

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

Mine code:38MPR33029

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

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	BANKUIYAN LIMESTONE MINE
	(b)	Registration Number	:	IBM/720/2011
	(c)	Category	:	A
	(d)	Type of Working	:	Open-cast
	(e)	Postal address	:	
		State	:	MADHYA PRADESH
		District	:	REWA
		Village	:	MARHA
		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	:	26/12/2005	
(h)	Weekly day of rest	:	Sunday	
2	Address for Correspondence		:	M/s. JAI PRAKASH ASSOCIATES LIMITED JAYPEE NAGAR REWA, MADHYAPRADESH
3	(a)	Lease Area	:	54.613 Hectares
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	31/12/2054
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, email, fax number and Date of appointment	:	Shri. S. K. Sharma 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. SK MAHAPATRA Phone No – 07662400700 e-mail – Jrp.mines@jalindia.co.in Date of appointment – 1/11/2017
	Mining Engineer Name Qualification Date of Appointment	:	Shri. BAJRANG SRIVAS BE in Mining Date of appointment - 01/07/2016
	Geologist Name Qualification, Date of Appointment	:	Shri BIPLAB KUMAR BANERJEE M.Sc. Geology Date of appointment – 2/01/2021
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	25/06/2021

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration:

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Not Available	
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	Nil	
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Entire Lease Area proposed under G1 level	Explored under G1 level	
1e	Balance reserves as on 01.04.2024	31,91,093 T	37,20,704.00 T	
1f	General remarks of Inspecting officer on geology, exploration etc.	The lease area has been explored under G1 level		

2. Development (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N2722694 to N2723110 and E5119461 to E519686.	The deviation in the proposed location observed.	Violation is pointed out under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	As per the proposal	
2c	Stripping ratio or ore to OB ratio	1:0.17	1:0.098	
2d	Quantity of topsoil generation in m3	34802	6350	

2e	Quantity of overburden generation in m3	104406	8873	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Waste quantity has not been produced as proposed against which the violation is pointed out under Rule 11(1).		

3. 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	620043	90432	
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	
3f	Quantity of sub-grade mineral generation	NIL	NIL	
3g	Grade of sub-grade mineral generation	NIL	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.)	27.64	14.070	
3n	Ore to OB ratio for the pit/mine during the year	1:017	1:0.098	
3o	Total area put in use	Area	27.64	14.070

	under different heads at the end of year	under mining		Mining		
		Total area put in use	30.37	Total area put in use	17.97	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	605250	2019-20	581922	
		2020-21	602000	2020-21	371106	
		2021-22	602075	2021-22	349020	
		2022-23	540925	2022-23	40824.	
		2023-24	620043	2023-24	90432	
3q	General remarks of inspecting officer on method of mining etc.	Against the proposed 620043 T only 90432 T for which the violation is pointed out under Rule 11(1).				

4. 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	Nil	NIL	
4c	Number of Dumps within lease area and outside lease area	Nil	NIL	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of Active & Alive dumps	Nil	Nil	
4f	Number of dead dumps	0	0	
4g	Number of dumps established	Nil	Nil	
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	100 m	As per proposal	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	Waste quantity has not been handled as proposed for which the violation is pointed out under Rule 11(1).		

5. 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	Pit is not completely mined out for backfilling.	Pit is not completely mined out for backfilling.	
5b	Area under backfilling of mined out area	0.6142 Ha.	0.1470 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Yes.	Nil.	
5d	Total area fully reclaimed & rehabilitated (Ha)	22.97	1.9	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not been carried out against which the violation is pointed out under Rule 11(1).		

6. 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)	Nil	Nil	
6c	Afforestation done (ha)	1.25	0.2	
6d	No. of saplings planted during the year	2400	100	Plantation has not been done as proposed against which the violation is pointed out under Rule 11(1).
6e	Cumulative no. of plants	9000	6700	
6f	Any other specific method of rehabilitation	No	No	
6g	Cost incurred on watch & care during the year	160776 INR	14000INR	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	0.6142	0.1470	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not proposed	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling	0.7	0.2	

	(iii) Afforestation on the backfilled area.			
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not proposed	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	Not carried out	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Proposed 1000 saplings per annum	Reportedly only 100 saplings planted	
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	Plantation has not been done as proposed against which the violation is pointed out under Rule 11(1).		

6.Mineral Conservation (FY 2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Proposed ROM dispatch	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	The produced ROM is being dispatched to the captive cement plant.		

8. 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	For plantation	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Generated waste is proposed for backfilling	Waste is being used for backfilling.	
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	Waste is being used for backfilling.	

		purpose.		
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling area – 0.6142 Plantation area – 0.7	Backfilling area – 0.1470Ha. Plantation area – 0.2 Ha.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Existing plantation area – 3.2 Additional plantation area during the year – 0.7 Ha.	Existing plantation area – 1.9 Additional plantation area during the year – 0.2Ha.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed.	Water sprinkling on roads has been carried out to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plantation has not been done as proposed against which the violation is pointed out under Rule 11(1).		

9. Compliance of Rule 45 (2022-23)

S.N.	Item	Comments	Remarks		
9a	Status of submission of monthly and Annual returns	Submitted on time.			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri. Bajrang Srivas Geologist: Shri Biplab Kumar Banerjee			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O/C) Workings = 14.070 ha. (ii) (vii) Work done under progressive mine closure plan during the year: 1.90 ha. (iii) Occupied by plant, buildings, residential, welfare buildings & roads : 2.00 ha.			
9d	Scrutiny of Annual return on afforestation	No of saplings planted within the area 100 Survival rate 90%.			
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 stock reported.			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex Mine price reported: 295.24/- Cost of production reported: 295.24/-			
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* ₹ 56,48,83,898/-			
9k	Scrutiny of Annual return on mining Machineries	Equipment	Capacity	No of units	--
		Shovel	1.2 cu.m	01	---
		Dumper	18.00 T	05	--

		Rock Drill	100 mm	01	--
		Air Compressor	100 Cum/Mn	01	--

Surveyor

Geologist

Mines Manager