

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	Accompanying Mine Official with Designation	Shri Ripusudan Verma, Lessee
3	Date of inspection	18/09/2019
4	Name of the Mine	Bhatbhera Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: NIL Non-Forest: 4.808 Ha. Total Lease Area: 4.808 Ha.
6	Mine Code	38CHG14020
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5655/2011
8	Name of the lessee, Address, phone, email and fax number	Shri Ripusudan Verma Village & P.O. Suhela, Tehsil Simga, District Balodabazar Bhatapara Chhattisgarh, Pin Code: 493 195 Email: yugal2504@gmail.com Phone: +91 (0) 7726-286220 Mobile: +91 (0) 9406202523
9	Village	Bhatbhera
10	Taluka / Mandal / District	Tehsil Simga, District Balodabazar Bhatapara
11	State	Chhattisgarh
12	Post office & PIN	Suhela, Pin Code: 492 195
13	Nearest police station	Suhela
14	Nearest Railway station	Hathbandh
15	Date of Grant of Mining Lease	06/06/1986 to 05/06/2006 (20 Years)
16	Date of Execution	06/06/1986
17	Date of opening of Mine	01/07/2002
18	Date of first Renewal, if applicable and its period & expiry	06/06/2006 to 05/06/2026 (20 years)
19	Date of second Renewal, if applicable and its period & expiry	As per section 8A of MMDR Amendment Act, 2015, lease period has been extended for 50 years. Supplementary lease agreement for extended period has been made. 06/06/2026 to 05/06/2036 (10 years) Initially Mining Lease was granted to Shri Moolchand Jain S/o Late Shri Amarchand Jain Durg. Later on Mining Lease has been transferred from Shri Moolchand Jain to Shri Ripu Sudan Verma on 22/03/2002
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
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed Deviation has been pointed out.
25	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.
26	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. RAP/LST/MPLN-973/NGP Nagpur dated 16/08/2007 Proposal Period: 2006-07 to 2010-11 Modified Mining Plan approved vide letter no. BBZR/LST/MPLN-1060/2016-RPR Raipur dated 21/12/2016 Proposal Period: 2016-17 to 2020-21
27	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. RAP/LST/MPLN-973/NGP Nagpur dated 10/03/2015 Proposal Period: 2011-12 to 2015-16
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)	Category 'A Fully Mechanised'
31	Captive/Non Captive	Non-Captive
32	Existing EC Limit and validity	Not obtained
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	As per latest approved MMP, 4.042 Ha. area has been considered under various heads for utilization and calculation of Financial Assurance. Bank Guarantee Rs. 2,00,000/- (Rupees Two Lakhs Only) vide BG no. 0698IGFIN000114 dated 07/04/2014 Validity: 07/04/2014 to 03/04/2024 Rs. 8,00,000/- (Rupees Eight Lakhs Only) vide BG no. BG/17-18/78 dated 15/12/2017

	<p>Validity: 15/12/2017 to 14/12/2021 (Rs. 10,00,000/- (Rupees Ten Lakhs Only) has been submitted.)</p> <p>Difference of the Financial Assurance in the form of Bank Guarantee of Rs. 2,12,600/- has not been submitted as per rule 27(1) of MCDR, 2017 to the authorised officer.</p> <p>Deviation for less submission of Financial Assurance in the form of Bank Guarantee has been pointed out.</p>
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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	2017-18: 02 nos. of core bore holes with cumulative depth of 60 meters.	None of the boreholes have been drilled so far.	Deviation has been pointed out
1b	Exploration over lease area for Geological axis 1 or 2.	As per the approved document, the entire lease area has been explored under G1 Level.	Not applicable	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Detailed of the exploration agency has not been mentioned in the approved document.	No exploration has been carried out during MMP period.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per the approved document, the entire lease area has been explored under G1 Level.	Not applicable	-
1e	Balance reserves as on 01.04.2019 (in Million Tonnes)	Under (111): 1.884 Million Tonnes Under (221): 1.312 Million Tonnes	Under (111): 2.035 Million Tonnes Under (221): 1.312 Million Tonnes	-
1f	General remarks of inspecting officer on geology, exploration etc.	<p>Mine is temporarily discontinued since August 2017 due to no Environment Clearance.</p> <p>Notice of temporary discontinuance of the mine has not been sent. Deviation has been pointed out.</p>		

