

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

Mine code: 38MPR35358

(i)	Name of Inspecting officer	:	Shri Kathroju Naveen
(ii)	Designation	:	Sr. Assistant Controller of Mines
(iii)	Accompanying mine official with Designation	:	Dharmendra Kumar Singh, Mines Manager Amit Biswas- Geologist Sunil Kumar Upadhayay, Geologist Santosh kumar, Geologist
(iv)	Date of Inspection	:	17.01.2025
(v)	Previous Inspection date	:	02.11.2023

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Chulhi-Majhiyar Limestone Mines
	(b)	Registration Number	:	IBM/267/2011 38MPR35358
	(c)	Category	:	Opencast fully mechanized Category A mine
	(d)	Type of Working	:	Mechanized
	(e)	Postal address	:	Chulhi Majhiyar Limestone Mine, M/s- Prism Johnson Limited, Vi-Mankahari Po-Bathia, Rampur Baghelan, District: Satna, State: Madhya Pradesh, Pin- 485111. Phone- 07672-275301/02, 275621/22 Fax-07672-275303
		State	:	Madhya Pradesh
		District	:	Satna
		Village	:	Chulhi Majhiyar
		Taluka	:	Kotar
		Post Office	:	Malgaon
		Pin code	:	485111
		Fax	:	07672275300
		email	:	registered.office@prismjohnson.in
		Phone No	:	07672432600
	(f)	Police Station	:	Kolgawa
	(g)	First Opening date	:	07.12.2021
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	Rajdeep, Rewa road, Satna, MP, 485001 Telephone 07672-432600
3	(a)	Lease Area	:	176.619 hectares
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	03.11.2069
4		Mineral Worked (Main)	:	Limestone

5	Name of address of the Lessee with Phone, email and fax number	:	Prism Cement Limestone Mines of M/s Prism Johnson Limited Rajdeep, Rewa road, Satna, MP, 485001 Telephone 07672-432600 Email: registered.office@prismjohnson.in Fax: 07672 – 275303
	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Raakesh Jain, Executive Director-Cement Division, Prism Johnson Limited, Flat No 205 Kalpataru Imperia Sanjog Chs Phirozshah Mehta Road Santaxruz West Mumbai, Mumbai, Pin-400054 Telephone 07662432600 email- raakesh.jain@prismjohnson.in Date of appointment - 17.08.2024
	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Vinod Shrivastava, Agent & VP Mines & MRM M/S Prism Johnson Limited Rajdeep, Rewa road, Satna, MP, 485001 Telephone 9584464612 email- vinod.shrivastava@prismjohnson.in Date of appointment – 20.10.2020
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Dharmendra Kumar Singh, Mines Manager M/S Prism Johnson Limited Rajdeep, Rewa road, Satna, MP, 485001 Telephone 9589085700 email- dharmendra.singh@prismjohnson.in Date of appointment – 10.11.2022
	Mining Engineer Name Qualification Date of Appointment	:	Dharmendra Kumar Singh Diploma Mining Date of appointment – 10.11.2022
	Geologist Name Qualification, Date of Appointment	:	Santosh Kumar M.Tech (Applied Geology) 12-06-2021
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	No. E 8818 MCDR-MPC0LST/48/2023-JBP-IBM_RO_JBP Dated 07.02.2024

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration:

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed	NA	Only 13 out of the 19 proposed core drilling boreholes drilled in the year 2023-24 Against which the Violation is pointed out under Rule 11(1).
1b	Exploration over lease area for Geological axis 1 or 2	19	13	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Prism Johnson Limited	Prism Johnson Limited	

1d	Balance area to be explored to bring the Geological axis in 1 or 2.	109.932	54.619	
1e	Balance reserves as on 01.04.2024	26805557 tones	26805557 tones	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved Mining plan dated 17/02/2024 the reserve available as on were 26805557. Only 13 out of the 19 proposed core drilling boreholes drilled in the year 2023-24 Against which the Violation is pointed out under Rule 11(1).		

