

## MCDR INSPECTION REPORT

### General

S. N.	Particulars	Details
1	Name of the Mine, Name of Inspecting officer with Designation & accompanying person, Date of Inspection	Bitkuli Limestone Mine, Rajesh Kumar Das, Senior Assistant Controller of Mines, Shri Khemlal Verma, Representative of Mines Owner,04.03.2020
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.60 ha(Non-forest)
3	Mine code	38MPR13024
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5674/2011
5	Name of the lessee, Address, phone, email and fax number	Shri G P Madharia, Madharia Complex, Near Maharaja Chowk, Mukti Nagar, P.O. & District-Durg(C.G.),
6	Village	Bitkuli
7	Taluka/Mandal	Simga
8	District	Baloda Bazar
9	Pincode	493195
10	State	Chhattisgarh
11	Post office	Suhela
12	Nearest police station	Suhela
13	Nearest Railway station	Baloda Bazar
14	Date of Grant of Mining Lease	26.09.1986 for 10 years and renewed for 20 years in 26.09.1996
15	Date of Execution	26.09.1986
16	Date of opening of Mine	30.09.1986
17	Date of first Renewal, if applicable and its period & expiry	26.09.1996 for 20 years upto 25.09.2016
18	Date of second Renewal, if applicable and its period & expiry	As per MMDR(Amendment) Act,2015 Extended lease period upto 50 years but supplementary lease deed not signed.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	No Manager
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	No mining Engineer and geologist as the mine is non-working in 2018-19 and no production reported.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	No
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan Approved on 23.05.2018 for period 2016-17 to 2020-21 with proposal for 2017-18 to 2020-21.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
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
30	Captive/Non Captive	Non Captive

31	BG Validity	Rs 2 lakh validity upto 31.03.2022 & Rs 10 lakh validity upto 05.05.2022
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Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

#### **Exploration**

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2 bore holes of grid interval of 100mX100m proposed in 2020-21	2 bore holes of 30 m depth already drilled in 100X100m grid and broadly the total lease area exposed with working pits	
1e	Balance reserves as on 01.04.2019 (Tons)	873562	944512	
1f	General remarks of inspecting officer on geology, exploration etc.	The deposit is flat deposit. 2 bore holes of 30 m depth already drilled in 100X100m grid and broadly the total lease area exposed with working pits.		

#### **Development**

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Between N100 to N200 & E00 to E100	The mine is non-working in 2018-19	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	NA	
2c	Stripping ratio or ore to OB ratio	1:0.05	NA	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	100	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine was under suspension from 18.08.2015 to 10.10.2017 and thereafter mine is non-working in 2018-19.		

#### **Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	one	Mine is non-working in 2018-19	
3b	Quantity of ROM mineral production proposed	35625	Nil	
3c	Recovery of salable/usable mineral from ROM production	95%	NA	
3d	Quantity of mineral reject generation	1875	Nil	
3e	Grade of mineral reject generation and threshold value declared	>35% CaO	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	NA	

3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	NA	
3k	Provision of mining machineries in mineral benches	Yes	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	NA	
3m	Total area covered under excavation/pits	Not mentioned specifically yearwise	NA	
3n	Ore to OB ratio for the pit/mine during the year	1:0.05	NA	
3o	Total area put in use under different heads at the end of year	Not mentioned specifically yearwise	NA	
3p	Production of ROM mineral during last five-year period, as applicable	2014-15: No proposal 2015-16: No proposal 2016-17: No proposal 2017-18: 37500 tons 2018-19: 37500 tons	2014-15: 800 tons 2015-16: 500 tons 2016-17: Nil 2017-18: 300 tons 2018-19: Nil	
3q	General remarks of inspecting officer on method of mining etc.	The mine was under suspension from 18.08.2015 to 10.10.2017 and thereafter mine is non-working in 2018-19.		

#### **Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	NA	
4b	Location of topsoil, OB & mineral reject dumps	In 7.5 m safety barrier	NA	
4c	Number of dumps within lease area and outside lease area	No major dump	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No major dump	NA	
4e	Number of active & alive dumps	Nil	NA	
4f	Number of dead dumps	Nil	NA	
4g	Number of dumps stabilised	Nil	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	Nil	NA	
4k	Specific comments of inspecting officer on waste dump management	Nil		

#### **Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not matured for backfilling	NA	
5b	Area under backfilling of mined out area	Nil	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of	NA as topsoil generation Nil	NA	

	mined out area (Rule 32)			
5d	Total area fully reclaimed & rehabilitated	Nil	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil		

### **Progressive Mine Closure Plan**

S.N.	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.	No	The mine reported non-working in 2018-19	
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	Nil	
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 backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i) Nil	i) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Nil	i) Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	The mine reported non-working in 2018-19	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil		

### **Mineral Conservation**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM feed to crusher	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	

7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil		

### **Environment**

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil generation proposed Nil	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Waste is proposed to dump in 7.5 meter safety barrier Zone	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	As the lease area is very small few afforestation done in 7.5 meter safety barrier Zone	NA	
8g	Survival rate	Not mentioned	NA	
8h	Water sprinkling on roads to control airborne dust	yes	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The scale of mining operation is very small and mine in most non-working in last two years therefore no such adverse impact observed on aesthetic beauty in mine.		

### **Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	AR submitted upto 2018-19 and MR upto Feb'2020		
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	Shri K.L.Sharma Reported as Mine Manager and no mining Engineer and & geologist reported.	Shri K.L.Sharma is mine manager of other mine	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern Reported	But the land use is cumulative till date	
9d	Scrutiny of Annual return on afforestation	Nil		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	3500 tons of Cement Grade		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		
9i	Scrutiny of Annual return on fixed	Nil		

	assets			
9k	Scrutiny of Annual return on mining machineries	Nil		

**Details of violations observed during current inspection and compliance position of earlier violation pointed out:-** The mine was under suspension from 18.08.2015 to 10.10.2017 and thereafter mine is non-working in 2018-19 therefore no serious violation found.

**(Rajesh Kumar Das, Senior Assistant Controller of Mines)**