

MCDR INSPECTION REPORT-2022-23**General**

S N	Particulars	Details
1	Name of the Mine	Medesara Limestone Mines 17.90 Ha
2	Date of Inspection	23/06/2023
	Name of Inspecting Officer	Shri Dayanand Upadhyay, DCOM
	Name of official accompanying inspection	Mr. Deepak Kumar Mr. Sanjay Kumar Sharma (Mines Manager cum Mining Engineer) Mr. Mallishi Kadlimati (Geologist)
3	Last date of Inspection & Officer	Shri P. K. Sahu, AME
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest Land- Nil Non Forest Land- 17.90 Ha Total Lease area- 17.90 Ha
5	Mine code	38CHG05003
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/18805/2014
7	Name of the lessee, Address, phone, email and fax number	M/s Singhania Minerals Private Limited Address: Paryavas Bhawan, Block No. 1 Jail Road, Arera Hills Road, Bhopal, Madhya Pradesh Mobile no. 9752599824 Email: sanjaykumarsharma759@gmail.com
8	Village	Medesara
9	Taluka/Mandal	Dhamdha
10	District	Durg
11	Pincode	490036
12	State	Chhattisgarh
13	Post office	Medesara
14	Nearest police station	Nandini
15	Nearest Railway station	Power House Bhilai
16	Date of Grant of Mining Lease	DMG letter No. F/3-4/2001/12 Dated 11/05/2001.
17	Date of Execution	Executed: 19/06/2001 Lease granted for a period 19/06/2001 to 18/06/2031 (30 Years) Supplementary lease agreement made on 21/12/2016 up to 18/06/2051 (20 years) as per MMDR act 2015.
18	Date of opening of Mine	20/09/2016 (opening by ACC Limited)
19	Date of first Renewal, if applicable and its period & expiry	NA
20	Date of second Renewal, if applicable and its period & expiry	NA
21	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Name: Mr. Sukuru Ramarao Designation : Chief Manufacturing Officer DOA: 01.02.2023, ramarao.sukuru@adani.com Address: 121, Maharshi Karve Road Mumbai - 400 020, India

		Phone: 02241593507 Fax: 02266317431
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Name: Mr. Suresh Dube Designation: Chief Plant Manager DOA:01/11/2022 Address: ACC Jamul Cement Works Bhilai Durg C.G- 490024 suresh.dubey@adani.com Phone: +91 9262299138
24	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Sanjaykumar Sharma Designation: Manager Mines Qualification: BE Mining DOA:10.04.2023 Work Experience: 30 Years Address: ACC Jamul Cement Works Medesara Mines, Medesara, Dhamdha Durg C.G-490036 Mob: 9752599824 sanjaykumarsharma759@gmail.com
25	Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Sanjay Kumar Sharma Designation: Mining Engineer Qualification: BE Mining DOA:15.05.2023 Address: ACC Jamul Cement Works Medesara Mines, Medesara, Dhamdha Durg C.G-490036 Mob: 9752599824 sanjaykumarsharma759@gmail.com Mr. Mallishi Kadlimati Designation: Geologist Qualification: Msc Applied Geology DOA:03.09.2022 Address: ACC Jamul Cement Works Medesara Mines, Medesara, Dhamdha Durg C.G-490036 Mob: 7738626738 mallishi.kadlimati@adani.com
26	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
27	Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	RMP Approval Letter no: Durg/chu.pa/kha yo-1246/2020 Dated:24-11-2020
28	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	For the period 2021-22 to 2025-26 (5 Years) NA
29	Mineral(s) granted in lease and proved for mining	Limestone
30	Method of Mining(Open cast, Underground)	Open cast
31	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
32	Captive/Non Captive	Captive
33	Present EC Status	EC capacity 88000TPA
34	Status of Financial Assurance	Rs 2940000/- Valid upto 31/03/2026

Scientific Mining: Compliance of proposals of approved mining plan/Review of mining.

