

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	Date of inspection	15/10/2018
3	Name of the Mine	Mopar Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: 0.0 Ha. Non-Forest: 13.25 Ha. Total Lease area: 13.25 Ha.
5	Mine Code	38CHG14018
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/14283/2012
7	Name of the lessee, Address, phone, email and fax number	Shri Kapil Agrawal S/o Shri Kedar Agrawal, C-66, Sector 4, Devendra Nagar, Raipur District: Raipur (Chhattisgarh)-492004 Phone:0771-424004 Email: kapilmining@gmail.com / kapil.mining@yahoo.in
8	Village	Mopar
8	Taluka / Mandal / District	Tehsil: Bhatapara, District: Balodabazar
10	State	Chhattisgarh
11	Post office & PIN	Mopar, Pin Code: 493 331
12	Nearest police station	Sohela
13	Nearest Railway station	Bhatapara 25 Km
14	Date of Grant of Mining Lease	03/10/2002 to 02/10/2022 (20 Years) As per section 8A of MMDR Amendment Act, 2015 Validity of the lease period extended up to 50 years. Supplementary lease deed has not been made for extended period. Mining Lease has been transferred from Shri Sanjay Kumar Sehgal, S/o Shri Satpal Sehgal address Panjabi Colony, Katora Talab, Raipur to Shri Kaipal Agrawal S/o Shri K.P. Agrawal Address C-64/4, Devendra Nagar, Raipur on 30/12/2011
15	Date of Execution	03/10/2002
16	Date of opening of Mine	03/01/2004
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed.

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed.
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed.
23	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.
24	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.
25	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-784/NGP Nagpur dated 16/07/2002 Proposal Period: 2002-03 to 2006-07 Modified Mining Plan approved vide letter no. RAP/LST/MPLN-784/NGP Nagpur dated 09/06/209 Proposal Period: 2004-05 to 2008-09
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1st Scheme of Mining approved vide letter no. RAP/LST/MPLN-784/NGP Nagpur dated 04/10/2010 Proposal Period: 2009-10 to 2013-14 2nd Scheme of Mining approved vide letter no. RAP/LST/MPLN-784/NGP Nagpur dated 27/11/2014 Proposal Period: 2014-15 to 2018-19
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Category 'A' Fully Mechanised
30	Captive/Non Captive	Non-Captive
31	Existing EC Limit and validity	Mining of Limestone 2,00,212.00 Metric Tonnes per year obtained from State Level Environment Impact Assessment Authority Chhattisgarh, Ministry of Environment and Forests, Government of India, Raipur (Chhattisgarh) vide letter no. 249/SEIAA-CG/EC/Mining/RYP/259/2011 Raipur dated 13/12/2012. Valid up to 02/10/2022.
32	Status of Financial Assurance	BG of Rs. 2.0 lakhs submitted Validity 31/03/2019 Difference of the BG as per MCDR, 2017 has not been submitted.

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 scheme period.	Not applicable.	As per last approved scheme of Mining the entire lease area has been explored under G1 Level.
1b	Exploration over lease area for Geological axis 1 or 2.	No exploration has been proposed during scheme period.	Not applicable.	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No exploration has been proposed during scheme period.	Not applicable.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No exploration has been proposed during scheme period.	Not applicable.	The entire lease area has been explored under G1 Level.
1e	Balance reserves as on 01.04.2018 (in Million Tonnes)	Under (111): 4.35 Million Tonnes Under (211): 4.45 Million Tonnes	Under (111): 4.82 Million Tonnes Under (211): 4.45 Million Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	The mine was temporarily discontinued since 01/09/2017.		

