

MCDR INSPECTION REPORT 2021-22

General

Sl. No.	Particulars	Details
	File No-	CHG/DRG/LST-27/Raipur /333
1	Name of the Mine	NANDANI KUNDANI LIMESTONE MINE
2	Date of Inspection	18/01/2023
3	Name of Inspecting Officer	Debadurllav Dash, Regional Mining Geologist
4	Name of official accompanying inspection	Shri Raju Kumar Tandi, Mining Engineer, Representative of the lessee.
5	Last date of Inspection & Officer	04.10.2019 by Shri Rajesh Kumar Das, Sr. ACOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.55 Ha
7	Mine code	38 MPR 13024
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5674/2011
9	Name of the lessee, Address, phone, email and fax number	Smt.Mohani Devi Mishra,48/3 ,Nehru Nagar(E), Bhillai ,Durg, Chhattisgarh -490020, Phone/Fax- 9425237021, Email- mdmlimestonemines@gmail.com
10	Village	Nandini Khudini
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post office	Nandini Khudini
16	Nearest police station	Nandini Nagar
17	Nearest Railway station	Durg
18	Date of Grant of Mining Lease	14/06/1993
19	Date of Execution	-
20	Weekly day of rest	Sunday
21	Date of opening of Mine	01.08.1993
22	Date of first Renewal, if applicable and its period & expiry	Period-14/06/1993 to 13/06/2013
23	Date of second Renewal, if applicable and its period & expiry	Period- 14/06/2013to 13/06/2043
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable. As per Rule 8 A (6) of MMDR Act, 2015 (Amendment) supplementary lease deed extending the lease period up to 13.06.2043 has been executed on 03.06.2021.
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	None. Mine was not under operations since 2018-19 due to lack of environment clearance.
28	Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Engineer- Raju Kumar Tandi Qualification --B. TECH Phone- 7879685761 Date of appointment: 01.01.2023
29	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as	None. Mine was not under operations since 2018-19 due to lack of environment clearance.

	per rule 56 & 57.	
30	Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Letter no- DRG/LST/KHYO-1151/2018 dated 25/05/2018
31	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 was approved vide Letter no- DRG/LST/KHYO-11/2018 dated 25/05/2018 for the period from 2018-19 to 2022-23.
32	Mineral(s) granted in lease and proved for mining	Limestone
33	Method of Mining(Open cast, Underground)	OPENCAST
34	Category (Fully Mechanised, Others or Manual)	MECHANIZED
35	Captive/Non Captive	NON-CAPTIVE
36	Present EC Status	EC clearance for 40,000 tonnes per annum obtained vide letter no. 415/SEIAACG/MINES/735F dated 17.11.2020 up to 13.06.2043
37	Status of Financial Assurance	Bank guarantee for Rs 12,75,000 valid up to 27.03.2023.

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

Exploration

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
1a	Backlog of previous year	01 borehole was proposed during the year 2018-19	Nil	The mine was not operative since 2018-19.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	-do-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	-do-
1e	Balance reserves as on 01.04.2022	220160	333699 T	No mining operations carried out during the year.
1f	General remarks of inspecting officer on geology, exploration etc.	The mining operations were not carried out during the planned period. The proposed exploration of one borehole has not been carried out . Since, the mine was non-operative during the period, due to lack Environment clearance no violation is pointed out.		

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Within the Present Pit	Within the Present Pit. Also 7.5m safety barrier zone was found encroached by extension of quarry between PBP 01 to BP 01, BP 01 to 02, BP 03 to 04, BP 04 to 06.	Violation of Rule 11(1) of MCDR, 2017 is pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Proposed	Maintained	

2c	Stripping ratio or ore to OB ratio	0.4	Nil	No waste handling during the year
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden/waste generation in m ³	15,900	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No further development of the quarry has been done during the planned period, since, the mine was non-working during the period. No waste generation is reported during the year 2021-22. 7.5m safety barrier zone was found encroached by extension of quarry between PBP 01 to BP 01, BP 01 to 02, BP 03 to 04, BP 04 to 06. Violation of Rule 11(1) of MCDR, 2017 is pointed out.		

Exploitation

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
3a	Number of pits proposed for production	One	One	As per proposal.
3b	Quantity of Limestone production proposed	39750 tonnes/annum	800 tonnes	Grade-wise Production reported During 2021-22)
3c	Recovery of salable/usable mineral from ROM production	39750 tonnes	800 tonnes	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not done	
3j	Provision of drilling & blasting in mineral benches	proposed	Done	
3k	Provision of mining machineries in mineral benches	Proposed	Done	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height- 1 to 4m	1 to 4 m	As per proposal
3m	Total area covered under excavation/pits	3.95 Ha	3.95 Ha	No change
3n	Ore to OB ratio for the pit/mine during the year	0.4	Nil	No waste generation during the period.
3o	Total area put in use under	-	-	

	different heads at the end of year			
3p	Production of ROM mineral during last five-year period, as applicable	2018-19 – 34839 T 2019-20 – 36488 T 2020-21 – 39750 T 2021-22 – 39750 T	2018-19 – 0 T 2019-20 – 0 T 2020-21 – 0 T 2021-22 – 800 T	The mine was non-working during period. During the year 2021-22, 800 tonnes of grade-wise production has been reported.
3q	General remarks of inspecting officer on method of mining etc.	The mine was non-working during the period. During the year 2021-22, 800 tonnes of grade-wise production was reported.		

