

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	S. Kartikeya, Jr. Mining Geologist, Indian Bureau of Mines, Raipur
2	Accompany with Mine Officials	Shri Bhaktulal Ramani, Lessee
3	Date of inspection	26/06/2019
4	Name of the Mine	Nandini Khundini Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: NIL Non-forest: 3.525 Ha. Total Lease Area: 3.525 Ha.
6	Mine Code	38MPR13031
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10125/2012
8	Name of the lessee, Address, phone, email and fax number	Shri Bhaktulal Ramani House No. 399, Sindhi Colony, Station Road, Durg, District Durg (Chhattisgarh) – 490001 Phone: +91 (0) 788 – 2331939 +91 (0) 9300696291 Email: blramani7@gmail.com
9	Village	Nandini Khundini
10	Taluka / Mandal / District	Dhamdha
11	State	Chhattisgarh
12	Post office & PIN	Nandini Nagar, Pincode: 490036
13	Nearest police station	Nandini Nagar
14	Nearest Railway station	Durg
15	Date of Grant of Mining Lease	27/06/1994 to 26/06/2014 (20 years)
16	Date of Execution	27/06/1994
17	Date of opening of Mine	19/07/1994
18	Date of first Renewal, if applicable and its period & expiry	27/06/2014 to 26/06/2044 (30 years) As per section 8A of MMDR Amendment Act, 2015 the lease period has been extended up to 50 years. Supplementary lease agreement for period has been made.
19	Date of second Renewal, if applicable and its period & expiry	Not applicable
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	No information available.
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed

23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
25	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed
26	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Not appointed
27	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	<p>Mining Plan approved vide letter no. DRG/LST/MPLN-286/NGP Nagpur dated 30/07/1993 Proposal Period: 1994-95 to 1998-1999</p> <p>Modified Mining Plan approved vide letter no. DR/LST/MPLN-286/NGP/2016/30/RPR, Raipur dated 10/08/2016 Proposal Period: 2016-17 to 2018-19</p> <p>Lapse Period: 1999-2000 to 2003-04 (5 years) 2004-05 to 2008-09 (5 Years) 2014-15 to 2015-16 (2 years)</p> <p>Does not have valid approved document after F.Y. 2018-19</p>
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	<p>Scheme of Mining approved vide letter no. DRG/LST/MPLN-286/NGP Nagpur dated 02/09/2013 Proposal Period: 2009-10 to 2013-14</p>
29	Mineral(s) granted in lease and proved for mining	Limestone
30	Method of Mining(Open cast, Underground)	Open cast
31	Category (Fully Mechanised, Others or Manual)	Category 'B' Manual
32	Captive/Non Captive	Non-Captive
33	Existing EC Limit and validity	Not obtained (Under Process)
34	Status of Financial Assurance as per rule 27 of MCDR, 2017	<p>Rs. 1,00,000/- (One Lakh) vide BG No. 07960002116 dated 27/07/2016, valid up to 31/03/2019</p> <p>Rs. 4,00,000/- (Four Lakh) vide BG No. 07960000118 dated 04/01/2018, valid up to 31/03/2019</p> <p>Does not have valid Financial Assurance after F.Y. 2018-19</p>

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

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration has been proposed during plan period.	Not applicable.	Detail exploration is required in this area to know the depth wise persistency of the mineral/ore
1b	Exploration over lease area for Geological axis 1 or 2.	-do-	-do-	-do-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-do-	-do-	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	-do-	-do-
1e	Balance reserves as on 01.04.2019 (in Million Tonnes)	Under (122): 0.345 Million Tonnes Under (222): 0.697 Million Tonnes	Under (122): 0.372 Million Tonnes Under (222): 0.697 Million Tonnes	No production of ore/mineral has been reported during last three years.
1f	General remarks of inspecting officer on geology, exploration etc.	Detail exploration is required in this area to know the depth wise persistency of the mineral.		

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)	2018-19: Pit No.1: In between local co-ordinates S10 to S55 and W75 to E20 Pit No.2: In between local co-ordinates N45 to N75 and W35 to E55	Mining is being done irregularly in several places without any approved proposal. No such proposal has been given in the earlier approved MMP for mining at 7.5 m barrier zone. Development and excavation was observed all along the lease boundary, and most of places 7.5m barrier zone has been mined out.	Deviation has been pointed out.
2b	Separate benches in topsoil, overburden and	Topsoil: NIL OB: NIL	Could not be ascertained as both	-

	mineral (Rule 13)	Mineral: 02 nos.	the quarries are waterlogged.	
2c	Stripping ratio or ore to OB ratio	1:0.05	Nil production reported during last three years.	-
2d	Quantity of topsoil generation in m3	No topsoil will be generated during plan period.	The entire development has been proposed within quarry.	-
2e	Quantity of overburden generation in m3	No overburden will be generated during plan period.	-do-	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Irregular development has been observed in both the pits. In view of systematic mining, it is difficult to do development through Manual Mining. Hence, Mechanised mining may be proposed for future development.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	02 nos.	02 nos.	Both the quarries are waterlogged.
3b	Quantity of ROM mineral production proposed	8550.00 Metric Tonnes	NIL	The mine is closed/no n-operation due to no environment clearance.
3c	Recovery of salable/usable mineral from ROM production	95%	-do-	-do-
3d	Quantity of mineral reject generation	450.00 Metric Tonnes	-do-	-do-
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document.	Not applicable.	-do-
3f	Quantity of sub-grade mineral generation	No sub-grade ore will be generated during plan period.	Not applicable.	-do-
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document.	Not applicable.	-do-

