

MCDR INSPECTION REPORT

General

File no: CHG/BST/LST-09/38CHG01016

S.N.	Particulars	Details
1	Name of the Mine	Mongrapal Limestone Mine (15.94ha)
2	Date of Inspection	24/06/2021
3	Name of Inspecting Officer	Shri Rudra N. Mishra (Senior Mining Geologist)
4	Last date of Inspection & Officer	12/06/2019 , Shri Rudra N. Mishra (Senior Mining Geologist)
5	Total Lease Area (Ha) with breakup of non-forest and forest land	Non- forest: 15.94 hect. Forest Land: 00.00 hect. Total Land: 15.94 hect.
6	Mine code	38CHG01016
7	IBM Registration Number under rule 45 of MCDR,2017	IBM/10025/2012
8	Name of the Lease, Address, Phone, email and fax number	Shri Vimal Lunia, M/S Vimal Stone Associates, Semi Urban Industrial Area, Frezerpur, P.O. – Jagdalpur, Dist- Bastar, Chhattisgarh- 494001, Phone No – 07782228555 Fax No-07782227126 Mobile No – 9425258461 Email: vimalstone@rediffmail.com vimalstoneassociates@gmail.com
9	Village	Mongrapal
10	Taluka/Mandal	Jagdalpur
11	District	Bastar
12	Pin code	494223
13	State	Chhattisgarh
14	Post Office	Mongrapal
15	Nearest Police Station	Bastar
16	Nearest Railway Station	Jagdalpur
17	Date of Grant of Mining Lease	08/05/2006 to 07/05/2026 for 20years.
18	Date of Execusion	01/06/2006
19	Date of opening of Mine	11/06/2009
20	Date of First Renewal, if applicable and its period & expiry	N. A
21	Date of Second Renewal, if applicable and its period & expiry	N. A
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N. A
23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Vimal Lunia, M/S Vimal Stone Associates, Semi Urban Industrial Area, Frezerpur, P.O. – Jagdalpur, Dist- Bastar, Chhattisgarh- 494001,

		Phone No – 07782228555 Fax No-07782227126 Mobile No – 9425258461 Email: vimalstone@rediffmail.com vimalstoneassociates@gmail.com
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Vimal Lunia, M/S Vimal Stone Associates, Semi Urban Industrial Area, Frezerpur, P.O. – Jagdalpur, Dist- Bastar, Chhattisgarh- 494001, Phone No – 07782228555 Fax No-07782227126 Mobile No – 9425258461 Email: vimalstone@rediffmail.com vimalstoneassociates@gmail.com
25	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Rajiv Jaiswal, Semi Urban Industrial Area, Frezerpur, P.O. – Jagdalpur, Dist- Bastar, Chhattisgarh- 494001, Phone No – 07782228555 Fax No-07782227126
26	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri S.G. Rao, B. Tech, Mining Engineer Semi Urban Industrial Area, Frezerpur, P.O. – Jagdalpur, Dist- Bastar, Chhattisgarh- 494001, Phone No – 07782228555 Fax No-07782227126
27	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per rule 54 & 55 (MCDR 2017).	Shri Subhash Kumar (Geologist) Semi Urban Industrial Area, Frezerpur, P.O. – Jagdalpur, Dist- Bastar, Chhattisgarh- 494001, Fax No-07782227126 Mobile No: 9893737222.
28	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Mining Plan Approval date; 07/09/2006 letter no BST/LST/MPLN-941/NGP for period 2006-07 to 2010-11.
29	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Latest Modified Mining plan approved on 17/08/2016, letter no BST/LST/MPLN-1082/2017/RPR for period 2016-17 to 2020-21.
30	Mineral(s) granted in lease and approved for Mining	Limestone
31	Method of Mining (Opencast, Underground)	Opencast
32	Category (Fully Mechanized, Others or Manual)	Category -A, Mechanized
33	Captive/Non-Captive	Non-Captive mine
34	Environmental Clearance	0.05MTPA Date of Issue: 02/02/2009
35	Status of Financial Assurance	Rs – 2 Lakh valid upto 16/12/2021 Rs – 8 Lakh valid upto 24/08/2021