Solid Waste Management-Dumping

S.N	Item	Proposals 2021-22	Actual work 2021-2	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	During the year 2018-19, on lease boundary on eastern and southern direction bund/fencing of 625m proposed.	Done as per proposal	
4b	Location of topsoil, OB & mineral reject dumps	On eastern & southern side of the lease	On eastern & southern side of the lease	Done as per proposal.
4c	Number of dumps within lease area and outside lease area	01 soil stack / bund	01 soil stack / bund	
4d	Location of dumps w.r.t. ultimate pit limit	Outside UPL	Outside UPL	
4e	Number of active & alive dumps	Nil	Nil	No waste generation during the year 2021-22
4f	Number of dead dumps	Nil	Nil	-
4g	Number of dumps stabilised	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not done	-
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not done	-
4j	Number of settling ponds	Not proposed	Not done	-
4k	Specific comments of inspecting officer on waste dump management	The mine was non-working during the planned period. A top soil bund was proposed during the period 2018-19, which was observed during the inspection of the mine. No waste generation has been reported during the year 2021-22.		

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	Nil	Nil	No area is mined out.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	During the year 2018-19, a soil bund was proposed on lease boundary	Done as per proposal.	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No area is mined out and matured for backfilling.		

Progressive Mine Closure 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).	Yes	Not submitted.	Violation of Rule 26(2) of MCDR, 2017 is pointed out.
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	Nil Nil Nil 450 Nil Not specific	Nil Nil Not furnished 150 150 Not furnished	Violation of 11(1) of MCDR, 2017 is pointed out for not carrying out proposed planation.
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	Nil Nil Nil Nil	Nil Nil Nil Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environmental	Proposed	Nil	The mine was non-

	monitoring (core zone & buffer zone)			working during the planned period .
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Annual report on PMCP is not submitted. Violation of Rule 26(2) of MCDR, 2017 is pointed out. During the year 2018-19, 450saplings were proposed in approved Mining Plan against which 150 saplings have been planted during the year 2021-22. Violation of Rule 11(1) of MCDR, 2017 is pointed out.		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	39750 T	800 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines	-	-	
7d	Any beneficiation process at mines	-	-	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine was non-working during the planned period due to lack of environment clearance. During the year 2021-22, grade-wise production of 800 tonnes is reported in the Annual Return.		

Environment

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
8a	Separate removal and utilization of topsoil	Nil	Nil	No generation of top soil during the year
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines	Proposed	Nil	No waste generation reported during the year.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	No backfilling proposed.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	-do-
8f	Baseline information on existence of plantation & additional plantation done	450	150	Violation of 11 (1) of MCDR, 2017 is pointed out.
8g	Survival rate	Not specific	Not furnished.	
8h	Water sprinkling on roads to control airborne dust	Proposed	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	During the year 2018-19, plantation of 450 saplings was proposed in approved Mining Plan against which only 150 saplings were planted during the year 2021-22. Violation of Rule 11 (1) of MCDR, 2017 is pointed out.		

Compliance of Rule 45

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return – Dec. 2022 Annual Return – 2021-22		
S.N.	Item			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri Onkar Prasad Kushwaha Geologist: Shri Santosh Kumar Funde	Both were absent during the inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings: 3.65 ha,	The entire area is covered under quarry.	
9d	Scrutiny of Annual return on afforestation	150	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Graded ore opening stock- 6526 tonnes, Production: 800 tonnes, Closing stock : 7326 tonnes	Appears to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price: Rs 350 Cost of production Rs 350	Appears to be correct. No dispatch reported.	
9i	Scrutiny of Annual return on fixed assets	No fixed assets reported	No fixed assets observed.	
9k	Scrutiny of Annual return on mining machineries	Dumper (10 tonne): 02 nos	Appears to be correct.	

10- (a) Compliance position of earlier violation pointed out: -

Violation of Rules 11 (1) & 35 (2) of MCDR, 2017 was pointed out vide this office letter dated 19.11.2019 by Shri R.K. Das, Sr. ACOM.

During the current inspection following violations were pointed out;

नियम	उल्लंघन के प्रकार का ब्यौरा
11(1)	The mining operations are required to be carried out in accordance with the Mining Plan approved, modified or reviewed by Indian Bureau of Mines. However, the mining operations have been observed not carried out in accordance with Review & updation of Mining Plan approved vide letter No. DRG/LST/KHYO-11/2018 dated 25/05/2018 for the period from 2018-19 to 2022-23 to the extent as mentioned below: (i) 7.5 m area within & along the lease boundary (safety zone) was found to be encroached by carrying out excavation at number of places that is between boundary

	<p>pillars PBP 01 to BP 01, BP 01 to 02, BP 03 to 04 and BP 04 to 06 without such approval.</p> <p>(ii) Against approval of planation of 450 saplings during the year 2018-19, planation of only 150 saplings have been carried out during the year 2021-22.</p> <p>Hence, the above are observed to be against systematic and scientific development of mines and protection of environment.</p>
26(2)	<p>A yearly report as per the format specified by the Indian Bureau of Mines ought to be submitted before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved mine closure plan has not been submitted for the year 2021-22.</p>

(Debadurllav Dash)
Regional Mining Geologist