

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	S. Kartikeya, Jr. Mining Geologist, Indian Bureau of Mines, Raipur
2	Accompany with Mine Officials	Shri Ashok Sarin, Lessee
3	Date of inspection	16/08/2019
4	Name of the Mine	Madhi Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: NIL Non-forest: 10.117 Ha. Total Lease Area: 10.117 ha.
6	Mine Code	38CHG14021
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/11896/2012
8	Name of the lessee, Address, phone, email and fax number	Shri Ashok Sarin, Lessee, C-23, Sector 3, Devendra Nagar, Raipur (Chhattisgarh) – 492009 Phone: +91 (0) 9993356155 +91 (0) 9575403150 Email: sarinconstruction@gmail.com
9	Village	Madhi
10	Taluka / Mandal / District	Tehsil: Tilda, District: Raipur
11	State	Chhattisgarh
12	Post office & PIN	Tilda, Pin code: 493116
13	Nearest police station	Tilda
14	Nearest Railway station	Tilda
15	Date of Grant of Mining Lease	26/12/2002 to 25/12/2022 (20 Years) Supplementary lease agreement for the extended period as per section 8A of MMDR Amendment Act, 2015 has not been made.
16	Date of Execution	26/12/2002
17	Date of opening of Mine	17/10/2004
18	Date of first Renewal, if applicable and its period & expiry	Not applicable
19	Date of second Renewal, if applicable and its period & expiry	Not Applicable
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed

File No. CHG/RAP/LST-72/RPR

23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed (Mine is non-operational since April 2019) Deviation has been pointed out
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Not appointed (Mine is non-operational since April 2019) Deviation has been pointed out
26	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.RAP/LST/MPLN-768/NGP Nagpur dated 06/05/2002 Proposal Period: 2004-05 to 2008-09
27	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.RAP/LST/MPLN-768/NGP Nagpur dated 11/10/2010 Proposal Period: 2009-10 to 2013-14 Review of Mining Plan approved vide letter no. RPR/LST/MPLN-1110/2017 Raipur dated 14/09/2017 Proposal Period: 2017-18 to 2018-19 Review of Mining Plan approved vide letter no. RPR/LST/MPLN-1206/2019 Raipur dated 19/06/2018 Proposal Period: 2019-20 to 2021-22 (up to 25/12/2022) Lapse Period: 200-03 to 2003-04 (02 years) 2014-15 to 2016-17 (03 years)
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining(Opencast, Underground)	Opencast
30	Category (Fully Mechanised, Others or Manual)	Category 'A' Fully Mechanised
31	Captive/Non Captive	Non Captive
32	Existing EC Limit and validity	Limestone 21600 Metric Tonnes Per Annum obtained from State Level Environment Impact Assessment Authority Chhattisgarh, Ministry of Environment and Forest, Government of India vide letter no. 659/SEAC-CG/EC/Mining/RYP/211/10 Raipur dated 27/01/2011
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs. 8,00,000/- (Eight Lakhs) vide BG No. 049317IGPER0048 dated 04/05/2017 valid up to 25/12/2022

		Rs. 2,00,000/- (Two Lakhs) vide BG No.49317IGPER0004 dated 17/01/2017 valid up to 25/12/2022
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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	2019-20: 01 no. of borehole with cumulative depth of 50.0 meters	Not done so far.	Deviation has been pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	Under G1 Category: 3.317 Ha	-do-	do
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document.	Not applicable	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Under G1 Category: 3.317 Ha	Not done so far.	Deviation has been pointed out.
1e	Balance reserves as on 01.04.2019 (in Million Tonnes)	Under (111): 3.4791 Million Tonnes Under (122): 0.5088 Million Tonnes Under (222): 1.1190 Million Tonnes	Under (111): 3.4791 Million Tonnes Under (122): 0.5088 Million Tonnes Under (222): 1.1190 Million Tonnes	Fresh estimation has been done in latest approved RMP
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 (Range in UTM/Local Coordinate/Plot No./Location)	In between local co-ordinates 2018-19: S50 to S110 and E195 to E260 2019-20: S30 to S120 and E130 to E200	In between local co-ordinates 2018-19: S20 to S130 and E115 to E250 2019-20: Working is temporary discontinued since April 2019	Excess development has been done. Deviation has been pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil/OB: 01 no. Mineral: 01 no.	No separate benches have been made. Only one bench has been developed mixed with Topsoil, OB and Mineral.	Height of the bench could not be ascertained as the quarry was water logged during inspection.