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)	In between UTM Coordinates N2393300 to N2393510 and E609030 to E609265	Could not be ascertained as no updated plan and section have been made available during inspection.	Deviation has been pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Top Soil: 01 no. Mineral: 04 nos.	Could not be ascertained as the only quarry was waterlogged during inspection.	-

2c	Stripping ratio or ore to OB ratio	1:0.03	Could not be ascertained as no records have been made.	Deviation has been pointed out.
2d	Quantity of topsoil generation in m3	8800 CuM	Could not be ascertained as no records have been made.	Deviation has been pointed out.
2e	Quantity of overburden generation in m3	NIL generation of waste has been proposed in the approved document.	Could not be ascertained as no records have been made.	Deviation has been pointed out.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There was a proposal given in the approved scheme of mining for waste dumping in the southern side of the lease area. Whereas, a certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner. Deviation 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	2,00,925.00 Metric Tonnes	55230.00 Metric Tonnes	-
3c	Recovery of salable/usable mineral from ROM production	95%	Could not be ascertained as no records have been made.	Deviation has been pointed out.
3d	Quantity of mineral reject generation	NIL generation of mineral reject has been proposed in the approved document.	Could not be ascertained as no records have been made.	Deviation has been pointed out.
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document.	Could not be ascertained as no records have been made.	Deviation has been pointed out.
3f	Quantity of sub-grade mineral generation	NIL generation of sub-grade has been proposed in the approved document.	Could not be ascertained as no records have been made.	Deviation has been pointed out.
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document.	Not Applicable.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual sizing has been proposed before despatch.	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017	-

3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Manual sizing has been proposed before despatch.	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017	-
3j	Provision of drilling & blasting in mineral benches	Dia: 100 mm Spacing: 2.8 m Burden: 2.7 m Depth: 6.0 m	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017	-
3k	Provision of mining machineries in mineral benches	1. Dozer 01 no. 2. DTH drill (100 mm dia) 01 no. 3. Shovel/Excavators (1.25 CuM bucket) 03 nos. 4. Dumpers/Tippers (16 Tonnes) 12 nos. 5. Water tanker (1000 ltrs) 01 no. 6. Water Pump (5 HP) 01 no.	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Top Soil: 01 mtr. Mineral: 06 mtr.	Could not be ascertained as the only quarry was waterlogged during inspection	-
3m	Total area covered under excavation/pits	3.95 Ha. up to end of Scheme Period.	Could not be ascertained as the only quarry was waterlogged during inspection	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.03	Could not be ascertained as no records have been made.	Deviation has been pointed out.
3o	Total area put in use under different heads at the end of year	Pit- 3.95 Ha. Waste/reject- 2.41 ha. Others- 3.32 Ha.	Could not be ascertained as the only quarry was waterlogged during inspection	-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2013-14: 2,00,212.00 Metric Tonnes Yr- 2014-15: 1,92,375.00 Metric Tonnes Yr- 2015-16: 2,00,925.00	Yr- 2013-14: 0.0 Metric Tonnes Yr- 2014-15: 637.00 Metric Tonnes Yr- 2015-16: 176616.70 Metric Tonnes Yr- 2016-17:	-

		Metric Tonnes Yr- 2016-17: 2,00,925.00 Metric Tonnes Yr- 2017-18: 2,00,925.00 Metric Tonnes	98594.67 Metric Tonnes Yr- 2017-18: 55230.00 Metric Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	1. The only quarry was waterlogged during inspection. 2. The mine is temporarily discontinued since 01/09/2017		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Top Soil: in between N2393190 to N2393310 and E608870 to E609270 Mineral: Directly despatch from the quarry.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Top Soil: in between N2393190 to N2393310 and E608870 to E609270 Mineral: Directly despatch from the quarry.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
4c	Number of dumps within lease area and outside lease area	OB: 02 nos.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed beyond ultimate pit limit.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
4e	Number of active & alive dumps	Active: 02 nos.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.

