

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 Mukta Nand Sahu, Representative of Lessee
3	Date of inspection	26/06/2019
4	Name of the Mine	Nanini Khundini Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: NIL Non-Forest: 0.96 Ha. Total Lease Area: 0.96 Ha.
6	Mine Code	38CHG05006
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/15551/2013
8	Name of the lessee, Address, phone, email and fax number	Shri Bhagat Ram Sahu S/o Late Shri Manohar Sahu Village: Nandini Kundini, Tehsil: Dhamdha District: Durg (C.G.) – 490036 Email: bhagatramsahu@gmail.com Phone: +91 (0) 9300668959
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	30/10/1998 to 29/10/2018 (20 years) Supplementary lease agreement for extended period as section 8A of MMDR Amendment Act, 2015 has not been made.
16	Date of Execution	30/10/1998
17	Date of opening of Mine	30/10/1998
18	Date of first Renewal, if applicable and its period & expiry	Not applicable
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	Not applicable
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.	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 23/03/2015 Proposal Period: 2015-16 to 2018-19 (up to 29/10/2018) Lapse Period: 2003-04 to 2007-08 (5 years) 2008-09 to 2012-13 (5 years) 2013-14 to 2014-15 (2 years) 29/10/2018 to 31/03/2019 (6 month)
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter no. DRG/LST/MPLN-1204/2018/RPR Raipur dated 03/05/2019 Proposal Period: 2019-20 to 2022-23
29	Mineral(s) granted in lease and proved for mining	Limestone
30	Method of Mining (Opencast, Underground)	Opencast
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	Rs. 5,00,000/- (Rupees Five Lakh) vide BG No.42600IGL0000119 valid up to 12/03/2024

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 proposed during review period.	Not applicable	Already explored under G1 level.

1b	Exploration over lease area for Geological axis 1 or 2.	No exploration proposed during review period.	Not applicable	Already explored under G1 level.
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 (111): 0.0668 Million Tonnes Under (221): 0.143 Million Tonnes	Under (111): 0.0720 Million Tonnes Under (221): 0.143 Million Tonnes	Mine is closed/non-operational since 2017 due to no environment clearance.
1f	General remarks of inspecting officer on geology, exploration etc.	Mine is closed/non-operational since 2017 due to no environment clearance.		

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)	2019-20: N2365825 to N2365920 and E539410 to E539440	Not done. The mine is closed/non-operational since 2017 due to no environment clearance.	-
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil: NIL OB/SB: NIL Mineral/ore: 05 nos. with 3.0 meters height	-do-	-
2c	Stripping ratio or ore to OB ratio	1:0.0	-do-	-
2d	Quantity of topsoil generation in m3	No topsoil will be generated during review period	-do-	-
2e	Quantity of overburden generation in m3	No overburden will be generated during review period.	-do-	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine is closed/non-operational since 2017 due to no environment clearance.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01 no.	01 no.	

3b	Quantity of ROM mineral production proposed	2019-20: 5265.00 Metric Tonnes	Not achieved as the mine is closed/non-operational since 2017 due to no environment clearance.	-
3c	Recovery of salable/usable mineral from ROM production	95%	-do-	-
3d	Quantity of mineral reject generation	263.25 Metric Tonnes	-do-	-
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document.	Not applicable	-
3f	Quantity of sub-grade mineral generation	No sub-grade ore/mineral will be generated during review period.	Not applicable.	-
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document.	Not applicable	-
3h	Manual / Mechanised method adopted for segregating from ROM	By manual sizing and sorting.	Not achieved as the mine is closed/non-operational since 2017 due to no environment clearance.	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed in the approved document.	Not applicable	-
3j	Provision of drilling & blasting in mineral benches	Dia: 32-34 mm Depth: 1.5 m Spacing: 1.5 m Burden: 1.0 m	Not achieved as the mine is closed/non-operational since 2017 due to no environment clearance.	-
3k	Provision of mining machineries in mineral benches	1. Jack Hammer 01 no. with 32 mm dia capacity. 2. Compressor 01 no. with 625 cfm capacity 3. Tractor 01 no. with 10 tonnes capacity	-do-	-

