

MCDR INSPECTION REPORT 2021-22

General:

Sl .No.	Particulars	Details
File No.		
1	Name of the Mine	Nandini Khundini Limestone Mine
2	Date of Inspection:	11.08.2022
3	Name of Inspecting Officer	Prasant Kumar Sahu, Assistant Mining Engineer
4	Name of official accompanying inspection	Shri, Amit Singhal, Lessee representative
5	Last date of Inspection & Officer	21.09.2021 & Shri R. K. Das, Senior Assistant Controller of Mines
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: Nil Non-Forest: 8.094 Ha. Total lease area: 8.094 Ha
7	Mine code	38MPR13026
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/5681/2011
9	Name of the Lessee, Address, Phone, email and fax number	Shri Vikas Agrawal, E-39/4, Nehru Nagar East, Bhilai, Post-Nehru Nagar, District Durg, Chhattisgarh, 490 020 Mob: 9425556666 Email: kvmarble2014@gmail.com
10	Village	Nandini Khundini
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490 036
14	State	Chhattisgarh
15	Post Office	Nandini Nagar
16	Nearest Police Station	Nandini Nagar
17	Nearest Railway Station	Bhilai Power House
18	Date of Grant of Mining Lease	22.06.1972 to 21/06/1992
19	Date of Execution	22.06.1972
20	Weekly day of rest	Sunday
21	Date of opening of Mine	01/08/1972
22	Date of First Renewal, if applicable and its period & expiry	22/06/1992 to 21/06/2002
23	Date of Second Renewal, if applicable and its period & expiry	22/06/2002 to 21/06/2022
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	No information available.
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed
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	Shri Fanesh Thakur, E-39/4, Nehru Nagar East, Bhilai, Post-

		Nehru Nagar, District Durg, Chhattisgarh, 490 020, Email: kymarble2014@gmail.com Date of appointment-08/01/2018
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Fanesh Thakur, E-39/4, Nehru Nagar East, Bhilai, Post-Nehru Nagar, District Durg, Chhattisgarh, 490 020, Email: kymarble2014@gmail.com Date of appointment-08/01/2018
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed.
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. DRG/LST/MPLN-192/NGP, Nagpur dated 20/12/2001. Proposal period 2002-03 to 2006-07.
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Scheme of Mining approved vide letter no. DRG/LST/MPLN-192/NGP, Nagpur dated 17/02/2009. Proposal period 2007-08 to 2011-12. Scheme of Mining approved vide letter no. DRG/LST/MPLN-192/NGP, Nagpur dated 23/09/2013. Proposal period 2012-13 to 2016-17. Review of Mining Plan approved vide letter no. DRG/LST/MPLN-1115/2017-RPR dated 24/10/2017. Proposal period 2017-18 to 2021-22.
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-A, Fully Mechanized
35	Captive/Non-Captive	Non-Captive
36	Present EC Status	Limestone (ROM) 75000 Metric Tonnes per year obtained vide letter dated 07/01/2021.
37	Status of Financial Assurance	Rs. 2254200/- vide BG No. 170391IBGF00065 dated 24/07/2017, valid up to 23/07/2022.

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

1.0 Exploration:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
1a	Backlog of previous year proposals	No proposal	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	G1 G2	G1-8.094 G2-8.094	The potential mineralised area of 8.094 ha (Entire lease

				area) explored under G1 category up to 253 mRL and G2 category up to 247 mRL through three (03) vertical boreholes and quarry development.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not specified	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	No proposal for further exploration	Not applicable	
1e	Balance reserves as on 01.04.2022 (in Million Tonnes)	Under (111): 0.53 Under (122): 0.419 Under (211): 1.498 Under (222): 0.706		Violation pointed out for incorrect information furnished in part-V of AR 2021-22.
1f	General remarks of Inspecting officer on geology, exploration etc.	The potential mineralised area of 8.094 ha (Entire lease area) explored under G1 category up to 253 mRL and G2 category up to 247 mRL through three (03) vertical boreholes up to a depth of 20 mt. and quarry development.		

2.0 Development:

S.N	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
2a	Location of Development w.r.t. lease area	In between local coordinates N-145 to S-105 and W-220 to E-186	In between local coordinates N-145 to S-105 and W-220 to E-186	As per proposal. Development was carried out within the proposed grids.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	No proposal	Nil	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m ³	No proposal	Nil	
2e	Quantity of overburden generation in m ³	No proposal	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The actual development is less in comparison to proposal for lack of market demand. Quarry development is within the proposed area.		

