

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Pathariya Limestone mine
2	Name of Inspecting Officer	J.S. Hada, AMG
3	Date of Inspection	14/02/2019
3	Date of previous two inspections	1. Shri R.K. Das, Sr. ACOM: 28.2.2018 2. Shri Suresh Prasad, DCOM: 15.12.2016
4	Accompanying Mine official	1.Shri Kishor Rajput, Representative of the lessee 2.Shri Vikeshwar Thakur, Mining Engineer
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.47 ha Non-forest
6	Mine code	38CHG05019
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10030/2012
8	Name of the lessee, Address, phone, email and fax number	A.K. VERMA , MIG-11,Padmanabhpur, DURG,Chhattisgarh 490 004
9	Village	PATHARIYA
10	Taluka	AHIWARA
11	District	DURG
12	Pin code	490006
13	State	CHHATTISGARH
14	Post office	NANDINI – KHUNDANI
15	Nearest police station	NANDINI NAGAR
16	Nearest Railway station	DURG
17	Date of Grant of Mining Lease	02/10/2003 for 20 years, Deemed to be extended up to 50 years. Supplementary Agreement still pending
18	Date of Execution	02/10/2003
19	Date of opening of Mine	2.10.2003
20	Date of first Renewal, if applicable and its period & expiry	NA
21	Date of second Renewal, if applicable and its period & expiry	NA
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	None
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	None (Mine temporarily discontinued w.e.f. 1.5.2017)
26	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	None (Mine temporarily discontinued w.e.f. 1.5.2017)
27	Whether Geologist and Mining Engineer appointed in mines satisfy rule 55 and carrying out their duties as per rule 56 & 57.	NA
28	Date of Approval of Mining Plan/Modified	Modified MP: Approved on 10/08/2016 for proposals for the years:

	Mining Plan with five-year period and specific condition in approval letter, if any.	2016-17 to 2018-19
29	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
30	Mineral(s) granted in lease and proved for mining	LIMESTONE
31	Method of Mining(Opencast, Underground)	OPENCAST
32	Category (Fully Mechanised, Others or Manual)	MANUAL
33	Captive/Non Captive	NON CAPTIVE
34	EC for ROM Prod: Date of Issue:	Not obtained yet
35	FA amount Rs Valid up to:	Rs 1,00,000/- 31.3.2019

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

**Exploration:**

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 Borehole (2016-17)	Not done	Two boreholes in pit bottom for each 20m depth
1b	Exploration over lease area for Geological axis 1 or 2.	None	NA	G2 : 2.16 hectares
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA		
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	NA	
1e	Balance reserves as on 01.04.2019	-	3,97,350 t	
1f	General remarks of inspecting officer on geology, exploration etc.	Stratified flat limestone deposit. Almost whole lease area is exposed due to mining pit.		

**2.0 Development:**

SN	Item	Proposals (2017-18)	Actual work	Remarks
2a	Location of development w.r.t. lease area	North	North	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Soil – 1 bench LST – 2 benches	Soil – 1to2 m Lst- 2m to 6m	
2c	Stripping ratio or ore to OB ratio	1: 0.05	Nil	Mine lying closed since long
2d	Quantity of topsoil generation in m3	Nil	NA	Mine lying closed since long
2e	Quantity of overburden generation in m3	Nil	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development is broadly as per the proposals confined to one pit.		

**3.0 Exploitation:**

	Item	Proposals(2017-18)	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	9000 t	NIL	Mine lying closed since long
3c	Recovery of salable/usable mineral from ROM production	95%	Nil	Mine lying closed since long
3d	Quantity of mineral reject generation	450 cum	Nil	
3e	Grade of mineral reject generation and threshold value declared	Cement	Cement	
3f	Quantity of sub-grade mineral generation	Nil	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL	MANUAL	
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	Jack Hammer drill machine	Jack Hammer drill machine	
3k	Provision of mining machineries in mineral benches	Manual Mining	Manual Mining	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Soil – 1 bench LST – 2 benches	Soil – 2 to 3m Lst- 2m to 3m	
3m	Total area covered under excavation/pits	2.20 ha	2.20 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.05	OB generation is nil	
3o	Total area put in use under different heads at the end of year	Pit -2.2 ha Dumps – 0.20 ha Infra – 0.10 ha	Broadly within proposed area	
3p	Production of ROM mineral in tonnes during last five-year period, as applicable	2016-17 : 9000 2017-18 : 9000 2018-19 : 9000	2016-17: 6500 2017-18: 3200 2018-19 (up to Jan 19): NIL	
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is opencast manual. The mine is not working since long and production is stopped for want of Environment Clearance.		