Exploration

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
1a	Backlog of previous year	04	Nil	VL Pointed out
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	N/A	
1e	Balance reserves as on 01.04.21	Under 122: 15,30,345T. Under 333: 3,31,650.00T		
1f	General remarks of Inspecting officer on geology, exploration etc.	The Mongrapal limestone deposit belongs to Jagadapur formation constituting 'Indravati Group' for the Purana group of Bastar and divided into three formation name Jagdalpur, Kanger, and Tirathgarh. The limestone is flaggy in nature, predominantly greyish in color and yield a prolific development of stromatolites. Mongrapal limestone consists of fine to medium grained, purple with mottled appearance having 2°-4° dip towards SW. Its first reported by state DGM.		

Development

S. N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
2a	Location of Development w.r.t. lease area	Bench 573 to 569 mrl. & Bench 569 to 566 mrl, E-220 – E-400, 0.00 to N-200.	Bench 573 to 569 mrl. & Bench 569 to 566 mrl, E-220 – E-400, 0.00 to N-200.	Top Soil is negligible
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Not in proposal	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.18	Nil	
2d	Quantity of topsoil generation in m ³	Not in proposal	Nil	
2e	Quantity of overburden generation in m ³	136 m ³	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Semi Mechanised open cast Mining method in small scale. Mining operation carried out in day shift from 8am to 5pm. Using the wire chainsaw for cutting the limestone blocks.		

Exploitation

S.N	Item	Proposals (2020-21)		Actual Work (2020-21)	Remarks
3a	Number of pits proposed for production	01		01	
3b	Quantity of ROM mineral production proposed (2018-19)	6812.00T		5.875 T	
3c	Recovery of Salable/usable mineral from ROM production	6589.00T		5.875 T	
3d	Quantity of mineral reject generation	223.00T		0.0 T	
3e	Grade of mineral reject generation and threshold value declared	Cao< 34% MgO> 4%		Cao< 34% MgO> 4%	
3f	Quantity of sub-grade mineral generation	zero		zero	
3g	Grade of sub-grade mineral generation	Cao< 34% MgO> 4%		Cao< 34% MgO> 4%	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized		Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Proposal has not been given in approved Mining Plan		No Beneficiation study done.	
3j	Provision of drilling & blasting in mineral benches	yes		No blasting done during the year	
3k	Provision of mining machineries in mineral benches	yes		yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes		yes	
3m	Total area covered under excavation /pits	2.510 ha		2.510ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.18		Nil overburden	
3o	Total area put in use under different heads at the end of year	Area Under Pit: 2.510 ha		Area Under Pit: 2.510 ha	
3p	Production of ROM in Tones mineral during last Five-years period, as Applicable	2016-17	6812.00T	201.00T	
		2017-18	6812.00T	326.00T	
		2018-19	6812.00T	64.95 T	
		2019-20	6812.00T	27.750 T	
		2020-21	6812.00T	5.875 T	
3q	General remarks of inspecting officer on method of mining etc.	Very less production due to non-availability of Market.			

Solid Waste Management-Dumping

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Yes	yes	No topsoil generation
4b	Location of topsoil, OB & mineral reject dumps	Southern Part of the lease area	Southern Part of the lease area	
4c	Number of Dumps within lease area and outside lease area	Within lease-01 outside lease area- Nil	Within lease-01 outside lease area-Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of Active & Alive dumps	1	1	
4f	Number of deed dumps	None	None	
4g	Number of dumps established	None	None	
4h	Whether Retaining wall or garland drain all along dumps are there	None	NA	
4i	Length of Retaining wall or garland drain all along dump	None	NA	
4j	Number of settling ponds	None	NA	
4k	Specific comments of inspecting officer on waste dump management	There is no sperate dumping of top soil because working in developed area very less production so almost negligible top soil and mineral rejects generated. No need of settling pond also not given in the proposal.		

