

MCDR INSPECTION REPORT 2023-24**General**

Sl. No.	Particulars	Details
1	Name of the Mine	Nanini Khundini Limestone Mine
2	Date of Inspection	11.05.2024
3	Name of Inspecting Officer	Prasant Kumar Sahu, Assistant Mining Engineer
4	Name of official accompanying inspection	Shri Vaman Sahu, Representative of Lessee and Shri Manoj Kumar, Geologist
5	Last date of Inspection & Officer	22.06.2023 and Shri A. K. Gadatia, AME
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: Nil Non-Forest: 0.955 Ha. Total Lease Area: 0.955 Ha.
7	Mine Code	38CHG05006
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/15551/2013
9	Name of the lessee, Address, phone, email and fax number	Shri Bhagat Ram Sahu S/o- Shri Manohar Sahu Village: Nandini Kundini, Tehsil: Dhamdha District: Durg (C.G.) – 490036 Phone: +91 (0) 9300668959 Email – muktanandlimestone8959@gmail.com
10	Village	Nandini Khundini
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post office	Nandini Nagar
16	Nearest police station	Nandini Nagar
17	Nearest Railway station	Durg
18	Date of Grant of Mining Lease	30/10/1998 to 29/10/2018 (20 years)
19	Date of Execution	30/10/1998
20	Weekly day of rest	Sunday
21	Date of opening of Mine	30.10.1998
22	Date of first Renewal, if applicable and its period & expiry	30/10/2018 to 29/10/2048 (30 Years) Supplementary lease deed executed on 30/06/2021
23	Date of second Renewal, if applicable and its period & expiry	Not applicable
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
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 Mines 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 mine	Shri Santosh Kumar Singh, Mining Engineer (Part Time), Qualification- Diploma in Mining Engineering Date of appointment-19.12.2022

I/34512/2024	29	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Manoj Kumar, Geologist (Part Time), Qualification- MSC Geology Date of appointment-19.12.2022
	30	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes
	31	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. DRG/LST/MPLN-431/NGP Nagpur dated 16/06/1995 Proposal Period: 1998-1999 to 2002-03 Modified Mining Plan approved vide letter no. DRG/LST/MPLN-431/NGP Nagpur dated 23/03/2016 Proposal Period: 2015-16 to 2018-19 (up to 29/10/2018)
	32	Date of Approval of Review of Mining Plan/Modified Review of Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter no. RPR/DURG/LST/1357/RMP/202-23 dated 06.04.2023 Proposal Period: 2023-24 to 2027-28
	33	Mineral(s) granted in lease and proved for mining	Limestone
	34	Method of Mining(Open cast, Underground)	Open cast
	35	Category (A/B)	Category-B
	36	Captive/Non Captive	Non Captive
	37	Present EC Status	2100 Tonnes dated 17.11.2020
	38	Status of Financial Assurance	Rs. 5,00,000/- (Rupees Five Lakh) vide BG No.42600IGL0000119 valid up to 31.03.2028

1.0 Exploration

S. N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	03 boreholes proposed during the year to up to the end of mineralization	Nil	Violation is pointed out under Rule 11(1) of MCDR, 2017.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not specified	Nil	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	Entire lease area of 0.955 ha explored under G1 category.
1e	Balance reserves as on 01.04.2024	Under (111): 28095 Tonnes		As per the approved Review of Mining Plan and the cumulative production reported for the year 2023-24 in Monthly Return.
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lease area of 0.955 ha. has been explored under G1 category through one vertical boreholes and quarry development. The exploration as proposed during the year 2023-24 has not been carried out. Violation is pointed out under Rule 11(1) of MCDR, 2017.		

2.0 Development:-

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	In between coordinates N-23659005 to N - 23659040 E-539312 to E-539367	Carried out with in the proposed area	Development was carried out within the proposed grids
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	No proposal	Nil	Topsoil: Nil OB/Waste: Nil Mineral/Ore: 02
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	No proposal for OB/Waste
2d	Quantity of topsoil generation in m ³	No proposal	Nil	
2e	Quantity of overburden/waste generation in m ³	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Production and development were carried out within the proposed area. No proposal for topsoil/OB/Waste during the year 2023-24.		

