

MCDR INSPECTION REPORT**General**

Sl. No	Particulars	Details
.	File No-	
1	Name of the Mine	Sahgaon Limestone Mine
2	Date of Inspection	16.07.2024
3	Name of Inspecting Officer	Mr. Sanjay Kumar Mahapatra, Asst. Controller of Mines
4	Name of official accompanying inspection	Shri Vikeswar Thakur, Representative of the lessee
5	Last date of Inspection & Officer	Shri A K Gadatia, AME on 06.11.2023
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.047 Ha
7	Mine code	38MPR13022
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/6624/2011
9	Name of the lessee, Address, phone, email and fax number	M/s Ruprela Brothers H.no.74/K ,Kohka-Ram Nagar Bhilai , Durg, Chattisgarh -490023 Phone/Fax- 9329311888 Email- stc9044@gmail.com
10	Village	Sahgaon
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chattisgarh
15	Post office	Nandini-Khundini
16	Nearest police station	Nandini Nagar
17	Nearest Railway station	Durg Railway Station
18	Date of Grant of Mining Lease	06.12.1981
19	Date of Execution	06.12.1981
20	Weekly day of rest	Sunday
21	Date of opening of Mine	26.02.1984
22	Date of first Renewal, if applicable and its period & expiry	Period-06/12/1981 to 05-12-2021
23	Date of second Renewal, if applicable and its period & expiry	Period- 06/12/2021 to 05-12-2031 as per Section 8A of MMDR Act, supplementary lease deed executed.
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 Sanjay Kumar Sao,H.no.74/K ,Kohka-Ram Nagar Bhilai , Durg, Chattisgarh -490023 Phone/Fax- 9329311888 Email- stc9044@gmail.com
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-NA
27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	- NA
28	Name of the Mining Engineer & Geologist, Qualification and total experience with	Engineer- Shri Raju Kumar Tandi Qualification --B. TECH

1/38117/2024	Address, phone, email, fax number and date of appointment in mine	Phone- 7879685761 Date of Appointment: 01.01.2022
29	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri Amit Kumar Kashyup, MSC ( Geo) Date of Appointment: 05.01.2022
30	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Letter no- DRG/LST/MPLN-183/NGP dated 24.07.2002 for the period 2002-03 to 2006-07
31	Date of Approval of Review of Mining Plan/Modified Review of Mining Plan with five-year period and specific condition in approval letter, if any.	Letter no- DRG/LST/KHYO-1097/2017,RAIPUR/270 Date 27/06/2017 Letter no- DRG/LST/KHYO-1321/2021,Raipur Date 18.05.2022
32	Mineral(s) granted in lease and proved for mining	Limestone
33	Method of Mining(Open cast, Underground)	Open cast
34	Category (Fully Mechanised, Others or Manual)	Mechanized
35	Captive/Non Captive	Non-captive
36	Present EC Status	EC granted for 16732 tone per Annum valid up to 05.12.2031
37	Status of Financial Assurance	Rs 18,56,000/- valid till 31.03.2027

**Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan.**  
**Exploration**

S.N	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Not applicable.	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Not applicable.	There is no proposal of exploration in 2023-24. The entire area is G-1 level of exploration.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Not applicable.	-Do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Not applicable.	-Do-
1e	Balance reserves as on 01.04.2022	As per approved Review of mining Plan: Total Mineral Reserve 345500 T(111).Remaining Resource- 1507300 T(211)	Balance reserves as on 01.04.2024: Total Mineral Reserve- 343000T (111). Remaining Resource- 1507300 T (211).	
1f	General remarks of	In 2021-22, Lessee has drilled 03 nos. of bore holes		

1/38117/2024

inspecting officer on geology, exploration etc. under G1 Level of exploration at 100m x 100m grid interval. Entire area is under G1 exploration. Total resource as on 01.04.2024 1850300 tone.

