

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	Date of inspection	25/10/2017
3	Name of the Mine	Banipathar Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	7.409 Ha. (Non-Forest)
5	Mine Code	38MPR27003
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9928/2012
7	Name of the lessee, Address, phone, email and fax number	M/S K. A. Rao & Company Partner Shri Rambhagat Gupta New Post Office Road, Post & Tehsil Kharasia District Raigarh (Chhattisgarh)-496661 Phone: 07762-272140 Mob: 09425570104 Email: rasbhirahi.gupta@gmail.com
8	Village	Banipathat
8	Taluka / Mandal / District	Tehsil: Kharasia, District: Raigarh
10	State	Chhattisgarh
11	Post office & PIN	496661
12	Nearest police station	Kharasia
13	Nearest Railway station	Kharasia 7 Km
14	Date of Grant of Mining Lease	26/09/1982 to 25/09/2002 (20 Years)
15	Date of Execution	26/09/1982
16	Date of opening of Mine	15/10/1982
17	Date of first Renewal, if applicable and its period & expiry	26/09/2002 to 25/09/2022 (20 years)
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable as per MMDR Act, 2015
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	Partner Shri Rambhagat Gupta New Post Office Road, Post & Tehsil Kharasia District Raigarh (Chhattisgarh)-496661 Phone: 07762-272140 Mob: 09425570104 Email: rasbhirahi.gupta@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of	Not Appointed

	appointment	
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not Appointed
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not Appointed
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Not Appointed
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. RGH/LST/MPLN-138/NGP Nagpur Dated 02/05/2003 Period: 2002-03 to 2007-08
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1st Scheme of Mining approved vide letter no. RGH/LST/MPLN-138/NGP Nagpur Dated 25/08/2010 Period: 2008-09 to 2012-13 2nd Scheme of Mining approved vide letter no. RGH/LST/MPLN-138/NGP Nagpur Dated 12/04/2016 Period: 2013-14 to 2017-18 (Lapse Period: 2013-14 to 2014-15)
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 'B' Manual
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	2016-17: 02 nos. of Borehole with Cumulative depth 60 meters	None of the boreholes have been drilled.	Deviation has been pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	No Exploration has been done in the past.	No Exploration has been done in the past.	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No exploration has been done.	Not Applicable	-

1d	Balance area to be explored to bring Geological axis in 1 or 2	No Exploration has been done in the past.	The entire area need to be explored as UNFC Norms.	-
1e	Balance reserves as on 01.04.2017	Under (111): 0.347790 Million Tonnes Under (211): 0.642 Million Tonnes	Under (111): 0.413370 Million Tonnes Under (211): 0.642 Million Tonnes	-
1f	General remarks of inspecting officer on geology, exploration etc.	Deviation on exploration has been pointed out. The entire area is required exploration as UNFC norms.		

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)	Pit no.2, Southern part of the lease area	Pit no. 1 and 2 are water logged during inspection	-
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Top Soil: 01 Mineral: 01	Pit no. 2 was water logged during inspection. The same could not be ascertained.	-
2c	Stripping ratio or ore to OB ratio	1:0.25	1:0.0	-
2d	Quantity of topsoil generation in m3	Not proposed in the approved document	Not Applicable	-
2e	Quantity of overburden generation in m3	Not proposed in the approved document	Not Applicable	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01	01	Pit no. 1 and 2 are water logged during inspection
3b	Quantity of ROM mineral production proposed	45133.725 Metric Tonnes	11670.00 Metric Tonnes	-
3c	Recovery of salable/usable mineral from ROM production	90%	100%	-
3d	Quantity of mineral reject generation	4513.37 Metric Tonnes	NIL	-

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	Not mentioned in the approved document	Not Applicable	-
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document	Not Applicable	-
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed in the approved document	Not Applicable	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed in the approved document	Not Applicable	-
3j	Provision of drilling & blasting in mineral benches	Burden: 1.2m Depth: 3.3m Spacing: 1.5m Dia: 65mm Charge: 750gms	Pit no. 2 was water logged during inspection. The same could not be ascertained.	-
3k	Provision of mining machineries in mineral benches	Atlas Copco Compressor 50HP: 01 no. Tata Tipper 10 Tonnes: 02 nos.	Pit no. 2 was water logged during inspection. The same could not be ascertained.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral: 3.5 m	Pit no. 2 was water logged during inspection. The same could not be ascertained.	-
3m	Total area covered under excavation/pits	0.030 Ha up to end of Scheme Period	Pit no. 1 and 2 was water logged during inspection. The same could not be ascertained.	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.25	1:0.00	-
3o	Total area put in use under different heads at the end of year	Pit- 0.030 Ha Waste/reject- NIL Others- 0.656 Ha	Pit no. 1 and 2 was water logged during inspection. The same could not be ascertained.	-
3p	Production of ROM mineral during last five-year period, as applicable	Yr- 2012-13: 13500.00 Metric Tonnes Yr- 2013-14: NIL Metric Tonnes Yr- 2014-15: NIL Metric Tonnes Yr- 2015-16: 40076.10 Metric Tonnes	Yr- 2012-13: 2980.00 Metric Tonnes Yr- 2013-14: 6025.00 Metric Tonnes Yr- 2014-15: 7155.00 Metric Tonnes Yr- 2015-16:	Lapse Period: 2013-14 to 2014-15

