

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 Fanesh Thakur Mining Engineer. and Shri Vikeshwar Thakur, Mining Engineer
3	Date of inspection	28/06/2019
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: 8.094 Ha. Total Lease Area: 8.094 Ha.
6	Mine Code	38MPR13026
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5681/2011
8	Name of the lessee, Address, phone, email and fax number	Shri Vikas Agrawal E-39/4, Nehru Nagar (East) Bhilai, Post- Nehru Nagar, District- Durg (Chhattisgarh) – 490020 Phone: +91 (0) 9425556666 Email: kvmarble2014@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	22/06/1972 to 21/06/1992 (20 years)
16	Date of Execution	22/06/2002
17	Date of opening of Mine	01/08/1972
18	Date of first Renewal, if applicable and its period & expiry	22/06/1992 to 21/06/2002 (10 years)
19	Date of second Renewal, if applicable and its period & expiry	22/06/2002 to 21/06/2022 (20 years) Lease has been transferred from Shri Krishanlal Chopra, New Khursipar, Bhilai – 12 to Shri Vikas Agrawal on 22/06/2002 As per section 8A of MMDR Amendment Act, 2015 the lease will be completed 50 years on 21/06/2022. Hence, the lease will be expired on 21/06/2022.
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	Shri Fanesh Thakur C/o Shri Vikas Agrawal E-39/4, Nehru Nagar (East) Bhilai, Post- Nehru Nagar, District- Durg (Chhattisgarh) – 490020 Phone: +91 (0) 9691622578 Email: faneshthakur404@gmail.com Date of Appointment: 08/01/2018 (Notice of appointment has not been sent)
25	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Fanesh Thakur Qualification: B. Tech (Mining) Experience: +1 year C/o Shri Vikas Agrawal E-39/4, Nehru Nagar (East) Bhilai, Post- Nehru Nagar, District- Durg (Chhattisgarh) – 490020 Phone: +91 (0) 9691622578 Email: faneshthakur404@gmail.com Date of Appointment: 08/01/2018
26	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Not appointed (Deviation has been pointed out)
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-192/NGP, Nagpur dated 02/01/1992 Proposal Period: 1972-73 to 1976-77 Mining Plan approved vide letter no. DRG/LST/MPLN-192/NGP, Nagpur dated 20/12/2001 Proposal Period: 2002-03 to 2006-07
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Scheme of Mining approved vide letter no. DRG/LST/MPLN-192/NGP Nagpur dated 17/02/2009. Proposal Period: 2007-08 to 2011-12 Scheme of Mining approved vide letter no. DRG/LST/MPLN-192/NGP, Nagpur dated 23/09/2013 Proposal Period: 2012-13 to 2016-17 Review of Mining Plan approved vide letter no. DRG/LST/MPLN-1115/2017-RPR Raipur dated 24/10/2017 Proposal Period: 2017-18 to 2021-22
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 'A' Fully Mechanised
32	Captive/Non Captive	Non-Captive
33	Existing EC Limit and validity	Limestone (ROM) 75000 Metric Tonnes per year obtained vide letter no. 502/SEAC-CG/EC/MINING/DRG/127 Raipur dated 07/01/2011

		from State Level Environment Impact Assessment Authority Chhattisgarh, Ministry of Environment and Forests, Government of India. Valid up to 21/06/2022
34	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs. 2254200/- vide BG No. 170391IBGF00065 dated 24/07/2017, Valid up to 23/07/2022.

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 in the approved document during review period.	As per approved document the entire lease area has already been explored under G1 level up to 253 mRL and G2 level up to 247 mRL of exploration.	-
1b	Exploration over lease area for Geological axis 1 or 2.	-do-	-do-	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document.	Not applicable.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No exploration has been proposed in the approved document during review period.	As per approved document the entire lease area has already been explored under G1 level up to 253 mRL and G2 level up to 247 mRL of exploration.	-
1e	Balance reserves as on 01.04.2019 (in Million Tonnes)	Under (111): 0.472 Million Tonnes Under (122): 0.419 Million Tonnes Under (211): 1.498 Million Tonnes Under (222): 0.706 Million Tonnes	Under (111): 0.570 Million Tonnes Under (122): 0.419 Million Tonnes Under (211): 1.498 Million Tonnes Under (222): 0.706 Million Tonnes	-

1f	General remarks of inspecting officer on geology, exploration etc.	NIL
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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: In between local coordinates (1) S45 to S115 and E80 to E175 (2) N05 to N125 and S45 to S115	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 mineral (Rule 13)	Topsoil: NIL OB: NIL Ore/Mineral: 05 nos.	Topsoil: NIL OB: NIL Ore/Mineral: 03 nos.	Bench height as proposed in the approved document not maintained
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	The entire development has been proposed within the existing quarry.
2d	Quantity of topsoil generation in m3	No topsoil will be generated during review period.	Not applicable.	-
2e	Quantity of overburden generation in m3	No overburden will be generated during review period.	Not applicable.	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Deviation in the proposal for development has been pointed out.		