Exploration

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
1a	Backlog of previous year	Not proposed	In 2022-23, 03 nos. of bore holes drilled by lessee	No Backlog.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Under G1 Category: 17.90 Ha	Entire lease area 17.90 ha is explored under G1 Category.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	Exploration Agency – Gem Consultants, Expenditure Rs. 412000/-	Entire lease area 17.90 ha is explored under G1 Category.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	In 2022-23, 03 nos. of bore holes drilled by lessee	Entire lease area 17.90 ha is explored under G1 Category.
1e	Balance reserves as on 01.04.2023	Under (111): 8.11 Million Tonnes Under (211): 5.06 Million Tonnes		Reserve after re-assessment during 2022-23 exploration.
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lease area 17.90 ha is explored under G1 Category.		

Development

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
2a	Location of development w.r.t. lease area	E539694, N2363890 E539525, N2364023	Development is carried out within E539694, N2363890 E539525, N2364023	Development is carried out within approved proposal
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top Soil: Nil Separate benches in OB & Ore	Top Soil: Nil Separate benches in OB & Ore	Separate benches in OB & Ore are maintained
2c	Stripping ratio or ore to OB ratio	1:0.06	1:0.0	OB not reported
2d	Quantity of topsoil generation in m ³	Not proposed	Nil	Topsoil not proposed
2e	Quantity of overburden/waste generation in m ³	5534	0	OB not generated in 2022-23.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development is carried out within approved proposal.		

Exploitation

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	1	1	01 pit
3b	Quantity of Limestone production proposed	87258 T	30297.37T	ROM production is consumed to its captive plant.
3c	Recovery of salable/usable mineral from ROM production	100%	100%	ROM production is consumed to its captive plant
3d	Quantity of mineral reject generation	Not proposed	NiL	NiL
3e	Grade of mineral reject generation and threshold value declared	Not proposed	NiL	NiL
3f	Quantity of sub-grade mineral generation	Not proposed	NiL	NiL
3g	Grade of sub-grade mineral generation	Not proposed	NiL	NiL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Mechanised
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NiL	NiL
3j	Provision of drilling & blasting in mineral benches	Drilling and blasting is proposed,	Drilling and blasting is carried out as per proposal.	Drilling and blasting is carried out as per proposal.
3k	Provision of mining machineries in mineral benches	Shovel and dumper combination	Shovel and dumper combination	Excavator, Loader and Dumper are equipped to winning out the mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation/pits	7.64 Ha upto the end of plan period 2025-26.	6.30 Ha upto plan period 2022-23	6.30 Ha area covered under excavation.
3n	Ore to OB ratio for the pit/mine during the year	1:0.06	1:0.0	OB not generated in 2022-23.
3o	Total area put in use under different heads at the end	Pit-7.64 Ha OB/Dump-0.64 Ha	Pit-6.24Ha OB/Dump-0.64	Pit-6.24Ha OB/Dump-0.64 Ha

	of year	Road/infra:0.40Ha Green belt- 0.64 Ha upto 2025-26	Ha Road/infra: 0.4 Ha PMCP- Greenbelt-0.84 Ha along 7.5m safety bund Upto 22-2023	Road/infra: 0.4 Ha
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 87638 MT 2019-20: 87635 MT 2020-21: 87813 MT 2021-22: 87850 MT 2022-23: 87258 MT	2018-19: 87355 MT 2019-20: 87575MT 2020-21: 2053 MT 2021-22: 65052 MT 2022-23: 30297.37 MT	ROM production is consumed to its own captive plant.
3q	General remarks of inspecting officer on method of mining etc.	The ROM production has been carried out from single pit as per proposal.		

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)	OB generated proposed to be utilized for making bund within 7.5m non mining zone.	No Ob generated during the year.	No OB generated during the year.
4b	Location of topsoil, OB & mineral reject dumps	OB generated proposed to be utilized for making bund within 7.5m non mining zone.	No Ob generated during the year.	No OB generated during the year.
4c	Number of dumps within lease area and outside lease area	Not proposed	NiL	NiL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NiL	NiL
4e	Number of active & alive dumps	Not proposed	NiL	NiL
4f	Number of dead dumps	Not proposed	NiL	NiL
4g	Number of dumps stabilised	Not proposed	NiL	NiL
4h	Whether Retaining wall or	Not proposed	NiL	NiL

	garland drain all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NiL	NiL
4j	Number of settling ponds	Not proposed	NiL	NiL
4k	Specific comments of inspecting officer on waste dump management	OB generated proposed to be utilized for making bund within 7.5m non mining zone. In 2022-23 no OB generated.		