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Crushing and Screening.	Could not be ascertained as the mine is closed due to no environment clearance from last three years.	-do-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed in the approved document.	Not applicable.	-do-
3j	Provision of drilling & blasting in mineral benches	Dia: 34 mm Burden: 1.0 m Spacing: 1.0 m Depth: 1.50 m	Could not be ascertained as the mine is closed due to no environment clearance from last three years.	-do-
3k	Provision of mining machineries in mineral benches	Tipper: 02 nos. with 16 tonnes capacity.	-do-	-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral/ore: 3.0 m	At places bench height is very steep at about 15-20 meters deep from present ground level. These area are required to be backfilled.	-do-
3m	Total area covered under excavation/pits	1.72 Ha. up to end of plan period.	Could not be ascertained as no updated plan and sections have been prepared.	-do-
3n	Ore to OB ratio for the pit/mine during the year	1:0.05	Nil production reported during last three years.	-do-
3o	Total area put in use under different heads at the end of year	Pit-1.72 Ha. Waste/reject-0.20 Ha. Others- 0.225 Ha.	Could not be ascertained as no updated plan and sections have been prepared.	-do-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2014-15: 27000.00 Metric Tonnes Yr- 2015-16: No approved proposal Metric Tonnes Yr- 2016-17: 9000.00 Metric Tonnes Yr- 2017-18: 9000.00 Metric Tonnes	Yr- 2014-15: 11640.00 Metric Tonnes Yr- 2015-16: NIL Metric Tonnes Yr- 2016-17: NIL Metric Tonnes Yr- 2017-18: NIL Metric Tonnes Yr- 2018-19: NIL Metric Tonnes	-do-

		Yr- 2018-19: 9000.00 Metric Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	The mine is closed/non-operation due to no environment clearance from last three years.	

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Topsoil: NIL OB: NIL Mineral Reject: 450.00 Metric Tonnes per year along 7.5 m barrier zone	Could not be ascertained as the mine is closed/non-operations from last three years due to no environment clearance	-
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Mineral Reject: N55 to N82 and E50 to E100	Not achieved as the mine is closed/non-operations from last three years due to no environment clearance	-
4c	Number of dumps within lease area and outside lease area	Mineral reject: 01 no. along 7.5 m barrier zone.	-do-	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed beyond ultimate pit limit.	-do-	-
4e	Number of active & alive dumps	Active: 01 no	-do-	-
4f	Number of dead dumps	Not proposed in the approved document.	Not applicable.	-
4g	Number of dumps stabilised	-do-	-do-	-
4h	Whether Retaining wall or garland drain all along dumps are there	-do-	-do-	-
4i	Length of Retaining wall or garland drain all along dump	-do-	-do-	-
4j	Number of settling ponds	-do-	-do-	-
4k	Specific comments of inspecting officer	The mine is closed/non-operations from last three years due to no environment clearance.		

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	Proposal for full extraction of mineral from mined out area before starting backfilling has been given during	Not applicable at present.	-

		conceptual stage.		
5b	Area under backfilling of mined out area	Not proposed in the approved document.	Not applicable.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	No topsoil will be generated during plan period.	Not applicable.	-
5d	Total area fully reclaimed & rehabilitated	Not proposed in the approved document.	Not applicable as the area is not matured for reclamation and rehabilitation.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine is closed/non-operations from last three years due to no environment clearance.		

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.	Not submitted for F.Y. 2017-18 and 2018-19	The mine is closed/non-operations from last three years due to no environment clearance.	-
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	0.20 Ha. 200 nos. 200 mos. 800 nos. By plantation Rs. 32,000/-	Not done Not done Not done Not done Not done NIL	The mine is closed/non-operations from last three years due to no environment clearance.
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	Reclamation and rehabilitation are not proposed in the approved document during plan period.	Not applicable.	-

	means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Mineral reject will be accumulated along 7.5 m barrier zone.	Not achieved.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of environment parameters.	Not achieved.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The mine is closed/non-operations from last three years due to no environment clearance.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sizing has been proposed in the approved document. +6 mm and -6 mm ore/mineral	Could not be ascertained as the mine is closed/non-operations from last three years due to no environment clearance	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Size wise sorting has been proposed in the approved document.	-do-	-
7c	Different grade of mineral sorted out at mines	-do-	-do-	-
7d	Any beneficiation process at mines	Not proposed in the approved document.	Not applicable	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine is closed/non-operations from last three years due to no environment clearance		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	No topsoil will be generated during plan period.	Not applicable.	-
8b	Concurrent use or storage of topsoil	-do-	-do-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumping of mineral reject will be proposed in the approved document at 7.5 m barrier zone.	Not achieved as the mine is closed/non-operations from last three years	-