**Development**

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	One Pit	Within the Present Pit. However, it is observed that pit benches have not been formed/maintained as envisaged; instead a highwall of more than 30 meters height has been created endangering safety of the men and machineries deployed. Safety barrier of 7.5 meters along the mining lease boundary has not been maintained and excavation has been carried out in this area .	Violation of Rule 11(1) issued on 25.07.2024.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	03 benches in the year 2023-24 & 06 benches in the year 2024-25	Not maintained & a highwall of more than 30 meters height has been created	Violation issued for Rule 11(1) of MCDR 2017 for deviation from the approved proposal.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	No OB and waste,
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	No top soil generated during Plan period.	
2e	Quantity of overburden/waste generation in m <sup>3</sup>	No OB and waste	No OB and waste	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	It is observed that pit benches have not been formed/maintained as envisaged; instead a highwall of more than 30 meters height has been created endangering safety of the men and machineries deployed. Safety barrier of 7.5 meters along the mining lease boundary has not been maintained and excavation has been carried out in this area. Violation of Rule 11(1) of		

**Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of Limestone production proposed	16500 tonnes/annum	2500 tonnes	Production Done During 2023-24)
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Not applicable	Not applicable	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Dumper-05 Nos Drill machine-32 mm dia-01	Dumper-05 Nos Drill machine-32 mm dia-01	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	03 benches in the year 2023-24 & 06 benches in the year 2024-25	It is observed that pit benches have not been formed/maintained as envisaged; instead a highwall of more than 30 meters height has been created	Violation issued on 25.07.2024 for Rule 11(1) of MCDR 2017 for deviation from the approved proposal.
3m	Total area covered under excavation/pits	3.67Ha	3.67 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	No OB
3o	Total area put in use under different heads at the end of year	3.712	3.712	Infrastructure -0.012ha & Road 0.03 ha
3p	Production of ROM mineral during last five-year period, as applicable	2019-20 – 15100 T 2020-21 – 16700 T 2021-22 – 16732.5 T 2022-23 – 16575 T	2019-20 – 0 T 2020-21 – 0 T 2021-22 – 2500 T 2022-23 – 1000 T	

I/38117/2024

2023-24 - 16500 T      2023-24 – 2500 T

3q	General remarks of inspecting officer on method of mining etc.	It was observed that pit benches have not been formed/maintained as envisaged; instead a highwall of more than 30 meters height has been created endangering safety of the men and machineries deployed. Safety barrier of 7.5 meters along the mining lease boundary has not been maintained and excavation has been carried out in this area. Violation of Rule 11(1) of MCDR 2017 issued on 25.07.2024 for deviation from the approved proposal.
----	--	--

**4.Solid Waste Management-Dumping**

S.N	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Nil	Nil	No proposal as no OB & waste
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	Not required.
4c	Number of dumps within lease area and outside lease area	Nil	Nil	Not applicable.
4d	Location of dumps w.r.t. ultimate pit limit	Nil	Nil	Not applicable.
4e	Number of active & alive dumps	Nil	Nil	Nil
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilised	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	No proposal
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Proposed fencing of 175 meters along the mining lease boundary during the year 2023-24 has not been made/erected. Violation of Rule 11(1) of MCDR 2017 issued on 25.07.2024 for deviation from the approved proposal.		

**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	Nil	Nil	No proposal as area not matured.
5b	Area under backfilling of mined out area	Nil	Nil	Area not matured.
5c	Concurrent use of topsoil for restoration or rehabilitation of	Nil	Nil	No top soil thus no proposal.

I/38117/2024

	mined out area			
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	Area not matured.
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Area not matured for reclamation & Rehabilitation.		

**Progressive Mine Closure Plan**

S. N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	Yes	Annual report on PMCP submitted on 21.06.2024	Annual report on PMCP submitted.
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	No proposal	Nil as there was no proposal.	Area is not matured for reclamation and rehabilitation.
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 proposal	Nil as there was no proposal.	Area is 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	Not specified	Afforestation -100 plants Others Nil as there was no proposal.	Area is not matured for reclamation and rehabilitation.

1/38117/2024	6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed.	Done.	
	6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Area is not matured for rehabilitation.	Done.	