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 co-ordinates N087 to N287 and W122 to E036	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 along the lease boundary pillar no. 04 to 14, and some places 7.5 m 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: 02 nos.	Topsoil: NIL OB: NIL Ore/Mineral: 01 nos.	-
2c	Stripping ratio or ore to OB ratio	2018-19: 1: 0.12	NIL production during F.Y. 2018-19	-
2d	Quantity of topsoil generation in m3	1125 CuM	NIL generation of topsoil during F.Y. 2018-19.	-
2e	Quantity of overburden generation in m3	Waste: 2200 CuM	NIL generation of OB/Waste during F.Y. 2018-19.	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine is temporarily discontinued since August 2017 due to no Environment Clearance.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01no.	03 to 04 nos.	Irregular working has been found.
3b	Quantity of ROM mineral production proposed	104500.00 Metric Tonnes	NIL during F.Y. 2018-19	-
3c	Recovery of salable/usable mineral from ROM production	95%	-do-	-
3d	Quantity of mineral reject generation	No mineral reject will be generated during plan period.	The entire development has been proposed in the existing quarry in mineral benches.	-

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 mineral sub-grade will be generated during plan period.	The entire development has been proposed in the existing quarry in mineral benches.	-
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document.	Not applicable	-
3h	Manual / Mechanised method adopted for segregating from ROM	No method has been proposed in the approved document for segregation of mineral/ore.	Not applicable. ROM was directly dispatched from the mine to the buyers.	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation process has been proposed in the approved document during plan period.	Not applicable.	-
3j	Provision of drilling & blasting in mineral benches	Dia: 85.0 mm Spacing: 3.0 m Burden: 3.0 m Depth: 5.0 m	Could not be ascertained as the Mine is temporarily discontinued due to no Environment Clearance since August 2017.	-
3k	Provision of mining machineries in mineral benches	1) Excavator with rock breaker attachment 01 no. with 2.1 CuM bucket capacity 2) Dumpers 03 nos. with 20 Metric Tonnes capacity 3) Drilling Machine 02 nos. with 85 mm and 34 mm dia	Could not be ascertained as the Mine is temporarily discontinued due to no Environment Clearance since August 2017.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: NIL OB/Waste: NIL Ore/Mineral: 6.0 – 6.5 m	Topsoil: 0.5 m – 1.5 m OB/Waste: NIL Ore/Mineral: 6.0 – 10.0 m	-
3m	Total area covered under excavation/pits	3.020 Ha. up to end of plan period.	Could not be ascertained as the Mine is temporarily	Deviation has been pointed

			discontinued due to no Environment Clearance since August 2017 and updated plan and sections have not been prepared and submitted to the authorised officer.	out.
3n	Ore to OB ratio for the pit/mine during the year	1:0.12	NIL production during F.Y. 2018-19	-
3o	Total area put in use under different heads at the end of year	Pit- 3.020 Ha. Waste/reject- 0.754 Ha. Others- 0.268 Ha.	Could not be ascertained as the Mine is temporarily discontinued due to no Environment Clearance since August 2017 and updated plan and sections have not been prepared and submitted to the authorised officer.	-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2014-15: 89775.00 Metric Tonnes Yr- 2015-16: 89775.00 Metric Tonnes Yr- 2016-17: 104500.00 Metric Tonnes Yr- 2017-18: 104500.00 Metric Tonnes Yr- 2018-19: 104500.00 Metric Tonnes	Yr- 2014-15: 51453.360 Metric Tonnes Yr- 2015-16: 46658.480 Metric Tonnes Yr- 2016-17: 104349.00 Metric Tonnes Yr- 2017-18: 58801.420 Metric Tonnes Yr- 2018-19: NIL Metric Tonnes	-
3q	General remarks of inspecting officer on method of mining etc.	The Mine is temporarily discontinued due to no Environment Clearance since August 2017.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Proposal has been given in the approved document for separate dumping of topsoil, OB & mineral reject.	Not done according to the proposal given in the approved document.	Deviation has been pointed out.
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot)	Topsoil & OB/Waste: In between local co-ordinates N013 to	Ore mixed with topsoil has been stacked with waste rock at several	Deviation has been pointed out.