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	2018-19: 72200.00 Metric Tonnes	2018-19: 14500.00 Metric Tonnes	-
3c	Recovery of salable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No Mineral Reject will be generated during review period.	The entire development has been done within working quarry.	-
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 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	Mechanised Crushing and Screening.	Mechanised Crushing and Screening.	-
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 mm Spacing: 1.1 m Burden: 1.0 m Depth: 2.0 m	Dia: 32 mm Spacing: 1.1 m Burden: 1.0 m Depth: 2.0 m	-
3k	Provision of mining machineries in mineral benches	<ol style="list-style-type: none"> 1. Jack Hammer 04 nos. with 32 mm dia 2. Compressor 01 no. with 650 cfm 3. Excavator 01 no. with 1.25 cum bucket 4. Dumper 3 nos. with 10 tonnes capacity 5. Water Tanker 01 no. with 10,000 liters capacity 	<ol style="list-style-type: none"> 1. Jack Hammer 04 nos. with 32 mm dia 2. Compressor 01 no. with 650 cfm 3. Excavator 01 no. with 1.25 cum bucket 4. Dumper 3 nos. with 10 tonnes capacity 5. Water Tanker 01 no. with 10,000 liters capacity 6. Water Pump 02 nos. with 5.0 	-

		6. Water Pump 02 nos. with 5.0 HP capacity 7. Jeep/Pool Car 01 no.	HP capacity 7. Jeep/Pool Car 01 no.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: 0.5 m OB: 1.0 to 2.0 m Mineral: 3.0 to 5.0 m	Topsoil: 0.5 m OB: 1.0 to 2.0 m Mineral: 10.0 to 15.0 m	Bench height has not been maintained as per proposal.
3m	Total area covered under excavation/pits	7.514 Ha. up to end of review period.	7.514 Ha.	As per submitted annual returns. Updated plan and sections have not been submitted. Deviation has been pointed out.
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	-
3o	Total area put in use under different heads at the end of year	Pit- 7.514 Ha. Waste/reject- NIL Others- NIL	Pit- 7.514 Ha. Waste/reject- NIL Others- NIL	-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2014-15: 68000.00 Metric Tonnes Yr- 2015-16: 70000.00 Metric Tonnes Yr- 2016-17: 74000.00 Metric Tonnes Yr- 2017-18: 56370.00 Metric Tonnes Yr- 2018-19: 72200.00 Metric Tonnes	Yr- 2014-15: 60000.00 Metric Tonnes Yr- 2015-16: 62000.00 Metric Tonnes Yr- 2016-17: 52650.00 Metric Tonnes Yr- 2017-18: 16700.00 Metric Tonnes Yr- 2018-19: 14500.00 Metric Tonnes	-
3q	General remarks of inspecting officer on method of mining etc.	NIL		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral	No proposal has been given in the	Not applicable.	-

	reject (Rule 36, 37)	approved document for dumping of topsoil, OB and Mineral reject.		
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	-do-	-do-	-
4c	Number of dumps within lease area and outside lease area	Dumping within lease area has not been proposed.	Not applicable.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Not mentioned in the approved document.	Not applicable.	-
4e	Number of active & alive dumps	Not proposed in the approved document.	Not applicable.	-
4f	Number of dead dumps	-do-	-do-	-
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	NIL		

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 has been given for full extraction of mineral from mine before start backfilling before conceptual stage.	Not applicable as on date.	-
5b	Area under backfilling of mined out area	Along the lease boundary at 7.5 m barrier zone.	Not done.	Deviation for non achievement of backfilling proposal has been pointed out.

