

MCDR INSPECTION REPORT

General

S.	Particulars	Details
N.	Date of inspection	23.11.2016
1	Name of the Mine	Nandini Khundini
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.55 ha., Non forest
3	Minecode	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	Ms. Mohini Devi Mishra, 48/5, Nehru Nagar(East0, Bhilai, Distt.- Durg, CG.-490020, Mob. No. 9425237021, Fax no.-07883299582, E mail- mdmlimestonemines@gmail.com
6	Village	Deorjhal Ahwara
7	Taluka/Mandal	Dhamda
8	District	Durg
9	Pincode	-
10	State	CG
11	Post office	Nandini
12	Nearest police station	-
13	Nearest Railway station	-
14	Date of Grant of Mining Lease	14.6.1993 to 13.6.2013
15	Date of Execution	14.6.1993
16	Date of opening of Mine	14.6.93
17	Date of first Renewal, if applicable and its period & expiry	13.6.2013
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	-
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri VKPrasad Thakur, Nandini Khundini, , Village- Deorjhal Ahwara, Taluka Dhamda, Distt. Durg,,CG, <u>Email-vthkur750mining@gmail.com</u> , Mob.-9981555718, From Nov. 2016
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	B Tech Mining, Shri VKPrasad Thakur, Nandini Khundini, , Village- Deorjhal Ahwara, Taluka Dhamda, Distt. Durg,,CG, <u>Email-vthkur750mining@gmail.com</u> , Mob.-9981555718, From Nov. 2016
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	-
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide no. DRG/LST//MPLN-07/NGP dtd.14.1.1990 Renewal of Mining plan approved on 14.6.13 for 2013-14 to 2017-18

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Scheme of Mining approved vide no. DRG/LST/MPLN-07/NGP dtd-5.5.2009 for 2008-09 to 12-13,
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Manual
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

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 Bore hole	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	2 bore hole	nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Nil	
1e	Balance reserves as on 01.04.2013...	111-755023t 122-254023t 222- 216 000 333- 285 000		As per the approved document
1f	General remarks of inspecting officer on geology, exploration etc.		Exploration for 2 bore hole as proposed not done.	

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	West of lease	West part of lease	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Ob-1	OB-1 Ore-4	
2c	Stripping ratio or ore to OB ratio	nil	-	
2d	Quantity of topsoil generation in m3	nil	Nil	
2e	Quantity of overburden generation in m3	nil	nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.		Mine was closed. Pit was fully water logged.	

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	32250t	15525t	
3c	Recovery of salable/usable mineral from ROM production	32250t	15525t	
3d	Quantity of mineral reject generation	nil	nil	
3e	Grade of mineral reject generation and threshold value declared	nil	nil	
3f	Quantity of sub-grade mineral generation	nil	nil	

SN	Item	Proposals	Actual work	Remarks
3g	Grade of sub-grade mineral generation	nil	nil	
3h	Manual / Mechanised method adopted for segregating from ROM		Crushing, grinding	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	nil	nil	
3j	Provision of drilling & blasting in mineral benches	yes	yes	
3k	Provision of mining machineries in mineral benches	Jack hammer, dumper, jcb	Jack hammer, dumper, jcb	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	nil	
3m	Total area covered under excavation/pits	3.5 ha.	3.5 ha.	
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	Pit-3.65 ha, Plant, building-0.223ha.	Pit-3.65 ha. Plant, building-0.223ha. Other -0.12ha.	
3p	Production of ROM mineral during last five-year period, as applicable	2013-14-40500 t 2014-15-40500 t 2015-16-40500 t 2016-17-40500 t	2011-12- 39200 2012-13 -39040	
3q	General remarks of inspecting officer on method of mining etc.		Mine working was closed and pit was water logged	

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Barrier zone	Barrier zone	
4b	Location of topsoil, OB & mineral reject dumps	-barrier zone	Soil dump in barrier zone	
4c	Number of dumps within lease area and outside lease area	nil	In barrier zone	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	In barrier zone	
4e	Number of active & alive dumps	-	Along the lease boundary	
4f	Number of dead dumps	-	-	
4g	Number of dumps stabilised	-	-	
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	nil	NA	
4j	Number of settling ponds	nil	NA	
4k	Specific comments of inspecting officer on waste dump management		Top soil and waste are separately stacked in barrier zone	

5a	Status on part or full extraction of mineral from mined out area before starting backfilling	nil	NIL	
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)	nil	NIL	
5d	Total area fully reclaimed & rehabilitated	nil	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc		Reclamation and rehabilitation work not started	

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.		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	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	Mineral still exist. Reclamation & rehabilitation work not carried out
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	250 plant	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)		0	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations		Pit was fully water logged.	

Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	nil	NIL	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical	nil	nil	
7c	Different grade of mineral sorted out at mines	nil	nil	
7d	Any beneficiation process at mines	nil	nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues		ROM mineral is process for crushing & grinding	

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	2	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		Nil	
8f	Baseline information on existence of plantation & additional plantation		In barrier zone	
8g	Survival rate		20%	
8h	Water sprinkling on roads to control airborne dust	nil	-	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No top soil, OB removal in this year	

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto -Oct.2016----- ----- A.R. submitted upto 2015-16----- -----	

SN	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME-1 Geologist-1	ME-1 Geologist-1	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-3.65 ha. Plant, building-0.223ha. Other -0.12ha.	Pit-3.65 ha. Plant, building-0.223ha. Other -0.12ha.	
9d	Scrutiny of Annual return on afforestation	300	250	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	nil	nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1047t	1047t	

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs.3381263/ Rs.205/	-
9i	Scrutiny of Annual return on fixed assets	Fixed Assets— 370000/	-
9k	Scrutiny of Annual return on mining machineries	Pumps	-

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

Violation for rule 13(1), and 46 of MCDR 1988 is pointed out for non drilling of proposed BH and intimation on engaging part Mining engineer was issued.



(Anil Dalal)

Assistant Mining Engineer