

MCDR INSPECTION REPORT 2020-21

General:

S.N.	Particulars	Details
1	Name of the Mine	Madhi Limestone Mine
2	Date of Inspection:	18.12.2021
3	Name of Inspecting Officer	Prasant Kumar Sahu, Asst. Mining Engineer
4	Name of official accompanying inspection	Shri Ashok Sarin, Mine Owner
5	Last date of Inspection & Officer	16.08.2019 & Shri S. Kartikeya, Jr. Mining Geologist
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: NIL Non-forest: 10.117 Ha. Total Lease Area: 10.117 ha.
7	Mine code	38CHG14021
8	IBM Registration Number under rule 45 of MCDR,1988	IBM/11896/2012
9	Name of the Lessee, Address, Phone, email and fax number	Shri Ashok Sarin, Lessee, C-23, Sector 3, Devendra Nagar, Raipur (Chhattisgarh) – 492009 Phone: +91 (0) 9993356155 Email: sarinconstruction@gmail.com , shraddha.sarin@gmail.com
10	Village	Madhi
11	Taluka/Mandal	Tilda
12	District	Raipur
13	Pin code	493116
14	State	Chhattisgarh
15	Post Office	Tilda
16	Nearest Police Station	Tilda
17	Nearest Railway Station	Tilda
18	Date of Grant of Mining Lease	26/12/2002 to 25/12/2022 (20 Years) Supplementary lease agreement for the extended period as per section 8A of MMDR Amendment Act, 2015 has not been made.
19	Date of Execution	26/12/2002
20	Weekly day of rest	Sunday
21	Date of opening of Mine	17/10/2004
22	Date of First Renewal, if applicable and its period & expiry	Not applicable
23	Date of Second Renewal, if applicable and its period & expiry	Not applicable
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed
26	Name of the Mine Agent with Address,	Not appointed

	phone, email, fax number and date of appointment	
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Not appointed
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no.RAP/LST/MPLN-768/NGP Nagpur dated 06/05/2002, Proposal Period: 2004-05 to 2008-09
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	<p>1. Scheme of Mining approved vide letter no.RAP/LST/MPLN-768/NGP Nagpur dated 11/10/2010, Proposal Period: 2009-10 to 2013-14</p> <p>2. Review of Mining Plan approved vide letter no. RPR/LST/MPLN-1110/2017 Raipur dated 14/09/2017, Proposal Period: 2017-18 to 2018-19</p> <p>3. Review of Mining Plan approved vide letter no. RPR/LST/MPLN-1206/2019 Raipur dated 19/06/2018 , Proposal Period: 2019-20 to 2021-22 (up to 25/12/2022)</p> <p>Lapse Period: 200-03 to 2003-04 (02 years) 2014-15 to 2016-17 (03 years)</p>
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (Fully Mechanized, Others or Manual)	Category-A
35	Captive/Non-Captive	Non-Captive
36	Present EC Status	21600 Tonne Per Year, EC granted on 27.01.2011
37	Status of Financial Assurance	<p>1. Rs. 8,00,000/- (Eight Lakhs) vide BG No. 049317IGPER0048 dated 04/05/2017 valid up to 25/12/2022</p> <p>2. Rs. 2,00,000/- (Two Lakhs) vide BG No. 49317IGPER0004 dated 17/01/2017 valid up to 25/12/2022</p> <p>(Violation of Rule 27(2) of MCDR, 2017 is pointed out for non-submission of the differential financial assurance as per MCDR Amendment Rule 2021)</p>

Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

1.0 Exploration:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
1a	Backlog of previous year Proposals	2019-20: 01 2020-21:01 with cumulative depth of 100 meters	No boreholes have been drilled so far	Mining operation is discontinued since 2019-20 due to lack of market demand and COVID-19 pandemic. Therefore, violation of Rule 11(1) of MCDR, 2017 is not pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	G1-6.8 ha G2-3.317 ha	G1-6.8 ha G2-3.317 ha	Area of 6.8 ha under G1 category and area of 3.317 ha under G2 category explored through nine (09) nos. of boreholes (an average depth of 24 mt. each) and two (02) pits.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not envisaged in the approved document	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G2-3.317 ha	Not done	
1e	Balance reserves as on 01.04.2021	Under 111 : 3479127 tonne Under 122: 508849 tonne Under 222- 1119041 tonne		Violation pointed out for incorrect information furnished in part-V of AR
1f	General remarks of Inspecting officer on geology, exploration etc.	Area of 6.8 ha under G1 category and area of 3.317 ha under G2 category explored through nine (09) nos. of boreholes (an average depth of 24 mt. each) and two (02) pits. The mining operation is discontinued since 2019-20 due to lack of market demand and COVID-19 pandemic. Therefore, violation of Rule 11(1) of MCDR, 2017 is not pointed out.		