### **Mineral Conservation**

S.N	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM Dispatched.	ROM Mineral Dispatch.	Cement Grade limestone.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed.	Nil.	
7c	Different grade of mineral sorted out at mines	Not proposed.	Nil.	
7d	Any beneficiation process at mines	Not proposed.	Nil.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No subgrade mineral/ mineral reject observed. 100% recovery from ROM.		

### **Environment**

S.N	Item	Proposals (2023 - 24)	Actual work (2023 - 24)	Remarks
8a	Separate removal and utilization of topsoil	Nil	Nil	No topsoil generated during the year -Do-
8b	Concurrent use or storage of topsoil	Not proposed.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines	Not proposed.	Nil.	No OB generated during the year.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done	Not specified	100 nos. of saplings in 2023-24	
8g	Survival rate	Not specified	25%	
8h	Water sprinkling on roads to	Proposed	Done	Water tanker

I/38117/2024

	control airborne dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is not developed systematically and bench parameters are not maintained as envisaged in the approved RMP. No topsoil generated during the year 2023-24. Violation issued on 25.07.2024

**Compliance of Rule 45**

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted up to June 2024	AR submitted up to for the year 2023-24.	AR & MRs are submitted.
S.N.	Item			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer, Geologist employment is furnished	Shri Raju Kumar Mining engineer, Shri Amit Kasyap, Geologist are employed in the mine.	Mining engineer was absent on the day of inspection as he was on leave for his marriage.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern furnished in AR. Pit- 3.67 Ha. Roads-0.03 Ha. Infrastructure- 0.012	Pit- 3.67 Ha. Roads-0.03 Ha. Infrastructure- 0.012	As per AR
9d	Scrutiny of Annual return on afforestation	100 trees planted	Survival rate is poor	Only approx. 25% survived.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock- 3806.5 t	Closing stock- 3806.5 t of cement graded ore	Closing stock- As per AR and verified from register.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost.	Cost of production Rs.350.00/Tonne	Cost of production Rs.372.50/Tonne Sale Value per tonne is Rs 400.00/-	
9i	Scrutiny of Annual return on fixed assets	Fixed assets furnished in AR Rs NIL	Fixed value can not be Nil thus violation issued on 25.07.2024	Violation of Rule 45 (7) issued
9k	Scrutiny of Annual return on mining machineries	Furnished in AR	Dumper-05 Nos Drill machine-32 mm dia-01	

**General remarks of inspecting officer:** The mine is not developed systematically and bench parameters are not maintained as envisaged in the approved RMP. It is observed that pit benches have not been formed/maintained as envisaged; instead a



I/38117/2024

highwall of more than 30 meters height has been created endangering safety of the men and machineries deployed. Safety barrier of 7.5 meters along the mining lease boundary has not been maintained and excavation has been carried out in this area without such approval in the RMP.

Proposed fencing of 175 meters along the mining lease boundary during the year 2023-24 has not been made/erected.

On scrutiny of Monthly Returns & Annual Return for the year 2023-24 it is observed that (i) In the Monthly return submitted for June 2024 production figure as furnished in :-

- (a) In part II Para 2 Production and Stock of ROM at Mine -head
- (b) In Para 3(ii) 3(ii) Grade-wise Production, Dispatches, Stocks and Ex-mine prices
- (c) In para 7 (a); does not match/ co-relate with each other.

In the Annual return submitted for the year 2023-24 in part II A (Capital Structure) value of fixed Assets:- Value of fixed assets has been furnished as: NIL. Thus, violation of Rule 11(1), 31(4), 33, 35(2) and 45(7) issued vide letter dated 25.07.2024

**10- Details of violations observed during current inspection and the compliance status of earlier**

**violations.:- (a)** No violation was issued during earlier inspection.

- (b) Violations of Rule 11(1), 31(4), 33, 35(2) and 45(7) issued vide letter dated 25.07.2024.

Date – 09.08.2024

) संजय कुमार महापात्र )  
सहायक खान नियंत्रक  
भारतीय खान ब्यूरो