

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Inspecting officer, Mine, Date of Inspection, Accompanying person & File No.	Shri Rajesh Kumar Das, Nandini-Khundini Limestone Mine, 04.10.2019, Shri T.R. Mishra, husband of lessee & CHG/DRG/LST-27/NGP
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.92 ha. (Non Forest)
3	Mine code	38MPR13025
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5674/2011
5	Name of the lessee, Address, phone, email and fax number	Smt Mohini Devi Mishra, W/O Shri T.R. Mishra 48/5, Nehru Nagar (East), Bhilai-490020, mob: 9425237021
6	Village	Nandini Khundini
7	Taluka/Mandal	Dhamdha
8	District	Durg
9	Pincode	490036
10	State	Chhattisgarh
11	Post office	Nandini Khundini
12	Nearest police station	Nandini Khundini
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	07/07/1998 to 06/07/2018 (20 years)
15	Date of Execution	07/07/1998
16	Date of opening of Mine	04/08/1998
17	Date of first Renewal, if applicable and its period & expiry	As per Rule 8A(6) of MMDR Act 2015 (Amendment), lease period will be extended upto 06/07/2048, Supplementary lease deed not done for extended period. The lease earlier grant for 20 years.
18	Date of second Renewal, if applicable and its period & expiry	NA
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 mines Manager, Mines is non operational due to not having Environment Clearance
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Onkar Prasad Kushwaha, C/O Smt Mohini Devi Mishra, 48/5, Nehru Nagar (East), Bhilai-490020
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Geologist, Shri Santosh Punde
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 dated 25/05/2018 for period 2018-19 to 2022-23
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

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	01	Not done	
1b	Exploration over lease area for Geological axis 1 or 2.	01	Not done	
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	Broadly the lease area is exposed due to working pit	Broadly the lease area is exposed due to working pit	
1e	Balance reserves as on 01.04.2015	2.0174 lakh tons in 121 category	2.0174 lakh tons in 121 category	
1f	General remarks of inspecting officer on geology, exploration etc.	Broadly the lease area is exposed due to working pit and the deposit is flat and dipping 2 degree due north-west.		

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Working proposed in existing pit upto 252 RL	NA	N00 to N28 and W22 to W214
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes		
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is non operation in 2018-19.		

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	one	No mining operation	
3b	Quantity of ROM mineral production proposed(tons)	40201	Nil	
3c	Recovery of salable/usable mineral from ROM production	100%	Nil	
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	Nil	Nil	
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	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 but approx 0.2 ha.	Nil	
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	
3o	Total area put in use under different heads at the end of year	Not mentioned specifically yearwise	Nil	
3p	Production of ROM mineral during last five-year period, as applicable(in Tons)	2014-15:40500 2015-16:40500 2016-17:40500 2017-18:40500 2018-19:40201	2014-15: 32902 2015-16: 28775 2016-17:40500 2017-18:3375 2018-19:nil	
3q	General remarks of inspecting officer on method of mining etc.	The mine is non operation 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	7.5m safety barrier zone	NA	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	No major dump
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Soil bund on eastern and southern direction proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Bund/fencing of 475 m and height and width of 2X2m	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The mining operation is non-working therefore no waste generation.		

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	NA	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 &	Nil	Nil	

	rehabilitated			
5e	General remarks of inspecting officer on backfilling, reclamation etc	Not applicable as the mine is non operational.		

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.	Not submitted	Nil	
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	NA	NA	
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) NA	i) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Afforestation of 200 saplings in 0.3 ha. area in 7.5 m safety barrier & 120 nos in 0.075 ha. on soil bund	i) Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Mine is non-working due to not having Environment Clearance.		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting is proposed within	Nil	

		lease		
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	Mine is non working therefore not applicable.		

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	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)	320 saplings proposed	Nil	
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	As mentioned the mining operation is stopped therefore no such impact observed.		

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns			
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	Yes given	Not present during inspection	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Cumulative land use as on date given	No mining operation reported in 2018-19	
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	28405 tons	Old stock	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil		
9i	Scrutiny of Annual return on fixed assets	Nil		

9k	Scrutiny of Annual return on mining machineries	NA		
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Details of violations observed during current inspection and compliance position of earlier violation pointed out:- The earlier violation was complied and during present inspection following violations pointed out:

Rule	Nature of Violation observed
11(1)	Mining operations should have been undertaken in accordance with the approved Mining Plan. The Modified Mining Plan was approved vide letter no. दुर्ग / चूप / खयो-115/Raipur/2018 dated 25.05.2018 and following deviation was observed during inspection 1. In Para 6.9.9 there was a proposal of drilling one core borehole upto depth 70 meter in 2018-19 is not drilled till date.
35(2)	Every holder of a mining lease shall monitor his mining and allied activities as per the notified template of star rating in the format prescribed in this behalf by the Indian Bureau of Mines from time to time, and shall submit online its self assessment report before the 1st day of July every year for the previous financial year, But till date not submitted.

(Rajesh Kumar Das, Senior Assistant Controller of Mines, IBM, Raipur)