

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

Mine code: 38MPR35311

(i)	Name of Inspecting officer	:	Shri Kathroju Naveen
(ii)	Designation	:	Sr. Assistant Controller of Mines
(iii)	Accompanying mine official with Designation	:	Shri. Kousik Das, Mines Manager Shri Amit Biswas- Geologist Shri Sunil Kumar Upadhaya, Geologist
(iv)	Date of Inspection	:	27.05.2024
(v)	Previous Inspection date	:	19.02.2021

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Prism Cement Limestone Mines
	(b)	Registration Number	:	IBM/267/2011 38MPR35311
	(c)	Category	:	Opencast fully mechanized Category A mine
	(d)	Type of Working	:	Mechanized
	(e)	Postal address	:	Prism Cement Limestone Mines of M/s Prism Johnson Limited
		State	:	Madhya Pradesh
		District	:	Satna
		Village	:	Prism Cement
		Taluka	:	Rampur Baghelan
		Post Office	:	Bathiya
		Pin code	:	485111
		Fax	:	07672 – 275303
		email	:	registered.office@prismjohnson.in
		Phone No	:	07672-432600
	(f)	Police Station	:	Rampur Baghelan
	(g)	First Opening date	:	11.02.2011
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	Rajdeep, Rewa road, Satna, MP, 485001 Telephone 07672-432600
3	(a)	Lease Area	:	99.416 Ha
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	24.03.2057
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

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	Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	: Vivek K.Agnihotri Executive Director-Cement Division, Prism Johnson Limited, Rahejas 2nd Floor, Main Avenue, V.P.Road, Santacruz(W), Mumbai,Pin-400054 Telephone 07672-432600 email- Vivek.Agnihotri@prismjohnson.in Date of appointment - 17.08.2015
	Name of address of the Agent with Phone, email, fax number and Date of appointment	: Shri Vinod Shrivastava, VP Mines & MRM M/S Prism Johnson Limited Rajdeep, Rewa road, Satna, MP, 485001 Telephone 9584464612 email- vinod.shrivastava@prismjohnson.in Date of appointment – 28.09.2021
	Name of address of the Manager with Phone, email, fax number and Date of appointment	: Kousik Das, Mines Manager M/S Prism Johnson Limited Rajdeep, Rewa road, Satna, MP, 485001 Telephone 9584460385 email- kousik.das@prismjohnson.in Date of appointment – 11.04.2024 Experience :15 years
	Mining Engineer Name Qualification Date of Appointment	: Rajkumar Mishra B.E. Mining Date of appointment – 30.07.2019 Experience : 25 years
	Geologist Name Qualification, Date of Appointment	: Gyan Prakash Pandey MSc in Applied Geology from Dr harisingh Gaur university Sagar 01-01-2020 Experience: 21 years
6	Date of approval of Mining Plan/Review of Mining Plan etc.	: MP/Satna/Lst./RMP-50/2021-22 Dated 20.12.2021

Exploration

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Not Applicable.	
1b	Exploration over lease area for Geological axis 1 or 2	Proposed to bring the lease area under G1	The lease area has explored under G1 level	
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 area is proposed to bring under G1 level	The lease area has explored under G1 level	
1e	Balance reserves as on 01.04.2024	7658158 tones	7658215tones	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per the last approved Review of Mining Plan dated 20.12.2021 the balance reserves available as on 01.12.2021 are 7849287 T out of which 191072 T area produced hence balance reserves as on 01.04.2024 are 765821T.		

Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development lease area w.r.t.	Eastern Pit-Block-15 N 501440 to N 501504 E 2719528 to E 2719583 Central Pit-Block-36 N 500948 to N 501071 E 2718741 to E 2718872	Eastern Pit-Block-15 N 501443 to N 501503 E 2719507 to E 2719563 Central Pit-Block-36 N 500967 to N 501081 E 2718741 to E 2718819	The Deviation in the development of the proposed location observed against which the violation is issued under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Topsoil Bench around 2-3m and Mineral bench 9-10m	
2c	Stripping ratio or ore to OB ratio	-	-	The working in OB benches neither proposed nor carried out hence Stripping ratio not applicable.
2d	Quantity of topsoil generation in m3	9594	3125	
2e	Quantity of overburden generation in m3	0	0	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The Deviation in the development of the proposed location observed against which the violation is issued under Rule 11(1).		

