

MCDR INSPECTION REPORT 2023-24**General:**

Sl .No.	Particulars	Details
1	Name of the Mine	Sahgaon Limestone Mine
2	Date of Inspection:	16/07/2024
3	Name of Inspecting Officer	Prasant Kumar Sahu, Assistant Controller of Mines
4	Name of official accompanying inspection	Dr. Manoj Kumar, Geologist and Shri Santosh Kumar Singh, Mining Engineer
5	Last date of Inspection & Officer	23/01/2023, Arun Kumar Gadatia, Assistant Mining Engineer
6	Total Lease Area (Ha) with breakup of non-forest and forest -land	Non-forest land-4.82 Ha. & forest land-0.0 Ha. Total = 4.82 Ha.
7	Mine code	38CHG05021
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/7042/2011
9	Name of the Lessee, Address, Phone, email and fax number	Smt. Lalmati Singh, W/o-Shri Rajendra Singh, EWS-93, Vaishali Nagar, Bhilai, District- Durg, (C.G.) Pin- 490023 Phone No.- 9827163421, Email- rstc12@gmail.com
10	Village	Sahgaon
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post Office	Nandini Nagar
16	Nearest Police Station	Nandini Nagar
17	Nearest Railway Station	Bhilai Power House
18	Date of Grant of Mining Lease	29/05/2012
19	Date of Execution	29/05/2012
20	Weekly day of rest	Sunday
21	Date of opening of Mine	01/04/2014
22	Date of First Renewal, if applicable and its period & expiry	NA
23	Date of Second Renewal, if applicable and its period & expiry	NA
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
26	Name of the Mine Agent with Address, phone,	NA

	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	NA
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Sontosh Kumar Singh (Part time Mining Engineer) Diploma in Mining Engineering Qtr. No.4/G, Street No-38, Zone-2, Bhilai, Chhattisgarh Email-sontoshsingh2009@gmail.com Ph.No.-9098059781(m) Date of appointment: - 03/03/2022
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri Manoj Kumar, (Part Time Geologist) Qtr. No-150, Ward-13, Church Road, Nandini Nagar, District-Durg, Chhattisgarh Email- Geomanojkumar@rediffmail.com Ph. No. - 9827968279 (m) Date of appointment:- 04/03/2022
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Modification of Mining Plan Date of approval-06/06/2017 Proposal period -01/04/2017 to 31/03/2022
31	Date of Approval of Review/Scheme of Mining/Modified Review/Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan Date of approval-24/03/2022 Proposal period -01/04/2022 to 31/03/2027
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (A or B)	Category-A
35	Captive/Non-Captive	Non-Captive
36	Present EC Status	81250 Tonnes Per Annum for Mining of Limestone obtained on 17/11/2020
37	Status of Financial Assurance (Amount and Validity)	Bank Guarantee of Rs.15,00,000/- valid up to 01/04/2027

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

1.0 Exploration:

S.N.	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
1a	Backlog of previous year proposals	03 Core borehole proposed in FY-2022-23	Not carried out	Violation is pointed out under Rule 11(1) of MCDR, 2017.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Under G4- 0.50 Ha.	Exploration as proposed during FY 2022-23 was not carried out	Violation is pointed out under Rule 11(1) of MCDR, 2017.
1e	Balance reserves as on 01.04.2024 (in Million Tonnes)	Under 111- 1.55 Million Tonnes		As per submitted Annual Return 2023-24
1f	General remarks of Inspecting officer on geology, exploration etc.	No exploration has been proposed in the approved RMP during the FY 2023-24. Exploration as proposed in the FY 2022-23 has not been carried out so far. Violation under Rule 11(1) of MCDR, 2017 is issued.		

2.0 Development:

S. N.	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
2a	Location of Development w.r.t. lease area	In between coordinates From N 2368350 To N 2368380 From E 538490 To E 538665	Carried out with in the proposed area	Development was carried out within the proposed grids
2b	Separate benches in topsoil overburden and mineral	No proposal	Nil	No proposals for OB/Top Soil Topsoil: Nil OB/Waste: Nil Mineral/Ore: 03
2c	Stripping ratio or Ore to OB ratio	1:0.02	1:00	Tonne: Cum No proposals for OB/Waste/Top Soil. No OB/Waste generated.
2d	Quantity of topsoil generation in m ³	No proposal	Nil	
2e	Quantity of overburden	No proposal	Nil	

	generation in m ³			
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Production and development were carried out within the proposed area. No proposal for Topsoil/OB/Waste during the year 2023-24. No generation of OB/Waste reported during the year.		

3.0 Exploitation:

S. N.	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
3a	Number of pits proposed for production	01(one) pit	01(one) pit	As per proposal
3b	Quantity of ROM mineral production proposed in tonne	50,000 T	2850 T	Within the proposal limit and less production due to lack of market demand
3c	Recovery of Salable/usable mineral from ROM production tonne	98 %	100 %	No generation of mineral reject
3d	Quantity of mineral reject generation tonne	1000 T	Nil	No generation of mineral reject
3e	Grade of mineral reject generation and threshold value declared	Not specified	Nil	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	No proposal	Nil	Blasted material is being directly sold to consuming industries
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	No such study carried out	
3j	Provision of drilling & blasting in mineral benches	Light shallow drilling and blasting proposed	Light shallow drilling and blasting carried out	Jack Hammer drilling of 32 mm dia having depth of 1.5 m. and blasting by using emulsion cartridge explosive
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed	Mining Machineries proposed deployed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in Review of Mining Plan	Mineral/ore: 03 nos. with 3.0 meters average height	Average bench height and width maintained	
3m	Total area covered under	1.2055 Ha. up to	About 1.2 Ha. up	