2c	Stripping ratio or ore to OB ratio	1:0.69	Could not be ascertained as no record has been maintained,	-
2d	Quantity of topsoil generation in m3	15081.0 CuM	-do-	-
2e	Quantity of overburden generation in m3	No overburden will be generated during review period.	Certain quantity of over burden has been generated and stacked in several places within lease area as well as outside area.	Deviation has been pointed out.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	In between pillar no BP3 to BP4 working has been extended beyond lease area boundary.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01 no.	02 nos.	-
3b	Quantity of ROM mineral production proposed	2018-19: 21600.00 Metric Tonnes 2019-20: 21600.00 Metric Tonnes	2018-19: 12100.00 Metric Tonnes 2019-20: NIL sofar	Mine is temporarily discontinued since April 2019 due to less market demand.
3c	Recovery of salable/usable mineral from ROM production	2018-19: 75%	Could not be ascertained as no record has been maintained.	-
3d	Quantity of mineral reject generation	As per the last approved document, no mineral reject will be generated during RMP period.	Ore mixed with topsoil has been stacked with waste rock at several places within and outside of the lease area.	Deviation has been pointed out.
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document.	Not applicable	-
3f	Quantity of sub-grade mineral generation	2018-19: 5400.00 Metric Tonnes. (25% of total ROM)	Quantity of the generated sub-grade ore could not be ascertained as no record has been maintained.	-
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document.	Not applicable.	-

File No. CHG/RAP/LST-72/RPR

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Crushing and screening has been proposed to maintain the size 25 mm to 100 mm.	Mechanised Crushing and screening has been erected in the mine.	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study has been proposed in the approved document during RMP Period.	Not applicable.	-
3j	Provision of drilling & blasting in mineral benches	Dia: 32 mm Spacing: 1.0 m Burden: 1.5 m Depth: 1.5 m	Could not be ascertained as no record has been maintained.	-
3k	Provision of mining machineries in mineral benches	<ol style="list-style-type: none"> 1. Jack Hammer 02 no with 32 mm dia capacity 2. Compressor 01 no. with 450 cfm capacity 3. JCB 01 no. with 2.0 CuM bucket capacity 4. Dozer 01 no. 5. Dumper 01 no. with 25 Tonnes capacity 6. Truck 01 no. with 10 Tonnes capacity 7. Water Tanker 01 no. with 1000 liters capacity 8. Jeep 01 no. 	Could not be ascertained as no record has been maintained.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: 1.5 m Limestone: 6.0 m	Could not be ascertained as both the quarries are water logged.	-
3m	Total area covered under excavation/pits	0.5518 Ha. up to end of Review Period i.e. up to end of F.Y. 2018-19.	1.6546 Ha. up to end of Review Period i.e. up to end of F.Y. 2021-22.	

3n	Ore to OB ratio for the pit/mine during the year	1: 0.69	Could not be ascertained as no record has been maintained.	-
3o	Total area put in use under different heads at the end of year	Pit- 0.5518 Ha. Waste/reject- 0.4107 Ha. Others- 0.3678 Ha. up to end of Review Period i.e. up to end of F.Y. 2018-19.	Pit- 1.6546 Ha. Waste/reject- 0.1928 Ha. Others- 0.5679 Ha. up to end of Review Period i.e. up to end of F.Y. 2021-22.	Could not be ascertained as no record has been maintained.
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2014-15: NIL Metric Tonnes Yr- 2015-16: NIL Metric Tonnes Yr- 2016-17: Metric Tonnes Yr- 2017-18: 21600.00 Metric Tonnes Yr- 2018-19: 21600.00 Metric Tonnes	Yr- 2014-15: Metric Tonnes Yr- 2015-16: Metric Tonnes Yr- 2016-17: NIL Metric Tonnes Yr- 2017-18: 5047.00 Metric Tonnes Yr- 2018-19: 12100.00 Metric Tonnes	Lapse Period: 2014-15 to 2016-17 (03 years)
3q	General remarks of inspecting officer on method of mining etc.			