	No./Location)	N183 & W035 to E095	places within and outside of the lease area.	
4c	Number of dumps within lease area and outside lease area	Topsoil: 01 no. OB/Waste: 01 no. Mineral Reject: 01 no.	Dumping of topsoil, OB/Waste and Mineral reject have been done in irregular manner at several places within and outside lease area.	Deviation has been pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Dumping has been proposed beyond ultimate pit limit.	Not done according to the proposal given in the approved document.	-do-
4e	Number of active & alive dumps	Topsoil: 01 no. OB/Waste: 01 no. Mineral Reject: 01 no.	Dumping of topsoil, OB/Waste and Mineral reject have been done in irregular manner at several places within and outside lease area.	Deviation has been pointed out.
4f	Number of dead dumps	Proposal has not been given in the approved document for dead dumps.	No dead dumps have been observed within lease area.	-
4g	Number of dumps stabilised	Proposal has been given in the approved document for plantation over dumps.	Not done.	Deviation has been pointed out.
4h	Whether Retaining wall or garland drain all along dumps are there	Dump will be protected by garland drain and Afforestation.	Not done.	Deviation has been pointed out.
4i	Length of Retaining wall or garland drain all along dump	Not mentioned in the approved document.	Not applicable.	-
4j	Number of settling ponds	Proposal has not been given in the approved document for construction of settling ponds.	Not applicable.	-
4k	Specific comments of inspecting officer	The Mine is temporarily discontinued due to no Environment Clearance since August 2017.		

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	Proposal for full extraction of mineral from mined out area	Not applicable as on date.	-

	starting backfilling	before starting backfilling has been given during conceptual stage.		
5b	Area under backfilling of mined out area	Proposal has not been given in the approved document for backfilling in the area.	Not applicable.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	1125 CuM topsoil will be generated during F.Y. 2018-19 and same will be utilised for plantation purpose.	Not done	-
5d	Total area fully reclaimed & rehabilitated	Proposal has not been given in the approved document for reclamation and rehabilitation.	Not applicable.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling should be done along the lease boundary pillar no. 04 to 14 at 7.5 m barrier zone, where the development has been done and mineral has been mined out.		

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	Deviation has been 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	0.112 Ha. 0.336 Ha. 200 nos. 600 nos. By plantation Rs. 30000/-	0.112 Ha. NIL Not achieved Not achieved By plantation 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	Proposal has not been given in the approved document for reclamation and rehabilitation.	Lease area not matured for reclamation and rehabilitation.	-

	iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	200 nos. 0.112 Ha. By Plantation	Not done Not done Not done	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of Ambient Air, Water and Noise Vibration at Core and Buffer Zone.	Not done.	Deviation has been pointed out
6f	General remarks of inspecting officer on PMCP compliance & progressive	The Mine is temporarily discontinued due to no Environment Clearance since August 2017.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM will be sorted and sized with the help of rock breaker.	Could not be ascertained as the Mine is temporarily discontinued due to no Environment Clearance since August 2017.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting with the help of hand picking.	-do-	-
7c	Different grade of mineral sorted out at mines	Above 46% CaO will be hand sorted as per the specification of the buyers.	-do-	-
7d	Any beneficiation process at mines	No beneficiation process at mines has been proposed in the approved document.	Not applicable.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The Mine is temporarily discontinued due to no Environment Clearance since August 2017.		