	excavation /pits	end of plan period 2026-27	to end of 2023-24	
3n	Ore to OB ratio for the pit/mine during the year	1:0.02	1:0.00	Tonne:Cum No generation of OB/Waste
3o	Total area put in use under different heads at the end of year	2.9881 Ha up to end of plan period 2026-27	About 2.8 Ha. up to end of 2023-24	
3p	Production of ROM mineral during last five-years period, as Applicable (Tonne)	2019-20: 73150	2019-20:0.00	As reported in the Annual Return
		2020-21:51062	2020-21:0.00	
		2021-22:41562	2021-22:16444	
		2022-23: 49375	2022-23:3900	
		2023-24: 50000	2023-24:2850	
3q	General remarks of inspecting officer on method of mining etc.	Open cast mining operation being carried by mechanized method using excavator and dumper combination.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	No proposal	Nil	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit	No proposal	Nil	
4e	Number of Active & Alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilized	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	10 meters along the lease boundary	Not constructed	Violation under Rule 11(1) of MCDR, 2017 is issued.
4j	Number of settling ponds	No proposal	Nil	
4k	Specific commends of inspecting officer on waste dump management	No proposal for Topsoil/OB/Waste were generated during the year.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	Area is not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No any part of ML area is mined out fully to carry out backfilling, reclamation etc.		

6.0 Progressive Mine Closer Plan:

S.N	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	To be submitted before 01st July every year	PMCP report received in time	Annual Report submitted on 19.06.2024
6b	Management of worked/mined out benches	No proposal	Nil	No area is matured/mined out for backfilling
	Area available for rehabilitation (Ha)			
	Afforestation done (ha)			
	No. of saplings planted during the year			
	Cumulative no. of plants			
	Any other specific method of rehabilitation			
	Cost incurred on watch & care during the year			
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 has matured for reclamation and rehabilitation purposes
6d	Compliance of Rehabilitation of waste land within lease	No proposal	Nil	No waste dump within the lease

	i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation			area
6e	Compliance of Environment monitoring (core zone & buffer zone)	Not specified	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Annual PMCP report has been submitted in time. No area is matured/mined out for backfilling.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch	ROM mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not envisaged in the approved document	Not applicable	Not required for limestone
7c	Different grade of mineral sort out at mine	No proposal	Nil	Not required
7d	Any beneficiation process at mines	No proposal	Nil	Not required
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation process was proposed within the lease area and the total ROM was proposed to dispatch directly to the consumer.		

8.0 Environment:

S.N.	Item	Proposals (2023-24)	Actual (2023-24)	Remarks
8a	Separate removal and utilization of topsoil	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines	No proposal	Nil	
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	
8f	Baseline information on existence of plantation & additional plantation done	Plantation proposed: WML: 100 nos. saplings	With in lease area 100 Nos. saplings have been planted	As per AR submitted for 2022-23
8g	Survival rate	25%	About 20%	

8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	The production is less in comparison to the proposed quantity due to lack of market demand during this year as well as in the planned period, therefore, no adverse impact due to mining on aesthetic beauty.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR being regularly submitted		AR submitted up to F.Y. 2022-23 on 19.06.2024
		AR submitted up to F.Y. 2022-23		
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	Mining Engineer- Shri Santosh Singh, Manager- Nil Geologist-Dr. manoj Kumar	Employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Exploited and abandoned - 1.132, Current Workings-0.001, Occupied by plant, buildings, residential-0.330 Other purpose- 1.523, Work done under PMCP-0.001	Surface area utilization at the end of the year (hectares) has been furnished incorrectly	Violation under Rule 45(7) of MCDR, 2017 is issued
9d	Scrutiny of Annual return on afforestation	Within lease area- 100 Nos., Survival rate 50%	Within lease area- 100 Nos., Survival rate 20%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	No generation of mineral rejects reported	
9f	Scrutiny of Annual return on ROM stock and/or grade ore (in Tonne)	Opening-0.00 Production-2850 Closing-2850	Incorrectly furnished	Violation under Rule 45(7) of MCDR, 2017 is issued
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Sale value- Rs 24000/, Ex. Mine Price- Rs. 499.67/- Cost of production-Rs. 393.10/-	Ex. Mine Price incorrectly furnished	Violation under Rule 45(7) of MCDR, 2017 is issued
9i	Scrutiny of Annual return on Fixed	Rs 8697973/-	Rs 8697973/-	

	assets	including land, building, plant and machinery, etc.	including land, building, plant and machinery, etc.	
9k	Scrutiny of Annual return on mining Machineries (in Nos.)	Air Compressor-02 Nos, Drill Machine-02, Dumper-02	In complete information furnished	Violation under Rule 45(7) of MCDR, 2017 is issued

10- Details of violations observed during current inspection: - Violation of Rule 11(1), 31(4), 45(7) and 55 of MCDR 2017 have been pointed out after current inspection. No outstanding violation.

प्रशान्त कुमार साहू / Prasant Kumar Sahu
 सहायक खान नियंत्रक / Assistant Controller of Mines
 भारतीय खान ब्यूरो, रायपुर / Indian Bureau of Mines, Raipur