

INDIAN BUREAU OF MINES

--:-- Inspection Report --:--

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	LANJIBERNA LIMESTONE AND DOLOMITE MINE	Lease Area (Ha) :	873.057
Forest Area (Ha) :	63	Mine Code :	38ORI13014
Registration Number :	IBM/929/2011	Name of lessee :	Dalmia Cement (Bharat) Limited
Address of lessee :	Dalmiapuram ,Main Road, Kallakudi, Lalgudi	Phone of lessee :	04329-235222
Email of lessee :	V.karthikeyan@dalmiacement.com	Fax Number :	N/A
Village :	Lanjiberna	Taluka / Mandal :	Rajagangapur
District :	Sundargarh	Pincode :	621651
State :	Odisha	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
Date of Grant of Mining Lease :	2018-03-16	Date of Mining Lease Execution :	2017-12-15
Date of opening in the mine :	Nilsss		

Nominated Owner Details			
Name of the Nominated Owner :	N/A	Nominated Owner Address:	N/A
Nominated Owner Mobile :	N/A	Nominated Owner Email :	N/A
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	Nil
Mining Engineer Details			
Name of the Mining Engineer :	Devendra Kumar Deshmukh	Qualification of Mining Engineer :	BE-Mining
Address of Mining Engineer :	N/A	Phone of Mining Engineer :	N/A
Email of Mining Engineer :	N/A	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	Nil		
Geologist Details			
Name of the Geologist :	Dr. Udayanath Sahoo	Qualification of Geologist :	MSc, M. Phil & Ph.D (Geology)
Address of Geologist :	N/A	Phone of Geologist :	N/A
Email of Geologist :	N/A	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	Nil		
Mine Manager Details			
Name of the Mine Manager :	Devendra Kumar Deshmukh	Qualification of Mine Manager :	BE-Mining
Address of Mine Manger :	N/A	Phone of Mine Manger :	N/A
Email of Mine Manger :	N/A	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	Nil		

Mineral(s) granted in lease and proved for mining :	DOLOMITE,LIMESTONE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2024-11-28 (2025 - 2029)
Method of mining :	Open Cast	Category :	MECHANISED
Nature of Use :	Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	SUBRATA MUDULI
Designation :	SMG
Name of the Accompanying Official from Mine :	Mr. Omprakash R Khelkar, Mr. Devendra Kumar Deshmukh,Dr. Udayanath Sahoo,
Designation of the Accompanying Official :	Agent,Manager,Geologist
Type of Inspection :	MCDR,STR
Date of Inspection :	22/09/2025
Review year considered for MCDR Inspection :	2024-2025

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2.2.1 : Exploration Details

S.N.	Items for Reporting		As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of Core Boreholes		During the year 2024-25, 55 nos of core bore holes have been proposed (5500 Mtrs.)	During 2024-25 only 08 nos of core bore holes has been drilled for a total drilling meterage of 1071 mts	There is a shortfall of 47 nos of BHs for 4429m drilling during 2024-25 against the approved proposal.	Rule 11(1)	During the year 2024-25, there is a shortfall of 47 nos of bore holes for drilling meterage of 4429m.	Nil
2	Number of DTH Boreholes		0	0	0.000	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits		0	0	0.000	No Violation	Nil	Nil
4	Number of exploratory Trenches		0	0	0.000	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	289.59	309.49	-19.900	No Violation	Part of ML area over an extent of 563.567 Ha out of the entire ML area of 873.057 Ha has not been explored under G1 level of exploration. As per the approved MP document Potential Mineralised area is 205.02 Ha.	Nil

							However as per ammendment to MCDR Rules-2017 vide G.S.R.780(E) dated 3rd November, 2021 the potential mineralised area lying within the ML needs to be explored within a period of five year from the date of commencement of the rules. Proposal for drilling of 103 nos of core BHs for a total drilling meterage 14300 m has been approved.	
6		G2	112.41	112.41	0.000	No Violation	In Ha	Nil
7		G3	0	0	0.000	No Violation	Nil	Nil
8		G4	471.06	451.16	19.900	No Violation	In Ha.19.90 Ha G4 area explored in G1.	Nil
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROMP Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 &		UNFC Cat 111-188.313000 mt UNFC Cat 211-46.507500 mt UNFC Cat 332-1.369000 mt	UNFC Cat 111-183.016286 mt UNFC Cat 211-46.507500 mt UNFC Cat 332-1.369000 mt	Nil	No Violation	Nil	Nil

