

## MCDR INSPECTION REPORT 2022-23

### General:

S.N.	Particulars	Details
1	Name of the Mine	Pitora Limestone Mine
2	Date of Inspection:	28.06.2023
3	Name of Inspecting Officer	Prasant Kumar Sahu, Asst. Mining Engineer
4	Name of official accompanying inspection	Shri B. L. Ramani, Authorised Signatory and Dr. Manoj Kumar, Geologist
5	Last date of Inspection & Officer	17.08.2022 and Shri A. K. Gadatia, AME
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land : 1.99 Ha, Forest Land: Nil. Total : 1.99 Ha
7	Mine code	38CHG05026
8	IBM Registration Number under rule 45 of MCDR,1988	IBM/11310/2012
9	Name of the Lease, Address, Phone, email and fax number	Shri Tikendra Chandrakar, Kabir Nagar, Ward No-21, Village- Kukda, Teshsil-Patan, District-Durg, Chhattisgarh, Pin Code-490042 <a href="mailto:Email-blramani7@gmail.com">Email-blramani7@gmail.com</a> Phone No-8839327409
10	Village	Pitora
11	Taluka/Mandal	Dhamda
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post Office	Nandini Khundni
16	Nearest Police Station	Nandini Nagar
17	Nearest Railway Station	Bhilai
18	Date of Grant of Mining Lease	26/11/1985 to 25/11/1995 for 10 years
19	Date of Execution	26/11/1995
20	Weekly day of rest	Sunday
21	Date of opening of Mine	22/12/1995
22	Date of First Renewal, if applicable and its period & expiry	26/11/1995 to 25/11/2015 for 20 years
23	Date of Second Renewal, if applicable and its period & expiry	26/11/2015 to 25/11/2035 for 20 years
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Tikendra Chandrakar, Kabir Nagar, Ward No-21, Village- Kukda, Teshsil-Patan, District-Durg, Chhattisgarh, Pin Code-490042

		<a href="mailto:blramani7@gmail.com">Email-blramani7@gmail.com</a> Phone No-8839327409
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Hulash Ram, Mining Engineer, Diploma in Mining Engineering, Date of appointment-22.08.2022 Dr. Manoj Kumar, Geologist Phd. in Geology Date of appointment-22.08.2022
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57	Yes
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1. Mining Plan approved vide letter no. DRG/LST/MPLN-481/NGP Nagpur dated 04/07/1995, Proposal Period: 1995-96 to 1999-2000 2. Modified Mining Plan approved vide letter no. DRG/LST/MPLN-1108/2017-RPR dated 01/09/2017, Proposal Period: 2016-17 to 2020-21
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	1. Scheme of Mining approved vide letter no. DRG/LST/MPLN-481/NGP dated 29.08.2013, Proposal Period: 2011-12 to 2015-16 2. Review of Mining Plan approved vide letter no. DRG/LST/MPLN-1276/2021-RAIPUR dated 20.05.2021, Proposal Period: 2021-22 to 2025-26
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (Fully Mechanized, Others or Manual)	Category-B, Manual
35	Captive/Non-Captive	Non-Captive
36	Present EC Status	10000 Tonne Per Year, EC granted on 11/02/2019
37	Status of Financial Assurance	BG No-0732IGF001267821 dated 13.05.2021, Amount- Rs.5,00,000/- Valid up to 31.03.2026

## Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

### 1.0 Exploration:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
1a	Backlog of previous year proposals	02 Core borehole proposed in 2021-22	Not carried out	Violation under Rule 11(1) of MCDR, 2017 issued.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	Entire lease area of 1.99 ha. was explored in G1 category through development of quarry (about 13.5 meter thickness of exposed limestone considered for reserve estimation)
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	No Proposal	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	-	Not Applicable	Entire lease area of 1.99 ha explored in G1 category
1e	Balance reserves as on 01.04.2023	Under 111 : 89570 tonne Under 211: 144250 tonne		As per AR 2022-23 submitted
1f	General remarks of Inspecting officer on geology, exploration etc.	No exploration has been proposed in the approved RMP during the FY 2022-23. Exploration proposed in the FY 2021-22 has not been carried out so far. Violation under Rule 11(1) of MCDR, 2017 issued.		

### 2.0 Development:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
2a	Location of Development w.r.t. lease area	W-05 to E-90 N-10 to N-60	Carried out within the proposed area	As per proposal
2b	Separate benches in topsoil overburden and mineral	Separate benches in OB and Mineral proposed	Separate benches maintained in OB and Mineral	Current working restricted to ore body
2c	Stripping ratio or ore to OB ratio	1:01	1:00	No OB/Waste generated
2d	Quantity of topsoil generation in m <sup>3</sup>	No Proposal	Nil	No topsoil generated
2e	Quantity of overburden generation in m <sup>3</sup>	No Proposal	Nil	

2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Production and development was carried out within the proposed area. However, actual development is less in comparison to proposal for lack of market demand.
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### 3.0 Exploitation:

S.N	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	One (01)	One (01)	As per proposal
3b	Quantity of ROM mineral production proposed	10000 tonne	375 tonne	Within the proposal limit and less production due to lack of market demand
3c	Recovery of Salable/usable mineral from ROM production	100 %	100 %	No generation of OB/MR
3d	Quantity of mineral reject generation	200	Nil	No generation of mineral rejects
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Not Applicable	Nil
3f	Quantity of sub-grade mineral generation	No Proposal	Not Applicable	Nil
3g	Grade of sub-grade mineral generation	No Proposal	Not Applicable	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	No such study carried out	Not required for limestone mineral
3j	Provision of drilling & blasting in mineral benches	Light shallow drilling and blasting proposed	Light shallow drilling and blasting carried out	ANFO and ready mixed slurry explosive used for blasting
3k	Provision of mining machineries in mineral benches	No proposal for mining machineries	Manual open cast mining adopted	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height in ore 3 mt.	Average bench height and width maintained	
3m	Total area covered under excavation /pits	1.3540 ha up to end of plan period 2025-26	About 1.3 ha up to 2022-23	As per AR submitted for 2022-23
3n	Ore to OB ratio for the pit/mine during the year	1:01	1:00	No generation of waste

3o	Total area put in use under different heads at the end of year	Total area 1.8673 ha up to end of plan period 2025-26	About 1.351 ha up to 2022-23	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2018-19: 10000	2018-19: 420.00	Actual production within proposed limit
		2019-20: 10000	2019-20: 120.00	
		2020-21: 10000	2020-21: 1080.00	
		2021-22:10000	2021-22:1055	
		2022-23:10000	2022-23:375	
3q	General remarks of inspecting officer on method of mining etc	Mining operation is in low scale. The production is less in comparison to proposal due to lack of market demand.		

#### **4.0 Solid Waste Management-Dumping:**

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	No proposal	Nil	No top soil and OB generated during the year
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of Dumps within lease area and outside lease area	No proposal	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit	No proposal	Nil	
4e	Number of Active & Alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps established	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific commends of inspecting officer on waste dump management	No top soil and waste generated during the year.		

### 5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Not applicable	Area is not fully exhausted for back filling
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	No proposal	Not applicable	
5d	Total area fully reclaimed & rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The area is not fully exhausted for backfilling.		

### 6.0 Progressive Mine Closer Plan:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	PMCP report to be submitted	PMCP report has not been received	Violation of Rule 26 (2) of MCDR,2017 is issued
6b	Management of worked/mined out benches	No proposal	Nil	No area is matured for backfilling
	Area available for rehabilitation (Ha)			
	Afforestation done (ha)			
	No. of saplings planted during the year			
	Cumulative no. of plants			
	Any other specific method of rehabilitation			
	Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	No proposal	Nil	No area is matured for backfilling
6d	Compliance of Rehabilitation of waste land within lease	No proposal	Nil	No waste dump within the lease

	i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation			area
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Environmental monitoring carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	The annual return in respect of PMCP under Rule 26(2) was not submitted for which violation is issued.		

### **7.0 Mineral Conservation:**

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch	ROM mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Not done	Not required for Limestone
7c	Different grade of mineral sort out at mine	No proposal	Nil	Not required
7d	Any beneficiation process at mines	No proposal	Nil	Not required
7e	General remarks of inspecting officer on mineral conservation & beneficiation issues	The mining operation is being carried out by open cast manual method (Category-B). No proposal for beneficiation of limestone.		

### **8.0 Environment:**

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil	No proposal	Nil	Top soil is not encountered at this stage and working is in ore zone only
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines	No proposal	Nil	No waste encountered
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No area is matured for reclamation
8f	Baseline information on existence of plantation & additional plantation done	Plantation proposed: WML: 600 nos. saplings	Within lease area-20	As per AR submitted for 2022-23. Violation under Rule 11(1) of

		in 2022-23		MCDR, 2017 issued for less plantation.
8g	Survival rate	Not specified	Within lease area-20%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Top soil and OB not encountered at this stage and mineral is not fully exhausted for reclamation and rehabilitation. Violation under Rule 11(1) of MCDR, 2017 issued for less plantation.		

### **9.0 Compliance of Rule 45:**

S N	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR being submitted regularly AR submitted up to 2022-23		AR for the FY 2022-23 submitted on 12.06.2023.
S N	Item	Details Given in A.R.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Hulash Ram, Geologist- Dr. Manoj Kumar	Employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	About 1.351 ha up to 2022-23	Appears to be correct	
9d	Scrutiny of Annual return on afforestation	Within lease area-20, Survival rate is less than 20%	Appears to be correct	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	No generation of mineral rejects reported	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Opening-0.00 T Production-375 T Closing-0.00 T	Opening-0.00 T Production-375 T Closing-0.00 T	The quarry is water logged and stock position could not be ascertained
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Sale value-Rs 72900/-, Ex. Mine Price-Rs. 405/- Cost of production-Rs.	Sale value-Rs 72900/-, Ex. Mine Price- Rs. 405/- Cost of	



		372/-	production-Rs. 372/-	
9i	Scrutiny of Annual return on Fixed assets	Rs. 15100000/-	Rs. 15100000/-	
9k	Scrutiny of Annual return on mining Machineries	Electric motor of 20 H.P	Observed in mine	Used for pumping of water from pit

**10-** Details of violations observed during current inspection: Violation 11(1) and 26(2) of MCDR, 2017 is pointed out after current inspection.

Date: 15.09.2023

प्रशान्त कुमर साहू / Prasant Kumar Sahu  
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