#### **4.0 Solid Waste Management-Dumping:**

SN	Item	Proposals(2017-18)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No major waste generation. Therefore, waste is proposed to be dumped in 7.5 m boundary barrier in western, southern, and eastern side of the ML	Broadly as per the proposals	
4b	Location of topsoil, OB & mineral reject dumps	No major dump proposed	NA	
4c	Number of dumps within lease area and outside lease area	Nil	NA	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	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	No such proposal	NA	
4i	Length of Retaining wall or garland drain all along dump	Nil	NA	
4j	Number of settling ponds	No proposals	NA	
4k	Specific comments of inspecting officer	No major dump seen in the lease area, therefore, no question of waste dump management.		

### **5.0 Solid Waste Management-Backfilling:**

SN	Item	Proposals (2017-18)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	NA	
5b	Area under backfilling of mined out area	Nil	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	NA	
5d	Total area fully reclaimed & rehabilitated	Nil	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine working is up to a depth of 10-15 m and the mineral is still not exhausted, therefore, no backfilling is done.		

### **6.0 Progressive Mine Closure Plan:**

SN	Item	Proposals(2017-18)	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.	NA	NA	
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	Nil	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	Nil	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	120 nos.	Approx. 120 nos.	

6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP broadly as per proposals.		

### **7.0 Mineral Conservation:**

SN	Item	Proposals(2017-18)	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	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	The ROM production is dispatched and waste generation is negligible.		

### **8.0 Environment:**

SN	Item	Proposals(2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil generation	Negligible	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	No major dump observed in the area.	
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)	NA	NA	
8g	Survival rate	Not mentioned specifically	Reported to be 70%	
8h	Water sprinkling on roads to control airborne dust	No proposals	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The scale of production is very less and no mining machineries are used, therefore, no adverse impact observed.		

### **9.0 Compliance of Rule 45:**

S.N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	MR submitted upto December 2018 AR submitted up to 2017-18	

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 information	No Mining Engineer, Geologist observed.	Mine not working due to not having Environment Clearance.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Workings- 2.0 ha Waste disposal- 0.10ha Infra – 0.20 ha	
9d	Scrutiny of Annual return on	Nil	-	

	afforestation			
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 closing stock-2274 t	ROM closing stock-2274 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value- Rs 4,59,000/- Ex-mine price- Rs. 270/t Cost of production- Rs 262.06	Sale value- Rs 4,59,000/- Ex-mine price- Rs. 270/t Cost of production- Rs 262.06	
9i	Scrutiny of Annual return on fixed assets	Nil	-	
9k	Scrutiny of Annual return on mining machineries	No major mining machineries used.		

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

No outstanding violation. During the current inspection, violation of following Rules were observed and issued to the lessee:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
11(4) read with 11(1)	The period of mining plan proposals for the lease last approved on 10.8.2016 expired on 31/3/2019 and review of mining plan has not been submitted to the competent authority at least one hundred and eighty days before the expiry of five years period for which it was approved on the last occasion for mining operations for a period of five subsequent years, thus attracting the violation of Rule 11(4). Now the mine is being worked without having a valid approved mining plan attracting the violation of Rule 11(1) MCDR 2017.
27(1)	It is observed that the financial assurance submitted by you earlier expired on 31.3.2019 but you have not submitted fresh financial assurance for subsequent period of five years. Therefore, as on date there is no valid financial assurance in respect of the above mentioned mine. Thus attracting the violation of provision of Rule 27 of MCDR 2017.
45(5)(b)	Monthly Returns as required under the rule have not been submitted manually and online for the months of January & February 2019.

Date: 28.3.2019

(जे. एस. हाड़ा)  
सहायक खनन भूविज्ञानी