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Proposal has been given in the approved document for separate dumping of topsoil, OB & mineral reject.	Not done according to the proposal given in the approved document.	Deviation has been pointed out.
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Topsoil and OB: In between local coordinates 2018-19: (1) S20 to S50 and W10 to E100 (2) S35 to S65 and E285 to E360	Ore mixed with topsoil has been stacked with waste rock at several places within and outside of the lease area.	Deviation has been pointed out.
4c	Number of dumps within lease area and outside lease area	02 nos.	Several numbers of dumps have been made within and outside lease area have been made without proposal.	Deviation has been pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Dumping has been proposed beyond ultimate pit limit.	Not done according to the proposal given in the approved	

			document.	
4e	Number of active & alive dumps	Active: 02 nos.	Several numbers of dumps have been made within and outside lease area have been made without proposal.	Deviation has been pointed out.
4f	Number of dead dumps	Proposal has not been given in the approved document for dead dumps.	No dead dumps have been observed within lease area.	-
4g	Number of dumps stabilised	Proposal has been given in the approved document for plantation over dumps.	Not done.	Deviation has been pointed out.
4h	Whether Retaining wall or garland drain all along dumps are there	Proposal has been given in the approved document for construction of retaining wall around waste dump.	Not constructed.	Deviation has been pointed out.
4i	Length of Retaining wall or garland drain all along dump	Not mentioned in the approved document.	Not applicable.	-
4j	Number of settling ponds	Proposal has not been given in the approved document for construction of settling ponds.	Not applicable.	-
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	Proposal for full extraction of mineral from mined out area before starting backfilling has been given during conceptual stage.	Not applicable as on date.	-
5b	Area under backfilling of mined out area	Proposal has not been given in the approved document for backfilling.	Not applicable.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Concurrent use of topsoil for restoration through plantation has been	No plantation has been done during last review period.	-

		proposed in the approved document.		
5d	Total area fully reclaimed & rehabilitated	Proposal has not been given in the approved document for reclamation and rehabilitation.	Lease area not matured for reclamation and rehabilitation.	-
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 23. Details should be given in the format as given in Annexure-20.	PMCP report has not been submitted.	Deviation has been pointed out.	-
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	1.600 Ha. 125 nos. 100 nos. 225 By plantation Rs. 1,50,000/- Per Year	Not done Not done Not done Not done Not done NIL	Deviation has been 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 v) Any other specific means	Proposal has not been given in the approved document for reclamation and rehabilitation.	Lease area not matured for reclamation and rehabilitation.	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	100 nos. 0.800 Ha. By plantation	Not done Not done NIL	-

6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of Ambient Air, Water and Noise Vibration at Core and Buffer Zone.	Not done.	Deviation has been pointed out
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	Grade wise sorting of ROM has been proposed in the approved document.	Could not be ascertained as the mine is non operation since April 2019.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised crushing and screening.	-do-	-
7c	Different grade of mineral sorted out at mines	25 to 100 mm size ore will be sorted from the crushed ROM.	-do-	-
7d	Any beneficiation process at mines	No beneficiation process at mines has been proposed in the approved document.	Not applicable.	-
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 36)	Proposal has been given in the approved document for separate removal and utilization of topsoil.	Not done according to the proposal.	Deviation has been pointed out.
8b	Concurrent use or storage of topsoil	Proposal has been given in the approved document for concurrent use of topsoil.	-do-	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumping of overburden, waste rock, rejects and fines has been proposed in the approved document.	-do-	-do-

File No. CHG/RAP/LST-72/RPR

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has been given in the approved document for ground restoration during review period.	Not applicable	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal has not been given in the approved document for Phased restoration, reclamation and rehabilitation of lands affected by mining operations during review period.	Not applicable	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	100 nos. saplings will be planted every year.	Not Done.	Deviation has been pointed out.
8g	Survival rate	Not mentioned in the approved document.	No plantation has been done during last review period.	-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads through water tanker.	Could not be ascertained as the mine is non-operational since April 2019	-
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 – March 2019 A.R. submitted upto- F.Y. 2017-18	Monthly returns for the months of April 2019 to August 2019 and Annual Return for the F.Y. 2018-19 have not been submitted