5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Proposal has not been given in the approved document.	Not applicable.	-
5d	Total area fully reclaimed & rehabilitated	Along the lease boundary at 7.5 m barrier zone, where the mineral has been mined out.	No done.	Deviation has been pointed out.
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.	Not submitted for F.Y. 2018-19.	Could not be ascertained.	
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	0.380 Ha. 0200 Ha. 400 nos. 600 nos. By plantation Not mentioned.	Nil; Not achieved Not done Not done Not achieved. Not done NIL	Deviation has been pointed out.
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	Not proposed in the approved document.	Not applicable	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha)	-do-	-do-	-

	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not proposed in the approved document.	Periodic monitoring date of Environmental parameters has not been maintained.	Deviation has been pointed out.
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	Mechanised crushing, Sizing and Screening.	Being done as per proposal.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	-do-	-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	NIL		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	No topsoil present in the area, and no topsoil will be generated during review period.	Not applicable.	-
8b	Concurrent use or storage of topsoil	-do-	-do-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Proposal has not been given in the approved document for dumping of OB, waste rock, rejects and fines.	Several small stocks of mineral/ore has been made within lease area, without any proposal.	Deviation has been pointed out.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has not been given in the approved document.	Not applicable.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining	Backfilling at 7.5 m mined out area has been proposed in the approved document.	Not applicable.	-

	operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Existing Plantation: 200 nos. During F.Y. 2017-18: 400 nos.	Not done.	Deviation has been pointed out.
8g	Survival rate	Not mentioned in the approved document.	NIL	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling through water tanker has been proposed.	Being done as per proposal.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	NIL		

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: Shri Fanesh Thakur, Geologist: Not appointed Manager: Not given.	Mining Engineer: Shri Fanesh Thakur, Geologist: Not appointed Manager: Not given.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 15.608 Ha. Waste/reject- NIL Others- 0.260 Ha.	Excess area has been utilised without any proposal.	Deviation has been pointed out.
9d	Scrutiny of Annual return on Afforestation	Nil plantations.	No plantation has been done.	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject: NIL Grade: Not mentioned.	No mineral reject present in the mine.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM/Graded Ore Closing Stock: 1127.00 Metric Tonnes	ROM/Graded Ore Closing Stock: 1127.00 Metric Tonnes	Up to June 2019
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: Rs. 4384200.00 Ex-Mine Price: Rs. 301.00 Cost of Production: Rs.	Sale Value: Rs. 4384200.00 Ex-Mine Price: Rs. 301.00 Cost of Production: Rs. 228.00	-

		228.00		
9i	Scrutiny of Annual return on fixed assets	Rs. 0.0	Rs. 0.0	-
9k	Scrutiny of Annual return on mining machineries	Given in the annual returns.	Given.	-

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: 18/08/2018

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 Review of Mining Plan vide DRG/LST/MPLN-1115/2017-RPR, Raipur dated 24/10/2017 for the period of 2017-18 to 2021-22:</p> <p>Development: There was a proposal given for development and excavation of mineral/ore During F.Y. 2018-19:</p> <p>(1) S45 to S115 and E80 to E175 (2) N05 to N125 and S45 to S115</p> <p>Whereas, Mining is being done irregularly in several places without any approved proposal. No such proposal has been given in the approved MMP for mining at 7.5 m barrier zone. Development and excavation was observed all along the lease boundary, and most of places in 7.5m barrier zone has been mined out.</p> <p>Stacking of Mineral/Ore: In the approved Modified Mining Plan, no such proposal has been given for stacking of Mineral/Ore, whereas, several small stacks of ore/mineral has been done in scattered manner, without any proposal.</p> <p>Backfilling: There was a proposal for backfilling at all along the lease boundary at 7.5 m barrier zone, where the mineral has been mined out completely. Whereas, no backfilling has been done.</p> <p>Afforestation: There was a proposal for plantation of 400 nos. of plants during 2017-18. Whereas, None of the plants have been planted.</p>
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 2018-19.
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.
Rule 40, 41 & 42	Periodical monitoring data of environmental parameters have not been maintained.
Rule 45 (7)	<p>Annual Return 2017-18 and 2018-19:</p> <p>Part I:</p> <p>Annual Return for the Financial Year 2018-19 has been scrutinized; it has been found that an area of 8.094 Ha. has been shown as abandoned opencast mining, whereas, no part of the lease is abandoned. Moreover total area degraded is exceeding from the area for which Financial Assurance given.</p> <p>Financial Assurance in the form of Bank Guarantee for the excess used lease area has to be submitted under rule 27(1) of MCDR, 2017 to the authorized officer.</p>

नियम	उल्लंघन के प्रकार का विस्तृत ब्योरा
Rule 45 (7)	Annual Return 2017-18 and 2018-19: Part VI: The Consignee name and registration no. as allotted by IBM to the buyer, have not been mentioned in the returns.
Rule 46	Notice of Certain Appointment: Appointment notice of Manager (Mines) has not been sent in the prescribed format to the authorized officer within fifteen days from the date of such appointments.
Rule 55	Whole-time Geologist has not been appointed.

(Name of the Inspecting Officer and Designation and Date)

(Shaival Kartikeya)
Jr. Mining Geologist
Indian Bureau of Mines, Raipur
Date of Inspection: 28/06/2019