

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	Shri Rajesh Kumar Das , Sr. ACoM Indian Bureau of Mines, Raipur
2	Accompanying Mine Official with Designation	Shri Virendra Chopra, Mine Owner & Shri Manoj Kumar, Qualified Person
3	Date of inspection	22.07.2021
4	Name of the Mine	Nandini-Khundini Limestone Mines
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease area 4.80 hectare. (Private Land)
6	Mine Code	38CHG05023
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/19580/2015
8	Name of the lessee, Address, phone, email and fax number	Shri Virendra Chopra,S/O Shri Surendra Chopra,H.No.100,Ward-36,Khursipar,Bhilai,Dist.Durg(C.G.)-490011,Ph.No.9993007517,e-mail-virenderc12@gmail.com
9	Village	Khursipar
10	Taluka / Mandal / District	Durg
11	State	Chhattisgarh
12	Post office & PIN	490011
13	Nearest police station	Khursipar
14	Nearest Railway station	Bhilai
15	Date of Grant of Mining Lease	16.01.2015
16	Date of Execution	16.01.2015 (period 16.01.2015 to 15.01.2045)
17	Date of opening of Mine	08.05.2015
18	Date of first Renewal, if applicable and its period & expiry	NA

19	Date of second Renewal, if applicable and its period & expiry	NA
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	No Mines Manager appointed as mine reported non-working from 2017 for not having Environment Clearance

24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	No Mines Manager appointed as mine reported non-working from 2017 for not having Environment Clearance
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	No Mines Manager appointed as mine reported non-working from 2017 for not having Environment Clearance
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Vide letter no. DRG/LST/MPLN-1109/NGP dated 07.02.2013
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	N/A
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining (Opencast, Underground)	Opencast
30	Category (Fully Mechanised, Others or Manual)	Mechanised
31	Captive/Non Captive	Non Captive
32	Existing EC Limit and validity	41000 Tons
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs1000000 Valid upto 28/07/2026

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
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1a	Backlog of previous year	No proposal given	No drilling	No approved document for 2020-21
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	The mine was under suspension from 23.07.2019
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	4 bore holes reported in 2021-22
1e	Balance reserves as on 01.04.2021 (in Million Tonnes)	NA		
1f	General remarks of inspecting officer on geology, exploration etc.	Three bore holes proposed in 2015-16 but exploration not done but recently in 2021-22, 4 bore holes reported.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	NA	NA	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	NA	NA	
2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in m ³	NA	NA	
2e	Quantity of overburden generation in m ³			
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine was under suspension from 23.07.2019.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	NA	NA	
3b	Quantity of ROM mineral production proposed	NA	NA	
3c	Recovery of salble/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	

3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	NA	NA	
3k	Provision of mining machineries in mineral benches	NA	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	
3m	Total area covered under excavation/pits	NA	1.55 ha. Till date	
3n	Ore to OB ratio for the pit/mine during the year	NA	NA	
3o	Total area put in use under different heads at the end of year	NA	NA	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	2015-16:Nil 2016-17:27542.77 Tons 2017-18:32163 Tons 2018-19: 36746.17 Tons 2019-20: 41062.27 Tons 2020-21: No proposal	2015-16:2569 Tons 2016-17:5520 Tons 2017-18:Nil 2018-19: Nil 2019-20: Nil 2020-21: Nil	
3q	General remarks of inspecting officer on method of mining etc.	The mine is reported non-working due to non-availability of Environment Clearance. It was observed during mine visit for processing of Review of Mining Plan that mine working is reported 1.55 ha. Area of excavation and average depth is approx. 4.0 meter above water logged level. The limestone expected from existing pit in Tonnage=Area X Depth X BD (15500m X4.0 m X 2.5=155000 Tons) above water logged level whereas production reported only 8089 tons in Review of Mining Plan. From above fact it is evident that excess production was carried out from mining lease area and less production reported. The case is reported to State Govt. (DGM) for enquiry of excess production and reported less production.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	NA	NA	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	NA	NA	
4c	Number of dumps within lease area and outside lease area	NA	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	NA	NA	
4e	Number of active & alive dumps	NA	NA	
4f	Number of dead dumps	NA	NA	
4g	Number of dumps stabilised	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management	The mine is non- working and no major dump observed within lease area.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	Nil	
5b	Area under backfilling of mined out area	NA	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	NA	Not submitted	
6b	Management of worked/mined out benches	NA	Nil	

	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			
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Nil		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No comments as the mine is non-working.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 36)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	NA	NA	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	NA	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is non-working therefore no adverse impact observed on aesthetic beauty in and around mines area		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – Feb 2021 A.R. submitted upto- 2019-20	

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR for 2020-21 not submitted	Violation regarding AR & MR pointed out	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA		
9d	Scrutiny of Annual return on Afforestation	NA		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NA		

9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NA		
9i	Scrutiny of Annual return on fixed assets	NA		
9k	Scrutiny of Annual return on mining machineries	NA		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

Date of Last Inspection, Name and Designation of the Inspecting Officer: 25/06/2019 Mr S. Kartikeya, Jr. Mining Geologist, Indian Bureau of Mines, Raipur, Indian Bureau of Mines, Raipur . The mine was under suspension from 23.07.2019.

Details of the Violations Pointed-out during Inspections: The current inspection was carried out for processing of Review of Mining Plan and Rule 45 for non-submission of AR & MR pointed out.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)