

**MCDR INSPECTION****General**

<b>SN</b>	<b>Particulars</b>	<b>Details</b>
	<b>Date of Inspection</b>	<b>18.06.2015</b>
1	Name of the Mine	Chandi Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	17.95 Hect (Govt. Revenue Land), Non-forest land
3	Minecode	38CHG05015
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10276/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Shankar Hari Agrwal, 28B, Recreation Marg, Chaube Colony, Raipur, Chhattisgarh Phone No.- 0771-2253178 (F), 07771- 2253092 Email: mkagrwal2006@yahoo.com
6	Village	Chandi
7	Taluka/Mandal	Berla
8	District	Bemetera
9	Pincode	491335
10	State	Chhattisgarh
11	Post office	Berla
12	Nearest police station	Berla
13	Nearest Railway station	Bhilai
14	Date of Grant of Mining Lease	05.10.2002
15	Date of Execution	-
16	Date of opening of Mine	The working permission granted on 30.11.2002 and mining operation started from year 2003
17	Date of first Renewal, if applicable and its period & expiry	27.11.2012
18	Date of second Renewal, if applicable and its period & expiry	N.A.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	N.A.
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	Manoj Ku.Chaurasia, Kotma Sahdol, Since 14.02.2014
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mining Engineer Manoj Ku.Chaurasia, Kotma Sahdol, Since 14.02.2014 Arun Swami Geologist
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Nil

SN	Particulars	Details
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan was Approved vide IBM letter no. DRG/LST/MPLN-756/NGP, Dated-06.11.2001
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-889/NGP, Dated-19.06.2009 Period- from 2008-09 to 2012-13 IInd Scheme of Mining was Approved vide IBM letter no. DRG/LST/MPLN-889/NGP, Dated-19.06.2009 Period- from 2013-14 to 2017-18
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	4 boreholes	4 boreholes	-
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease area covers under G-1 and G-2	G-1-76200 SqM G-2-103300 SqM	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Borehole drilling- approx 3 lack	Approx Rs 2.40 lakh	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	For G-1-103300 SqM	G1 study yet to be done	--
1e	Balance reserves as on 01.04.2015	111-4373150 MT 122-2634650 MT Total-7007800 MT	Balance total 6998417 MT Upto March 2015	--
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)	1m thickness of top soil bench	As per proposal	Use for plantation
2c	Stripping ratio or or e to OB ratio	---	---	
2d	Quantity of topsoil generation in m3	6900 m <sup>3</sup>	1700 m <sup>3</sup>	
2e	Quantity of overburden generation in m3	Not proposed	Not generated	
2f	General remarks of inspecting	Nil		

SN	Item	Proposals	Actual work	Remarks
	officer on development of pit w.r.t. type of deposit etc.			

### Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	As per proposal	
3b	Quantity of ROM mineral production proposed 2015-16	69825 tonnes	4000 tonnes	
3c	Recovery of salable/usable mineral from ROM production 2014-15	95%	95%	
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	Manual	Manual	
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	Jack hammer drilling and blasting	
3k	Provision of mining machineries in mineral benches	Proposal of excavator-dumper combination	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposal of height of benches 5m each	Nil	
3m	Total area covered under excavation/pits	1.88 Hect	1.88 Hect approx.	
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	4.29 ha	4.29 ha	

SN	Item	Proposals	Actual work	Remarks
3p	Production of ROM mineral during last five-year period, as applicable 2011-12 to 2014-15	2011-12-90000 MT 2012-13-90000 MT 2013-14---- 2014-15-68825 MT	2011-12- Nil 2012-13- Nil 2013-14-5383 MT 2014-15-4000 MT	
3q	General remarks of inspecting officer on method of mining etc.	The mines operation was closed due to suspension order CHG/DRG/Lst/50/NGP dated 24.01.2014 and mine was revoked by order 17.03.2015.		

### Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	During 2015-16 topsoil dumping separately at 3680 sqm	Not generated	
4b	Location of topsoil, OB & mineral reject dumps	topsoil dump eastern side of lease area	Not generated	
4c	Number of dumps within lease area and outside lease area	Not Proposed	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Not applicable	
4e	Number of active & alive dumps	Not Proposed	Not applicable	
4f	Number of dead dumps	Not Proposed	Not applicable	
4g	Number of dumps stabilised	Not Proposed	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Prepared along the dump at lease boundary	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	40 m garland drain was prepared	
4j	Number of settling ponds	Not Proposed	settling ponds prepared	
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	Not Proposed	Not applicable	
5b	Area under backfilling of mined out area	Not Proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Topsoil used for plantation	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Not applicable	

SN	Item	Proposals	Actual work	Remarks
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	
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	200 tree Plantation in waste dump	Plant 200 trees in waste dump cumulative no. of plants around 450	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Nil	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil		

### Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Proposed	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Not applicable	
7c	Different grade of mineral sorted out at mines	Not Proposed	Not applicable	

SN	Item	Proposals	Actual work	Remarks
7d	Any beneficiation process at mines	Not Proposed	Not applicable	
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)	temporarily Top soil stacked separately in 3680 sqm during 2015-16 for future use	As proposed	
8b	Concurrent use or storage of topsoil	For plantation	As proposed	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Top soil used for plantation	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not applicable	
8f	Baseline information on existence of plantation & additional plantation	370 nos	200 nos	
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling regularly as per schedule	Water sprinkling as per mining operation continuity	
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 June 2015 A.R. submitted upto 2013-14	

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	Production of mineral during the year		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	2014-15-5383 MT		

9d	Scrutiny of Annual return on afforestation	Balance Reserve total 6998417 MT Upto March 2015  PMV value		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

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

No violations of MCDR 1988 were observed. Mine was suspended on 24.01.2014 and revoked on 17.03.2015.

**Date 23.10.2015**

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