MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Mongrapal Limestone Mine
2	Name of Inspecting Officer	J.S. Hada Assistant Mining Geologist
3	Date of Inspection	14.12.2018
4	Accompanying Mine official	Shri Vimal Lunia, Prop.
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	15.94 ha Non forest
6	Mine code	38CHG01016
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10025/2012
8	Name of the lessee, Address, phone, email and fax number	M/s Vimal Stone Associates, Prop. Vimal Lunia, Semi Urban Industrial Area, Frezerpur, Post Jagdalpur, Distt. Bastar, Chhattisgarh Phone. No-07782-228555, Fax: 07782-227247 Email-**vimalstoneassociates@gmail.com**
9	Village	Mongrapal
10	Taluka	Jagdalpur
11	District	Bastar
12	Pin code	494 223
13	State	Chhattisgarh
14	Post office	Mongrapal
15	Nearest police station	Bastar
16	Nearest Railway station	Jagdalpur
17	Date of Grant of Mining Lease	8.5.2006 for 20 years
18	Date of Execution	1.6.2006
19	Date of opening of Mine	11.6.2009
20	Date of first Renewal, if applicable and its period & expiry	Not applicable as per MMDR 2015
21	Date of second Renewal, if applicable and its period & expiry	Not applicable as per MMDR 2015
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable as per MMDR 2015
23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Vimal Lunia Semi Urban Industrial Area, Frezerpur, Post Jagdalpur, Distt. Bastar, Chhattisgarh Phone. No-07782-228555, Fax: 07782-227247 Mob: 9425258461 Email-vimalstoneassociates@gmail.com
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA
26	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri S. Ganeshwara Rao, B.Tech. (Mining Engineering),
27	Whether Geologist and Mining Engineer appointed in mines satisfy rule 55 and carrying out their duties as per rule 56 & 57.	Yes
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified MP: 17.8.2016 PERIOD: 2016-17 TO 2020-21
29	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	DRG/LST/MPLN-751/NGP DATED-31/03/2011 From 2006-07 to 2010 to 11 -

30	Mineral(s) granted in lease and proved for mining	LIMESTONE
31	Method of Mining(Opencast, Underground)	Opencast Mining
32	Category (Fully Mechanised, Others or Manual)	Category – A (Mechanised)
33	Captive/Non Captive	Non- captive
34	EC for ROM Prod: Date of Issue:	0.05 MTPA 2.2.2009
35	FA amount Rs Valid up to:	Rs. 2,00,000/- Valid up to: 26.12.2021 Rs. 8,00,000/- Valid up to : 24.8.2022

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

Exploration:

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 Boreholes	completed	
1b	Exploration over lease area for Geological axis 1 or 2.	G1level of exploration	G1level of exploration	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee		
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	NA	
1e	Balance reserves as on 01.04.2018	-	**122:** 15,29,916.616 t **333:** 3,31,650 t	
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

2.0 Development:

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Existing pit in southern part of the lease	Existing pit in southern part of the lease	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.18	None, as waste/OB generation is negligible.	2017-18
2d	Quantity of topsoil generation in m3	435 m^3	Negligible	2017-18
2e	Quantity of overburden generation in m3	571 m^3	None	2017-18
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil		

3.0 Exploitation:

	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	7902.5 t	326.359 t	
3c	Recovery of salable/usable mineral from ROM production	95%	100 %	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	None	NA	
3j	Provision of drilling & blasting in mineral benches	None	NA	
3k	Provision of mining machineries in mineral benches	Rock Breaker, and JCB, Trucks	Rock Breaker, and JCB, Trucks	
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	0.772 ha	About 0.5 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.18	None	
3o	Total area put in use under different heads at the end of year	Workings : 0.772 ha Dump: 0.589 ha	Workings: 0.5 ha Dump: 0.3 ha	
3p	Production of ROM mineral in tonnes during last five-year period, as applicable	2013-14:Not proposed 2014-15: Not proposed 2015-16: Not proposed 2016-17: 6812 2017-18: 6812	2013-14:1309.687 2014-15: 165.125 2015-16: 39.2 2016-17: 201.025 2017-18: 326.359 2018-19 (up to Nov.2018):58.1	
3q	General remarks of inspecting officer on method of mining etc.	The method of Mining is by Mechanised method using Rock Breaker, JCB etc. no drilling blasting as proposed.		

4.0 <u>Solid Waste Management-Dumping</u>:

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Yes	
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 - 01	Within - 01	
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 dead dumps	None	NA	
4g	Number of dumps stabilised	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain proposed	None	Active dump
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	
4j	Number of settling ponds	Not proposed	NA	
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	None	NA	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
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 23E (2). Details should be given in the format as given in Annexure-20.	-	Not submitted	About 100 no. of plantations done during 2017-18
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 (2017-18) iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	None	NA	
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	None	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	None	NA	

6e	Compliance of Environmental monitoring (core zone & buffer zone)	None	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Broadly as per proposals.		

7.0 Mineral Conservation:

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch	ROM dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	N.A	N.A	
7c	Different grade of mineral sorted out at mines	N.A	N.A	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil		

8.0 Environment:

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 per year	100	2017-18
8g	Survival rate	None	About 70%	
8h	Water sprinkling on roads to control airborne dust	None	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The Production is very low from this mine which is 326.3 t last year. No adverse impact observed on aesthetic beauty in and around mine area.		

9.0 Compliance of Rule 45:

S.N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	MR and AR is submitted online regularly.	

S.N.	Item	Details GIVEN in A.R. (2017-18)	Observation of I/Officer	Remarks

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri Rajiv Jaiswal ME: Shri S. Ganeshwara Rao Geologist: Shri Subhash Kumar	ME: Shri S. Ganeshwara Rao Geologist: Shri Subhash Kumar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Current Workings: 2.5 ha	Current Workings: 2.5 ha	
9d	Scrutiny of Annual return on afforestation	Within lease: 120 nos.	-	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	-	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM CS: 145.654	-	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price- Rs. 1006 Cost of production-Rs. 2056	-	Mistake already pointed out by ME Div. for rectification
9i	Scrutiny of Annual return on fixed assets	Information furnished	Fixed Assets- Rs 811771/-	
9k	Scrutiny of Annual return on mining machineries	Air Compressor – 1, Pumps (non-electric) – 2 and 1 (others)		

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

During the last inspection dated 29.6.2017, violation of Rule 11(1), 19 (1) (2)(3), 26(2), 27(2),33, 35, 45, 54,and 55 were pointed out which have since been rectified/complied with. No serious/major violation found during the current inspection.

(जे एस हाड़ा)
सहायक खनन भूविज्ञानी