

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	Shaival Kartikeya Jr. Mining Geologist
2	Date of inspection	02/06/2017
3	Name of the Mine	Sahegaon Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.90 Ha. (Non Forest)
5	Mine Code	38MPR13023
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10048/2012
7	Name of the lessee, Address, phone, email and fax number	Shri S. N. Agrawal Shop No. 77 'A' Market, Sector -1, Bhilai, District Durg – 491001 (Chhattisgarh) Mob. 09425236339 Email: anand_aprillin@yahoo.co.in
8	Village	Sahegaon
8	Taluka / Mandal / District	Tehsil: Dhamdha; District: Durg
10	State	Chhattisgarh
11	Post office & PIN	Nandini 491036
12	Nearest police station	Nandini Nagar
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	01/07/1999 to 30/06/2019 (20 Years)
15	Date of Execution	01/07/1999
16	Date of opening of Mine	01/07/1999
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 S. N. Agrawal Shop No. 77 'A' Market, Sector -1, Bhilai, District Durg – 491001 (Chhattisgarh) Mob. 09425236339

		Email: anand_aprillin@yahoo.co.in
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	NIL

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 55 & carrying out their duties as per rule 56 & 57 of MCDR, 2017.	NIL
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. DRG/LST/MPLN-29 NGP Dated 18/10/1988 Period: 1989-90 to 1993-94 Mining Plan approved vide letter no. DRG/LST/MPLN-29 NGP Dated 20/11/1997 Period: 1997-1998 to 2003-04 (07 Years)
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 approved vide letter no. DRG/LST/MPLN-29/NGP Dated 04/05/2009 Period: 2009-10 to 2013-14 Review of Mining approved vide letter no. DRG/LST/MPLN-29/NGP/2015-II/10-RPR Dated 02/08/2016 Period: 2016-17 to 2018-19 (Lapse Period: 2014-15 to 2015-16)
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)	Category 'A' Mechanised
30	Captive/Non Captive	Non Captive

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

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	

1b	Exploration over lease area for Geological axis 1 or 2.	01 no. of borehole	NIL	Violation Pointed out
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Limestone is exposed in the quarry
1e	Balance reserves as on 01.04.2017 in Metric Tonnes	111 Category: 7,06,919.744 MT 121/122 Category: 21,32,998.94MT 221/222 Category: 11,69,982.522 MT	111 Category: 7,53,542.43 MT 121/122 Category: 21,32,998.94 MT 221/222 Category: 11,69,982.522 MT	
1f	General remarks of inspecting officer on geology, exploration etc.			

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Northern part of the lease area	Mining is being carried out irregularly in several places such as North-central, Central, and Southern part of the lease area. Most of places 7.5m barrier zone has been mined out up to 15-20m down from present ground RL	Deviation pointed out
2b	Separate benches in topsoil, overburden and mineral (Rule 13 of MCDR, 2017)	Mineral - 03	Mining is being carried out irregularly in several places	
2c	Stripping ratio or ore to OB ratio	NIL	NIL	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	1204.130 m3	-	Records not

				maintained
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mining is being carried out irregularly in several places such as North-central, Central, and Southern part of the lease area. Most of places 7.5m barrier zone has been mined out up to 15-20m down from present ground RL.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	60,232.686 MT	-	
3c	Recovery of salable/usable mineral from ROM production	57,221.052 MT	13,610.00 MT	
3d	Quantity of mineral reject generation	3011.634 MT	-	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Dia – 34mm	NA	
3k	Provision of mining machineries in mineral benches	01 Air Compressor 01 Jackhammer 03 Portable Magazine 01 Exploder 03 Tipper 01 Shovel	NA	Machinery logbook not maintained
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3.0m each	15-20 m at 7.5m barrier zone	
3m	Total area covered under excavation/pits	Pits 5.00 ha Dump 0.028 ha Roads & Office 0.1 ha	Pit- 5.90 ha	

3n	Ore to OB ratio for the pit/mine during the year	NIL	NIL	
3o	Total area put in use under different heads at the end of year	Pit- 5.00 ha Waste/reject- 0.028 ha Others- 0.1 ha	Pit- 5.90 ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2012-13: 27,000.00 MT Yr-2013-14: 27,000.00 MT Yr-2014-15: NIL Yr-2015-16: NIL Yr-2016-17: 60,232.686 MT	Yr-2012-13: 1,550.00 MT Yr-2013-14: 22,150.66 MT Yr-2014-15: 4500.00 MT Yr-2015-16: 4500.00 MT Yr-2016-17: 13,100.00 MT	Lapse Period: 2014-15 to 2015-16
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 36, 37 of MCDR, 2017)	Northern Part the lease area	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Northern Part the lease area	NIL	
4c	Number of dumps within lease area and outside lease area	Within lease area 01	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14 of MCDR, 2017)	NIL	NIL	
4e	Number of active & alive dumps	01	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not available	NIL	Dump not found
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	NIL		

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	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36 of MCDR, 2017)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area not matured for backfilling.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2) of MCDR, 2017. Details should be given in the format as given in Annexure-20.	No	No	
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	0.20 m3 200 nos. 200 nos.	NIL NIL NIL	Deviation pointed out
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	NA	NA	

	v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	200 nos. 0.20 ha	NIL NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NIL	NIL	
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	NIL	14,104 MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	NIL	
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		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Thickness of top soil: 0.60 m; Proposal for separate stcaking	Top soil not observed within quarry.	Most of places 7.5m barrier zone has been mined out up to 15-20m down from present ground RL

8b	Concurrent use or storage of topsoil	Future reclamation purpose	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Northern side of the lease area	Not found	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44 of MCDR, 2017)	Proposal: 200 plants Area covered: 0.20 m ³	NIL	
8g	Survival rate	NIL	Plantation not done. 0% survival rate.	
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	
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
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – Online monthly return from April 2016 to March 2017 have submitted A.R. submitted upto- Online return for 2015-16 has submitted	

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	NIL	Not Appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not mentioned	Could not be ascertained as lessee has not furnished information in AR	
9d	Scrutiny of Annual return	130 nos within	NIL achievement	Deviation

	on Afforestation	lease area		form proposal observed
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not mentioned	Could not be ascertained as lessee has not furnished information in AR	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	978.258 Metric Tonnes	978.258 Metric Tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs. 300/- Per Tonne (Ex Mine Price)	Rs. 300/- Per Tonne (Ex Mine Price)	Sale value, & production cost Could not be ascertained as lessee has not furnished information in AR
9i	Scrutiny of Annual return on fixed assets	Not mentioned	Could not be ascertained as lessee has not furnished information in AR	
9k	Scrutiny of Annual return on mining machineries	Not mentioned	Could not be ascertained as lessee has not furnished information in AR	

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

Previous outstanding Violation:- Rule 45(5)(a) and 45(5)(b) of MCDR, 2017

Violations pointed out during present inspection: Rule 11(1), 19 (1),(2)&(3), 26(2), 27(2), 33, 40, 41, 42, 45(7) and 55 of MCDR, 2017