

MCDR INSPECTION REPORT- 2020-21

General

S N	Particulars	Details
1	Name of Inspecting Officer & Designation	ARUN KUMAR GADATIA, ASSISTANT MINING ENGINEER, INDIAN BUREAU OF MINES, RAIPUR
2	Accompany with Mine Officials	SHRI RAJU KUMAR TANDI, MINES MANAGER, SHRI VIKESWAR THAKUR, MINING ENGINEER & SHRI AMIT KUMAR KASHYAP, MINING GEOLOGIST.
3	Name of the Mine	SAHEGAON LIMESTONE MINE
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	FOREST- NIL NON-FOREST- 4.047 HA.
5	Mine code	38MPR13022
6	Date of Inspection	09 MARCH 2022
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/6624/2011
8	Name of the lessee, Address, phone, email and fax number	M/s Ruprela Brothers Sai Kripa, Arjun Niwas, J-4 Green Orchid, Avni Vihar, Daldal Seoni, Mowa, Raipur (Chhattisgarh) – 492007 Phone: 0771-3267999 Mob. +91 (0) 9300624127 Email: stc9044@gmail.com , 9329311888.
9	Village	SAHEGAON
10	Taluka/Mandal	DHAMDHA
11	District	DURG
12	Pincode	490036
13	State	CHHATTISGARH
14	Post office	NANDANI KHUNDANI
15	Nearest police station	NANDANI NAGAR
16	Nearest Railway station	DURG
17	Date of Grant of Mining Lease	06-12-1981
18	Date of Execution	06-12-1981
19	Date of opening of Mine	
20	Date of first Renewal, if applicable and its period & expiry	06-12-2001 TO 05-12-2021
21	Date of second Renewal, if applicable and its period & expiry	06-12-2021 TO 05-12-2031 (10 Years) As per Section 8A of MMDR Amendment Act, 2015, supplementary lease agreement for extended period has been made.
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	No information available.
23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	SANJAY SAO, HOUSE NO.74/K, RAMNAGAR WARD NO. 13, KOHKA BHILAI, DURG (C.G), stc9044@gmail.com , 9329311888
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed.
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	RAJU KUMAR TANDI, SAHEGAON LIMESTONE MINES, DURG (C.G), 7879685761
26	Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	RAJU KUMAR TANDI, B.TECH MINING, SAHEGAON LIMESTONE MINES, DURG (C.G), 7879685761

27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes, Appointed.
28	Date of Approval of Review 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-183/NGP Nagpur dated 24/07/2002 Proposal Period: 2002-03 to 2006-07 Modified Mining Plan approved vide letter no. DRG/LST/MPLN-1097/2017/RPR Raipur dated 27/06/2017 Proposal Period: 2017-18 to 2021-22
29	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-183/NGP Nagpur dated 06/05/2009 Proposal Period: 2007-08 to 2011-12 Scheme of Mining approved vide letter no. DRG/LST/MPLN-183/NGP Nagpur dated 10/11/2012 Proposal Period: 2012-13 to 2016-17
30	Mineral(s) granted in lease and proved for mining	LIMESTONE
31	Method of Mining (Opencast, Underground)	OPENCAST
32	Category (Fully Mechanized, Others or Manual)	CATEGORY 'A' FULLY MECHANISED
33	Captive/Non Captive	NON CAPTIVE
34	Existing EC Limit and validity	Not obtained. EC under process
35	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs. 10,00,000/- vide BG No. 0510IGPER005217 dated 08/06/2017 valid up to 31/03/2022 Rs. 11,78,400/- vide BG No. 1556IGPER000321 dated 24/05/2021 valid up to 31/03/2022

Scientific Mining: Compliance of proposals of approved mining plan/Review of mining.

Exploration

S.N.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	No proposal	Not done	Entire lease area is explored.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	During 2021-22 – 03 DTH bore hole done.	Limestone is exposed in all working phases. In the approved document, the entire area has been considered in G1 level of exploration..
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Applicable	Not Applicable	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Proposal has not been given in the approved document.	Not applicable	Limestone is exposed in all working phases.
1e	Balance reserves as on 01.04.2021	Under (111): 0.21 Million Tonnes Under (221 & 222): 1.00 Million Tonnes	Under (111): 0.218 Million Tonnes Under (221 & 222): 1.00 Million Tonnes	Mine is closed since June 2017 due to no environment clearance.