		4. Tipper 01 no. with 9 tonnes capacity 5. Water Tanker 01 no. with 1000 liters capacity 6. Jeep 01 no.		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: NIL OB/SB: NIL Ore/Mineral: 3.0 meters	-do-	-
3m	Total area covered under excavation/pits	0.7475 Ha.	-do-	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	-do-	-
3o	Total area put in use under different heads at the end of year	Pit- 0.7475 Ha. Waste/reject-NIL Others-0.0319 Ha. Up to end of review period.	-do-	-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2014-15: No record available Yr- 2015-16: 2030.15 Metric Tonnes Yr- 2016-17: 2031.24 Metric Tonnes Yr- 2017-18: 2043.01 Metric Tonnes Yr- 2018-19: 2095.64 Metric Tonnes (up to 29/10/2018)	Yr- 2014-15: No record available Yr- 2015-16: NIL Metric Tonnes Yr- 2016-17: NIL Metric Tonnes Yr- 2017-18: NIL Metric Tonnes Yr- 2018-19: NIL Metric Tonnes	No production reported during last four years.
3q	General remarks of inspecting officer on method of mining etc.	Mine is closed/non-operational since 2017 due to no environment clearance.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Dumping of Topsoil, OB/Mineral reject are not proposed in the approved document.	Not applicable	Mine is closed/non-operational since 2017 due to no environment

				clearance.
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Dumping of Topsoil, OB/Mineral reject are not proposed in the approved document.	Not applicable	-do-
4c	Number of dumps within lease area and outside lease area	No dumping has been proposed in the approved document during review period.	Not applicable	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Not proposed in the approved document.	Not applicable	-do-
4e	Number of active & alive dumps	No dumping has been proposed in the approved document during review period.	Not applicable	-do-
4f	Number of dead dumps	Not proposed in the approved document.	Not applicable	-do-
4g	Number of dumps stabilised	No dumping has been proposed in the approved document during review period.	Not applicable	-do-
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed in the approved document.	Not applicable	-do-
4i	Length of Retaining wall or garland drain all along dump	-do-	-do-	-do-
4j	Number of settling ponds	-do-	-do-	-do-
4k	Specific comments of inspecting officer	Mine is closed/non-operational since 2017 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 has been given before conceptual stage.	Not applicable as on date.	-
5b	Area under backfilling of mined out area	Proposal not given in the approved document for backfilling.	Not applicable	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out	No topsoil will be generated during review period.	Not applicable	-

	area (Rule 36)			
5d	Total area fully reclaimed & rehabilitated	Proposal has not been given in the approved document for reclamation and rehabilitation.	Area not matured for reclamation and rehabilitation.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine is closed/non-operational since 2017 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.	Mine is closed/non-operational since 2017 due to no environment clearance.	Mine is closed/non-operational since 2017 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	0.08 Ha. 100 nos. 20 nos. 120 nos. By plantation Not given in the approved document.	Not done Not done Not done Not done Not done Not applicable	-do-
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	Proposal not given in the approved document for backfilling.	Not applicable	-do-

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Proposal has not been given in the approved document for reclamation and rehabilitation.	Area not matured for reclamation and rehabilitation.	-do-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring.	Not done	-do-
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mine is closed/non-operational since 2017 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	Not proposed in the approved document.	Not applicable	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed in the approved document.	Not applicable	-
7c	Different grade of mineral sorted out at mines	Not proposed in the approved document.	Not applicable	-
7d	Any beneficiation process at mines	Mechanised Crushing	Mine is closed/non-operational since 2017 due to no environment clearance.	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine is closed/non-operational since 2017 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 review period.	The entire planning has been given in the existing quarry where topsoil not presents.	-
8b	Concurrent use or storage of topsoil	-do-	-do-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No dumping has been proposed in the approved document during review period.	Not applicable	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the	Not proposed in the approved document.	Not applicable.	-

	land to its original use			
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)	Proposal has been given in the approved document for	Mine is closed/non-operational since 2017 due to no environment clearance.	-
8g	Survival rate	Not mentioned in the approved document.	-do-	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling through water tanker has been proposed.	-do-	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mine is closed/non-operational since 2017 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.	Mine is closed/non-operational since 2017 due to no environment clearance.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 0.093 Ha. Waste/reject-0.006 Ha. Others-0.046 Ha.	-do-	NIL
9d	Scrutiny of Annual return on Afforestation	NIL	-do-	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not given	-do-	NIL

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: NIL Graded ore: 654.000	-do-	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price: Rs. 332.00	-do-	NIL
9i	Scrutiny of Annual return on fixed assets	NIL given	-do-	NIL
9k	Scrutiny of Annual return on mining machineries	Given	-do-	NIL

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

No outstanding violations.

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

Shri J. S. Hada, Asstt. Mining Geologist, Date of Inspection: 13/02/2019

Details of the Violations Pointed-out during Inspections:

Note: As the mine is closed/non-operational since 2017 due to no environment clearance and Review of mining plan has been approved after fresh survey for the period of 2019-20 to 2022-23 and no major subsequent changes have been found in the mine.

No serious violations have been observed.

(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