Development (2023-24)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area			
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Top soil, overburden and mineral is being benched Separately.	
2c	Stripping ratio or ore to OB ratio	1:0.34	1:0.93	
2d	Quantity of topsoil generation in m3	33332 m3	4836.9 m3	
2e	Quantity of overburden generation in m3	107356 m3	27409.1 m3	Violation pointed out under Rule 11(1).
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Top soil has not been generated 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	03	01	Pit No. 02,
3b	Quantity of ROM mineral production proposed	500000 Tones	34500 Tones	Production has not been carried out as proposed against which the violation is pointed out under Rule 11(1).
3c	Recovery of Salable/ usable minerals from ROM production	500000 Tones	34500 Tones	
3d	Quantity of mineral reject generation	0	0	

3e	Grade of mineral reject generation and threshold value declared	CaO content more than 34% and MgO content less Than 5.5%.		CaO content more than 34% and MgO content less than 5.5%.	
3f	Quantity of sub-grade mineral generation	0		0	
3g	Grade of sub-grade mineral generation	NA		NA	No sub-Grade mineral generated
3h	Manual/Mechanized method adopted for segregation from ROM	No		No	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No		No	
3j	Provision of drilling & blasting in mineral benches	DTH		DTH	
3k	Provision of mining machineries in mineral benches	Yes		Yes	
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.)	3.33 Hectare		1.113 Hectare	The deviation in the area is due to backlog in development against which the violation is pointed out under Rule 11(1).
3n	Ore to OB ratio for the pit/mine during the year	1:0.34		1:0.93	
3o	Total area put in use under different heads at the end of year	4.07		2.56 Hectare	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	2700000	0	Violation is pointed out under Rule 11(1).
		2020-21	300000	0	
		2021-22	200000	0	
		2022-23	500000	86864	
		2023-24	500000	34500	
3q	General remarks of inspecting officer on method of mining etc.	Production has not been carried out as proposed against 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)	Not proposed	NA	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	NA	
4c	Number of Dumps within lease area and outside lease area	Not proposed	NA	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of Active & Alive dumps	Not proposed	NA	
4f	Number of dead dumps	Not proposed	NA	
4g	Number of dumps established	Not proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	Not proposed for the RY
4j	Number of settling ponds	Not proposed	NA	
4k	Specific comments of inspecting officer on waste dump management	The waste generate during the reporting year is proposed for backfilling hence no proposal for dumps available.		

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	Yes	Yes	Backfilling has not been carried out as proposed against which the violation is

5b	Area under backfilling of mined out area	0.956 Hect.	0.532 Hect	pointed out under Rule 11(1).
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Spreading over on top of backfilling area.	Spreading over on top of backfilling area.	
5d	Total area fully reclaimed & rehabilitated (Ha)	Not proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has not been carried out as proposed 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	Yes	Submitted	
6b	Area available for rehabilitation (Ha)	3.0260 Ha	0.532 Ha	
6c	Afforestation done (ha)	3.0260 Ha	0.532 Ha	
6d	No. of saplings planted during the year	1000 Nos	1500 Nos	
6e	Cumulative no. of plants	NA	3000 Nos	
6f	Any other specific method of rehabilitation	Not proposed	NA	
6g	Cost incurred on watch & care during the year	Rs 7.5 per plant	Rs. 75,562	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	3.0260 hect (447X96X10)m	0.532 Ha (165X56X10)m	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	0 hect.	0 hect.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	0.0 hect.	0.53 hect	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	-	-	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	-	-	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	0	0	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	0	0	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	0	0	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Quarterly monitoring	Monthly & Quarterly monitoring	For environmental monitoring, air, water, and noise are monitored from time to time, both internally and externally.
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Progressive mine closure plan is pursued as per the proposal		

7. 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 is proposed	As per the proposal	
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	Produced ROM Dispatch is proposed.		

8. Environment (FY 2023-24)

S. N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	As per the proposal	
8b	Concurrent use or storage of topsoil	Yes	As per the proposal	
8c	Separate dumps for overburden	Proposed	As per the proposal	

	waste rock, rejects and fines (Rule 33)	backfilling		
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Yes	Yes	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yes	Yes	
8g	Survival rate	85%	96%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water is sprayed on the roads to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	-		

9. Compliance of Rule 45 (2023-24)

S.N.	Item	Comments			Remarks
9a	Status of submission of monthly and Annual returns	Monthly Return and Annual returns submitted			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Dharmendra Kumar Singh -Mines Manager Dharmendra Kumar Singh -Mining Engineer Santosh Kumar-Geologist			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern areas are Pit – 2.017 Ha. Reclaimed – 0.532 Ha. Waste disposal – 0 Ha. Infrastructure - 0.641 Ha. Green Belt – 0.413 Ha.			As per AR
9d	Scrutiny of Annual return on afforestation	Plantation done 2500			
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			Captive use not for sale
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine Price – Rs 570.74/- Cost of Production – Rs 570.74/-			
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets ₹ 7,48,41,912/-			
9k	Scrutiny of Annual return on mining Machineries	Equipme nt	Capacity	No of Units	
		Back Hole	04	01	
		Back Hole	2.600 Cum	01	
		Dumper	25.00 T	04	
		Rock Drill	110.000 Mm	01	

Kathroju Naveen
Senior Assistant Controller of Mines