

**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 Kedar Lal Sharma, Representative of the Lessee
3	Date of inspection	18/03/2021
4	Name of the Mine	Bitkuli Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: NIL Non- Forest: 3.603 Ha. Total Lease Area: 3.603 Ha.
6	Mine Code	38MPR28019
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/12367/2012
8	Name of the lessee, Address, phone, email and fax number	Shri G. P. Madharia, Madharia Complex, Near Maharaja Chowk, Mukht Nagar, P.O. & District – Durg (Chhattisgarh) - 491001 Email: khemlalverma45@gmail.com Mobile: +91 (0) 9753152650  <b>Corresponding Address:</b> Shri G. P. Madharia, C/o Shri Khemlal Verma, Teachers Colony, Bajrang Ward No. 5, P.O. Tilda, District – Raipur (Chhattisgarh) – 493 114 Mobile: +91 (0) 9669399652
9	Village	Bitkuli
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	06/08/1986 26/09/1986 to 25/09/1996 (10 Years)
16	Date of Execution	26/09/1986
17	Date of opening of Mine	30/09/1986
18	Date of first Renewal, if applicable and its period & expiry	26/09/1996 to 25/09/2016 (20 Years)
19	Date of second Renewal, if applicable and its period & expiry	Not done so far.  As per section 8A of MMDR Amendment Act, 2015, Mining lease has been extended for 50 years from the date of execution of mining lease.  <b>Supplementary lease agreement for extended period has not been made.</b>  Validity of the mining lease has been expired on 25/09/2016.

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20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	No record 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
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed  <b>Deviation has been pointed out.</b>
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Not appointed  <b>Deviation has been pointed out.</b>
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	<b>Mining Plan</b> approved vide letter no. RAP/LST/MPLN-254/NGP Nagpur dated 12/02/1993 Proposal Period: 1991-92 to 1995-96  <b>Mining Plan</b> approved vide letter no. RAP/LST/MPLN-254/NGP Nagpur dated 12/01/1999 Proposal Period: 1998-99 to 2002-03  <b>Modified Mining Plan</b> approved vide letter no. BBZ/LST/MPLN-1087/2017-RPR Raipur dated 23/05/2017 Proposal Period: 2017-18 to 2020-21  <b>Lapse Period:</b> 1996-97 to 1997-98 (02 years) 2003-04 to 2016-17 (14 years)
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NIL
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

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32	Existing EC Limit and validity	ROM Production: 37500.00 Metric Tonne Per Annum obtained from the State Level Environment Impact Assessment Authority, Chhattisgarh, Ministry of Environment, Forest and Climate Change, Government of India vide letter no. 564//SEAC C.G./SIA/C.G./MIN/627 Naya Raipur dated 26/08/2017.
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs. 10,00,000/- (Rupees Ten Lakhs) vide Bank Guarantee No. 0732IGPER010317 dated 06/05/2017 Validity: 06/05/2017 to 05/05/2022  Rs. 2,00,000/- (Rupees Two Lakhs) vide Bank Guarantee No. 029317IGFIN0001 dated 0/01/2017 Validity: 09/01/2017 to 31/03/2022

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	2020-21: 02 nos. of core boreholes with the cumulative depth of 100 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.	Under G1 Level: 3.603 Ha.	-do-	-do-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Estimated Cost: 2,50,000/- Name of the Exploration Agency is not mentioned in the approved document.	-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): 0.8299 Million Tonnes Under (221): 0.572 Million Tonnes	Under (111): 0.9424 Million Tonnes Under (222): 1.5873 Million Tonnes	-
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

**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)	<b>2019-20:</b> in between local co-ordinates N080 to N180 and E045 to E110	<b>2019-20:</b> Mining is being done irregularly in several places without any approved proposal.	Deviation has been pointed out.

			<p>No such proposal has been given in the earlier approved MMP for mining at 7.5 m barrier zone.</p> <p>Development and excavation was observed along the lease boundary pillar no. 01 to 4 and pillar no. 4 to 3, wherein, 7.5 m barrier zone has been mined out completely and the backfilling along 7.5 m barrier zone is progress.</p>	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil/Overburden: 01 no. Mineral/Ore: 03 nos.	Topsoil/Overburden: 01 no. Mineral/Ore: 03 nos.	-
2c	Stripping ratio or ore to OB ratio	1 : 0.05	1 : 0.0	No waste/overburden has been generated during F.Y. 2019-20. Even no record has been maintained.
2d	Quantity of topsoil generation in m3	No topsoil will be generated during F.Y. 2019-20	No topsoil has been generated during F.Y. 2019-20	-
2e	Quantity of overburden generation in m3	Overburden: 100 CuM	Could not be ascertained as no record has been maintained.	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL		