I/34512/2024.0 Exploitation

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	1(one) pit	1(one) pit	As per proposal
3b	Quantity of Limestone production proposed	2100 Tonne	2010 Tonne	Within the proposal limit.
3c	Recovery of salable/usable mineral from ROM production	98 %	98 %	
3d	Quantity of mineral reject generation	42 Tonne	Nil	As reported by the lessee during inspection
3e	Grade of mineral reject generation and threshold value declared	Not specified	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 segregating from ROM	Mechanized method for sizing of blasted ROM by crushing unit	Mechanized method for sizing of blasted ROM by crushing unit	
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- Jack hammer 32 mm dia, Explosive used- Emulsion cartridge used for blasting
3k	Provision of mining machineries in mineral benches	Manual loading tractor trolley/tipper combination proposed	Done as proposed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral/ore: 02 nos. with 3.0 meters average height	Average bench height and width maintained	
3m	Total area covered under excavation/pits	0.79 Ha. up to end of plan period 2027-28	About 0.7 Ha. up to end of 2023-24	As reported by the lessee during inspection
3n	Ore to OB ratio for the pit/mine during the year	1:0.00	1:0.00	No generation of OB/Waste in the reporting year
3o	Total area put in use under different heads at the end of year	0.75 Ha up to end of plan period 2027-28	About 0.7 Ha. up to end of 2023-24	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 5130 2020-21: 4995 2021-22: 5130 2022-23:5130 2023-24: 2100	2019-20: 0.00 2020-21: 0.00 2021-22: 500 2022-23: 2100 2023-24: 2010*	As reported in the Annual Return *As reported in the Monthly Return All units in MT.

1/34512/2024 3q	General remarks of inspecting officer on method of mining etc.	Open cast mining operation being carried by manual method using tractor trolley and tipper combination.
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4.0 Solid Waste Management-Dumping

S. N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	No proposal	Nil	No top soil and OB/Waste 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 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 topsoil and OB/Waste generated during the year. No OB/Waste dump has been observed during inspection.		

5.0 Solid Waste Management-Backfilling

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	Area is not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	110 m2 (area) proposed for backfilling	Not carried out	Violation is pointed out under Rule 11(1) of MCDR, 2017.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No any part of ML area is mined out fully to carry out backfilling. However, 110 m2 (area) proposed for backfilling of 7.5 mt broken-up area during this year and the same was not carried out by the lessee. Thus, violation is pointed out under Rule 11(1) of MCDR, 2017.		

I/34512/2024 **6.0 Progressive Mine Closure Plan**

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	To be submitted before 01st July every year.	PMCP report not yet due	PMCP report yet to be submitted before 01st July 2024
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	No proposal	Nil	The area is not matured for reclamation and rehabilitation
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L * B * D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	No proposal	Nil	The area is not matured for backfilling
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	Nil	Area is not matured for reclamation and rehabilitation
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not specified in Review of Mining Plan	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	No proposal for backfilling and reclamation during this year and the area is not fully matured for backfilling purposes.		

7.0 Mineral Conservation

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Direct selling of crushed limestone	Direct selling of crushed limestone	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not envisaged in the approved document	Not applicable	Not required for limestone

1/34512/2024c	Different grade of mineral sorted out at mines	No proposal	Not applicable	Not required
7d	Any beneficiation process at mines	No Proposal	Not applicable	Not required
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation process proposed within lease area and the total sized material after crushing was dispatched to the consumer.		

8.0 Environment

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines	No proposal	Nil	
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	Plantation proposed: WML: 100 nos. saplings in 2023-24	No plantation carried out	Violation is pointed out under Rule 11(1) of MCDR, 2017.
8g	Survival rate	80%	Nil	-do-
8h	Water sprinkling on roads to control airborne dust	No proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The scale of mining is low therefore no adverse impact due to mining on aesthetic beauty.		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	MR being regularly submitted AR submitted up to F.Y. 2022-23	Annual Return for the year 2023-24 to be submitted before 01 July 2024.

Note- Scrutiny of Annual Return for FY 2022-23 was carried out during last inspection by Shri A. K. Gadatia, AME on dated 22.06.2023.

10- Details of violations observed during current inspection: - Violation of Rule 11(1) and 31(4) of MCDR 2017 have been pointed out after current inspection. No outstanding violation.