

MCDR INSPECTION REPORT

**General**

<b>S. N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Marhi Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	10.117 (Non Forest Govt. Land)
3	Mine code	
4	IBM Registration Number under rule 45 of MCDR, 1988	
5	Name of the lessee, Address, phone, email and fax number	Shri Ashok Sarin,C-23,Sect-3,Devendra Nagar,P.O. & Dist.-Raipur,Chhattisgarh-492009
6	Village	Marhi
7	Taluka/Mandal	Raipur
8	District	Raipur
9	Pincode	
10	State	Chattisgarh
11	Post office	Raipur
12	Nearest police station	Raipur
13	Nearest Railway station	Raipur
14	Date of Grant of Mining Lease	26.12.2002
15	Date of Execution	26.12.2002
16	Date of opening of Mine	17.10.2004
17	Date of first Renewal, if applicable and its period & expiry	NA
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	Shri Ashok Sarin,Mine Owner
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 mine manager as the mine is presently non working
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	No Mining Engineer as the mine is presently non working
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	No Mining Geologist as the mine is presently non working
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	RAP/LST/MPLN-768/NGP dated 06.05.2002 for five year proposal 2004-05 to 2008-09
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	11.10.2010 for the period 2009-10 to 2013-14
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)	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**

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	There is no approved document after 31.03.2014
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	
1e	Balance reserves as on 01.04.2015	No proposal	Nil	
1f	General remarks of inspecting officer			

	on geology, exploration etc.			
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### **Development**

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	No proposal	NE boundary of ML	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal	Single bench working observed.	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m <sup>3</sup>	No proposal	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			The mine is mostly not working and only 40 tons production reported.

### **Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	No proposal	one	
3b	Quantity of ROM mineral production proposed	No proposal	40 ton	Dispatch 4 tons
3c	Recovery of salable/usable mineral from ROM production	No proposal	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	No proposal	Nil	
3k	Provision of mining machineries in mineral benches	No proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Nil	
3m	Total area covered under excavation/pits	No proposal	Nil	
3n	Ore to OB ratio for the pit/mine during the year	No proposal	Nil	
3o	Total area put in use under different heads at the end of year	No proposal	Nil	

3p	Production of ROM mineral during last five-year period, as applicable	2011-12-16875 tons 2012-13-20925 tons 2013-14-21600 tons 2014-15-no proposal 2015-16- no proposal	2011-12-490 tons 2012-13-460 tons 2013-14-520 tons 2014-15-335 tons 2015-16-40 tons	
3q	General remarks of inspecting officer on method of mining etc.			During inspection it was observed that mine is non-working but the old working shows open cast method of mining.

**Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	Nil	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active & alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilised	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			As mentioned earlier that mine is mostly not working and only 40 tons production reported.

**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	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			No backfilling observed during inspection.

**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.	No proposal	Nil	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha)	No proposal	Nil	

	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			
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	No proposal	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	No proposal	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			The mine is mostly non-working.

### **Mineral Conservation**

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	4 ton limestone	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal	Nil	
7c	Different grade of mineral sorted out at mines	No proposal	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			No beneficiation activity within lease area.

### **Environment**

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by	No proposal	Nil	

	mining operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No proposal	70 nos	
8g	Survival rate	No proposal	10%	
8h	Water sprinkling on roads to control airborne dust	No proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			As the mine reported very few days working entire year no adverse impact observed.

**Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns upto date		
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	No information Mining Engineer, Geologist and Manager	No Mining Engineer, Geologist and Manager observed as the mine is non-working.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.710 ha. pits,waste disposal 0.229 ha.,infrastructure 0.025 ha.road 0.135 ha.		
9d	Scrutiny of Annual return on afforestation	70 nos tree reported	Survival rate is very less observed.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	622 tons limestone		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex.mine price not mentioned,production cost 217 Rs/ton		
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Tractor 1 nos 45 HP,tractor 605 I nos 60 HP,compressor single jack electrical.		

**Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Violation under Rule 12(3) & 13(1) of MCDR, 1988 pointed out for not having approved scheme of mining.**

**(Name of inspecting officer with designation and date)**  
**Rajesh Kumar Das, Sr.ACOM &15.12.2016**