MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name & Designation of the inspecting officer	J.S. Hada Assistant Mining Geologist
2	Date of Inspection	14.12.2017
3	Accompanying mine personnel	1. Shri Bimal Kumar Seksaria, Mine owner 2.Shri Ashish Kumar Seksaria, son of Mine owner
4	Name of the Mine	Amti Moulding Sand Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.047 ha
6	Minecode	42CHG05002
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9935/2012
8	Name of the lessee, Address, phone, email and fax number	Shri Bimal Kumar Seksaria, Ram Dev Mandir, Ward no. 36, Ganjpara, Post-Durg, Chhattisgarh 491 001
9	Village	Amti
10	Taluka/Mandal	Durg
11	District	Durg
12	Pincode	491 001
13	State	Chhattisgarh
14	Post office	Anda 491 221
15	Nearest police station	Nikum
16	Nearest Railway station	Risam
17	Date of Grant of Mining Lease	3-4-1995
18	Date of Execution	3-4-1995
19	Date of opening of Mine	16-4-1999
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	NA
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	-
26	Name of the Mining Engineer, 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.	-
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	15.3.1994
29	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Modified MP: 19.10.2016 for 2016-17 to 2019-20
30	Mineral(s) granted in lease and proved for mining	Moulding Sand
31	Method of Mining(Opencast, Underground)	opencast
32	Category (Fully Mechanised, Others or Manual)	Category A
33	Captive/Non Captive	Non-captive
34	EC for ROM Prod: Date of Issue:	28000 t
35	FA amount Rs Valid up to:	2,00,000/- 31.12.2020

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

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	NA	NA	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserves as on 01.04.2016		136850 t	
1f	General remarks of inspecting officer on geology, exploration etc.	None		

2.0 <u>Development</u>

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	00 to S300 W50 to E150	00 to S300 W50 to E150	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	One bench in ore	One bench in ore	
2c	Stripping ratio or ore to OB ratio	No top soil/OB	No top soil/OB	

2d	Quantity of topsoil generation in m3	NA	NA	
2e	Quantity of overburden generation in m3	NA	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	None		

3.0 Exploitation

	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2016-17: 28000 t		
3c	Recovery of salable/usable mineral from ROM production			
3d	Quantity of mineral reject generation	Negligible	NA	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
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	No need of segregation	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	None	NA	
3k	Provision of mining machineries in mineral benches	Excavator 1m^3 bucket capacity Dumper/Tipper 10t	-	-
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	1.4 ha	1.4 ha	
3n	Ore to OB ratio for the pit/mine during the year	NA	NA	
3o	Total area put in use under different heads at the end of year	Pit-1.4 ha Road .030 ha	Pit-1.4 ha Road .030 ha	

3p	Production of ROM mineral during last five-year period, as applicable	2012-13: 32,000 2013-14: 32,000 2014-15: 32,000 2015-16: None 2016-17:28,000t	2012-13: Nil 2013-14: Nil 2014-15: Nil 2015-16: Nil 2016-17: 150 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)	None	NA	
b	Location of topsoil, OB & mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside lease area	None	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	NA	NA	
4f	Number of dead dumps	NA	NA	
4g	Number of dumps stabilished	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	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	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	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.	None	NA	

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	None	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	None proposed	NA	
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 dispatch	ROM dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	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)	None	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	

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 41)	NA	NA	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	NA	NA	
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	MR: submitted online AR: 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	NA	NA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NA	
9d	Scrutiny of Annual return on afforestation	NA	NA	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NA	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	NA	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NA	NA	
9i	Scrutiny of Annual return on fixed assets	NA	NA	
9k	Scrutiny of Annual return on mining machineries	NA	NA	

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

No outstanding violation. During the current inspection violation of following rules were observed and violation letter issued to the lessee on 27.12.2017:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
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 90 days from 28 February 2017.
45(5)(ख)	Following deficiencies were observed in the monthly return for October 2017: Part II, Section 1: Production proposals have not been filled-up.
45(5)(ग)	खान की वार्षिक विवरणी वर्ष 2016–17 ऑनलाइन प्रस्तुत नहीं की गइ है।

(J. S. Hada)
Assistant Mining Geologist