

MCDR INSPECTION REPORT

1	Name of Inspecting officer:	Madhavrao Sabre
2	Designation	Senior Mining Geologist, RO, Jabalpur
3	Accompanying mine official with Designation	Dinesh Dixit (HOD Mines)
4	Date of Inspection	23.11.2023
5	Previous Inspection date	NA

Part-I: General

S.No	Particulars	Details
1	Name of the Mine	Janardanpur- Patarhai-Bairiha Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	575.830 Ha, Forest Land – Nil, Entire land belongs to Non-Forest Land.
3	Mine code	38MPR35354
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/929/2011
5	Name of the lessee, Address, Phone, email and fax number	Dalmia Cement (Bharat) Ltd. Regd. Office- Dalmiapuram 621651 (Tamil Nadu) Corporate Office- Dalmia Cement (Bharat) Ltd, 11th & 12th floors, Hansalaya Building, 15 Barakhamba Road, New Delhi-110001 Tel: (+91 11) 23465100 Email id: v.karthikeyan@dalmiacement.com
6	Village	Janardanpur, Patarhai, Bairiha
7	Taluka/Mandal	Rampur Baghelan
8	District	Satna
9	Pin code	485115
10	State	Madhya Pradesh
11	Post Office	Janardanpur
12	Nearest Police Station	Rampur Bahelan
13	Nearest Railway Station	Baghai
14	Date of opening of Mine	06.11.2021
15	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Thyagrajan Venkatesan, Rajendra, 4th Floor No.1, 2nd Street, Prithvi Avenue, Abhirampuram, Chennai-600018 email id: t.venkatesan@dalmiacement.com Phone No. : 044-40902112 Date of Appointment- 09.08.2012
16	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. V Karthikeyan, Dalmia Cement (Bharat) Ltd. Regd. Office- Dalmiapuram 621651 (Tamil Nadu) Corporate Office- Dalmia Cement (Bharat) Ltd, 11th & 12th floors, Hansalaya Building, 15 Barakhamba Road, New Delhi-110001 Tel: (+91 11) 23465100 Email id: v.karthikeyan@dalmiacement.com Date of Appointment- 06.09.2020
17	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Dinesh Dixit, 1st Floor, Viswanath Tower, Ward No 17, Near Sunshine Hotel, Rewa Road, Kripalpur, Satna, MP-485001 Tel: +919289052826 Email : Dixit.Dinesh@dalmiacement.com Date of Appointment-01.10.2021

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18	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. Dinesh Dixit, B.E Mining Engineering and 29+ years of experience 1st Floor, Viswanath Tower, Ward No 17, Near Sunshine Hotel, Rewa Road, Kripalpur, Satna, MP-485001 Tel: +919289052826 Email : Dixit.Dinesh@dalmiacement.com Date of Appointment-16.03.2023
19	Whether Geologist (with details of appointment) and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes- Both Mining Engineer (Dinesh Dixit, on 16.03.2023) and Geologist (Sanjay Ballabh Bhatt, on 15.06.2020) appointed under the rule 55 & carrying out their duties as per rule 56 & 57. .
20	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Approved Mining Plan, Letter Date 06.12.2018, Letter No MP/Satna/Limestone/MPLN/G-29/18-19/7044
21	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Not Applicable
22	Mineral(s) granted in lease and approved for Mining	Limestone
23	Method of Mining (Opencast, Underground)	Opencast
24	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
25	Captive/Non-Captive	Captive

Details about Mining Plan/ Review of Mining Plan etc

a) Letter No. and date of approval of mining plan	:	Approved Mining Plan, Letter Date 06.12.2018, Letter No MP/Satna/Limestone/MPLN/G-29/18-19/7044
b) Letter No. and date of approval of review of mining plan	:	Letter no. E 8794 MCDR-MPCOLST/42/2023-JBP-IBM_RO_JBP, dated :25/1/2024
c) Condition while approving the MP/ RMP/ modification	:	NA
d) Period of mining plan/ mining scheme in force :	:	2024-25 to 2028-29

PART III-MCDR Report details.

1. **Scientific Mining:** Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year (before 2022-23)	2021-22- 50 Holes (1500 Meters)	Before Plan Period (2012-13)-60 Holes (JBH Series) 1503.10 Meters 2021-22- 27 Holes (1205 Meter)	200 X 200 Grid G-1 Exploration
1b	Exploration over lease area for Geological axis 1 or 2 (for 2022-23)	38 Holes (1140 Meters)	67 Holes (2183 Meters)	200 X 200 Grid G-1 Exploration
1c	Exploration Agency & Expenditure in Lakh Rupees during the year (for 2022-23)	-	Geotech Exploration Private Limited Rs. 6902579/-	
1d	Balance area to be explored to bring the Geological axis in 1 or 2. (for 2022-23)	-	14 Holes- 407 meters	GR submitted to IBM Jabalpur on 29.09.2023
1e	Balance reserves as on 29.09.2023	(UNFC-111- 63.34 Million Tonnes) (UNFC-221- 42.19 Million Tonnes)	(UNFC-111- 63.34 Million Tonnes) (UNFC-221- 42.19 Million Tonnes)	
1f	General remarks of Inspecting officer on	Proposed exploration taken up by drilling of 87 boreholes.		

