

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	S. Kartikeya, Jr. Mining Geologist, IBM Raipur
2	Date of inspection	29/06/2017
3	Name of the Mine	Mongrapal Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	15.94 ha (Non-Forest)
5	Mine Code	38 CHG 01016
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10025/2012
7	Name of the lessee, Address, phone, email and fax number	M/S Vimal Stone Associates Prop. Shri Vimal Lunia Semi Urban Industrial Area, Frezerpur P.O. Jagdalpur, Dist. Bastar Chhattisgarh, Pin Code- 494001 Phone: 07782-228555 Fax: 07782-227247 Mobile: 09425258461 Email: vimalstoneassociates@gmail.com
8	Village	Mongrapal
8	Taluka / Mandal / District	Tehsil Jagdalpur, District Bastar
10	State	Chhattisgarh
11	Post office & PIN	Mongrapal, Pin Code: 494223
12	Nearest police station	Bastar
13	Nearest Railway station	Jagdalpur
14	Date of Grant of Mining Lease	08/05/2006 (20 Years)
15	Date of Execution	01/06/2006
16	Date of opening of Mine	11/06/2009
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable as per MMDR, 2015
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable as per MMDR, 2015
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable as per MMDR, 2015

20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Vimal Lunia Semi Urban Industrial Area, Frezerpur P.O. Jagdalpur, Dist. Bastar Chhattisgarh, Pin Code- 494001 Phone: 07782-228555 Fax: 07782-227247 Mobile: 09425258461 Email: vimalstoneassociates@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not Applicable
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57 of MCDR, 2017.	Not appointed
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. BST/LST/MPLN-941/NGP Dated 07/09/2006 Validity Period: 2006-07 to 2010-11
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1 Scheme of Mining: worked without valid approved document Lapse Period: 2011-12 to 2015-16 Modified Mining Plan approved vide letter no. BST/LST/MPLN-941/2-Raipur Dated 19/03/2016 Validity Period: 2016-17 to 2020-21
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Category A Mechanised
30	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2016-17: 05 boreholes with cumulative depth	None of the boreholes have been	Violation under rule 11(1) pointed

		150 meters	drilled.	out
1b	Exploration over lease area for Geological axis 1 or 2.	G2 Level of exploration	G2 Level of Exploration	Lessee has drilled one borehole in the centre of the lease area prior to grant mining lease.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not applicable as no exploration has been carried out.	Not applicable as no exploration has been carried out.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Could not be ascertained as updated geological plan and sections has not been submitted as per rule 33 of MCDR, 2017	Could not be ascertained as updated geological plan and sections has not been submitted as per rule 33 of MCDR, 2017	For the year 2016-17.
1e	Balance reserves as on 01.04.2017	122: 15,30,242.975 Metric Tonnes 333: 3,31,650 Metric Tonnes	122: 15,30,242.975 Metric Tonnes 333: 3,31,650 Metric Tonnes	Only 201.025 Metric Tonnes of ore has been produced during 2016-17
1f	General remarks of inspecting officer on geology, exploration etc.	Detailed Exploration is required in the lease area for the establishment of reserve and resource. At present based on the quarry exposures certain area may be considered under G2 level of confidence up to present quarry depth.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Central part of the existing quarry up to western side of the quarry along with the construction of 2 nos. of benches	Development has been observed irregularly all over the quarry without construction of any benches	Violation under rule 11(1) pointed out
2b	Separate benches in topsoil, overburden and mineral (Rule 13 of MCDR, 2017)	Proposal given for construction of 02 nos. of benches in the ore.	Development has been observed irregularly all over the quarry without construction of any benches	

