

MCDR INSPECTION REPORTI/36755/**General:**

Sl.No	Particulars	Details
1	Name of the Mine	Medesara Limestone Mine
2	Date of Inspection:	20.03.2024
3	Name of Inspecting Officer & Designation	Soumallya Roy, AME
4	Name of official accompanying inspection	Shri Sanjay srivastava, Mine agent
5	Last date of Inspection & Officer	22.02.2023, Shri Prem Prakash, RCOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Area- 12.85 Ha. (Non-forest la
7	Mine code	38CHG05020
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/15814/2013
9	Name of the Lease, Address, Phone, email and fax number	M/s K.B. Lal Shrivastava & Son (HUF) Address- G-4, Adarsh Nagar, At & P.O. – Durg, District – Durg (C.G.) Mob. No.- 98271- 67911 Email – sanjayshrivastava74@gmail.com
10	Village	Medesara
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	491036
14	State	Chhattisgarh
15	Post Office	Nandini Nagar
16	Nearest Police Station	Nandini Nagar
17	Nearest Railway Station	Durg
18	Date of Grant of Mining Lease	03/10/2011
19	Date of Execution	09/11/2011
20	Date of opening of Mine	03/04/2013
21	Date of First Renewal, if applicable and its period & expiry	As per section 8A of MMDR Amendment Act, 2015, the lease period has been extended up to 50 years i.e upto 02.102061.
22	Date of Second Renewal, if applicable and its period & expiry	NA
23	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
24	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Karta- K.B. Lal Shrivastava Address- G-4, Adarsh Nagar, At & P.O. – Durg, District – Durg (C.G.) Mob. No.- 98271- 67911 Email – sanjayshrivastava74@gmail.com Date of appointment – 05/09/2017
25	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sanjay Shrivastava Address- G-4, Adarsh Nagar, At & P.O. – Durg, District – Durg (C.G.) Mob. No.- 98271- 67911 Email – sanjayshrivastava74@gmail.com Date of appointment – 05/09/2017
26	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Name- Swarn Kumar Bandhe Address- HIG-1/22, Borsi Colony, Durg 491001 Mob.- 9827946455 Date of appointment –25/02/2014
27	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Swarn Kumar Bandhe Address- HIG-1/22, Borsi Colony, Durg 491001 Mob.- 9827946455

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I/36755/2024		Date of appointment –25/02/2014
28	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of MCDR 2017.	Deepak Kumar Sahu Address- HIG-1/22, Borsi Colony, Durg 491001 Mob No-8817092442 Date of appointment –01/06/2020
29	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Date of Approval of Review of Mining Plan dated 23.11.2020 For Period – 2021-22 to 2025-26
30	Date of Approval of Scheme of Mining/Modified Scheme of Mining Review of Mining plan with five- year period and specific condition in approval letter, if any.	-
31	Mineral(s) granted in lease and approved for Mining	Limestone
32	Method of Mining (Opencast, Underground)	Open Cast
33	Category (Fully Mechanized, Others or Manual)	Category “A”
34	Captive/Non-Captive	Non Captive
35	Present EC Status	1,50, 000 Tonne per Annum
36	Status of Financial Assurance	Bank Guarantee of Rs.32,87,000/- valid up to 31/03/2026.

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

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
1a	Backlog of previous year Proposals	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed during F.Y. 2022-23	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.	-	-	
1e	Balance reserves as on 01.04.2023	Under (111): 3.849 Million Tonnes, Under (122):0.361 Million Tonnes, Under (211):6.874 Million Tonnes, Under (222):0.976 Million Tonnes		As per RMP approved dated 23.11.2020.
1f	General remarks of Inspecting officer on geology, exploration etc.	No exploration has been proposed in the approved Review of Mining Plan during F.Y. 2022-23.		

2.0 Development:

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
2a	Location of Development w.r.t. lease area	In one pit (01) E 538993.79 – E 539211.75 N 2365075.06 - N2365133.23	Development carried out within the proposed area.	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches proposed in OB & mineral.	Separate benches were maintained in OB & mineral.	
2c	Stripping ratio or ore to OB ratio	1 : 0.02	1 : 0.52	Indicating extremely high handling of waste against very less limestone production . In this connection violation under Rule 11(1)
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	3158 m3	1583 m3	

			pointed out.
1/36755/2024	2f. General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Production and Development carried out within the proposed area.	