			due to no environment clearance	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed in the approved document	Not applicable.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	-do-	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	600 nos. of plants will be planted during plan period.	Not achieved	Deviation has been pointed out
8g	Survival rate	Not mentioned in the approved document.	Not applicable.	-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling through water tanker.	Not achieved as the mine is closed/non-operations from last three years due to no environment clearance	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Not achieved as the mine is closed/non-operations from last three years due to no environment clearance.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – June 2019 A.R. submitted upto- F.Y. 2018-19	NIL

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	Mining Engineer: Not appointed. Geologist: Not appointed. Manager: Not appointed.	The mine is closed/non-operations from last three years due to no environment clearance.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-1.330 Ha. Waste/reject-0.40 Ha. Others- 0.210 Ha.	Could not be ascertained as the updated plan and sections has not been prepared.	-

9d	Scrutiny of Annual return on Afforestation	NIL given	Not achieved.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Quantity: NIL Grade: 39% CaO	Quantity: NIL Grade: 39% CaO	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: NIL Graded Ore: NIL	ROM: NIL Graded Ore: NIL	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: NIL Ex-Mine Price: NIL Cost of Production: Rs. 9000/- (Dead Rent)	Sale Value: NIL Ex-Mine Price: NIL Cost of Production: Rs. 9000/- (Dead Rent)	-
9i	Scrutiny of Annual return on fixed assets	NIL given	NIL given	-
9k	Scrutiny of Annual return on mining machineries	Not given	Not given	-

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

No outstanding violation.

Date of Last Inspection, Name and Designation of the Inspecting Officer:

Shri. R. N. Mishra, Sr. Mining Geologist, IBM, Raipur, Date of Inspection: 08/03/2018

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
Rule 11(1)	<p>The following deviations have been found in the mine from the Modified Mining Plan vide DRG/LST/MPLN-286/NGP/2016/30//RPR, Raipur dated 10/08/2016 for the period of 2016-17 to 2018-19:</p> <p>Development: There was a proposal given for development and excavation of mineral/ore During F.Y. 2018-19: Pit No.1: In between local co-ordinates S10 to S55 and W75 to E20 Pit No.2: In between local co-ordinates N45 to N75 and W35 to E55</p> <p>Whereas, Mining is being done irregularly in several places without any approved proposal.</p> <p>No such proposal has been given in the earlier approved MMP for mining at 7.5 m barrier zone. Development and excavation was observed all along the lease boundary, and most of places 7.5m barrier zone has been mined out.</p> <p>Afforestation: There was a proposal for plantation of 600 nos. of plants during 2016-17 to 2018-19. Whereas, None of the plants have been planted.</p>
नियम संख्या 11(4)	<p>खनन पट्टा धारक आगामी 05 वर्ष की अवधि के लिए खनन कार्य करने के लिए खनन योजना को 05 वर्ष की अवधि समाप्ति, जिसके लिए इसे इससे पूर्व अवसर पर अनुमादित किया गया था, से कम से कम 180 दिन पहले पुनर्विलोकन के लिए सक्षम प्राधिकारी को प्रस्तुत करेगा। जो कि आज दिनांक तक सक्षम प्राधिकारी के समक्ष अनुमोदन हेतु प्रस्तुत नहीं किया गया है एवं अनुमादित खनन योजना की अनुमोदन अवधि दिनांक 31/03/2019 को समाप्त हो चुकी है।</p>

नियम संख्या 23	खनन पट्टा धारक, खनन योजना की प्रस्तुतिकरण, संशोधन और पुनर्विलोकन के समय, सक्षम प्राधिकारी के समक्ष खनन योजना के एक घटक के रूप में खान बंद करने की एक प्रगतिशील योजना प्रस्तुत करेगा। जो कि आज दिनांक तक सक्षम प्राधिकारी के समक्ष अनुमोदन हेतु प्रस्तुत नहीं किया गया है।
Rule 26 (2)	A yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out has not been submitted for the year 2017-18 and 2018-19.
नियम संख्या 27(1)	खनन पट्टा धारक द्वारा, खनन योजना में निहित खान बन्द करने की प्रगतिशील योजना के आवश्यक और उचित कार्यान्वयन के लिए, यथास्थिति, एक वित्तीय आश्वासन प्रस्तुत किया जायेगा। पूर्व में जमा की गई वित्तीय आश्वासन की अवधि दिनांक 31/03/2019 को समाप्त हो चुकी है।
Rule 33	Updated print copy of the surface geological plan and sections has not been submitted before 30th day of June for the year 2017-18 and 2018-19.

(Name of the Inspecting Officer and Designation and Date)

(Shaival Kartikeya)
 Jr. Mining Geologist
 Indian Bureau of Mines, Raipur
 Date of Inspection: 26/06/2019