

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name & Designation of the inspecting officer	J.S. Hada, Assistant Mining Geologist
2	Date of Inspection	16.08.2017
3	Accompanying mine official	1. Shri Praveen Singh, representative of Mine owner Shri A.K. Singh 2. Shri Amit Mishra, Qualified Person
4	Name of the Mine	Lalpur Limestone mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.48 ha (Non- forest)
6	Minecode	38CHG14003
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10231/2012
8	Name of the lessee, Address, phone, email and fax number	Shri Akhilesh Kumar Singh C/o Shri Arjun Singh, Balaji Colony, At & PO Mandir Hasoud, District Raipur, Chhattisgarh, 492 101 Mob: 9977500600 Email: praveen500600@yahoo.com
9	Village	Lalpur
10	Taluka/Mandal	Raipur
11	District	Raipur
12	Pincode	493 111
13	State	Chhattisgarh
14	Post office	Donde Kalan
15	Nearest police station	Vidhan Sabha
16	Nearest Railway station	Mandhar, 6 km
17	Date of Grant of Mining Lease	20 years from 26.7.1999 to 25.7.2019, deemed to be extended to 50 years.
18	Date of Execution	26.07.1999
19	Date of opening of Mine	26.07.1999
20	Date of first Renewal, if applicable and its period & expiry	NA
21	Date of second Renewal, if applicable and its period & expiry	NA
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
26	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed
27	Whether Geologist and Mining Engineer appointed in mines Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan: 11.08.1998 (1999-00 to 2003-04) Modified MP: 28.09.2017 (2014-15 to 2018-19, Lapse period 2014-15 to 2016-17)

29	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1 st SOM: 9.7.2009 (2009-10 to 2013-14)
30	Mineral(s) granted in lease and proved for mining	Limestone
31	Method of Mining(Opencast, Underground)	Opencast
32	Category (Fully Mechanised, Others or Manual)	Category B Manual
33	Captive/Non Captive	Non Captive
34	EC for ROM Prod: Date of Issue:	Not yet obtained
35	FA amount Rs Valid up to:	Rs 5,60,000/- Valid up to: 31.3.2019

**Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –
Exploration**

Sr. No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	2 Boreholes were drilled, total meterage 40 m	
1b	Exploration over lease area for Geological axis 1 or 2.	None	2 Boreholes were drilled, total meterage 40 m	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee	Rs 52,500/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	
1e	Balance reserves as on 01.04.2018	-	5,02,000 t	
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	None	Southern side to northern side of the lease	No production since 2015-16, EC not obtained yet.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	None	Top soil: No top soil Limestone: 1	
2c	Stripping ratio or ore to OB ratio	None	1: 0.13	
2d	Quantity of topsoil generation in m3	None	1000 (last five years)	
2e	Quantity of overburden generation in m3	None	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil		

3.0 Exploitation

	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	None	3 pits	No production since 2015-16, EC not obtained yet.
3b	Quantity of ROM mineral production proposed	None	Nil	
3c	Recovery of salable/usable mineral from ROM production	None	Nil	
3d	Quantity of mineral reject generation	None	NA	
3e	Grade of mineral reject generation and threshold value declared	None	NA	
3f	Quantity of sub-grade mineral generation	None	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	None	Manual	