Solid Waste Management-Backfilling

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not in proposal,	NA	as the area is not matured for reclaimed & rehabilitated
5b	Area under backfilling of mined out area	Not in proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not in proposal, as the area is not matured for reclaimed & rehabilitated	NA	
5d	Total area fully reclaimed & rehabilitated	Not in proposal	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No Backfilling proposed and reclamation etc., still there is a lot of mineral reserve so no back filling proposed in this plan period.		

Progressive Mine Closer Plan

S.N	Item	Proposals (2020-21)	Actual Work (2020-21)	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	Yes	Yes	
6b	Management of worked/mined out benches	None	NA	
	Area available for rehabilitation (Ha)			
	Afforestation done (ha)			
	No. of saplings planted during the year			
	Cumulative no. of plants			
	Any other specific method of rehabilitation			
	Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	Proposal not given as the area is not matured for reclaimed & rehabilitated.	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	None	NA	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposal not given	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report submitted, no proposal given for Backfilling and reclamation etc		

Mineral Conservation

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Yes Manual	Manual	

7c	Different grade of mineral sort out at mine	None	NA	
7d	Any beneficiation process at mines	Not given in plan	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Very less production, so the mineral is conserving no beneficiation carried out.		

Environment

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	None	NA	Top Soil is negligible
8b	Concurrent use or storage of topsoil	None	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	None	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	None	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	plantation of 500 no of plants	VL Pointed out	
8g	Survival rate	None		
8h	Water sprinkling on roads to control airborne dust	None	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Concurrent use of Top soil for plantation. VL Pointed out for afforestation.		

Compliance of Rule 45

S. N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	M.R. Submitted upto-May-2021 A.R. submitted up to- 2019-20 A.R. not submitted- 2020-21 upto 01/07/2021.	VL Pointed out
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	A.R. not submitted- 2020-21	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	A.R. not submitted- 2020-21	VL Pointed out
9d	Scrutiny of Annual return on afforestation	A.R. not submitted- 2020-21	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	A.R. not submitted- 2020-21	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	A.R. not submitted- 2020-21	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	A.R. not submitted- 2020-21	
9i	Scrutiny of Annual return on Fixed assets	A.R. not submitted- 2020-21	
9k	Scrutiny of Annual return on mining Machineries	A.R. not submitted- 2020-21	

Details of Violations observed during current inspection: -

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
Rule 11(1)	The following deviations have been found in the mine from approved Scheme of Mining Plan vide letter no- BST/LST/MPLN-941 Dated 17/08/2016 for the period of 2016-17 to 2020-21. (A) Boundary Pillars: It has been found that all the pillars don't have their serial/identification numbers. All boundary pillars are not been constructed and maintained as per specification mentioned in MCR 1960. (B) Bore- hole: Incomplete form J submitted only one soil sample analyzed. No information about Collar RL and Bottom RL. (C) Afforestation: There was a proposal given for plantation of 500 no of plants whereas none of the plantation have been planted.
Rule 33	Updated print copy of the surface geological plan and sections has not been submitted before 30 th day of June for the year 2020-2021.
35(4)	Online self-assessment report of sustainable mining-(star rating) of your mine have been found below three-star rating till the year 2019-20. It should have been at least three star and above within period of three years from date of notification of MCDR 2017.
Rule 45(5) (c)	Annual return 2020-21, which shall be submitted before the 1 ST day of July each year for the preceding year in electronic form along with a signed print copy of the same has not been submitted.

Violations pointed out during last inspections have been complied.

Date: 09/07/2021

Name: Shri Rudra N. Mishra
Designation: Senior Mining Geologist