2c	Stripping ratio or ore to OB ratio	1:0.18	Could not be ascertained as no records of generation of OB, Top Soil, IB and Mineral reject etc. have been maintained and not reported in the annual returns.	Violation under rule 45 and 54 has been pointed out.
2d	Quantity of topsoil generation in m3	435 m3	Could not be ascertained as no records of generation of OB, Top Soil, IB and Mineral reject etc. have been maintained and not reported in the annual returns.	Violation under rule 45 and 54 has been pointed out.
2e	Quantity of overburden generation in m3	571 m3	Could not be ascertained as no records of generation of OB, Top Soil, IB and Mineral reject etc. have been maintained and not reported in the annual returns.	Violation under rule 45 and 54 has been pointed out.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	2016-17: 6812.00 Metric Tonnes	2016-17: 201.025 Metric Tonnes	Very less production observed
3c	Recovery of salable/usable mineral from ROM production	86.21 %	Could not be ascertained as no records of generation of OB, Top Soil, IB and Mineral reject etc. have been maintained and not reported in the annual returns.	Violation under rule 45 and 54 has been pointed out.
3d	Quantity of mineral reject generation	223 Metric Tonnes	Could not be ascertained as no	Violation under rule

			records of generation of OB, Top Soil, IB and Mineral reject etc. have been maintained and not reported in the annual returns.	45 and 54 has been pointed out.
3e	Grade of mineral reject generation and threshold value declared	Not Mentioned in the approved document.	Not applicable as grade has not been mentioned in the document	
3f	Quantity of sub-grade mineral generation	As per approved document Sub-grade mineral may not be generated during MMP period.	Not applicable as sub-grade mineral has not been generated during MMP period.	
3g	Grade of sub-grade mineral generation	As per approved document Sub-grade mineral may not be generated during MMP period.	Not applicable as sub-grade mineral has not been generated during MMP period.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	No method has been adopted for segregation	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed in the approved document	Not Applicable as no proposal given in the approved document	
3j	Provision of drilling & blasting in mineral benches	Not proposed in the approved document	Not Applicable as no proposal given in the approved document	
3k	Provision of mining machineries in mineral benches	Rock Breaker 01 no. JCB 01 no. Tractor 02 nos.	Could not be ascertained as Log book of mining machineries has not been maintained.	Violation under rule 19 has been pointed out.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	In the approved document, 02 nos. of benches proposed in the mineral/ore	Development has been observed irregularly all over the quarry without construction of any benches	For the year 2016-17.
3m	Total area covered under excavation/pits	0.772 Ha.	Could not be ascertained as updated geological plan and sections has not been submitted as per rule 33 of MCDR,	

			2017	
3n	Ore to OB ratio for the pit/mine during the year	1:0.18	Could not be ascertained as no records of generation of OB, Top Soil, IB and Mineral reject etc. have been maintained and not reported in the annual returns.	Violation under rule 45 and 54 has been pointed out.
3o	Total area put in use under different heads at the end of year	Pit- 0.772 ha Waste/reject Others- 0.589 ha	Could not be ascertained as updated geological plan and sections has not been submitted as per rule 33 of MCDR, 2017	
3p	Production of ROM mineral during last five-year period, as applicable (In Metric Tonnes)	Yr-2012-13: NIL * Yr-2013-14: NIL * Yr-2014-15: NIL * Yr-2015-16: NIL * Yr-2016-17: 6812.00 Metric Tonnes	Yr-2012-13: 1207.625 Metric Tonnes Yr-2013-14: 1309.687 Metric Tonnes Yr-2014-15: 165.125 Mteric Tonnes Yr-2015-16: 39.200 Metric Tonnes Yr-2016-17: 201.025 Metric Tonnes	* Does not have valid approved document during 2011-12 to 2015-16
3q	General remarks of inspecting officer on method of mining etc.	Mining was carried out without approved document during 2011-12 to 2015-16		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37 of MCDR, 2017)	There was a proposal given for waste dumping at south-eastern part of the lease area	Dumping has been observed in the north-western side of the lease area	Violation under rule 11(1) has pointed out
4b	Location of topsoil, OB & mineral reject dumps	South-eastern part of the lease area	North-western side of the lease area	
4c	Number of dumps within lease area and outside lease area	01	02	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14 of MCDR, 2017)	South-eastern part of the lease area	North-western side of the lease area	