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining	No information is available.	A.R. for F.Y. 2018-19 not submitted.	Deviation has been

	Engineer, Geologist and Manager		M.R. April 2019 to August 2019 are not submitted.	pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-do-	-do-	-do-
9d	Scrutiny of Annual return on Afforestation	-do-	-do-	-do-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	-do-	-do-	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-do-	-do-	-do-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	-do-	-do-	-do-
9i	Scrutiny of Annual return on fixed assets	-do-	-do-	-do-
9k	Scrutiny of Annual return on mining machineries	-do-	-do-	-do-

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

No outstanding violations.

Date of Last Inspection, Name and Designation of the Inspecting Officer:

Shri R. K. Das, Sr. Asstt. Controller of Mines, date of inspection: 16/02/2019

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्योरा
Rule 11(1)	<p>The following deviations have been found in the mine from approved Review of Mining Plan vide letter no. RPR/LST/MPLN-1110/2017/RPR Raipur dated 14/09/2017 for the period of 2017-18 to 2018-19:</p> <p>Development: There was a proposal given for development and excavation of mineral/ore During F.Y. 2018-19:</p> <p>(i) In between local co-ordinates: S50 to S110 and E195 to E260 Whereas, development and production has been done in between local co-ordinates S20 to S130 and E115 to E250.</p> <p>(ii) In between pillar no BP3 to BP4 working has been extended beyond lease area boundary.</p> <p>Disposal of Waste: A huge quantity of limestone mixed with topsoil and Overburden have been dumped at several places within and outside of the lease area.</p> <p>Afforestation: There was a proposal given for plantation of 200 nos. of plants during 2017-18 to 2018-19. Whereas, none of the plants have been planted.</p> <p>Environmental Monitoring: There was a proposal given for regular Environmental Monitoring (Ambient Air Quality, Water Quality and Noise Level Survey and ground vibration). The same has not been conducted.</p>

नियम	उल्लंघन के प्रकार का विस्तृत ब्योरा
Rule 26 (2)	A yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out has not been submitted for the year 2017-18 and 2018-19.
Rule 28 (1)	Notice of Temporary Discontinuance has not been sent to the authorized officer within one hundred and twenty days from the date of such discontinuance as the mine is non operational from April 2019.
Rule 35	Online self assessment report of mining and allied activities as per the notified template of star rating in the format prescribed by the Indian Bureau of Mines for the year 2018-19 has not been submitted.
Rule 45 (5) (b) & (c)	<p>मासिक विवरणियाँ : खान की माह अप्रैल 2019 से माह जुलाई 2019 की मासिक विवरणीयां ऑनलाइन नहीं भरी गई है एवं विवरणियाँ की प्रति क्षेत्रीय खान नियंत्रक, रायपुर को प्रेषित नहीं की गई है। नियमानुसार मासिक विवरणियाँ संबंधित माह के समाप्ति के 10 दिन के भीतर www.ibm.gov.in पर ऑनलाइन भर कर एक प्रति इस कार्यालय को प्रेषित की जानी चाहिए।</p> <p>वार्षिक विवरणियाँ : खान की वित्त वर्ष 2018-19 की वार्षिक विवरणियाँ ऑनलाइन नहीं भरी गई हैं एवं विवरणियों की प्रति क्षेत्रीय खान नियंत्रक, रायपुर को प्रेषित नहीं की गई है। वार्षिक विवरणियाँ www.ibm.gov.in पर ऑनलाइन भर कर वित्तीय वर्ष की समाप्ति के बाद अगली 1 जुलाई के भीतर इस कार्यालय को प्रेषित की जानी चाहिए।</p>
Rule 54	Labour attendance register, Daily Production register, Records of contribution of DMF & NEMT have not been maintained.

(Name of the Inspecting Officer and Designation and Date)

(Shaival Kartikeya)
 Jr. Mining Geologist
 Indian Bureau of Mines, Raipur
 Date of Inspection: 16/08/2019