333 upto 334)

2.3.1 : Development - Opencast Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Location of development w.r.t. lease area	Within the ML in Pit-1,Pit-2,Pit-3	Within the ML in Pit-1,Pit-2,Pit-3	Nil	No Violation	Nil	Nil
2	Quantity of overburden generation in m3	3151900 No proposal has been approved for sale of mineral waste as minor mineral in the Mining Plan document for 2024-25.	2992273 843219 MT (337288 m3) mineral waste has been sold as minor mineral for civil construction purpose during 2024-25.	159627.000 (Shortfall of 5.064 %) 843219 MT (337288 m3) mineral waste has been sold as minor mineral for civil construction purpose during 2024-25.	Rule 11(1)	843219 MT (337288 m3) mineral waste has been sold as minor mineral for civil construction purpose during 2024-25 without having any year wise approved proposal in the mining plan document.	Nil
3	Quantity of topsoil generation in m3	0	0	0.000	No Violation	Nil	Nil
4	Stripping ratio : ore to OB ratio	1:0.350	1:0.414	0.064	No Violation	Stripping Ratio (Ore:OB) in tones/m3	Nil

2.4.1 Exploitation - Opencast Mine Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of pits / Blocks proposed for production	3	3	0.000	No Violation	Nil	Nil
2	Quantity of ROM mineral production proposed (in T)	During 2024-25 it was approved to produce Limestone-9500000 Tonnes Dolomite-80,000 Tonnes	During 2024-25 the Lessee has produced Limestone-7164908 Tonnes Dolomite-49803 Tonnes	There is short fall of 2335092 tonnes of Limestone and 30197.00 tonnes of Dolomite during 2024-25 against the approved proposal.	Rule 11(1)	There is short fall of 2335092 tonnes of Limestone and 30197.00 tonnes of Dolomite during 2024-25 against the approved mining plan document proposal.	Nil
3	Recovery of salable/usable mineral quantity from ROM production in T)	91.19	88.23	2.960	No Violation	RMP for the period 2025-26 to 2029-30 already approved on 28.11.2024.	Nil
4	Quantity of mineral reject/Sub-grade generation	836250	843143	-6893.000	No Violation	RMP for the period 2025-26 to 2029-30 already approved on 28.11.2024.	Nil
5	Grade of mineral reject/sub-grade generation as per threshold value declared	CaO % > 34% MgO % < 7%, Threshold Value	Avg grade of CaO- 35.65% & MgO- 7.97 %	Nil	No Violation	Nil	Nil

		declared CaO-34 % & MgO-5%					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Mechanised	Mechanised	Nil	No Violation	Nil	Nil
7	Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining plan	Bench height proposed is 8 m	Bench height maintained at 8 m	Nil	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No such proposal approved	Nil	Nil	No Violation	Nil	Nil

2.4.3 : Exploitation - Dump Working Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of dumps proposed for production	Nil	Nil	Nil	No Violation	Nil	Nil
2	Quantity of dump material handling Proposed (in Tonne)	Nil	Nil	Nil	No Violation	Nil	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	No such proposal approved.	Nil	Nil	No Violation	Nil	Nil
4	Production from dump(s) during the year	Nil	Nil	Nil	No Violation	Nil	Nil

5	Quantity of mineral reject generation	836250	843143	-6893.000	No Violation	0.824% additional mineral reject generation in comparison to the approved proposed quantity of mineral reject generation.	Nil
6	Grade of mineral reject generation and threshold value declared	CaO % > 34% MgO % < 7%, Threshold Value declared CaO-34 % & MgO-5%	Avg grade of CaO- 35.65% & MgO- 7.97 %	Nil	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	No such proposal approved.	Nil	Nil	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	No such proposal approved.	Nil	Nil	No Violation	Nil	Nil

