

**INSPECTION DATASHEET year 2022-23****General**

S.N.	Particulars	Details	
1	Name of the Mine	Baghai Limestone mines	
	Date of Inspection:	19.08.2023	
	Name of Inspecting Officer	Mr. Pukhraj Nenival	
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non- Forest Land	Forest Land
		512.317 Ha.	0
3	Mine code	38MPR35313	
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/267/2011	
5	Last Inspection Details	Inspecting officer – Shri Pukhraj Nenival, RCOM Date of Inspection – 18/11/2021 Violation Point out – 11(1), 27, 45(70, 63(1) of MCDR 2017 VL Compliance Status – Complied on 20/01/2022	
6	Mine official present during the inspection	Shri Kaushik Das, Mines Manager, Shri Pravin Tiwari, Geologist	
7	Name of the Lease, Address, Phone, email and fax number	Baghai Limestone mines, M/s- Prism Johnson Limited, Vi-Baghai, Tehsil: Rampur Baghelan, District: Satna, State: Madhya Pradesh. Phone- 07672-275301/02, 275621/22 E mail- <a href="mailto:mines.office@prismjohnson.in">mines.office@prismjohnson.in</a> Fax-07672-275303 Mob. No- 9584460385	
8	Village	Baghai	
9	Taluka/Mandal	Rampur Baghelan	
10	District	Satna	
11	Pin code	485111	
12	State	Madhya Pradesh	
13	Post Office	Bathia	
14	Nearest Police Station	Rampur Baghelan	
15	Nearest Railway Station	Baghai	
16	Date of Grant of Mining Lease	14.02.2011	
17	Date of Execution	28.02.2011	
18	Date of opening of Mine		
19	Date of First Renewal, if applicable and its period & expiry	NA	
20	Date of Second Renewal, if applicable and its period & expiry	NA	
21	Date of submission of renewal application if Mining	NA	

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	Operations are continuing under deemed extension	
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Vivek K.Agnihotri, Executive Director- Cement,Prism Cement Limited,Rahejas 2nd Floor, Main Avenue, V.P.Road, Santacruz(W), Mumbai, Pin-400054. Phone- 07672-275301 Email- <a href="mailto:vagnihotri@prismjohnson.in">vagnihotri@prismjohnson.in</a> Fax- 07672-275303 Date of appointment- 17.08.2015
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Name- Shri Vinod Shrivastava  Address- Vi-Mankahari Po-Bathiya,Rampur Baghelan,District: Satna,State: Madhya Pradesh Pin-485111 Phone- 9584464612 Email- <a href="mailto:vinod.shrivastava@prismjohnson.in">vinod.shrivastava@prismjohnson.in</a> Fax- 07672-275303 Date of appointment - 28.09.2021
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Name- Shri Kousik Das  Address- Vi-Mankahari Po-Bathiya,Rampur Baghelan,District: Satna,State: Madhya Pradesh Pin-485111 Phone- 9584460385 Email- <a href="mailto:kousik.das@prismjohnson.in">kousik.das@prismjohnson.in</a> Fax- 07672-275303 Date of appointment - 20.01.2017
25	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Name- Shri Chandra Shekhar Pandit Qualification- B.Tech in Mining & First Class Mines Manager Experience- 18 Years  Vi-Mankahari Po-Bathiya,Rampur Baghelan,District: Satna,State: Madhya Pradesh Pin-485111 Phone- 9584464621 Email- <a href="mailto:chandra.pandit@prismjohnson.in">chandra.pandit@prismjohnson.in</a> Fax- 07672-275303 Date of appointment - 10.02.2016
26	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
27	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	MP/Satna/Lst./RMP-57/20-21 Dated 09.04.2021
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	MP/Satna/Limestone/MPLN/MOD-37/2019-20 Dated 02.07.2020 <b>Specific condition</b> -Increasing the proposed production.
29	Mineral(s) granted in lease and approved for Mining	Limestone
30	Method of Mining (Opencast, Underground)	Opencast
31	Category (Fully Mechanized, Others or Manual)	Fully Mechanised

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32	Captive/Non-Captive	Captive
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**Exploration**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	512.317 Ha. (G1)	279.551 Ha. (G1)	<b>Geological study report is not submitted. Violation pointed out under rule 12(4B)</b>
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Prism Johnson Limited	Prism Johnson Limited	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2023	39.661 MT	39.661 MT	
1f	General remarks of Inspecting officer on geology, exploration etc.	Available area has been explored to G1 level. Remaining area is yet to be acquired. Geological study report is not submitted. Violation pointed out under rule 12(4B)		

**Development**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	1. 2717490 N to 2717960 N & 504341 E to 504772E 2. 2716660 N to 2716680 N & 503960 E to 504648E	1. 2717630 N to 2717940 N & 504499 E to 504768E 2. 2716700 N to 2716760N & 504115 E to 504616 E	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Waste rock-3 Limestone-2	Waste rock-3 Limestone-2	
2c	Stripping ratio or ore to OB ratio	1:0.64	1:0.49	
2d	Quantity of topsoil generation in m <sup>3</sup>	49175	48183	
2e	Quantity of overburden generation in m <sup>3</sup>	1231901	584075	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Production & Development work is lagging behind. Violation has been pointed out.		