4e	Number of active & alive dumps	01	02	
4f	Number of dead dumps	Not applicable as there was no dead dump within lease area.	Not applicable as there was no dead dump within lease area.	
4g	Number of dumps stabilised	Not applicable as there was a active dump.	Not applicable as there was a active dump.	
4h	Whether Retaining wall or garland drain all along dumps are there	Constriction of garland drain all along dumps has been proposed.	Not constructed.	Violation under rule 11(1) has pointed out
4i	Length of Retaining wall or garland drain all along dump	Not proposed in the approved document.	Not applicable as proposal not given approved document.	
4j	Number of settling ponds	Not proposed in the approved document.	Not applicable as proposal not given approved document.	
4k	Specific comments of inspecting officer	NIL		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposal not given as the area is not matured for backfilling.	Not applicable as the area is not matured for backfilling.	
5b	Area under backfilling of mined out area	Proposal not given as the area is not matured for backfilling.	Not applicable as the area is not matured for backfilling.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36 of MCDR, 2017)	Proposal not given in the approved document.	Not applicable as the proposal was not given	
5d	Total area fully reclaimed & rehabilitated	Proposal not given as the area is not matured for reclaimed & rehabilitated	Not applicable as the area is not matured for reclaimed & rehabilitated	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	Could not be ascertained as the annual report on	Annual report on PMCP not submitted to the	Violation under rule

	of MCDR, 2017. Details should be given in the format as given in Annexure-20.	PMCP has not been submitted to the IBM.	IBM.	26(2) has been pointed out.
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	0.114 ha. 500 nos. 500 nos.	NIL Not achieved NIL Not Achieved NIL	Violation under rule 11(1) has been pointed out.
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	Proposal not given as the area is not matured for reclaimed & rehabilitated	Not applicable as the area is not matured for reclaimed & rehabilitated	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	500 nos. 0.114 ha.	Not achieved Not achieved	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal not given	Not done.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation under rule 11(1) has been pointed out.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal not given	2016-17: 355.992 Metric Tonnes	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Not adopted any method as the big cubicle size blocks were been cut by the wise line cutter.	
7c	Different grade of mineral sorted out at mines	Reduction of large boulders in to 100 to 150 mm size	Not done as the big cubicle size blocks were been cut by the wise line cutter.	
7d	Any beneficiation process at mines	Not proposed	Not applicable as no proposal has given	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The big cubicle size limestone blocks were cut by the wise line cutter.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal not given in the approved document.	Not applicable as no proposal has given	
8b	Concurrent use or storage of topsoil	Proposal not given in the approved document.	Not applicable as no proposal has given	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	01 no. of dump in South-eastern part of the lease area proposed for waste rock	01 no of additional dump in North-western side of the lease area has been found.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal not given in the approved document.	Not applicable as no proposal has given	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal not given in the approved document.	Not applicable as no proposal has given	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44 of MCDR, 2017)	500 nos. of plants	NIL achievement	
8g	Survival rate	Proposal not given in the approved document	NIL, no plantation has been found in the area.	
8h	Water sprinkling on roads to control airborne dust	Proposal not given in the approved document	Not applicable as no proposal has given	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	NIL
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9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – up to May 2017 A.R. submitted upto- up to 2016-17	

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	Proposal given	Not appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Proposal given	Not appointed	
9d	Scrutiny of Annual return on afforestation	Not mentioned in the annual return	Could not be ascertained as the information has not been incorporated in the annual return	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Scrutiny of Annual return on afforestation	Could not be ascertained as the information has not been incorporated in the annual return	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock as on 31/03/2017: 310.928 Metric Tonnes	Closing stock as on 31/03/2017: 310.928 Metric Tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Not given in the annual return	Could not be ascertained as prices are not been mentioned in the Annual Returns.	
9i	Scrutiny of Annual return on fixed assets	Not given in the annual return	Could not be ascertained as prices are not been mentioned in the Annual Returns.	
9k	Scrutiny of Annual return on mining machineries	Air Compressor 01 01 no. Pumps 02 nos.	Excavator, Wire line Block cutter, Rock breaker,	

			Pumps and Air Compressor.	
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10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

No outstanding violation

Violation pointed out during inspection: Rule 11(1), 19 (1),(2) & (3), 26(2), 27(2), 33, 35, 45, 54 and 55 of MCDR, 2017