2.0 Development:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
2a	Location of Development w.r.t. lease area	E-200 to E-000 S-000 to S-200	E-200 to E-000 S-000 to S-200	As per proposal
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in OB and Mineral proposed	Could not be ascertained as the quarry was water lodged	
2c	Stripping ratio or ore to OB ratio	1:1.29	1:0.00	No OB/Waste generated

2d	Quantity of topsoil generation in m ³	9284 m ³	Nil	No topsoil generated during the plan period
2e	Quantity of overburden generation in m ³	No Proposal	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The actual development is less in comparison to proposal for lack of market demand.		

3.0 Exploitation:

S. N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
3a	Number of pits proposed for production	01	01	-
3b	Quantity of ROM mineral production proposed	21600 tonne	50 tonne	Within the proposal limit and less production due to lack of market demand
3c	Recovery of Salable/usable mineral from ROM production	100 %	100 %	No generation of OB/MR
3d	Quantity of mineral reject generation	No Proposal	Nil	No generation of mineral rejects
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Not Applicable	Nil
3f	Quantity of sub-grade mineral generation	No Proposal	Not Applicable	Nil
3g	Grade of sub-grade mineral generation	No Proposal	Not Applicable	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanised Crushing and screening proposed	Mechanised crushing and screening adopted	Crushing and screening plant not in operation due to discontinuance of mining operations
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	No such study carried out	Not required for limestone mineral
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling and blasting proposed	Nil	Mining operation is discontinued since 2019-20 due to lack of market demand and COVID-19 pandemic.
3k	Provision of mining machineries in mineral benches	1. Drill Machine-1 No with 100 mm dia 2. Excavator-01 Nos with 0.9 m3 3. Rcok Breaker-1 Nos	Nil	-do-

		4. Dumper-02 Nos with 25 Tonne		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil-1.5 mt. Limestone-6.0 mt	Could not be ascertained as the quarry was water lodged	
3m	Total area covered under excavation /pits	1.6546 ha. up to end of plan period	0.7280 ha. up to end of 2020-21	
3n	Ore to OB ratio for the pit/mine during the year	1:1.29	1:0.00	No generation of waste
3o	Total area put in use under different heads at the end of year	Pit-1.6546 ha Topsoil dump-0.1928 ha Infra/road-0.2742 ha Others-0.2973 up to end of plan period	Pit-0.7280 ha Infra/road-0.0323 ha Roads-0.1881 up to end of 2020-21	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2016-17: No proposal due to lapsed period	2016-17: 0.00	Actual production within proposed limit
		2017-18: 21600	2017-18: 5047.00	
		2018-19: 21600	2018-19: 12100	
		2019-20: 21600	2019-20: 0.00	
		2020-21: 21600	2020-21: 50.00	
3q	General remarks of inspecting officer on method of mining etc	Mining operation is on low scale. The production is less in comparison to proposal due to lack of market demand.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, OB & mineral reject proposed	Not done	No top soil and OB generated during the year
4b	Location of topsoil, OB & mineral reject dumps	Topsoil in between local coordinates S 47 to S 103 and E 312 to E 350	Nil	-do-
4c	Number of Dumps within lease area and outside lease area	No proposal	Nil	

4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of Active & Alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps established	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific commends of inspecting officer on waste dump management	No top soil and OB generated during the year.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Not applicable	Area is not matured for back filling
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Not applicable	
5d	Total area fully reclaimed & rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposal for back filling and reclamation in the plan period as the area is not matured for backfilling.		