		Yr- 2016-17: 45133.72 Metric Tonnes	7960.00 Metric Tonnes Yr- 2016-17: 11670.00 Metric Tonnes	
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)	Along 7.5m barrier zone	NIL generation of OB/Reject during 2016-17	-
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Along 7.5m barrier zone	NIL generation of OB/Reject during 2016-17	-
4c	Number of dumps within lease area and outside lease area	01	01	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	South-western part of the lease along 7.5m barrier zone.	NIL generation of OB/Reject during 2016-17	-
4e	Number of active & alive dumps	01	NIL generation of OB/Reject during 2016-17	-
4f	Number of dead dumps	01	01	-
4g	Number of dumps stabilised	NIL	NIL	-
4h	Whether Retaining wall or garland drain all along dumps are there	Construction of Garland drain around the dump bottom to prevent the rolling/flow down of boulders/soil and wash off final material	The same has not been constructed	Deviation has been pointed out
4i	Length of Retaining wall or garland drain all along dump	Not proposed in the approved document	Not applicable	-
4j	Number of settling ponds	Not proposed in the approved document	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	Not proposed in the approved document as the area has not been reached conceptual stage.	Not applicable	-
5b	Area under backfilling of mined out area	Not proposed in the approved document as the area has not been reached conceptual stage.	Not applicable	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Not proposed in the approved document	Top Soil not generated during 2016-17 as the exaction has been done in the quarry bottom.	-
5d	Total area fully reclaimed & rehabilitated	Not proposed in the approved document as the area has not been reached conceptual stage.	Not applicable	-
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.	Not submitted	Nil	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	0.280 Ha 50 nos.	Not done Not Done	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	Not proposed in the approved document as the area has not been reached conceptual stage.	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	50 nos. 0.280 Ha	00 nos. 0.0 Ha	Deviation has been pointed out.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed Ambient Air: 8 samples Water Quality: 4 Samples	Not done	-
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	Not proposed in the approved document	Not applicable	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed in the approved document	Not applicable	-
7c	Different grade of mineral sorted out at mines	Not proposed in the approved document	Not applicable	-
7d	Any beneficiation process at mines	Not 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)	Not proposed in the approved document	Not applicable	
8b	Concurrent use or storage	Not proposed in the	Not applicable	-

	of topsoil	approved document		
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Along 7.5m barrier zone	NIL generation of OB/Reject during 2016-17	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Along 7.5m barrier zone	NIL generation of OB/Reject during 2016-17	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed in the approved document	Not applicable	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Not proposed in the approved document	Not applicable	-
8g	Survival rate	Not proposed in the approved document	Plantation not done during Scheme period	Deviation has been pointed out.
8h	Water sprinkling on roads to control airborne dust	Not proposed in the approved document	Not applicable	-
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 –October 2017 A.R. submitted upto- Offline 2016-17	Deviation for Offline returns has been pointed out

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, Geologist and Manager are not appointed	NIL	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 0.8 Ha Dump: 0.1 Ha Others: 1.0 ha	NIL	
9d	Scrutiny of Annual return on afforestation	50 nos	Not done	Deviation has been

				pointed out.
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: 39286 Metric Tonnes	NIL	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Production Cost: Rs 213.00		-
9i	Scrutiny of Annual return on fixed assets	Not given	NIL	-
9k	Scrutiny of Annual return on mining machineries	JCB: 1.2 cubic meter Tractor: 5 Tonnes	NIL	-

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

Outstanding violation under Rule 45 for non submission of online annual returns for 2015-16 and 2016-17

Date of Last Inspection, Name and Designation of the Inspecting Officer: **Shri S. W. Dhoke, AME, Nagpur, Date of inspection: 19/12/2008**

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 the approved Scheme of Mining vide RGH/LST/MPLN-138/NGP/2015 Nagpur dated 12/04/2016 for the period of 2015-16 to 2017-18:</p> <p><u>Borehole:</u> For the year 2016-17, it has been proposed to carry out 02 nos. of borehole up to a cumulative depth of 60 m; whereas none of the boreholes have been drilled.</p> <p><u>Development:</u> In the approved Scheme of Mining, there was a proposal given for production of Mineral in the year 2016-17 from the central part of the Pit no.2, whereas the production and development was carried out from different locations i.e. north-eastern and eastern part of the Pit no. 2.</p> <p><u>Stacking of Mineral/Ore:</u> In the approved Scheme of Mining, there was no such proposal given for stacking of Mineral/Ore, whereas closing stock for year 2016-17, 39286.00 metric tones of mineral/ore has been stacked at northern part of the lease area near pillar no. 1.</p> <p><u>Afforestation:</u> There was a proposal given for plantation of 150 nos. of plants during 2015-16 to 2017-18, whereas none of the plants have been planted so far.</p> <p><u>Protective Measures:</u> There was a proposal given for construction of Garland drain around the dump bottom to prevent the rolling/flow down of boulders/soil and wash off final material, the same has not been constructed.</p>

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 2015-16.
Rule 27 (2)	An amount equal to the difference between the financial assurance due has not been submitted within ninety days from the date of notification.
Rule 33	Updated print copy of the surface geological plan and sections has not been submitted before 30th day of June for the year 2015-16 and 2016-17.
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 before 1st day of July for the year 2016-17 has not been submitted.
Rule 45 (5) (b) & (c)	<p>मासिक विवरणियाँ : खान की माह अप्रैल 2015 से मासिक विवरणीयाँ 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 2015—16 एवं 2016—17 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>

Shri Shaival Kartikeya
Jr. Mining Geologist
Regional Office, Indian Bureau of Mines
Raipur
Date of Inspection 25/10/2017
(Name of the Inspecting Officer and Designation and Date)