

MCDR INSPECTION**General**

SN	Particulars	Details
	Date of Inspection	17.06.2015
1	Name of the Mine	Nandini Kundini Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	6.46 Hect (Govt. Revenue Land), Non-forest land
3	Minecode	38MPR13048
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5683/2011
5	Name of the lessee, Address, phone, email and fax number	Mr Hemant Kumar Sahu C/o Shri Jageshwar Sahu Vill Post Chikhali-491001 9424100567 (m) Email hksdurg@gmail.com
6	Village	Nandini Kundini
7	Taluka/Mandal	Berla
8	District	Durg
9	Pincode	490036
10	State	Chhattisgarh
11	Post office	Nandini Nagar
12	Nearest police station	Nandini Nagar
13	Nearest Railway station	Durg (about 30 Km) Bhilai(about 28 Km)
14	Date of Grant of Mining Lease	26.11.1980 to M/s Chopda Constructions
15	Date of Execution	-
16	Date of opening of Mine	N.A.
17	Date of first Renewal, if applicable and its period & expiry	26.11.2010 for 20 years upto 25.11.2020
18	Date of second Renewal, if applicable and its period & expiry	Not applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nil
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Nil
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Gamliel Kachhap
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Gamliel Kachhap, Mining Engineer
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mining Engineer appointed in mines as per rule 42
25	Date of Approval of Mining Plan/Modified	Mining Plan for renewal of mining lease was

SN	Particulars	Details
	Mining Plan with five-year period and specific condition in approval letter, if any.	Approved vide letter no. DRG/LST/MPLN-86/NGP, Dated-06.07.2001
26	Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Ist Scheme of Mining was Approved vide IBM letter no. DRG/LST/MPLN-86/NGP, Dated-17.02.2009 Period- from 2006-07 to 2010-11 IInd Scheme of Mining was Approved vide letter no. DRG/LST/MPLN-889/NGP, Dated-31.10.2012 Period- from 2011-12 to 2015-16
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Open Cast Mine
29	Category (Fully Mechanised, Others or Manual)	Manual
30	Captive/Non Captive	Non Captive

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	-	2 boreholes drilled during Feb.2012	-
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease area covers under G-1 and G-2	As per proposal	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	-	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	-	--
1e	Balance reserves as on 01.04.2015	19,08,889 MT	18,70,250 MT	--
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Near the existing working pit of lease area	As per proposal	--
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed	Not applicable	
2c	Stripping ratio or or e to OB ratio	Not proposed	Not applicable	
2d	Quantity of topsoil generation in m3	Not proposed	Not applicable	
2e	Quantity of overburden generation in m3	Not proposed	Not applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil		

Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Single Pit Proposal	As per proposal	

SN	Item	Proposals	Actual work	Remarks
3b	Quantity of ROM mineral production proposed 2014-15	32500 tonnes per year	15263 tonnes	
3c	Recovery of salable/usable mineral from ROM production 2014-15	100%	100%	
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	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Jack hammer drilling and blasting	As proposed	
3k	Provision of mining machineries in mineral benches	Not Proposed	Nil	
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	5.510 Hect	0.78 Hect appro.	Due to less production
3n	Ore to OB ratio for the pit/mine during the year	NA	NA	
3o	Total area put in use under different heads at the end of year	5.584 ha	0.845 ha	
3p	Production of ROM mineral during last five-year period, as applicable	32500 MT per year	2011-12-5600 MT 2012-13-11073 MT 2013-14-28925 MT 2014-15-15263 MT	
3q	General remarks of inspecting officer on method of mining etc.	Nil		

Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	topsoil dumping separately at 7.5 m lease boundary betn Shri Vikas Agrwal and Shri M.D.Mishra	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	-do-	
4c	Number of dumps within lease area and outside lease area	Not proposed	Nil	
4d	Location of dumps w.r.t. ultimate pit	Not proposed	Lease pit limit	

	limit (Rule 16)			
4e	Number of active & alive dumps	Not proposed	Nil	
4f	Number of dead dumps	Not proposed	Nil	
4g	Number of dumps stabilised	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Nil	
4j	Number of settling ponds	Not proposed	Water pumping from lowest mRL	
4k	Specific comments of inspecting officer on waste dump management	Nil		

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	2012-13-Northeastern side 2013-14- Southern side 2014-15-western Side	Nil	
5b	Area under backfilling of mined out area	2012-13-700 sqm Avg Height 15m 2013-14- 1960 sqm Avg Height 6m 2014-15-1870 sqm Avg Height 3m	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not applicable	
5d	Total area fully reclaimed & rehabilitated	2660 sqm	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil		

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	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	Nil	

SN	Item	Proposals	Actual work	Remarks
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (Lx Bx 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	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Nil	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil	Nil	

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	Manual	Manual	
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	Nil		

Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil stacked separately for future use	As proposed	
8b	Concurrent use or storage of topsoil	afforestation	As proposed	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	As proposed	
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	Nil	
8f	Baseline information on existence of plantation & additional plantation	No plants at the beginning of mine Proposed plantation	Planted trees as proposed	
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control	Nil	Nil	

	airborne dust			
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil		

Compliance of Rule 45

SN	Item	Comments	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto August 2014 A.R. submitted upto 2011-12	

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	Nil		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil		
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	Nil		
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	Nil		

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

Violations of MCDR 1988 were observed but not pointed out as violation of previous inspection dated 02.03.2015 by Shri A.R. Dalal, AME was communicated on 08.07.2015 for rule 45(5) of MCDR 1988.

Date 27.10.2015

(S.M.Dorle)
Asstt Mining Engineer
Name of inspecting officer
with designation and date