8.0 Environment

File No. CG/RAP/LST-62/NGP

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Proposal has been given in the approved document for separate removal and utilization of topsoil.	Not done according to the proposal.	Deviation has been pointed out.
8b	Concurrent use or storage of topsoil	Proposal has been given in the approved document for concurrent use of topsoil.	-do-	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumping of overburden, waste rock, rejects and fines has been proposed in the approved document.	-do-	-do-
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 for ground restoration during review period.	Not applicable	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal has not been given in the approved document for Phased restoration, reclamation and rehabilitation of lands affected by mining operations during review period.	Not applicable	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	200 nos. saplings will be planted every year.	Not done.	Deviation has been pointed out.
8g	Survival rate	Not mentioned in the approved document.	No plantation has been done during last review period.	-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads through water tanker.	Could not be ascertained as the mine is non-operational since August 2017	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The Mine is temporarily discontinued due to no Environment Clearance since August 2017.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – August 2019 A.R. submitted upto- F.Y. 2017-18	AR for F.Y. 2018-19 not submitted.

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	No information is available.	A.R. for F.Y. 2018-19 has not been submitted.	Deviation has been pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-do-	-do-	-do-
9d	Scrutiny of Annual return on Afforestation	-do-	-do-	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	-do-	-do-	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-do-	-do-	-do-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	-do-	-do-	-do-
9i	Scrutiny of Annual return on fixed assets	-do-	-do-	-do-
9k	Scrutiny of Annual return on mining machineries	-do-	-do-	-do-

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

Rule 27(2) and 35 (2) of MCDR, 2017

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

Shri J. S. Hada, Asstt. Mining Geologist, Date of Inspection: 10/09/2017

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
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.
Rule 27 (2)	पहले से प्रस्तुत वित्तीय आश्वासन और खनिज संरक्षण एवं विकास नियमावली 2017 की अधिसूचना की तारीख को बकाया वित्तीय आश्वासन के बीच के अंतर के बराबर की राशि प्राधिकृत अधिकारी को यथास्थिति, अधिसूचना की तारीख (27 फरवरी 2017) से 90 दिनों की अवधि के भीतर प्रस्तुत की जानी चाहिए। आपके द्वारा प्रस्तुत किए गए वित्तीय आश्वासन की राशि में रु 212600/- कम जमा किए गए हैं। अतः रु 2,12,600/- का अतिरिक्त वित्तीय आश्वासन के रूप में प्राधिकृत अधिकारी के समक्ष प्रस्तुत करना अनिवार्य होगा।
Rule 28 (1)	Notice of Temporary Discontinuance has not been sent to the authorized officer within one hundred and twenty days from the date of such discontinuance as the mine is non operational from August 2017.
Rule 35	Online self assessment report of mining and allied activities as per the notified template of star rating in the format prescribed by the Indian Bureau of Mines for the year 2018-19 has not been submitted.
Rule 45 (5) (c)	वार्षिक विवरणियाँ : खान की वित्त वर्ष 2018-19 की वार्षिक विवरणियाँ ऑनलाइन नहीं भरी गई हैं एवं विवरणियों की प्रति क्षेत्रीय खान नियंत्रक, रायपुर को प्रेषित नहीं की गई है। वार्षिक विवरणियाँ www.ibm.gov.in पर ऑनलाइन भर कर वित्तीय वर्ष की समाप्ति के बाद अगली 1 जुलाई के भीतर इस कार्यालय को प्रेषित की जानी चाहिए।
Rule 54	Labour attendance register, Daily Production register, Records of contribution of DMF & NEMT have not been maintained.

(Name of the Inspecting Officer and Designation and Date)

Shaival Kartikeya
Jr. Mining Geologist
Indian Bureau of Mines, Raipur
Date of inspection: 18/09/2019