4f	Number of dead dumps	Not proposed in the approved document.	Not applicable.	-
4g	Number of dumps stabilised	Not proposed in the approved document.	Not applicable.	-
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed in the approved document.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
4i	Length of Retaining wall or garland drain all along dump	Not proposed in the approved document.	Not applicable.	-
4j	Number of settling ponds	Not proposed in the approved document.	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 for full extraction of mineral from the mined out area during conceptual period.	The mineral has not been mined out completely so far.	-
5b	Area under backfilling of mined out area	Area not matured for backfilling.	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Concurrent use of topsoil for plantation along the lease boundary in the southern side of the lease area.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
5d	Total area fully reclaimed & rehabilitated	Not proposed in the approved document.	Area not matured for reclamation and rehabilitation.	-
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 on due time.	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	2.4 Ha. NIL 580 nos. 2410 nos. - -	NIL NIL Not done Not done - -	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.	Area not matured for reclamation and rehabilitation.	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	580 nos. - -	Not done - -	Deviation has been pointed out.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given for regular monitoring of environmental parameters.	Not done.	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	Manual Sizing and sorting has been proposed in the approved document before despatch of the mineral from the mine.	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual Sizing and sorting has been proposed in the approved document.	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017.	-
7c	Different grade of mineral sorted out at mines	Manual Sizing and sorting has been proposed in the approved document.	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017.	-
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)	Concurrent use of top soil for plantation purpose has been proposed.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
8b	Concurrent use or storage of topsoil	Concurrent use of top soil for plantation purpose has been proposed.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner	Deviation has been pointed out.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumping for OB, Top Soil and Mineral has been proposed in the earmarked locations.	A certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular	Deviation has been pointed out.

			and unscientific manner	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Restoration the ground has been proposed during conceptual stage of the mine.	Not applicable.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed in the approved document.	Not applicable.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	580 nos. of plants has been proposed for plantation during 2017-18	Nil plantations have been done so far.	-
8g	Survival rate	Not mentioned the approved document.	Not applicable	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling through water tanker has been proposed.	Could not be ascertained as the mine is temporarily discontinued since 01/09/2017.	-
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 – September 2018 A.R. submitted upto- F.Y. 2017-18	-

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	Manager, Mining Engineer and Geologist Not appointed.	Deviation has been pointed out.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Current Working- 0.30 Ha	The mine is temporarily discontinued since 01/09/2017	NIL
9d	Scrutiny of Annual return on afforestation	NIL Given	Deviation has been pointed out.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade &	Not Given.	The mine is temporarily discontinued since	NIL

	quantity)		01/09/2017	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: 3654.070 Metric Tonnes.	Closing Stock: 3654.070 Metric Tonnes.	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: Rs. 13809455.00 Ex Mine Price: Rs. 267.75 Production Cost: Rs. 266.91	Sale Value: Rs. 13809455.00 Ex Mine Price: Rs. 267.75 Production Cost: Rs. 266.91	NIL
9i	Scrutiny of Annual return on fixed assets	NIL Given	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	Given	NIL	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: 09/09/2017

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
Rule 11 (1)	The following deviations have been found in the mine from the approved Scheme of Mining vide letter no. RAP/LST/MPLN-784/NGP Nagpur dated 27/11/2014 for the period of 2014-15 to 2018-19: Boundary Pillars: It has been found that all the pillars does not have their serial/identification numbers. Boundary Pillars are not been constructed and maintained as per specification mentioned in MCR, 2016. Disposal of Waste: There was aproposal given in the approved scheme of mining for waste dumping in the southern side of the lease area. Whereas, a certain quantity of limestone mixed with topsoil and overburden has been dumped all along the quarry in irregular and unscientific manner. Afforestation: There was a proposal given for plantation of 2140 nos. of plants during 2014-15 to 2018-19, whereas, NIL plantations have been done so far.
Rule 11 (4)	The holder of a mining lease shall submit the Mining Plan to the competent authority for review at least one hundred and eighty days before the expiry of five year period. The same has not been submitted by the holder of a Mining Lease.
Rule 14 (3)	The Limestone and Topsoil has been dumped with the overburden and waste material obtained during mining operations.
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.

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
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.
Rule 40, 41 & 42	Periodical monitoring data of environmental parameters have not been maintained.
Rule 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: 15/10/2018