Exploitation

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	02	02	Eastern Pit-Block-15 Central Pit-Block-36
3b	Quantity of ROM mineral production proposed	75000 Tonnes	74991 Tonnes	
3c	Recovery of Salable/usable minerals from ROM production	75000 Tonnes	74991 Tonnes	
3d	Quantity of mineral reject generation	0	0	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not Applicable	
3f	Quantity of sub-grade mineral generation	Not proposed	Not Applicable	
3g	Grade of sub-grade mineral generation	Not proposed	Not Applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Not proposed	Not Applicable	

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3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not Applicable		
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	Bench height in mineral is 9-10m.		
3m	Total area covered under excavation /pits (Ha.)	0.48 Hectare	0.55 Hectare		
3n	Ore to OB ratio for the pit/mine during the year	-	-	The working in OB benches neither proposed nor carried out hence ore to OB ratio not applicable.	
3o	Total area put in use under different heads at the end of year	21.444 Hectare	21.182 Hectare (0.55H- Development) (0.10 H- Plantation)		
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	75000 T	74766 T	
		2020-21	75000 T	74990 T	
		2021-22	75000 T	74754 T	
		2022-23	75000 T	74952 T	
		2023-24	75000 T	74991 T	
3q	General remarks of inspecting officer on method of mining etc.	Almost proposed quantities are reported as achieved.			

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Yes existing dump	Not carried out	
4b	Location of topsoil, OB & mineral reject dumps	Topsoil:- 501066- 501111/ 2718925- 2718949 Waste dump:- No Proposal No Mineral reject	Top soil is not stacked.	
4c	Number of Dumps within lease area and outside lease area	01(with in the lease area)	0	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Not Applicable	
4e	Number of Active & Alive dumps	01	00	

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4f	Number of dead dumps	01	01	
4g	Number of dumps established	00	00	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	No new dump is created.	The entire overburden is being used for backfilling.
4i	Length of Retaining wall or garland drain all along dump	Retaining wall: 69m. Garland drain: - 75m.	Retaining wall: 0m. Garland drain: - 0m.	
4j	Number of settling ponds	No Proposal of Settling Pond	No Proposal	
4k	Specific comments of inspecting officer on waste dump management	The garland drain and retaining wall are not constructed as proposed against which the violation is issued under Rule 11(1).		

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Not Applicable	
5b	Area under backfilling of mined out area	Not proposed	0.13 Hect	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Sub soil used for backfilling..	
5d	Total area fully reclaimed & rehabilitated (Ha)	Not proposed	0.13 Hect.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling has carried out in an area which is not proposed against which the violation is pointed out under Rule 11(1).		

Progressive Mine Closure Plan

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	The PMCP report will be submitted along with the annual report before 30.06.24.	
6b	Area available for rehabilitation (Ha)	0 Ha	0.13 HA	
6c	Afforestation done (ha)	0.20 Ha	0.10 Ha	
6d	No. of saplings planted during the year	500 Nos	500 Nos	
6e	Cumulative no. of plants	Not specified	7367 Nos	

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6f	Any other specific method of rehabilitation	No Proposal	No Proposal	
6g	Cost incurred on watch & care during the year	Not proposed	Rs 55,250	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	0.0 hect.	0.13 Hect	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not proposed	Not Applicable.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Not proposed	Not Applicable.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not proposed	Not Applicable.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not proposed	Not Applicable.	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not proposed	Not Applicable.	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not proposed	Not Applicable.	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed	Not Applicable.	
6p	Compliance of Environment monitoring (core zone & buffer zone)	Quarterly monitoring	Monthly & Quarterly monitoring	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	500 Saplings planted during the year.		

Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Not Proposed	Not Applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Not Applicable	
7c	Different grade of mineral sort out at mine	Not Proposed	Not Applicable	
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Grade wise sorting is neither proposed nor carried out.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Yes	The subsoil is using for backfilling.
8b	Concurrent use or storage of topsoil	Yes (Proposed for dumping)	Yes (Topsoil is being used to spread over	

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			the backfilling)	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Waste rock is not being generated.	Waste rock is not being generated.	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yes		
8g	Survival rate	80%	80%	
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	The excavations has neither proposed nor carried out in the Waste hence no OB is generated.		

Compliance of Rule 45

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 in charge: Mr. Rajkumar Mishra Geologist in charge : Mr. Gyan Prakash Pandey.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Working 13.469 ha Reclaimed-rehabilitated 1.164 ha Used for waste disposal 0.687 ha Occupied by plant, buildings, residential, welfare buildings and roads 2.118 ha Garland drain and Green belt 5.050 ha.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year Within the lease 500. Outside the lease. 62030.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral rejects have been generated from the lease area. The entire ROM is being utilized.	
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	It is a captive lease. Cost of production is 481.46/- Ex mine price is 481.46/-	

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9i	Scrutiny of Annual return on Fixed assets	1. Value of Fixed Assets ₹ 38,42,91,975/-	
9k	Scrutiny of Annual return on mining Machineries	BACK HOE 2.600 CUM2 DUMPER 25.000 TONNE ...5	

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	16/07/2024	-	-	-
02	45(7)	16/07/2024	-	-	-

Kathroju Naveen
Senior Assistant Controller of Mines