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2.5.1 : OB/Waste Dumps Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Proposal was given for separate dumping of OB material.	Waste dumping done separately	Nil	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	OB Dump within the ML	OB Dump within the ML	Nil	No Violation	Nil	Nil
3	Number of active & Inative dumps	Active Dump-01, Inactive -10 & Temporary Dump-02	Active Dump-01, Inactive -10 & Temporary Dump-02	Nil	No Violation	Nil	Nil
4	Number of dead dumps	No such proposal approved for the year 2024-25	Nil	Nil	No Violation	Nil	Nil
5	Number of dumps proposed for stabilished	No such proposal approved for the year 2024-25	Nil	Nil	No Violation	Nil	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	No such proposal approved for the year 2024-25	Nil	Nil	No Violation	Nil	Nil

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2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Status on part or full extraction of mineral from mined out area before starting backfilling	Full Extraction	Full Extracted	Nil	No Violation	Nil	Nil
2	Year-wise area under backfilling of mined out area	During 2024-25 it was proposed to carry out Backfilling of old pit over an extent of 2.2 Ha area and Pit1 East of Dump1N over an extent of 1.9750 Ha.	During 2024-25, Backfilling has been carried out over an extent of 1.0500 Ha in Pit1 East of Dump1N.	There is a shortfall in Backfilling of old pit area over an extent of 2.20 Ha and Pit-1 East of Dump 1N area over an extent of 0.9250 Ha against the approved proposal of 2024-25.	Rule 11(1)	There is a shortfall in Backfilling of old pit area over an extent of 2.20 Ha and Pit-1 East of Dump 1N area over an extent of 0.9250 Ha against the approved proposal of 2024-25.	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	No such proposal approved for 2024-25.	Nil	Nil	No Violation	Nil	Nil
4	Total area fully reclaimed & rehabilitated	No such proposal approved for 2024-25.	Nil	Nil	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	No such proposal approved for 2024-25.	Nil	Nil	No Violation	Nil	Nil

2.7.1 : Progressive Mine Closure Plan (PMCP) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	No such proposal approved for 2024-25.	Nil	Nil	No Violation	Nil	Nil
2	Rehabilitation by making water reservoir	No such proposal approved for 2024-25.	Nil	Nil	No Violation	Nil	Nil
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No such proposal approved for 2024-25.	Nil	Nil	No Violation	4000 nos sapling planted over 1.27 Ha area within the ML area 3200 nos at village road safety barrier and 800 nos at other places within the ML.	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Periodical monitoring of environmental parameters.	Regular Environmental monitoring carried out.	Nil	No Violation	Nil	Nil

2.8.1 : Mineral Conservation Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposal approved for 2024-25.	Nil. Entire ROM despatched to Cement Plant.	Nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	Only Cement Grade Limestone proposed to be produced.	Only Cement Grade Limestone produced.	Nil	No Violation	Nil	Nil
3	Any beneficiation process at mines	No such proposal approved for 2024-25.	Nil	Only crushing plant for size reduction.	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	No such proposal approved for 2024-25.	843143 tonnes Mineral Reject has been blended with high grade Limestone and is part of 7164908 tonnes Limestone production.	Nil	No Violation	Nil	Nil

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2.9.1 : Environment Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate removal and utilization of topsoil	No such proposal approved for 2024-25	Nil	Nil	No Violation	Nil	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	330000 m3 (22000 X 15)	489701 m3	Nil	No Violation	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling of old pit (2.2 Ha area) Pit1 East of Dump1N- (1.9750 Ha)	Backfilling carried out over 1.0500 Ha in Pit1 East of Dump1N	Shortfall in Backfilling of old pit (22000 m2 area) and 0.9250 Ha area of Pit-1 East of Dump 1N.	No Violation	0.9250 Ha area shrotofall in backfilling of Pit1 (East of Dump1N) and 2.20Ha area shrotofall in backfilling of Old Pit against the approved proposal of 1.9750 Ha and 2.20 Ha respectively during 2024-25. Violation is being pointed out under rule 11(1) of MCDR-2017.	Nil
4	Plantation & Survival rate	3175 nos in 1.27 Ha Survival rate-80%	4000 nos Survival rate-80%	Nil	No Violation	Nil	Nil

