

MCDR INSPECTION REPORT**General**

S N	Particulars	Details
1	File no	CHG/RAP/LST-72/NGP
2	Name of the Mine	Marhi Limestone Mine
3	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.
4	Mine code	38CHG14021
5	Date of Inspection	20.07.2022
6	Name & Designation of the inspecting officer	Mr. Dayanand Upadhyay, Sr. ACOM & Mr. Soumallya Roy, AME
7	Name of official accompanying inspection	Mr. Vinay Kumar Mishra, Geologist.
8	Last date of Inspection & Officer	18.12.2021, Mr. P K Sahu, AME
9	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/11896/2012
10	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
11	Village	Madhi
12	Taluka/Mandal	Tilda
13	District	Raipur
14	Pincode	493116
15	State	Chhattisgarh
16	Post office	Tilda
17	Nearest police station	Tilda
18	Nearest Railway station	Tilda
19	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.
20	Date of Execution	26/12/2002
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	Shri Ashok Sarin.
26	Weekly day of rest	Sunday
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed
27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
28	Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Geologist- Narendra Kumar. Mining Engineer- Rudra Kumar Shrivastava.
29	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes.
30	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.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.	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 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 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 Dec, 2022)
32	Mineral(s) granted in lease and proved for mining	Limestone
33	Method of Mining(Opencast, Underground)	Opencast
34	Category (Fully Mechanised, 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	1. Rs. 8,00,000/- (Eight Lakhs) vide BG No. 049317IGPER0048 dated 04/05/2017 valid up to 25/12/2022 2. Rs. 2,00,000/- (Two Lakhs) vide BG No. 49317IGPER0004 dated 17/01/2017 valid up to 25/12/2022

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

Exploration

S.N.	Item	Proposals(2021-22)	Actual work(2021-22)	Remarks
1a	Backlog of previous year	1 B.H proposed upto 56m depth	No. B.H Drilled so far.	Mining operation is on low scale due to lack of market demand. Drilling proposal incorporated in submitted Review of Mining plan.
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 for G1 level.	Not done.	
1e	Balance reserves as on 01.04.2022	Under 111 : 3479127 tonne Under 122: 508849 tonne Under 222- 1119041 tonne		
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 not done as per proposal due to lack of market demand.		

Development

S.N	Item	Proposals(2021-22)	Actual work(2021-22)	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. Production is less due to lack of demand.
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/waste 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.		

Exploitation

S.N.	Item	Proposals(2021-22)	Actual work(2021-22)	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of Limestone production proposed	21600 Tonne.	2220 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 / Mechanised method adopted for segregating from ROM	Mechanised Crushing and screening proposed	Mechanised Crushing and screening proposed	Crushing and screening plant not in operation due to lack of market demand..
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	No such study carried out	Nil
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling and blasting proposed	Nil	Due to lack of market demand.
3k	Provision of mining machineries in mineral benches	1. Drill Machine-1 No with 100 mm dia 2. Excavator-01 Nos with 0.9 m ³ 3. Rck Breaker-1 Nos Nil - do- 5 4. Dumper-02 Nos with 25 Tonne.	Used when required.	Due to lack of market demand.

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 2021- 22.	
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 2021-22.	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 21600	2017-18: 5047.00	
		2018-19: 21600	2018-19: 12100	
		2019-20: 21600	2019-20: 21600	
		2020-21: 21600	2020-21: 50.00	
		2021-22: 21600	2021-22: 2220	
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.		

Solid Waste Management-Dumping

S.N.	Item	Proposals(2021-22)	Actual work(2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping of topsoil, OB & mineral reject proposed	Nil.	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	No top soil and OB generated during the year
4c	Number of dumps within lease area and outside lease area	Not proposed.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	Nil	
4e	Number of active & alive dumps	Not proposed.	Nil	
4f	Number of dead dumps	Not proposed.	Nil	
4g	Number of dumps stabilised	Not proposed.	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed.	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not proposed.	Nil	
4j	Number of settling ponds	Not proposed.	Nil	
4k	Specific comments of inspecting officer on waste dump management	No top soil and OB generated during the year.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals(2021-22)	Actual work(2021-22)	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.		

Progressive Mine Closure Plan

S.N	Item	Proposals(2021-22)	Actual work(2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	PMCP report to be submitted.	PMCP report submitted.	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (ha)	No proposal	Nil	No area is mined out
	ii) Afforestation done (ha)	0.02	Nil	Plantation seen
	iii) No. of saplings planted during the year	50	150	Plantation seen.
	iv) Cumulative no. of plants	Not given in document.	Nil	
6c	v) Any other specific method of rehabilitation	No proposal	Nil	
	vi) Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling			
6d	i) Voids available for backfilling (L *B * D)	No proposal	Nil	No area is matured for backfilling.
	ii) Void filled by waste/tailings			
	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			
6e	i) Afforestation	No proposal	Nil	No waste dump within the lease area
	ii) Area rehabilitated (ha)			
	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	No proposal	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP report for this financial not submitted. Violation of Rule 26 (2) of MCDR, 2017 is pointed out.		

Mineral Conservation

S.N.	Item	Proposals(2021-22)	Actual work(2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Not applicable	
7c	Different grade of mineral sorted out at mines	No Proposal	Not applicable	
7d	Any beneficiation process at mines	No Proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mining operation is not done as per approved document due to lack of market demand.		

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Used for plantation.	Nil	Nil generation of topsoil during the year
8b	Concurrent use or storage of topsoil	Used for plantation.	Nil	Nil generation of topsoil during the year
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	150	
8g	Survival rate	Not mentioned in the approved document.	Not applicable.	
8h	Water sprinkling on roads to control airborne dust	Yes	Done on daily basis.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Overburden/waste not encountered at this stage and mine area is not matured for reclamation and rehabilitation.		

Compliance of Rule 45

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted up to June-2022		
		AR Submitted upto 2021-22		
S.N.	Item		Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist and Mining engineer name mentioned.	During inspection Geologist present.	
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 h	Pit-0.7280 ha Infra/road 0.0323 ha Roads-0.1881 up to end of 2021-22.	
9d	Scrutiny of Annual return on afforestation	Within the lease area-Nil .Outside lease area- 150.	observed during inspection.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No mineral reject has been generated during F.Y. 2021-22.	No rejects found in the mine.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening 904.86 T Production-2220 T	Stock is reportedly stacked on quarry bottom.	Bottom of the quarry is water lodged and stock position could not be ascertained.

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Given	Cost of production- Rs.245.50 Per Tonne	Appears to be correct.
9i	Scrutiny of Annual return on fixed assets	Given	Rs. 1430369/-	
9k	Scrutiny of Annual return on mining machineries	Jeep/Tractor, Excavator	Observed in mine.	

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

- (a) No violation observed during inspection.
(b) Compliance position of earlier violation pointed out: - During the last inspection on 18/12/2021, violation of Rule 11(1), 26 (2), 27(2), 45(5) (c) of MCDR, 2017 and 2021 were pointed out. The violations have been rectified.

Date: 07.09.2022

Soumallya Roy
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