1f	General remarks of inspecting officer on geology, exploration etc.	The majority of area Limestone is exposed by development of quarry. During the year 2021-22 exploration in form of 03 DTH drill holes have been drilled upto 25 mtr depth & covered entire lease area under G1 scale of exploration.
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Development

S.N.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	2017-18: in between Local co-ordinates N30 to N100 and E60 to E120 2018-19: in between Local co-ordinates N30 to N90 and E45 to E90 2020-21: Nil	2017-18: in between Local co-ordinates N30 to N100 and E60 to E120 2018-19: in between Local co-ordinates N30 to N90 and E45 to E90 2020-21: Nil	Non working since June 2017 due to no environment clearance. Development as proposed.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Top Soil- 01 No Limestone- 04 nos	Top Soil- 01 No Limestone- 04 nos	-do-
2c	Stripping ratio or ore to OB ratio	1:00	1:00	-
2d	Quantity of topsoil generation in m ³	Nil	No top soil has been generated during Financial Year 2020-21.	-
2e	Quantity of overburden/waste generation in m ³	Nil	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Single quarry is developed in the mine. No mining operation carried out since June 2017 due to no environment clearance.		

Exploitation

S.N.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	01	01	-
3b	Quantity of Limestone production proposed	16700 Tonne	Nil	Mine is non working since June 2017 due to no environment clearance.
3c	Recovery of salable/usable mineral from ROM production	100%	Nil	-
3d	Quantity of mineral reject generation	Nil	Nil	No Mineral reject present in the area.
3e	Grade of mineral reject generation and threshold value declared.	No mineral reject will be generated during plan period.	No mineral reject present in the area.	
3f	Quantity of sub-grade mineral generation	No sub-grade mineral will be generated during plan period.	No sub-grade mineral present in the area.	-
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 mechanism has been proposed in the approved document for segregation.	Not Applicable.	-
3i	Any analysis or beneficiation	Not proposed in the	Not Applicable.	-

	study proposed & carried out for sub-grade mineral and reject	approved document.		
3j	Provision of drilling & blasting in mineral benches	Spacing: 0.80 m Burden: 0.60 m Depth: 1.5 m	Nil	Reason as above.
3k	Provision of mining machineries in mineral benches.	1. Drilling Machine with 32mm dia-01 no. 2. Air Compressor with 400 CFM Capacity-01 no. 3. Excavator cum rock breaker with 1.0 cum bucket-01 no. 4. Dumpers with 20 tonnes capacity- 03 nos. 5. Truck Mounted water sprinkler with 10 KL capacity- 01 no. 6. Explosive Van – 01 no. 7. Pay loader – 01 no. 8. Ripper Dozer – 01 no.	Nil	Non working.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB/Topsoil: 0.5 m Ore/Mineral- 5–6 m	Could not be ascertained as the quarry was water logged.	-
3m	Total area covered under excavation/pits	3.342 Ha. up to end of plan period.	3.47 Ha	Non working due to development on southern part.
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-3.342Ha. Waste/reject 0.154 Ha. Others-0.345 Ha. up to end of plan period	Pit- 3.47 Ha Roads- 0.030 Ha Infrastructure- 0.012 Ha.	-
3p	Production of ROM mineral during last five-year period, as applicable	2017-18 - 10230T 2018-19 - 13250T 2019- 20 - 15100T 2020- 21 - 16700T 2021-22- 16732.5	2017-18 - 0 2018-19 - 0 2019-20 - 0 2020- 21- 0 2021-22 - 2500	Mine is non-working since June 2017 due to no environment clearance.
3q	General remarks of inspecting officer on method of mining etc.	Mine is closed since June 2017 due to no environment clearance.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	No Proposal	Nil	Mine is closed since June 2017 due to no environment clearance.
4b	Location of topsoil, OB & mineral reject dumps	Not Applicable.	Not Applicable.	-
4c	Number of dumps within lease area and outside lease area	No Proposal	Not Applicable.	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No dumping has been proposed in the approved document.	Not Applicable.	-
4e	Number of active & alive dumps	Not proposed in the approved document.	Not Applicable.	No Major dump observed.
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.	Not Applicable.	-
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 on waste dump management.	No Major dump observed. The existing dump for used to make safety bund along the lease boundary.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Not applicable at present.	No Back-filling propopsal.
5b	Area under backfilling of mined out area	Not proposed in the approved document.	Not Applicable.	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed in the approved document.	No top soil present in the area.	-do-
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	The area is not matured for back filling.		

