

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of the inspecting officer	J.S. Hada, AMG
2	Date of Inspection	9.9.2017
3	Accompanying mine official	Shri Nishes Kumar Baghel, Mines Manager & Mining Engineer
4	Name of the Mine	Mopar Limestone mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total 13.25 ha Non –forest
3	Minocode	38CHG14018
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/14283/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Kapil Agrawal, C-66, Sector-4, Devendra Nagar, Distt. Raipur, CG Phone no. 0771-4240004, 9826750000 (M) Email:kapilmining@gmail.com, kapil.mining@yahoo.in
6	Village	Mopar
7	Taluka/Mandal	Bhatapara
8	District	Baloda Bazar
9	Pincode	493331
10	State	Chhattisgarh
11	Post office	Mopar
12	Nearest police station	Suhela
13	Nearest Railway station	Bhatapara
14	Date of Grant of Mining Lease	3.10.2002 for 20 years to Shri Sanjay Kumar Sehgal. Transferred to present lessee Shri Kapil Agrawal on 30.12.2011
15	Date of Execution	03.10.2002
16	Date of opening of Mine	03.01.2004
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	NA
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	None
22	Name of the Mines Manager with Address, phone, email, fax	Shri Nishes Kumar Baghel, P.O. Mopar, Distt. Baloda Bazar, CG.

number and date of appointment in mines	Date of Appointment: 01.07.2015
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23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Nishes Kumar Baghel, P.O. Mopar, Distt. Baloda Bazar, CG. Qualification: B.E. (Mining), 2 nd class MMCC Date of Appointment: 01.07.2015
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	16.07.2002
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 on 27.11.2014 for the period: 2014-15 to 2018-19
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 (OTFM)
30	Captive/Non Captive	Non-captive
31	FA	Rs 200000/- valid up to 31.3.2019

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

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposals	G1 – 13.25 ha	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee	Lessee	

1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	NA	
1e	Balance reserves as on 01.04.2017	-	111 – 4875278 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	North central part of the lease	North central part of the lease	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	Not mentioned	NA	
2d	Quantity of topsoil generation in m3	2550	Nil	
2e	Quantity of overburden generation in m3	Nil	NA	
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	1	1	
3b	Quantity of ROM mineral production proposed	2,00,925 t	98,594.67 t	
3c	Recovery of salable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	Nil	NA	
3e	Grade of mineral reject generation and threshold value declared	Threshold value: 34% CaO	Threshold value: 34% CaO	
3f	Quantity of sub-grade mineral generation	No subgrade	No subgrade	
3g	Grade of sub-grade mineral generation	Nil	NA	
3	Manual /	Mechanised	Mechanised	

h	Mechanised method adopted for segregating from ROM			
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	DTH drill	DTH drill	
3k	Provision of mining machineries in mineral benches	Shovel/Excavator/loader/dumper /tipper	Shovel/Dumper combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	0.030 ha	Approx 0.30 ha	
3n	Ore to OB ratio for the pit/mine during the year	Not given	NA	
3o	Total area put in use under different heads at the end of year	Workings – 2.3 ha Dump – 0.5 ha	Workings – 1.3 ha Dump – 0.3 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2016-17: 200925 t 2015-16: 200925 t 2014-15: 192375 t 2013-14: 200212 t 2012-13: 176225 t	2016-17: 98594.67 t 2015-16: 176616.7 t 2014-15: 637 t 2013-14: 0 t 2012-13: 0 t	
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)	Yes	Yes	
b	Location of topsoil, OB & mineral reject dumps	Dump in the south western part of the lease	Dump in the south western part of the lease	
4c	Number of dumps within lease area and outside lease area	One within lease area	One within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dump within UPL	Temporary dump within UPL	
4e	Number of active & alive dumps	One active	One active	
4f	Number of dead dumps	None	NA	
4g	Number of dumps stabilised	Nil	NA	
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	None	NA	
4j	Number of settling ponds	None	NA	
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	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	NA	
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.	Yes	Not submitted	Violation issued
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	None	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	None	NA	

	water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2016-17: 230	2015-16: 375 2016-17: 450 2017-18: 500	Species: Babul Deshi, Neem, Gulmohar, Amla, Neelgiri
6e	Compliance of Environmental monitoring (core zone & buffer zone)		Monitoring of Air, water, and noise being 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	ROM Mineral dispatch	ROM Mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	None	NA	
7c	Different grade of mineral sorted out at mines	None	NA	
7d	Any beneficiation process at mines	None	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)	Yes	Being done	
8b	Concurrent use or storage of topsoil	Yes	Being stored in the south western part of the lease.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Being done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Soil is stacked on the 7.5 m boundary barrier.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Land not yet matured for reclamation.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	2016-17: 230	2015-16: 375 2016-17: 450 2017-18: 500	
8g	Survival rate	75%	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Being done	
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	AR 2015-16, 2016-17 submitted online. MR being 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: Shri Nishes Kumar Baghel, B.E. Mining	Mining Engineer: Shri Nishes Kumar Baghel, B.E. Mining	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Workings : 0.030 ha PMCP: 1.1 ha	Workings : 0.030 ha PMCP (Plantation): 1.1 ha	
9d	Scrutiny of Annual return on afforestation	350 saplings outside the lease area.	350 saplings outside the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject : 0 t	Mineral Reject : 0 t	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock ROM: 0 t	Closing stock ROM: 0 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production: Rs 264.91 Sale Value: 26398723.00 Ex-mine price: 267.75	Cost of production: Rs 264.91 Sale Value: 26398723.00 Ex-mine price: 267.75	
9i	Scrutiny of Annual return on fixed assets	Value of fixed assets: Rs 1105550/-	Value of fixed assets: Rs 1105550/-	

9k	Scrutiny of Annual return on mining machineries	Backhoe: 1 Tipper: 2 Air Compressor: 2	Backhoe: 1 Tipper: 2 Air Compressor: 2	

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

No outstanding violation. During the present inspection, violation of Rule 26 (2), and 27 (2) has been issued to the lessee.

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
26(2)	Yearly report before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved mine closure plan, has not been submitted to competent authorities.
27 (2)	The difference of Financial assurance as required under Rule 27 (1), and Financial assurance already submitted by you, has not been submitted to the authorized officer in the form of a bank guarantee within 90days from 28 Th February 2017.

(J.S.Hada)
Assistant Mining Geologist