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	geology, exploration etc.	
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2. Development (FY 2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Towards North East of ML area	Towards North East of ML area	Violation issued for deviation.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Top Soil:- 1 Bench Limestone :- 1 Benches	Top Soil:- 1 Bench Limestone :- 1 Benches	Violation issued for deviation.
2c	Stripping ratio or ore to OB ratio	1:0.7	1:9.62	-
2d	Quantity of topsoil generation in m ³	360000 m ³	2739 m ³	Violation issued.
2e	Quantity of overburden generation in m ³	68000 m ³	Nil	Violation issued.
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Violation issued for less development		

3. Exploitation FY 2022-23

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1530000 MT	569 MT	Violation issued.
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	-do-
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	Not Applicable	Not Applicable	-
3g	Grade of sub-grade mineral generation	Not Applicable	Not Applicable	-
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanised	Manual	-
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	Deep Hole Blasting (115 mm dia & 6.0 m depth)	Nil	-
3k	Provision of mining machineries in mineral benches		Nil	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in	Yes	Yes	-

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	MP/SOM			
3m	Total area covered under excavation /pits (Ha.)	9 Ha	0.049 Ha	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.7	1:9.62	-
3o	Total area put in use under different heads at the end of year	9 Ha	0.189 Ha	Plantation done in 0.14 Ha
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20 : Nil 2020-21 : 402597 MT 2021-22 : 1131179 MT 2022-23: 1530000 MT	2019-20 : Nil 2020-21 : Nil 2021-22 : 315MT 2022-23 : 569 MT	Violation issued for less production..
3q	General remarks of inspecting officer on method of mining etc.	Very less production done , so violation issued.		

4. Solid Waste Management-Dumping (FY2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Top Soil- 324000 Cu.M OB – Nil MR- Nil	Nil	Violation issued.
4b	Location of topsoil, OB & mineral reject dumps	North Eastern Side of ML area	Nil	Mining operations started recently
4c	Number of Dumps within lease area and outside lease area	1 (with in ML)	Nil	Mining operations started recently
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Mining operations started recently
4e	Number of Active & Alive dumps	1	Nil	Mining operations started recently
4f	Number of dead dumps	Nil	Nil	Mining operations started recently
4g	Number of dumps established	1	Nil	Mining operations started recently
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	Mining operations started recently
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	Mining operations started recently
4j	Number of settling ponds	Nil	Nil	Mining operations started recently
4k	Specific comments of inspecting officer on waste dump management	Mining operation in the lease area are at nascent stage.		

5. Solid Waste Management-Backfilling (FY 2022-23)

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	-
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)	Nil	Nil	-
5d	Total area fully reclaimed & rehabilitated (Ha)	Nil	Nil	-

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5e	General remarks of inspecting officer on backfilling, reclamation etc	Mining operation in the lease area are at nascent stage.
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6. Progressive Mine Closure Plan(FY 2022-23)

S.N.	Item	Proposals	Actual Work	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	To be submitted before 1st July of every year	Yes, Complied	PMCP has been submitted for thr FY 2022-23 on 11.04.2023 to IBM Jabalpur
6b	Area available for rehabilitation (Ha)	Nil	Nil	-
6c	Afforestation done (ha)	Nil	Nil	-
6d	No. of saplings planted during the year	Nil	238 Saplings (0.14 Ha)	-
6e	Cumulative no. of plants	Nil	480 Saplings (0.29 Ha)	-
6f	Any other specific method of rehabilitation	Nil	Nil	-
6g	Cost incurred on watch & care during the year	Nil	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Nil	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Nil	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	Nil	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Nil	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Nil	Nil	-
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Nil	Nil	-
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Nil	Nil	-
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	-
6p	Compliance of Environment monitoring (core zone & buffer zone)	Yes	Yes	
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Environment monitoring done on regular basis.		

7. Mineral Conservation(FY 2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Nil	Nil	

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7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Nil	
7c	Different grade of mineral sort out at mine	Proper Blending	Cemnt grade	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Currently the Mining Operations are in a very nascent stage due to delay in land purchase and plant construction		

8. Environment(FY 2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	360000 m ³	2739 m ³	Violation issued for deviation
8b	Concurrent use or storage of topsoil	Usage 36000 m ³ for protective bund Storage 324000 m ³	2739 m ³ Used for protective bund.	2739 m ³ of Top Soil used as safety berm around the working pit
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dump 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 (Rule 41)	Nil	0.14 Ha (280 Saplings)	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by 18KL water sprinkler	Complied	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	280 saplings planted during the reporting year.		

9. Compliance of Rule 45 (2022-23)

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	M.R Submitted regularly A.R Submitted on 24.06.2023	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes furnished., Mining Engineer Dinesh Dixit, Geologist: Sanjay ballabh Bhatt	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes furnished.	-
9d	Scrutiny of Annual return on afforestation	Yes, 280 saplings planted	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Yes Furnished.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Yes furnished. Ex-mine price(₹-Tonne): Rs 411.60/-	-
9i	Scrutiny of Annual return on Fixed assets	(₹ 344604606)	-
9k	Scrutiny of Annual return on mining Machineries	Dumpers/ Tippers 30 tonne-24No Drill machine	-

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		<p>115 mm-2No Excavator 3.5 Cu.M-6No's Rock Breaker 320 HP – 1 No Bull Dozer 360 HP -1No Bull Dozer 350 HP -1No Pay Loader 275 HP- 1No Road Grader135 HP-1No Compactor 135 HP- 1No Water sprinkler18 Kl-1No Diesel Tanker16 Kl-1No Explosive Van 10 tonne- 1No Dewatering Pump (Diesel & Electric) 30-125 HP-2No Crane 60 HP-2No. Portable Diesel Engine Driven Welding Set- 3 Nos Portal Tower Light -3No Ambulance-1No ANFO Mixture Unit 1No</p>	
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