3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	None	NA																									
3j	Provision of drilling & blasting in mineral benches	None	Nil																									
3k	Provision of mining machineries in mineral benches	Nil	Nil																									
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	None	4 -5 m																									
3m	Total area covered under excavation/pits	None	2.4 ha																									
3n	Ore to OB ratio for the pit/mine during the year	None	1: 0.13																									
3o	Total area (ha) put to use under different heads at the end of year	None	<table border="1"> <tr> <td>1.</td> <td>Area under mining</td> <td>2.4</td> </tr> <tr> <td>2</td> <td>Dump</td> <td>0.1</td> </tr> <tr> <td>3</td> <td>Storage for topsoil</td> <td>0.1</td> </tr> <tr> <td>4</td> <td>Plantation</td> <td>0.1</td> </tr> <tr> <td>5</td> <td>Road</td> <td>0.1</td> </tr> <tr> <td>6</td> <td>Infrastructure</td> <td>0.2</td> </tr> <tr> <td>7</td> <td>Crusher</td> <td>0.1</td> </tr> </table>	1.	Area under mining	2.4	2	Dump	0.1	3	Storage for topsoil	0.1	4	Plantation	0.1	5	Road	0.1	6	Infrastructure	0.2	7	Crusher	0.1				
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3p	Production of ROM mineral during last five-year period, as applicable	<table border="1"> <thead> <tr> <th>Year</th> <th>Qty in tonnes</th> </tr> </thead> <tbody> <tr> <td>2012-13</td> <td>22,500</td> </tr> <tr> <td>2013-14</td> <td>22,500</td> </tr> <tr> <td>2014-15</td> <td>Lapse period</td> </tr> <tr> <td>2015-16</td> <td>Lapse period</td> </tr> <tr> <td>2016-17</td> <td>Lapse period</td> </tr> </tbody> </table>	Year	Qty in tonnes	2012-13	22,500	2013-14	22,500	2014-15	Lapse period	2015-16	Lapse period	2016-17	Lapse period	<table border="1"> <thead> <tr> <th>Year</th> <th>Qty in tonnes</th> </tr> </thead> <tbody> <tr> <td>2012-13</td> <td>10,390</td> </tr> <tr> <td>2013-14</td> <td>5,782</td> </tr> <tr> <td>2014-15</td> <td>6,151</td> </tr> <tr> <td>2015-16</td> <td>Nil</td> </tr> <tr> <td>2016-17</td> <td>Nil</td> </tr> </tbody> </table>	Year	Qty in tonnes	2012-13	10,390	2013-14	5,782	2014-15	6,151	2015-16	Nil	2016-17	Nil	
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3q	General remarks of inspecting officer on method of mining etc.	Nil																										

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	None	Along the 7.5 m boundary barrier	Mine not worked during 2016-17
b	Location of topsoil, OB & mineral reject dumps	None	Boundary Barrier	
4c	Number of dumps within lease area and outside lease area	None	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	Eastern part of the lease along the 7.5m barrier zone	
4e	Number of active & alive dumps	None	1	
4f	Number of dead dumps	None	NA	
4g	Number of dumps stabilized	None	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	None	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	None	NA	
4k	Specific comments of	Nil	Nil	

	inspecting officer, if any			
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5.0 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	None	NA	
5b	Area under backfilling of mined out area	None	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	None	NA	
5d	Total area fully reclaimed & rehabilitated	None	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil		

6.0 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.	-	No	Mine not worked since 2 years
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	None	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation		None	100
6e	Compliance of Environmental monitoring (core zone & buffer zone)		None	NA
6f	General remarks of inspecting officer on PMCP compliance & progressive		Nil	

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	None	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	None	NA	
7c	Different grade of mineral sorted out at mines		NA	
7d	Any beneficiation process at mines		NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	yes	Mine not worked since 2 years
8b	Concurrent use or storage of topsoil	None	Storage	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	Along 7.5m boundary barrier zone	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	None	About 50 plants existing out of 100 planted.	
8g	Survival rate	None	50%	
8h	Water sprinkling on roads to control airborne dust	None	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Nil		

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	AR and MR submitted online	

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	Mining Engineer – Nil Geologist – Nil Mines Manager – Nil	Nil	Mine not worked since 2 years
9c	Scrutiny of Annual return on land use pattern for area under	Break up shown as 0	Advised to fill all details	

	pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation	Nil	Nil	
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	Closing stock – 0	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value - 0 Ex-mine price- 0 Cost of production - 0	Nil	Mine not worked since 2 years
9i	Scrutiny of Annual return on fixed assets	Fixed assets –0	Advised to fill all details	
9k	Scrutiny of Annual return on mining machineries	Air Compressor-1 Blast hole drill -2 Electric pumps -2 Tipper - 4	Nil	

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

No outstanding violation. No major/serious violation observed during the current inspection.

(J.S. Hada)
Assistant Mining Geologist