Progressive Mine Closure Plan

S.N.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	Not submitted for The financial Year 2020-21	Not submitted	Violation of Rule 26(2) of MCDR, 2017 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	Nil	Nil	No area is mined out.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L * B * 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 Proposed in the approved document.	Nil.	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	No Proposed in the approved document	Periodic Monitoring	Monitoring by Govt. Agency of Regional Office of Chhattisgarh State.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for compliance of regular environmental monitoring.	Not done. Mine is closed since June 2017 due to no environment clearance	-
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP report not submitted for the Year 2020-21. Violation of Rule 26(2) of MCDR, 2017 pointed out.		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed	Not Applicable	No generation sorting is required
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not Applicable	Reason as above
7c	Different grade of mineral sorted out at mines	Not proposed	Not Applicable	-do-
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	-do-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine is closed since June 2017 due to no environment clearance.		

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Not proposed in the approved document.	No top soil present in the area.	No top soil generated.
8b	Concurrent use or storage of topsoil	Not proposed in the approved document.	Not Applicable	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed in the approved document.	Not Applicable	-do-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed in the approved document.	Not Applicable	No waste generation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed in the approved document.	Not Applicable	Area not matured for for reclamation and rehabilitation.
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Not proposed in the approved document.	Not Done	No plantation has been done during Financial Year 2020-21.
8g	Survival rate	Not proposed in the approved document.	Not Applicable	No plantation has been done during Financial Year 2020-21.

8h	Water sprinkling on roads to control airborne dust	Proposed through water tanker.	Not Applicable	Could not be ascertained as the Mine is closed 2017, due to no mining Environment Clearance
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No adverse impact observed during Mine visit as Mine is closed since June 2017 due to no environment clearance.		

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return is submitted upto – June 2020 Annual Return submitted upto – 2020-21 (2020-21 on hard copy)		Deviation for non submission of monthly returns for the month of July 2020 to February 2021.
S.N.	Item		Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager – Appointed. Mining Engineer – Appointed. Mining Geologist – Appointed.	Mines Manager – Appointed. Mining Engineer – Appointed. Mining Geologist – Appointed.	Not appointed. Violation is not pointed out due to non working nature of Mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information not given in the Annual Returns.	Information not furnished.	Violation under Rule 45(5) (c) is pointed out.
9d	Scrutiny of Annual return on afforestation	Nil	Nil	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock: NIL Closing Stock Graded Ore: Cement Grade: 406.500 Metric Tonnes	ROM Stock: NIL Closing Stock Graded Ore: Cement Grade: 406.500 Metric Tonnes	Appears to be correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: NIL Ex-Mine price: NIL Cost of Production: NIL	No production reported during F.Y 2020-21	Mine is non working since June 2017 due to no environment clearance.
9i	Scrutiny of Annual return on fixed assets	Fixed Asset: Rs. 0	Fixed Asset: Rs. 0	-do-
9k	Scrutiny of Annual return on mining machineries	Not given	No mining machinery deployed during F.Y. 2020-21	-do-

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

No out standing violation.

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

Shri S Kartikeya, Junior Mining Geologist, Date of Inspection: 25/06/2019

No serious violations pointed out during last inspection.

During Present inspection violation pointed out under Rule 26(2) 7 45(5) (c) of MCDR, 2017.

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
26(2)	The holder of mining lease shall submit to the competent authority 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 as envisaged in the approved mine closure plan, and if there is any deviation, reasons thereof, <i>but the same not submitted for the year 2020-21 till date.</i>
45(5)(c)	Annual returns for 2020-21 of the mine has not been submitted to the Regional Controller of Mines, IBM, Raipur, which ought to have been Submitted in Form H-8 before 1st July each year for the preceding Year.

Arun Kumar Gadatia
Asstt. Mining Engineer
Raipur Regional office