### 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	<b>2019-20:</b> 37500.00 Metric Tonne.	<b>2019-20:</b> NIL.	-

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3c	Recovery of salable/usable mineral from ROM production	95%	100%	-
3d	Quantity of mineral reject generation	<b>2019-20:</b> 1875.00 Metric Tonne.	<b>2019-20:</b> NIL.	-
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 plan 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	95% of mineral will be recovered from the ROM. Mineral/Ore will be segregated within working pit through the excavator before dispatch.	NIL production has been reported during F.Y. 2019-20	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study has been proposed during plan period.	Not applicable	-
3j	Provision of drilling & blasting in mineral benches	<b>Diameter:</b> 34.00 mm to 85.00 mm <b>Spacing:</b> 3.0 Meter <b>Burden:</b> 3.0 Meter <b>Depth:</b> 5.0 Meter	NIL production reported during F.Y. 2019-20	-
3k	Provision of mining machineries in mineral benches	<ol style="list-style-type: none"> <li>1. Elgi Drilling Machine 01 no. with 85 mm dia capacity</li> <li>2. Atlas Copco drilling machine 01 with 34 mm dia.</li> <li>3. Tata Hitachi Excavator with Rock Breaker attachment 01 no. with 2.1 CuM bucket size.</li> <li>4. Tata Hywa 02 nos. with</li> </ol>	Could not be ascertained as no record has been maintained.	-

		20 tonnes capacity.		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height: 5.0 m Bench Width: 10.0 m	Bench Height: 5.0 m Bench Width: 10.0 m	-
3m	Total area covered under excavation/pits	2.849 Ha. up to end of F.Y. 2020-21	2.859 Ha. up to end of F.Y. 2019-20	-
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.05	1 : 0.0	No waste/overburden has been generated during F.Y. 2019-20. Even no record has been maintained.
3o	Total area put in use under different heads at the end of year	<b>Pit-</b> 2.849 Ha. <b>Waste/reject-</b> 0.071 Ha. <b>Others-</b> 0.134	<b>Pit-</b> 2.859 Ha. <b>Waste/reject-</b> 0.027 Ha. <b>Others-</b> 0.148	-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	<b>Yr- 2015-16:</b> Not Projected <b>Yr- 2016-17:</b> Not Projected <b>Yr- 2017-18:</b> 37500.00 Metric Tonnes <b>Yr- 2018-19:</b> 37500.00 Metric Tonnes <b>Yr- 2019-20:</b> 37500.00 Metric Tonnes	<b>Yr- 2015-16:</b> NIL <b>Yr- 2016-17:</b> NIL <b>Yr- 2017-18:</b> 300 Metric Tonnes <b>Yr- 2018-19:</b> NIL <b>Yr- 2019-20:</b> 2076 Metric Tonnes	<b>Lapse Period:</b> 2003-04 to 2016-17 (14 years)
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 reject (Rule 36, 37)	Proposal has been given in the approved document for separate dumping of mineral/ore, waste/overburden and mineral reject.	Being done as per proposal.	-
4b	Location of topsoil, OB & mineral reject dumps	In between local co-ordinates	No stock of mineral reject has been	-

	(Range in UTM/Local Coordinate/Plot No./Location)	Mineral Reject: N150 to N205 and E130 to E170	found within mining lease rea.	
4c	Number of dumps within lease area and outside lease area	01 no.	No dumps have been found within mining lease area.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed temporary dumping within ultimate pit limit.	-do-	-
4e	Number of active & alive dumps	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	Proposal has been given in the approved document for construction of garland rain along reject dump.	No dumps have been found within mining lease area.	-
4i	Length of Retaining wall or garland drain all along dump	Not mentioned in the approved document.	-do-	-
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	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 in the approved document for full extraction of the mineral/ore from the mining lease before start backfilling.	Mineral/ore has not been mined out completely from the mining lease area. Backfilling along pillar no. 1 to 4 and 4 to 3 is required as the mineral has been mined out along 7.5 m barrier zone.	-
5b	Area under backfilling of mined out area	No proposal has been given in the approved document for backfilling in the mined out area.	Backfilling along pillar no. 1 to 4 and 4 to 3 is required as the mineral has been mined out	-

			along 7.5 m barrier zone.	
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	No proposal has been given in the approved document for reclamation and rehabilitation during plan period.	Backfilling along pillar no. 1 to 4 and 4 to 3 is required as the mineral has been mined out along 7.5 m barrier zone.	-
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	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	No proposal has been given in the approved document for plantation over the worked benches.	Not applicable.	-
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	No proposal has been given in the approved document for reclamation and rehabilitation.	Backfilling along pillar no. 1 to 4 and 4 to 3 is required as the mineral has been mined out along 7.5 m barrier zone.	-



