

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	Lessee and Mining Engineer Shri K.L. Sharma
4	Name of the Mine	Bitkuli
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total 0.947 ha Non -forest land
6	Minecode	38CHG14010
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4989/2011
8	Name of the lessee, Address, phone, email and fax number	Shri Khem Lal Verma, Teacher's Colony, Near Children Garden, Bajrang Ward no. 5, P.O. Tilda, Distt. Raipur, CG 493 114 Phone no. 07726-286220 (o), 9753152650, 9669399652 Email: hitech_ashok@yahoo.com,
9	Village	Bitkuli
10	Taluka/Mandal	Simga
11	District	Balodabazar
12	Pincode	493 114
13	State	Chhattisgarh
14	Post office	Suhela
15	Nearest police station	-
16	Nearest Railway station	Tilda
17	Date of Grant of Mining Lease	6.6.1997 to 5.6.2017, the lease has been declared as lapsed vide state govt letter no. F.6-29/2007/12 dated 23-11-2017.
18	Date of Execution	-
19	Date of opening of Mine	1.7.2003
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	None
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	None
26	Name of the Mining Engineer,	None

	Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	NA
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	19.09.1996
29	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 27.4.2015, Scheme Period 2012-13 to 2016-17, Proposals for 2015-16 to 2016-17 only.
30	Mineral(s) granted in lease and proved for mining	Limestone
31	Method of Mining(Open cast, Underground)	Open cast
32	Category (Fully Mechanised, Others or Manual)	Category A
33	Captive/Non Captive	Non Captive
34	FA	Rs 200000/- valid till 05-06-2017,

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

Exploration: As per SOM approved on 27.4.2015

SN	Item	Proposed	Actual	
1a	Backlog of previous year	Nil	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	G1- 0.947 ha, upto 237 mRL	
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 – 4,09,937 222 – 3,61,888	
1f	General remarks of inspecting officer on geology, exploration etc.	SOM period expired in 2016-17. There is no valid mining plan for 2017-18.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Central part of the lease area	Central part of the lease area	
2b	Separate benches in topsoil, overburden and mineral	Separate benches in top soil, OB,	Negligible top soil, hence benches in	

	(Rule 15)	mineral	mineral only	
2c	Stripping ratio or ore to OB ratio	Not mentioned	-	Negligible OB/Top soil
2d	Quantity of topsoil generation in m3	0	0	
2e	Quantity of overburden generation in m3	0	0	
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	31500 t (2016-17)	None	
3c	Recovery of salable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral reject generation and threshold value declared	Threshold – 34 % CaO	-	
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	NA	NA	
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	Elgi- 450 cfm, Atlas Copco- 34mm dia	Mine not working	
3k	Provision of mining machineries in mineral benches	Excavator (Tata Hitachi 300HP), Dumper	Mine not working	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-	NA	
3m	Total area covered under excavation/pits	0.633 ha	Approx 0.12 ha	
3n	Ore to OB ratio for the pit/mine during the year	-	Mine not working	
3o	Total area put in use under different heads at the end of year	Workings -0.633 ha Dump – 0.056 ha Infrastructure- 0.011ha	Workings -0.12 ha Dump – 0 ha	

		Roads – 0.028 ha Others – 0.056 ha		
3p	Production of ROM mineral during last five-year period, as applicable	2016-17: 31500 2015-16: 31500 2014-15: 31500 2013-14: No proposal	AR not submitted	Violation issued
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)	Nil	NA	
b	Location of topsoil, OB & mineral reject dumps	Top Soil & waste dumps on the 7.5m boundary barrier.	None	
4c	Number of dumps within lease area and outside lease area	One, within lease boundary	One, within lease boundary	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	1	Nil	
4e	Number of active & alive dumps	One	Nil	
4f	Number of dead dumps	None	None	
4g	Number of dumps stabilised	None	None	
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 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	-	Nil	Mine not working

	should be given in the format as given in Annexure-20.			
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 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	100 saplings per year	25 plants	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Nil	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive	State govt vide letter no. F.6-29/2007/12 dated 23.11.2017 declared the lease as 'lapse' due to non operation for continuous two years.		

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	None	NA	
7d	Any beneficiation process at mines	None	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation	Nil		

	issues	
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8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Nil	Mine not working
8b	Concurrent use or storage of topsoil	Yes	Nil	Mine not working
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Nil	Mine not working
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100	25 plants	
8g	Survival rate	Nil	NA	
8h	Water sprinkling on roads to control airborne dust	Proposed	Nil	Mine not working
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 2016-17: Not submitted online MR: Not submitted online	Violation issued

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	Not submitted	NA	The state govt has declared the lease as 'lapse' in November 2017
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	-	
9d	Scrutiny of Annual return on afforestation	-	-	

9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	-	-	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	-	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	-	-	
9i	Scrutiny of Annual return on fixed assets	-	-	
9k	Scrutiny of Annual return on mining machineries	-	-	

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

For violation of Rule 11(1) & (4), 45(5) (b) & (c), a violation letter issued to the lessee on 06.11.2017:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
11(1)	Mining operations in the mine are being carried out without having valid approved mining plan/review of mining plan.
11(4)	Review of Mining Plan has not been submitted to competent authority 180 days before expiry of five year period for which it was approved on 27.4.2015 for mining operations for a period of five subsequent years.
45(5)(ख)	खान की मासिक विवरणियाँ वर्ष 2016-17 एवं 2017-18 ऑनलाइन प्रस्तुत नहीं की जा रही हैं।
45(5)(ग)	खान की वार्षिक विवरणी वर्ष 2016-17 ऑनलाइन प्रस्तुत नहीं की जा रही है।

(J.S. Hada)
Assistant Mining Geologist