3.0 Exploitation:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
3a	Number of pits proposed for production	1 pit proposed	Actual working was carried out in 1 pit	As per proposal

3b	Quantity of ROM mineral production proposed in tonne	74950	7700	Within the proposal limit and less production due to lack of market demand.
3c	Recovery of Salable/usable mineral from ROM production tonne	100 %	100%	
3d	Quantity of mineral reject generation tonne	No proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	No proposal	Nil	Blasted material directly sold to the consumer
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	Provision of drilling & blasting made in mineral benches	Drilling & blasting is carried out in the mineral benches	Drill machine- 32 mm dia jack hammer, Explosive used- Special gelatin used for blasting
3k	Provision of mining machineries in mineral benches	Back hoe and tipper combination proposed	Mining is done using Back hoe and tipper combination	Done as proposed
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral bench- 2-4 meter, OB bench-01 meter	Average bench height and width maintained	On the day of inspection the lower benches were water logged.
3m	Total area covered under excavation /pits	7.514 ha upto end of plan period	7.514 ha at the end of reporting year	
3n	Ore to OB ratio for the pit/mine during the year	1:0.00	1: 0.0	No generation of waste in the reporting year.
3o	Total area put in use under different heads at the end of year	Area under mining-7.514 Ha upto end of plan period	Covered under current working: 7.514 ha, Waste-disposal-0.26 ha, Plant/building-0.022 ha	Workings within proposed area. Violation issued for incorrect information furnished in AR.
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2017-18: 56370	2017-18: 16700	Actual production within proposed limit.
		2018-19: 72200	2018-19: 14500	

		2019-20: 74950	2019-20: 1000	
		2020-21: 74950	2020-21: 28950	
		2021-22: 74950	2021-22: 7700	
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 (2021-22)	Actual Work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	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 (Rule 16)	No proposal	Nil	
4e	Number of Active & Alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilized	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 comments of inspecting officer on waste dump management	No top soil and OB generated during the year. No dumps have been observed within lease area.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposal for back filling and reclamation in the plan period.		

6.0 Progressive Mine Closer Plan:

S. N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	PMCP report to be submitted	PMCP report not submitted as per the proforma	Violation of Rule 26 (2) of MCDR, 2017 is pointed out
6b	Management of worked/mined out benches	No proposal	Nil	
	Area available for rehabilitation (Ha)	No proposal	Nil	
	Afforestation done (ha)	No proposal	Nil	No fresh plantation proposed, only care and maintenance was carried out.
	No. of saplings planted during the year	No proposal	Nil	
	Cumulative no. of plants	No proposal	Nil	
	Any other specific method of rehabilitation	No proposal	Nil	
	Cost incurred on watch & care during the year	No proposal	Nil	
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	
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	No proposal	Nil	No waste dump within the lease area
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environmental monitoring proposed	Environmental monitoring carried out	Done as proposed
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report for this financial has not been submitted as per the proforma. Violation of Rule 26 (2) of MCDR, 2017 is pointed out.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	No proposal		
7b	Method of grade-wise mineral sorting	No proposal	Not done	Not required for

	i.e. manual or mechanical			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	No beneficiation process proposed within lease area and the total ROM was dispatched directly to the consumer.		

8.0 Environment:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	No proposal	Nil	Topsoil was not encountered at this stage and working was in the ore zone only.
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	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	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No proposal	Nil	
8g	Survival rate	Not specified	Nil	
8h	Water sprinkling on roads to control airborne dust	No proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	The scale of mining is low therefore no adverse impact due to mining on aesthetic beauty.		

9.0 Compliance of Rule 45:

S N	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to Aug-2022		
		AR Submitted up to 2021-22		
S N	Item	Details Given in AR.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manger-Not appointed Geologist-Not appointed Mining Engineer-Shri Fanesh Thakur	During inspection Mining Engineer and Geologist were not present	Violation is not pointed out as the lease period was expired on 21/06/2022

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current working: 7.514 ha, Waste-disposal-0.26 ha, Plant/building -0.022 ha	Information furnished incorrectly.	Violation of Rule 45(c) of MCDR, 2017 is pointed out.
9d	Scrutiny of Annual return on afforestation	WML- 0 sapling & OML-0 sapling	Appears to be correct.	No proposal for the reporting year
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral reject has been Generated during F.Y. 2021-22	No rejects found in the mine	Not envisaged in approved document
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Opening- 0.00 tonne Production- 0.00 tonne Closing-0.00 tonne	Information furnished incorrectly	Violation of Rule 45(c) of MCDR, 2017 is pointed out.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Cost of production is 0.00 Rs/ton and Ex-Mine price 300 Rs/ton	Cost of production reported as Rs. 0.00/ton	Violation of Rule 45(c) of MCDR, 2017 is pointed out.
9i	Scrutiny of Annual return on Fixed assets	Fixed Asset: Rs. 0.00	Report as per Annual Return	
9k	Scrutiny of Annual return on mining Machineries	Shovel 1 CuM 02 nos.	Information furnished incorrectly	Violation of Rule 45(c) of MCDR, 2017 is pointed out.

10- (a) Compliance position of earlier violation pointed out: - Violation of Rule 26(2) & 45(5)(C) have been pointed out. No outstanding violation.

Date-27/09/2022

Prasant Kumar Sahu,
Assistant Mining Engineer