6.0 Progressive Mine Closer Plan:

S. N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
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	PMCP report to be submitted	PMCP report not submitted	Violation of Rule 26 (2) of MCDR, 2017 is pointed out
6b	Management of worked/mined out benches	No proposal	Nil	No area is mined out
	Area available for rehabilitation (Ha)	No proposal	Nil	
	Afforestation done (ha)	0.02	Nil	
	No. of saplings planted during the year	50	Within the lease area-Nil Outside lease area- 50	As per AR
	Cumulative no. of plants	100	Nil	Mining operation is discontinued

				since 2019-20 due to lack of market demand and COVID-19 pandemic. Therefore, violation of Rule 11(1) of MCDR, 2017 is not pointed out.
	Any other specific method of rehabilitation	No proposal	Nil	
	Cost incurred on watch & care during the year	Rs. 25000	Nil	Mining operation is discontinued since 2019-20 due to lack of market demand and COVID-19 pandemic.
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	No proposal	Nil	No area is matured for backfilling
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	No proposal	Nil	No waste dump within the lease area
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed environmental monitoring in core and buffer zone	Not done	Mining operation is discontinued since 2019-20 due to lack of market demand and COVID-19 pandemic.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report for this financial not submitted. Violation of Rule 26 (2) of MCDR, 2017 is pointed out.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	No Proposal	Not applicable	
7b	Method of grade-wise mineral sorting	No Proposal	Not done	Not required for

	i.e. manual or mechanical			Limestone
7c	Different grade of mineral sort out at mine	No proposal	Not applicable	Not required
7d	Any beneficiation process at mines	No proposal	Not applicable	Not required
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mining operation is discontinued since 2019-20 due to lack of market demand and COVID-19 pandemic.		

8.0 Environment:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Used for plantation and stacking	Nil	Nil generation of topsoil during the year
8b	Concurrent use or storage of topsoil	Used for plantation and stacking	Nil	-do-
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	No proposal	Nil	No waste encountered
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No area is matured for reclamation
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	50 nos. saplings will be planted during 2020-21	Within the lease area- Nil Outside lease area- 50	As per AR
8g	Survival rate	Not mentioned in the approved document	Within the lease area- Nil Outside lease area- 25	As per AR-25%
8h	Water sprinkling on roads to control airborne dust	Yes	Not done	Mining operation is discontinued since 2019-20 due to lack of market demand.
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Overburden/waste not encountered at this stage and mine area is not matured for reclamation and rehabilitation.		

9.0 Compliance of Rule 45:

S N	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to Feb-2022	
		AR submitted up to 2020-21	

S N	Item	Details Given in A.R.	Observation of I/Officer	
9 b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not appointed	During inspection Mining Engineer and Geologist not present	Mining operation is discontinued since 2019-20 due to lack of market demand. Therefore, no violation is pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-0.275 ha Infra/roads-0.161 ha Waste-0.518 ha	Pit-0.7280 ha Infra/road-0.0323 ha Roads-0.1881 up to end of 2020-21	Violation of Rule 45(5) (C) of MCDR, 2017 is pointed out for incorrectly furnished in AR
9 d	Scrutiny of Annual return on afforestation	Within the lease area- Nil Outside lease area- 25	Not observed during inspection	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral reject has been Generated during F.Y. 2020-21	No rejects found in the mine	Not envisaged in approved document
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Opening-948.41 T Production-50 T Closing-904.86 T	Stock is reportedly stacked on quarry bottom	The quarry is water lodged and stock position could not be ascertained
9 g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Sale Value: Rs. 23668.00 Ex. Mine Price: Rs. 253.00 Per Metric Tonne Cost of Production: Rs. 253.00 Per Metric Tonne	The cost of production and the Ex. Mine are reported as same.	Violation of Rule 45(5) (C) of MCDR, 2017 is pointed out for incorrectly furnished in AR
9i	Scrutiny of Annual return on Fixed assets	Fixed Asset: Rs. 1682788.00	As per estimated market value	Appears to be correct
9 k	Scrutiny of Annual return on mining Machineries	Jeep/Tractor with 65.00 HP	Observed in mine	Violation of Rule 45(5) (C) of MCDR, 2017 is pointed out for incorrectly furnished in AR

10- (a) Details of violations observed during current inspection:- Rule 11(1), 26(2), 27(2) and 45(5)(C) of MCDR, 2017.

(b) Compliance position of earlier violation pointed out: - During the last inspection on 27/06/2019, violation of Rule 11(1), 26 (2), 28(1), 35, 45(5)(b) & (c) and 54 of MCDR, 2017 were pointed out. The violations have been rectified.

Date: 05.04.2022

Name: Prasant Kumar Sahu
Designation: Assistant Mining Engineer