

MCDR INSPECTION REPORT 2022-23**1.0 GENERAL**

SN	Particulars	Details
1	Name of the Mine	Matia Limestone Mine
2	Date of Inspection	07/09/2023
3	Name of Inspecting Officer	Prasant Kumar Sahu, Assistant Mining Engineer
4	Name of official accompanying inspection	Mr. Ashok Sahu (Director) Dr. Monoj Kumar, Qualified Person
5	Last date of Inspection & Officer	10/11/2022 by Shri D. Dash, Regional Mining Geologist
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	12.137 Ha.
7	Mine code	38CHG14006
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/18221/2014
9	Name of the lessee, Address, phone, email and fax number	M/s Gangotri Limes (P) Limited Shri Ashok Kumar Sahu (Director) Ward No.-01, Donde Khurd, P.O. - Dondekala Tehsil & District-Raipur (C.G.), Pin no.-493111, Mobile No.- 8602765000 (m) Email id: bhavika1980@yahoo.com
10	Village	Matia
11	Taluka	Dharsiwa
12	District	Raipur
13	Pin code	493111
14	State	Chhattisgarh
15	Post office	Donde- Khurd
16	Nearest police station	Raipur
17	Nearest Railway station	Mandhar
18	Date of Grant of Mining Lease	10/09/1998
19	Date of Execution	50 years from 27/04/1999 to 26/04/2049.
20	Weekly day of rest	Sunday
21	Date of opening of Mine	01/11/2003
22	Date of first Renewal, if applicable and its period & expiry	NA
23	Date of second Renewal, if applicable and its period & expiry	NA
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	M/s Gangotri Limes (P) Limited Shri Ashok Kumar Sahu (Director) Ward No.-01, Donde Khurd, P.O. - Dondekala Tehsil & District-Raipur (C.G.), Pin no.-493111, Mobile No.- 8602765000 (m) Email id: bhavika1980@yahoo.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	None

I/26976/2024 **2.0 Development:**

SN	Item	Proposals 2022-23	Actual work 2022-23	Remarks
2a	Location of development w.r.t. lease area	E-495 to E-618, N 138 to N 355	Carried out within the proposed area	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Separate benches proposed in OB & Mineral	Separate benches were maintained in OB & Mineral	In mineral bench height- 3m & width-3m
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	No generation of OB
2d	Quantity of topsoil generation in m ³	No proposal	Nil	No topsoil generated
2e	Quantity of overburden generation in m ³	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The quarry development is mostly in the proposed area. However, 7.5 m safety barrier zone was found encroached at number of places along the lease boundary by extending the existing pit. Violation of Rule 11(1) of MCDR, 2017 was pointed out on dated 22.12.2022 based on the last inspection carried out by Shri D. Dash, RMG on dated 10.11.2022 and subsequently the mining operation was suspended on 20.10.2023.		

3.0 Exploitation

	Item	Proposals 2022-23	Actual work 2022-23	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of Limestone production proposed	1,00,000 T	22495 T	The mine was mostly non-working due to lack of market
3c	Recovery of saleable/usable mineral from ROM production	95,000 T	22495 T	95% recovery was envisaged in the approved plan.
3d	Quantity of mineral reject generation	5,000 T	Nil	No generation of mineral rejects.
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
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	No proposal	No such study carried out	Not required for Limestone.
3j	Provision of drilling & blasting in mineral benches	Jack Hammer drilling of 32 mm. dia and blasting	Done as proposed	

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		by using emulsion cartridge explosive		
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	In mineral bench height-3m & width-3m	In mineral bench height-3m & width-3m	
3m	Total area covered under excavation/pits	9.361 Ha. up to end of RMP period 2023-24	8.851 Ha. up to 2022-23	
3n	Ore to OB ratio for the pit/mine during the year	1:0.00	1:0.00	No generation of overburden
3o	Total area put in use under different heads at the end of year	Total area 9.625 Ha. up to 2022-23	Total area 9.137 Ha. up to 2022-23	
3p	Production of ROM mineral in tonnes during last five-year period, as applicable	2018-19: 1,00,000 2019-20: 1,00,000 2020-21: 1,00,000 2021-22: 1,00,000 2022-23: 1,00,000	0.00 0.00 0.00 6720.00 22495.00	The mine was non-working for most of the planned period.
3q	General remarks of inspecting officer on method of mining etc.	Open cast working is being carried out by the deployment of HEMMs with the help of drilling and blasting. No waste generation was observed during the visit.		

