

**MCDR INSPECTION****General**

<b>SN</b>	<b>Particulars</b>	<b>Details</b>
	<b>Date of Inspection</b>	<b>16.06.2015</b>
1	Name of the Mine	Sahegaon-Patheria Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.93 Hect (Govt. Revenue Land), Non-forest land
3	Minecode	38CHG05013
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5671/2011
5	Name of the lessee, Address, phone, email and fax number	Shri Prakash Chandra Sahu, Q.N. 10/B, Street No.37, Sector 4, Bhilai-490006 Chhattisgarh Phone No.- 9425553126 (M) Email: pcsahu.mining@yahoo.com
6	Village	Sahegaon
7	Taluka/Mandal	Durg
8	District	Durg
9	Pincode	490006
10	State	Chhattisgarh
11	Post office	Bhilai-490006
12	Nearest police station	Kharora (5 Km)
13	Nearest Railway station	Nandini Township
14	Date of Grant of Mining Lease	08.12.2005
15	Date of Execution	-
16	Date of opening of Mine	17.02.2006
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	N.A.
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Santosh Kumar Singh, Q.N.4/G, Street No.38, Zone no.2, Sector No.11, Bhilai-496011
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Nil
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-889/NGP, Dated-19.08.2005 No specific condition
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 was Approved vide IBM letter no. DRG/LST/MPLN-889/NGP, Dated-27.11.2012 No specific condition
27	Mineral(s) granted in lease and proved for mining	Limestone( Cement Grade)
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	Nil	-	-
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	2 boreholes	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Apprx Rs 50000/-	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	--	--
1e	Balance reserves as on 01.04.2015	1260000 MT	1290002 MT	--
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

### Development

S N	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	At the middle of lease area	As per proposal	--
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches in topsoil, overburden and mineral	As per proposal	--
2c	Stripping ratio or ore to OB ratio	1:50	---	
2d	Quantity of topsoil generation in m <sup>3</sup>	16800 m <sup>3</sup>	As per proposal	
2e	Quantity of overburden generation in m <sup>3</sup>	16800 m <sup>3</sup>	As per proposal	
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	One	One	
3b	Quantity of ROM mineral production proposed 2014-15	35550 tonnes	34151 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	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	yes	yes	
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	2.28 Hect	0.0844 Hect approx.	
3n	Ore to OB ratio for the pit/mine during the year	1:50	1:50	
3o	Total area put in use under different heads at the end of year	3.02 ha	3.02 ha	
3p	Production of ROM mineral during last five-year period, as applicable 2012-13 to 2014-15	2012-13 to 2014-15 per year 39500 MT	2012-13-13477 MT 2013-14-42760 MT 2014-15-34151 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)	topsoil dumping Separately at 7.5 m lease boundary	As proposed	
4b	Location of topsoil, OB & mineral reject dumps	One within lease area at 7.5 m lease boundary	As proposed	

4c	Number of dumps within lease area and outside lease area	1	1	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Lease pit limit	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
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	Yet to be excavated mineral as depth reach only 12 m	As proposed	
5b	Area under backfilling of mined out area	Not required	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	afforestation	afforestation	
5d	Total area fully reclaimed & rehabilitated	Nil	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 airborne dust	Nil	Nil	
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 Sep 2015 A.R. submitted upto 2014-15	

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	Sale Value- Rs 270/-Per MT Ex mine Price- Rs 100/- per MT Production Code-245/-		
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 of rule 45(5) were observed, but not communicated to the party as violation letter of previous inspection of Shri Dalal, AME was pending.

**Date 30.11.2015**

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