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	Not proposed	NIL	Area is not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	Not proposed	NIL	--do--
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NIL	--do--
5d	Total area fully reclaimed & rehabilitated	Not proposed	NIL	--do--
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is not matured for reclamation and rehabilitation.		

Progressive Mine Closure 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)	As per provision of MCDR 2017.	Annual report on PMCP submitted	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	Not proposed	NIL	Area is not matured for reclamation and rehabilitation.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling			Area is not matured for

	(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	Not proposed	NIL	reclamation and rehabilitation.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not proposed	NiL	NiL
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes Proposed	Being done as per proposal.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Area is not matured for reclamation and rehabilitation.		

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 generated is cement grade and proposed to directly supply to Captive Cement Plant Jamul Cement Works.	ROM Generated is directly supplied to Captive cement plant Jamul cement works.	ROM Generated is directly supplied to Captive cement plant Jamul cement works.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	Mechanical
7c	Different grade of mineral sorted out at mines	Homogeneous grade	Homogeneous grade	Mechanical
7d	Any beneficiation process at mines	Not proposed	NIL	Not proposed
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM Generated is directly supplied to Captive cement plant Jamul cement works.		

Environment

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	NiL	NiL
8b	Concurrent use or storage of topsoil	Not	NiL	NiL

		proposed		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	NiL	OB generated proposed to be utilized for making bund within 7.5m non mining zone. In 2022-23 no OB generated.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NIL	Area is not matured for reclamation and rehabilitation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NIL	Area is not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Base line: 3027 no. Cumulative plantation upto 31/03/2022. Additional plantation proposed during 2022-23— 200 nos.	Base line: 3027 no. Cumulative plantation upto 31/03/2022. Additional plantation done during 2022-23— 200 nos.	Base line: 3027 no. Cumulative plantation upto 31/03/2022. Additional plantation done during 2022-23— 200 nos.
8g	Survival rate	Not specified.	76%	Survival rate 76%
8h	Water sprinkling on roads to control airborne dust	Water tanker	Water tanker deployed to control airborne dust.	Water tanker deployed to control airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around mines area is maintained by plantation.		

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Submitted within times -Yes M.R. Submitted upto – May 2023 A.R. submitted upto -- 2022-23		
S.N.	Item		Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines manager Shri. Sanjay Sharma, Mining Engineer: Shri. Sanjay Sharma,, Geologist: Shri Mallishi	Mines manager Shri. Sanjay Sharma, Mining Engineer: Shri. Sanjay	Found in order.

		Kadlimati, Geologist.	Sharma, Geologist: Shri Mallishi Kadlimati, Geologist.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 7.64 Ha Infra & roads: 0.40 Ha Bund: 0.64	Pit: 6.30 Ha Infra & roads: 0.4 Ha Bund: 0.64	Found in order.
9d	Scrutiny of Annual return on afforestation	Plantation Proposed 200 no.	Plantation done 200 nos-	Found in order.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production is Rs.279.25/mt	Cost of production is Rs.279.25/mt	Found in order.
9i	Scrutiny of Annual return on fixed assets	Fixed asset under Capital structure (Part II A)-38,39,615/-	Fixed asset under Capital structure (Part II A)-38,39,615/-	Found in order.
9k	Scrutiny of Annual return on mining machineries	BACK HOE, ROCK BREAKER, DRILL MACHINE etc furnished.	BACK HOE, ROCK BREAKER, DRILL MACHINE etc furnished.	Found in order.

10- Details of violations observed during inspection and the compliance status.

Violation of Rule 11(1) has been pointed to the lessee during current inspection.

Date: 04/07/2023

Signature:

Name: D. Upadhyay

Designation: Deputy Controller of Mines