4.0 Solid Waste Management-Dumping:

SN	Item	Proposals 2022-23	Actual work 2022-23	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	Nil	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	A mineral stack was developed on the eastern side between boundary pillars 40 & 43. Violation of Rule 11(1) of MCDR, 2017 is pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Nil	No waste dump was observed
4e	Number of active & alive dumps	No proposal	Nil	No waste dump was observed
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilised	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	

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4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	Not applicable.
4k	Specific comments of inspecting officer	A temporary mineral stack was observed developed on the eastern side between boundary pillars 40 & 43 without any proposal in the approved RMP. Violation of Rule 11(1) of MCDR, 2017 was pointed out on dated 22.12.2022 based on the last inspection carried out by Shri D. Dash, RMG on dated 10.11.2022, and subsequently the mining operation was suspended on 20.10.2023.		

5.0 Solid Waste Management-Backfilling:

SN	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	No proposal	Nil	Area is not fully exhausted for back filling
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation, etc.	No proposal was envisaged for backfilling and reclamation in the approved Review of Mining Plan. The area is not fully exhausted for backfilling.		

6.0 Progressive Mine Closure Plan:

SN	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 01 st July every year.	PMCP report received on time.	PMCP report submitted on 26.06.2023
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	Nil 0.0100 Ha. 50 Saplings Nil Nil	Nil Nil 100 Saplings Nil Nil	

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6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X 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	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	Not applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not specific	Not applicable	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The lessee has carried out the PMCP activities as per the proposals.		

7.0 Mineral Conservation:

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch	ROM Mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanized	Mechanized	
7c	Different grade of mineral sorted out at mines	No proposal	Not applicable	
7d	Any beneficiation process at mines	No proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mining operation is being carried out by open cast method (Category-A). No proposal for the beneficiation of limestone.		

8.0 Environment:

SN	Item	Proposals 2021-22	Actual work 2021-22	Remarks
8a	Separate removal and utilization of topsoil	No proposal	Nil	No topsoil generation was reported during the year
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	No waste encountered
8d	Use of overburden, waste rock, rejects and fines dumps for	No proposal	Nil	

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24	restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No area is matured for reclamation
8f	Baseline information on existence of plantation & additional plantation done	Plantation proposed WML:50 saplings in 2022-23	Within the lease area 100 nos. saplings	As per AR 2022-23
8g	Survival rate	Not approx.	50%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Done as proposed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Topsoil and OB are not encountered at this stage and the mineral is not fully exhausted for reclamation and rehabilitation.		

9.0 Compliance of Rule 45:

S.N.	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	MR submitted up to Sept 2023 AR submitted up to F.Y. 2022-23		
S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Engineer, Geologist and Manager appointed.	No officials were present during the visit.	Violation of Rule 55 (1) (c) (i) of MCDR, 2017 pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Total area of 9.137 Ha. up to 2022-23	Appears to be correct	
9d	Scrutiny of Annual return on afforestation	100 saplings	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	No generation of mineral reject	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening stock: Nil Production:22495 Tonne Closing Stock: Nil	Appears to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex mine price: Rs 480 Cost of production: Rs. 388.10	Appears to be correct	
9i	Scrutiny of Annual return on fixed assets	Rs. 78535.00	As per AR submitted.	
9k	Scrutiny of Annual return on mining machineries	Nil	All machineries are in contractual basis.	

During the previous inspection by Shri D. Dash, RMG on dated 10.11.2022, violation of Rule 11(1) and 55(1) (c)(i) was pointed out. Further, a show cause notice was issued for non-compliance of the above cited Rules on dated 25.08.2023. Subsequently, the mining operation was suspended under Rule 11(2) of MCDR, 2017 on dated 20.10.2023 for non-compliance of the above Rules.

Details of Violations observed during current inspection: -

The mining operation was suspended under Rule 11(2) of MCDR, 2017 on dated 20.10.2023 for non-compliance of Rule 11(1) and 55(1) (c)(i) of MCDR, 2017. During the current inspection, no violation is pointed out for the same violations which were pointed out in the earlier inspection for which the mining operation was suspended.

Date- 20.02.2024

प्रशान्त कुमार साहू / Prasant Kumar Sahu
सहायक खनन अभियंता / Assistant Mining Engineer
भारतीय खान ब्यूरो रायपुर , / Indian Bureau of Mines, Raipur