6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	120 nos. 0.12 Ha. By plantation	NIL plantation has been done during F.Y. 2019-20	Deviation has been pointed out.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	No proposal has been given in the approved document for monitoring of the environmental monitoring.	Not done.	-
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	Proposal has been given in the approved document for segregation of the mineral/ore from the ROM with 95% recovery.	NIL dispatch has been reported during F.Y. 2019-20.	-
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	No beneficiation study has been proposed in the approved document during plan period.	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 will be generated during F.Y. 2019-20	No topsoil has been generated during F.Y. 2019-20	-
8b	Concurrent use or storage of topsoil	-do-	-do-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Proposal has been given in the approved document for separate and	No reject dump has been found during inspection.	-

		temporary dumping of mineral reject in between local co-ordinates N150 to N205 and E130 to E170		
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal has been given in the approved document for use of overburden, waste rock, rejects and fines dumps for the restoring the land to its original stage.	Backfilling along pillar no. 1 to 4 and 4 to 3 is required as the mineral has been mined out along 7.5 m barrier zone.	-
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)	2019-20: 120 nos. sapling will be plated	Non of saplings have been planted.	Deviation has been pointed out.
8g	Survival rate	Not mentioned in the approved document.	-do-	-
8h	Water sprinkling on roads to control airborne dust	No proposal has been given in the approved document for water sprinkling on roads.	Not done.	-
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 – February 2021 A.R. submitted upto- F.Y. 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	<b>Manager:</b> Shri K. L. Sharma <b>Mining Engineer:</b> Not appointed <b>Geologist:</b> Not appointed	<b>Manager:</b> Not appointed <b>Mining Engineer:</b> Not appointed <b>Geologist:</b> Not appointed	-
9c	Scrutiny of Annual return on land use pattern for area under pits,	<b>Pit-</b> 2.859 Ha. <b>Waste/reject-</b> 0.027 Ha.	<b>Pit-</b> 2.859 Ha. <b>Waste/reject-</b> 0.027 Ha.	-

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	reclaimed area, dumps etc.	<b>Others- 0.148</b>	<b>Others- 0.148</b>	
9d	Scrutiny of Annual return on Afforestation	NIL Planted during F.Y. 2019-20	NIL Planted during F.Y. 2019-20	Deviation has been pointed out.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No mineral reject has been generated during F.Y. 2019-20	No mineral reject has generated during F.Y. 2019-20.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	<b>Closing Stock:</b> ROM: NIL Graded Ore: 5576.000 Metric Tonne.	<b>Closing Stock:</b> ROM: NIL Graded Ore: 5576.000 Metric Tonne.  Without production of 3200.000 Metric Tonne of Cement grade Limestone, closing stock has been increased in the annual returns for the F.Y. 2018-19	Deviation has been pointed out.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	<b>Sale Value:</b> Rs. 913440.00 <b>Ex-Mine Price:</b> 440.00 Per Metric Tonne <b>Cost of Production:</b> 440.00	<b>Sale Value:</b> Rs. 913440.00 <b>Ex-Mine Price:</b> 440.00 Per Metric Tonne <b>Cost of Production:</b> 440.00	With Zero dispatch of Limestone, Sale Value has been shown as Rs. 913440.00
9i	Scrutiny of Annual return on fixed assets	Rs. 1800000/-	Rs. 1800000/-	-
9k	Scrutiny of Annual return on mining machineries	Not given in the annual returns	Deviation has been pointed out.	-

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

No outstanding violations have been found.

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

Shri R. K. Das, Sr. Asstt. Controller of Mines, Date of Inspection 04/03/2020

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
नियम संख्या 11 (1)	The following deviations have been found in the mine from the approved Modified Mining Plan vide letter no. BBZ/LST/MPLN-1087/2017-RPR Raipur dated 23/05/2017 for the period of F.Y. 2017-18 to 2020-21: <b>Exploration:</b> During F.Y. 2019-20; it was proposed to carry out 02 nos. of Core Boreholes up to a cumulative depth of 100 meters; whereas, none of boreholes have been drilled. <b>Development:</b> In the approved Review of Mining Plan, there was a proposal given for the production and development during the financial year 2019-20 in between local co-ordinates: N080 to N180 and E045 to E110, whereas, production and development is being done in irregular and unscientific manner at many places within lease area without any approved proposal. Along boundary pillar no. 1 to 4 and 4 to 3 at 7.5 m barrier zone has been mined out without any approved proposal. <b>Afforestation:</b> There was a proposal given for plantation of 100 nos. of plants during 2019-20. Whereas, NIL plantation has been done.
नियम संख्या 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.
नियम संख्या 33	Updated print copy of the surface geological plan and sections has not been submitted before 30th day of June for the financial year 2018-19.
नियम संख्या 45 (7)	<b>Monthly Return October 2018:</b> <b>Part - II (Production, Dispatches And Stock); 2. Grade-wise production, Dispatches, Stocks and Ex-mine prices of Processed ore (Limestone):</b> Without production of ROM and Grade-wise Ore, Opening and Closing stock of Cement Grade Limestone has been increased by 3200.00 Metric Tonnes. Further, this stock is still reflecting up to the Monthly Returns for the month of February 2021. <b>Annual Return F.Y. 2019-20:</b> <b>Part - VI (Production, Dispatches And Stock); 5. Sales/Dispatches effected for Domestic Consumption and for exports (Limestone):</b> With Zero dispatch of Limestone, Sale Value has been shown as Rs. 913440.00
नियम संख्या 55	Whole-time Mining Engineer and a Geologist are 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: 18/03/2021