3.0 Exploitation:

S.N	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	01 Pit	01 Pit	
3b	Quantity of ROM mineral production proposed	150000 Ton	3000 T	Less production due to poor market demand.
3c	Recovery of Salable/usable mineral from ROM production.	95 %	100 %.	
3d	Quantity of mineral reject generation.	No proposal	Nil.	
3e	Grade of mineral reject generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Not applicable	
3g	Grade of sub-grade mineral generation.	Nil	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM.	Mecchanized	Mecchanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	Not proposed	Not applicable	
3j	Provision of drilling & blasting in mineral benches.	Proposed	As proposed	
3k	Provision of mining machineries in mineral benches	Yes, HEMMs	HEMMs deployed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Benches of 6 meter in limestone and 3 meter in overburden.	Bench height and width have been maintained as per proposal.	.
3m	Total area covered under excavation /pits	9.828 Ha up to end of RMP period 2025-26	About 9.8 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.02	1 : 0.52	Tonne:Cum
3o	Total area put in use under different heads at the end of year	Total put to use- 11.373 Ha. up to 2025-26	About 11.30 Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	150203.70 T (2018-19)	63000 T (2018-19)	
		161502.62 T (2019-20)	21550 T (2019-20)	
		158173.12 T (2020-21)	27050 T (2020-21)	
		157895 T (2021-22)	3850 T (2021-22)	

		157895 T (2022-23)	3000 T (2022-23)	
1/3675/2024	General remarks of inspecting officer on method of mining etc	There is no top soil generation during the year. Open cast working being carried out by deployment of HEMM with the help of drilling & blasting. Less production reportedly due to lack of market demand.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Waste dump proposed.	Not dump at earmarked places.	Waste/Overburden dumping proposed to be carried out at the earmarked places between ML boundary pillars MD 21 & MD 34 in western part of the mining lease area. However waste dumping was found carried out in the corner of Pit near to BP No MD 19. In this connection, violation under Rule 11(1) pointed out.
4b	Location of topsoil, OB & mineral reject dumps	Proposed.	Not dump at earmarked places.	
4c	Number of Dumps within lease area and outside lease area	01	01	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within Ultimate pit limit	Within UPL	
4e	Number of Active & Alive dumps	01	01.	
4f	Number of dead dumps	Nil.	Nil.	
4g	Number of dumps established	Nil.	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 commends of inspecting officer on waste dump management	There is no top soil generated during the year. Waste dumping was not carried out as per the proposal of approved document. In this connection, violation under Rule 11(1) pointed out.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	Area is not matured for reclamation and rehabilitation. No area is mined out.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Area is not matured for reclamation and rehabilitation. No area is mined out.		

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6.0 Progressive Mine Closer Plan:

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	To be submitted before 01st July every year	Submitted.	
6b	Management of worked/mined out benches	Nil	Nil	As per Annual Return.
	Area available for rehabilitation (Ha)	Nil	Nil	
	Afforestation done (ha)	0.01 Ha.	About 0.01 Ha	As per AR.
	No. of saplings planted during the year	25	50	
	Cumulative no. of plants	-	-	
	Any other specific method of rehabilitation	Nil	-.	.
	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	Nil	No area is mined out.	No area is mined out.
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	Not proposed.	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environmental monitoring of air, water & noise proposed.	Environmental monitoring of air, water & noise was carried out as per the proposal.	All values of environment monitoring are within permissible limits.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	The lessee has carried out the PMCP activities as per the proposal. Monitoring of environmental parameters was done regularly.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch	ROM being dispatched	The production is less in comparison to proposal due to lack of market demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	
7c	Different grade of mineral sort out at mine	No proposal	Nil	
7d	Any beneficiation process at mines	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The production is less in comparison to proposal due to lack of market demand. No beneficiation process proposed within lease area.		

8.0 Environment:

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S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
1/36755/2024	8a. Separate removal and utilization of topsoil (Rule32)	Not Proposed.	Nil	There is no top soil generation.
8b.	Concurrent use or storage of topsoil	Not proposed.	Nil	
8c.	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not proposed.	Nil	
8d.	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed.	Separate dumps are maintained.	
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 (Rule 41)	Plantation Proposed: WML: 25 saplings in 2022-23.	Within lease area-25 nos. saplings	As per the AR 2022-23.
8g.	Survival rate	Not specified	70%	
8h.	Water sprinkling on roads to control airborne dust	proposed	Observed.	
8i.	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in & around the mine area was good.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted upto February 2024. AR submitted for 2022-23.		AR & MR submitted regularly.
SN	Item	Details Given in A.R.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining Engineer & Geologist furnished.	Employed.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	2.240 Ha	About 2.240 Ha	
9d	Scrutiny of Annual return on afforestation	Within lease area 25, Survival Rate 75%	Within lease area 25, Survival Rate 75%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	ROM: Opening stock- Nil, Production-3000.00 tonnes Closing stock- Nil	ROM: Opening stock- Nil, Production-3000.00 tonnes Closing stock- Nil.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price 473.32	Ex. Mine price 473.32	
9h	Scrutiny of Annual return on Fixed assets	Rs. 12486119 including land, machinery & building	Rs. 12486119 including land, machinery & building	
9i	Scrutiny of Annual return on mining	Back Hoe-01,	Observed deployed.	

I/36755/2024	Machineries	Dumper/Tipper-02, Drill Machine-03, Water tanker-02,		
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10. Details of violations observed during inspection-

Violation under Rule 11(1) was issued on dated 28.06.2024.

Signature:
Name: (S. Roy)
Designation: AME