

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1	Name & Designation of the inspecting officer	J.S. Hada, AMG
2	Date of Inspection	11.9.2017
3	Accompanying mine personnel	Shri Rohit Patel, Chowkidar
4	Name of the Mine	Nandini Khundini Limestone mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.8 ha
6	Minecode	38CHG05023
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/19580/2015
8	Name of the lessee, Address, phone, email and fax number	Shri Virender Kumar Chopra 100, New Khursipar, Bhilai, Distt. Durg Chhattisgarh 490 001
9	Village	Nandini Khundini
10	Taluka/Mandal	Dhamdha
11	District	Durg
12	Pincode	490 001
13	State	Chhattisgarh
14	Post office	Nandini Khundini 490 036
15	Nearest police station	Nandini Nagar
16	Nearest Railway station	Bhilai Power House
17	Date of Grant of Mining Lease	18-7-2014
18	Date of Execution	16-1-2015
19	Date of opening of Mine	
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	NA
25	Name of the Mines Manager	NA

	with Address, phone, email, fax number and date of appointment in mines	
26	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	None
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	None
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	07-02-2013 2014-15 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(Open cast, Underground)	open cast
32	Category (Fully Mechanised, Others or Manual)	Category A (OTFM)
33	Captive/Non Captive	Non captive
34	EC for ROM Prod: Valid up to:	-
35	FA amount Rs Valid up to:	Rs. 200000/-

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

### Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 BH	None	Mine not working
1b	Exploration over lease area for Geological axis 1 or 2.	G1- 4.8 ha	Nil	Mine not working
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	NA	
1e	Balance reserves as on 01.04.2016	-	NA	
1f	General remarks of Inspecting officer on Geology, exploration,	Nil		

etc.	
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## 2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Eastern and central parts of the lease area	Eastern and central parts of the lease area	Mine not working
2b	Separate benches in topsoil, overburden and mineral (Rule 15)		Separate benches in Top soil, OB, and mineral	Mine not working
2c	Stripping ratio or ore to OB ratio	Nil	NA	Mine not working
2d	Quantity of topsoil generation in m3	13969.2	Nil	Mine not working
2e	Quantity of overburden generation in m3	Nil	NA	Mine not working
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine not working.		

## 3.0 Exploitation

	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	12854.4 t	Mine not working	
3c	Recovery of salable/usable mineral from ROM production	95%	Mine not working	
3d	Quantity of mineral reject generation	5%	Mine not working	
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	Nil	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mech	Mech	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	NA	

3j	Provision of drilling & blasting in mineral benches	Rafter drill 65mm dia hole, spacing 1.65m, depth 3.3m, burden 1.32m	Mine not working	
3k	Provision of mining machineries in mineral benches	Excavator, Tippers, JCB,	Mine not working	
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	Approx 2.2 ha	Approx 1.75 ha	
3n	Ore to OB ratio for the pit/mine during the year	Nil	NA	
3o	Total area put in use under different heads at the end of year	2.57 ha	Approx 1.75 ha	
3p	Production of ROM mineral during last five-year period, as applicable	54994.89 t	Mine not working	
3q	General remarks of inspecting officer on method of mining etc.	Nil		

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

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Yes	
b	Location of topsoil, OB & mineral reject dumps	OB-In south west, Top soil – along boundary barrier in the east	OB-In south west, Top soil – along boundary barrier in the east	
4c	Number of dumps within lease area and outside lease area	One, partially extending to outside the lease area.	One, partially extending to outside the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dump	Temporary dump	
4e	Number of active & alive dumps	Active	Mine not working	
4f	Number of dead dumps	Nil	NA	
4g	Number of dumps stabilized	Nil	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	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	Mine not working		

## **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	No proposals	NA	
5b	Area under backfilling of mined out area	No proposals	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposals	NA	
5d	Total area fully reclaimed & rehabilitated	No proposals	NA	
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.	-	Mine not working	.
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	No proposals	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	No proposals	NA	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	50 nos.	Mine not working	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	4 samples each for Ambient Air and Water Quality	Mine not working	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Nil		

### **7.0 Mineral Conservation**

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch	ROM Mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	None	NA	
7c	Different grade of mineral sorted out at mines	None	NA	
7d	Any beneficiation process at mines	None	NA	
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)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Nil	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its	Yes	Soil is stacked on the boundary barrier	

	original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Land not yet matured for reclamation	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Devoid of vegetation	Mine not working	
8g	Survival rate	-	Mine not working	
8h	Water sprinkling on roads to control airborne dust	-	Mine not working	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Nil		

## 9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	MR – online submission from April 2017 to July 2017. AR- None submitted online	Violation issued

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	Not submitted	Nil	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted	Nil	
9d	Scrutiny of Annual return on afforestation	Not submitted	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not submitted	Nil	
9f	Scrutiny of Annual return on ROM stock and/or	Not submitted	Nil	

	graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Not submitted	Nil	
9i	Scrutiny of Annual return on fixed assets	Not submitted	Nil	
9k	Scrutiny of Annual return on mining machineries	Not submitted	Nil	

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

Following violations were pointed to the lessee:

नियम	उल्लंघन के प्रकार का विस्तृत ब्योरा
27(2)	The difference of Financial Assurance as required under Rule 27(1) and Financial assurance already submitted by you, has not been submitted to the authorized officer in the form of a bank guarantee within 90 days from 28 February 2017.
35(2)	Online self-assessment report of sustainable mining (star rating template) has not been submitted to the Regional Controller, IBM, Raipur before the 1 <sup>st</sup> day of July 2017 for the previous financial year 2016-17.
45(5)(ख)	खान की मासिक विवरणियाँ अगस्त 2017 से ऑनलाइन प्रस्तुत नहीं की जा रही हैं।
45(5)(ग)	खान की वार्षिक विवरणी वर्ष 2015-16 एवं 2016-17 ऑनलाइन प्रस्तुत नहीं की गई है।
54	खान पर रिटर्न्स, रिपोर्ट एवं नोटिस इत्यादि रिकार्ड की प्रतिलिपियां निरीक्षण हेतु नहीं रखी गई हैं।

(J.S. Hada)  
Assistant Mining Geologist