**Exploitation**

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for	2	2	

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	production			
3b	Quantity of ROM mineral production proposed (2022-23)	2000000 Tons	1299148 Tons	Violation pointed out
3c	Recovery of Salable/usable mineral from ROM production	Not proposed	Not applicable	
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	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No subgrade generated	No subgrade generated	
3j	Provision of drilling & blasting in mineral benches	DTH Drilling & Controlled Blasting	DTH Drilling & Controlled Blasting	
3k	Provision of mining machineries in mineral benches	HEMM	HEMM	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes permission available	Yes permission available	
3m	Total area covered under excavation /pits	85.456 Ha.	85.456 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.64	1:0.49	
3o	Total area put in use under different heads at the end of year	170.81 Ha.	109.596 Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	2000000	1299443
		2019-20	3000000	1299687
		2020-21	3000000	1299551

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		2021-22	2000000	1296406
		2022-23	2000000	1299148
3q	General remarks of inspecting officer on method of mining etc	Less production is raised, violation has been pointed out.		

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of Dumps within lease area and outside lease area	One Dumps	One Dumps	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	503815E to 504995E & 2715810N to 2717990 N	503885E to 504918E & 2715830N to 2717880 N	
4e	Number of Active & Alive dumps	One Dumps	One Dumps	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not applicable	
4j	Number of settling ponds	Two	Two	
4k	Specific commends of inspecting officer on waste dump management	No comments		

### Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
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5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Exploration data to be verified by DTH hole at pit bottom	DTH hole at pit bottom proved no mineral left beyond present UPD	
5b	Area under backfilling of mined out area	6.58	4.35	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	used	used	
5d	Total area fully reclaimed & rehabilitated	17.29 Ha		
5e	General remarks of inspecting officer on backfilling, reclamation etc	No comments		

**Progressive Mine Closer Plan**

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Yes	Yes	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	2.64	2.05	
	ii) Afforestation done (ha)	2.64	2.05	
	iii) No.of saplings planted during the year	9600	10480	
	iv) Cumulative no. of plants	93452	93452	
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	23.49 Lakh	23.49 Lakh	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L*B*D)	Pit 1=872x345x29 Pit 3=425x337x29	Pit 1= 863x312x29 Pit 3=418x304x28	
	ii) Void filled by waste/tailings	6.58	4.35	
	iii) Afforestation on the backfilling	3.29	4.1	
	iv) Rehabilitation by making water reservoir	NA	NA	
	v) Any other specific means	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	2.64	2.05	
	ii) Area rehabilitation	2.64	2.05	
	iii) Method of rehabilitation			

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6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report submitted.		

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Whole ROM is consumed	Whole ROM is consumed	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sort out at mine	NA	NA	
7d	Any beneficiation process at mines	Not Required	Not Required	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM directly dispatched to captive plant as per provided Records.		

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps 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 ,being done	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yes	Yes	

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8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling in Haul Roads, Wet drill machines	Water sprinkling in Haul Roads, Wet drill machines	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	No comments		

**Compliance of Rule 45**

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly returns are submitted before 9 <sup>th</sup> of every months as per MCDR 2017	
		Annual return is submitted on IBM Portal as per MCDR 2017	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Already comply both Mining Engineer- Shri Chandra Shekhar Pandit Geologist- Shri Vinod Shrivastava	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern area are Pit - 61.613 Ha. Reclaimed - 12.940 ha Waste disposal - 12.590Ha. Infrastructure -4.5Ha. Green Belt - 10.550 ha	Within FA Limit
9d	Scrutiny of Annual return on Afforestation	10480 Nos.	As per AR
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	Nil	Captive, not for sale
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine Price - Rs 384.59 Cost of Production - Rs 384.59	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* (₹ 1135275064)	As per AR
9k	Scrutiny of Annual return on mining Machineries	BACK HOE - 2.900 CUM - 2 Non BACK HOE -2.000 CUM - 2 Non DOZER - 324.000 HP - 1 Non DUMPER - 25.000 TONNE - 22 Non ROCK DRILL (NON-ELEC.) 110.000 MM 3 PUMPS (NON-ELEC.) 13300.000 L/MN 4 Non WATER TANKER 15000.000 LITRE 1 EXPLOSIVE VAN 9000.000 TONNE 1	



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I/16403/2023 Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

- 1. Rule – 11(1) of MCDR 2017 dated 24/08/2023**
- 2. Rule 12(4B) of MCDR 2017 dated 24/08/2023**
- 3. Rule 45(7) of MCDR 2017 dated 24/08/2023**

Date:

Name: Pukhraj Nenival

Designation: Regional Controller of Mines