
3q	General remarks of inspecting officer on method of mining etc.					

Solid Waste Management-Dumping (FY2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, OB & mineral reject is proposed.	Separate dumping of topsoil, OB & mineral reject is being carried out as per proposal.	
4b	Location of topsoil, OB & mineral reject dumps	Dump Location (South Block) 24° 33' 16.41"N 81° 11' 25.84"E to 24° 33' 17.19" N 81° 11' 23.33" E	Existing dump location (South Block) 24° 33' 16.41"N 81° 11' 25.84"E to 24° 33' 17.19" N 81° 11' 23.33" E	
4c	Number of Dumps within lease area and outside lease area	01 nos. within lease area.	01 nos. within lease area.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Dump Location (South Block) 24° 33' 16.41"N 81° 11' 25.84"E to 24° 33' 17.19" N 81° 11' 23.33" E	Existing dump location (South Block) 24° 33' 16.41"N 81° 11' 25.84"E to 24° 33' 17.19" N 81° 11' 23.33" E	
4e	Number of Active & Alive dumps	1	1	
4f	Number of dead dumps	0	0	
4g	Number of dumps established	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	As per proposal.	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling	Nil	Nil	

	ponds			
4k	Specific comments of inspecting officer on waste dump management			

Solid Waste Management-Backfilling (FY 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	Pit is not completely mined out for backfilling.	
5b	Area under backfilling of mined out area	0.43 Ha.	Nil.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes.	As per the proposal	
5d	Total area fully reclaimed & rehabilitated (Ha)	174.5	173.334	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

Progressive Mine Closure Plan (FY 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	Annual report on PMCP submitted.	PMCP return is submitted.	
6b	Area available for rehabilitation (Ha)	Not proposed	Nil	
6c	Afforestation done (ha)	1.2	0.4	
6d	No. of saplings planted during the year	3000	1000	
6e	Cumulative no. of plants	197333	194333	
6f	Any other specific method of rehabilitation	No	No	
6g	Cost incurred on watch & care during the year	150776 INR	150776 INR	
6h	Compliance on reclamation and rehabilitation by backfilling	0.27	Nil	

	(i) Voids available for backfilling (L X B X D).			
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	1.2	0.4	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No	No	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Yes	Nil	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Yes	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Yes	Nil	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Complied.	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

Mineral Conservation (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Rom dispatch proposed	Produced Rom is being dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	NA	
7c	Different grade of mineral sort out at mine	Not proposed	NA	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

Environment (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate removal and utilization of top soil is proposed.	Separate removal and utilization of topsoil has been carried out as per proposal.	
8b	Concurrent use or storage of topsoil	Top soil will be spread over backfilled area.	Utilizing for plantation	
8c	Separate dumps for overburden waste	Separate dumps for	Separate dumps for	

	rock, rejects and fines (Rule 33)	overburden waste rock are proposed.	overburden waste rock are maintained.	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Overburden, waste rock generated during the year will be used for back filling purpose.	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling area – 0.43 Plantation area – 1.2	Backfilling area – 0Ha. Plantation area – 0.4 Ha.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Existing plantation area – 1.2 Additional plantation area during the year – 0 Ha.	Existing plantation area – 0.4 Additional plantation area during the year – 0 Ha.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed.	As per the proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

Compliance of Rule 45 (2023-24)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return & Annual Return submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Shri M. P. Shukla Geologist - Shri. Manoj sharma	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i) Already exploited & abandoned by ii) Opencast (O/C) mining 176.082 ha. iii) Covered under current (O/C) Workings = 22.540 ha. iv) Reclaimed & rehabilitated 173.334 ha v) (iv) Used for waste disposal 1.50 ha. vi) (v) Occupied by plant, buildings, residential, welfare buildings & roads : 18.430 ha.	
9d	Scrutiny of Annual return on afforestation	(i) Number of trees planted during the year 1000 nos	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	NIL	
9f	Scrutiny of Annual return on ROM		

	stock and/or grade ore	Closing Stock as on 31.03.2024 reported as Nil			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Production cost : Rs. 290.086 Ex mine price Rs. 290.086			
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets (in ₹) 56,48,83,898/-			
9k	Scrutiny of Annual return on mining Machineries	S. No	MACHINERY	CAPACITY	NO. OF UNITS
		1	Shovel	2.10 Cum	2
		2	Shovel	3.10 Cum	2
		3	Dumper	25.00 Tonne	4
		4	Dumper	55.00 Tonne	1
		5	Rock Drill (Non Elec.)	150 mm	1
		6	Dumper	35.00 T	1