5	Water sprinkling on roads to control airborne dust	Water sprinkling on road by water tanker, fixed Sprinkler, fixed & mobile mist cannon.	Being done by water tanker, fixed Sprinkler, fixed & mobile mist cannon.	Nil	No Violation	Nil	Nil
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2.10 : Annual Return Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Submission of Online Monthly and Annual returns in prescribed period or not	As per MCDR 2017, the monthly return is to be submitted by 9th day of every month in respect of the preceding month and AR is being submitted by 30th June each year for the proceeding financial year	Monthly return for August 2025 have been submitted on 09.09.2025 within the prescribed time frame and Annual Return 2024-25 has been submitted on 28.06.2025 within the prescribed time frame.	Nil	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	1. Sri Devendra Deshmukh, Mines Manager 2. Dr Udayanath Sahoo - Geologist. are appointed as per rule 55 of MCDR	Both appointed and found to be present during inspection.	Nil	No Violation	Nil	Nil

		2017					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	Correct information to be submitted	Nil	Nil	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	No such proposal approved.	Nil	Nil	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	To be submitted.	Submitted.	Nil	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine prices- Rs 421.57, Production Cost- Rs 421.57	Ex-mine prices- Rs 421.57, Production Cost- Rs 421.57	Nil	No Violation	Nil	Nil

2.11 : SDF Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Start Ratings accorded for mine during last 3 years	2023-24- 5 Star (Applied by Lessee)	2023-24- 4 Star validated by IBM	Nil	No Violation	Nil	Nil

Part-III : Other Reports

3.1.1 : Upload Other Reports

S.N.	Reports File	Remark File Description
1	Nil	Nil

Part-IV : Summary Details

4.1 : Summary of Violations

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Exploration : Number of Core Boreholes	During the year 2024-25, 55 nos of core bore holes have been proposed (5500 Mtrs.)	During 2024-25 only 08 nos of core bore holes has been drilled for a total drilling meterage of 1071 mts	There is a shortfall of 47 nos of BHs for 4429m drilling during 2024-25 against the approved proposal.	Rule 11(1)	During the year 2024-25, there is a shortfall of 47 nos of bore holes for drilling meterage of 4429m.	Nil
2	Development - Opencast : Quantity of overburden generation in m3	3151900 No proposal has been approved for sale of mineral waste	2992273 843219 MT (337288 m3) mineral waste has been sold as	159627.000 (Shortfall of 5.064 %) 843219 MT (337288 m3)	Rule 11(1)	843219 MT (337288 m3) mineral waste has been sold as	Nil

		as minor mineral in the Mining Plan document for 2024-25.	minor mineral for civil construction purpose during 2024-25.	mineral waste has been sold as minor mineral for civil construction purpose during 2024-25.		minor mineral for civil construction purpose during 2024-25 without having any year wise approved proposal in the mining plan document.	
3	Exploitation - Opencast Mine : Quantity of ROM mineral production proposed (in T)	During 2024-25 it was approved to produce Limestone-9500000 Tonnes Dolomite-80,000 Tonnes	During 2024-25 the Lessee has produced Limestone-7164908 Tonnes Dolomite-49803 Tonnes	There is short fall of 2335092 tonnes of Limestone and 30197.00 tonnes of Dolomite during 2024-25 against the approved proposal.	Rule 11(1)	There is short fall of 2335092 tonnes of Limestone and 30197.00 tonnes of Dolomite during 2024-25 against the approved mining plan document proposal.	Nil
4	Solid Waste Management - Backfilling (Opencast) : Year-wise area under backfilling of mined out area	During 2024-25 it was proposed to carry out Backfilling of old pit over an extent of 2.2 Ha area and Pit1 East of Dump1N over an extent of 1.9750 Ha.	During 2024-25, Backfilling has been carried out over an extent of 1.0500 Ha in Pit1 East of Dump1N.	There is a shortfall in Backfilling of old pit area over an extent of 2.20 Ha and Pit-1 East of Dump 1N area over an extent of 0.9250 Ha against the approved proposal of 2024-25.	Rule 11(1)	There is a shortfall in Backfilling of old pit area over an extent of 2.20 Ha and Pit-1 East of Dump 1N area over an extent of 0.9250 Ha against the approved proposal of 2024-25.	Nil

Esigned by: SUBRATA MUDULI
Date: 12/11/2025 05:09:50 PM