

## File No.- CHG/DRG/M.SAND-2/RPR

### MCDR INSPECTION REPORT

#### 1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting officer & designation & accompanying person	Arun Kumar Gadatia, Assistant Mining Engineer, Indian Bureau of Mines, Raipur by Shri Mahendra Kumar Seksaria.
2	Date of inspection	08/12/2021
3	Name of the Mine	Karhidih Moulding Sand Mine.
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area – 4.047 Ha. (Non-Forest Govt Land)
5	Mine Code	42CHG05001
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/710130/2012
7	Name of the lessee, Address, phone, email and fax number	Shri Mahendra Kumar Seksaria, Ward No. 36, Ganjpara, AT & PO- Durg, Dist. Durg(C.G.) Mobile No- 06263131003 Email id- mkseksaria@gmail.com
8	Village	Karhidih
8	Taluka/Mandal/ District	Durg, District- Durg
10	State	Chhattisgarh
11	Post office & PIN	Durg, PIN- 491001
12	Nearest police station	Ganjpara
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	06/04/1995
15	Date of Execution	06.04.1995 to 05.04.2015 ,Supplimentary lease deed under Section 8A of MMDR(Amendment),2015 executed upto 05.04.2045.
16	Date of opening of Mine	24/04/1995
17	Date of first Renewal, if applicable and its period & expiry	Supplimentary lease deed under Section 8A of MMDR(Amendment),2015 executed upto 05.04.2045.
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not Applicable.
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not Applicable.
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	No Mines Manager.

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	No Mining Engineer.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	No.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Date of Approval of Review of Mining Plan vide letter No. DRG/M.SAND/MPLN-1231/2019- Raipur dated 04/03/2020 For Period – 2020-21 to 2024-25.  Date of Modification in Approved of Mining Plan vide letter No. DRG/M.SAND/MPLN-306/NGP/2016/35- Raipur dated 23/08/2016 For Period – 2016-17 to 2019-20.  Specific condition:- General condition has been given in approval letter.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not Applicable.
27	Mineral(s) granted in lease and proved for mining	Moulding Sand.
28	Method of Mining(Opencast, Underground)	Opencast Mining under 'B' Category (Manual)
29	Category (Fully Mechanised, Others or Manual)	'B' Category (Manual),
30	Captive/Non Captive	Non Captive
31	Existing EC Limit and validity	32000 Tonne per annum
32	Status of Financial Assurance as per rule 27 of MCDR, 2017	FA amount of 5,00,000 (Five Lakh) submitted as per rule and valid upto 31/03/2025

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	No proposal	Not carried out.	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Not carried out.	Not proposed during period 2020-21
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Applicable	Not Applicable	NA

1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Applicable	Not Applicable	
1e	Balance reserves as on 01.04.2021 (in Tonnes)	74400 tonne	300 tonne	74100 tonne
1f	General remarks of inspecting officer on geology, exploration etc.	No exploration was carried out but for estimation of reserve 2m thickness of moulding sand is considered.		

## **2.0 Development**

SN	Item	Proposals	Actual work	
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	From southern to centre	Actually done.	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No such development & production from river bed side.		

## **3.0 Exploitation**

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One pit	No pit	Due to pit is being refilled during rainy season.
3b	Quantity of ROM mineral production proposed	12500 Tonne	300 Tonne	
3c	Recovery of saleable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out	Not applicable	Not applicable	

	for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	No drilling and blasting proposed.	Nil	Not observed.
3k	Provision of mining machineries in mineral benches	Not applicable	Not applicable	No mining machineries observed .
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of Mineral – 2.0M.	1.0 mtr	
3m	Total area covered under excavation/pits	Not mentioned specifically year wise	As per proposal	
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	
3o	Total area put in use under different heads at the end of year	Not mentioned specifically year wise	As per proposal	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Year- 2016-17: <b>16000T</b> Year- 2017-18: <b>16000T</b> Year- 2018-19: <b>16000T</b> Year- 2019-20: <b>16000T</b> Year- 2020-21: <b>12500T</b>	Year- 2016-17: <b>3562.670T</b> Year- 2017-18: <b>5266.370T</b> Year- 2018-19: <b>8222.220 T</b> Year- 2019-20: <b>2939.220 T</b> Year- 2020-21: <b>300 T</b>	
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is opencast manually and it is as per proposal. The transportation is carried out by using tipper.		

#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Nil	Nil	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	No proposal	Nil	
4c	Number of dumps within lease area and out side lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	No proposal	Nil	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	

4g	Number of dumps stabilised	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not Applicable	Not Applicable	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management.	No major dump observed.		

### **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	Not Applicable	
5b	Area under backfilling of mined out area	Not proposed	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Not proposed	Not Applicable	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not Applicable	The sand is collection from flowing water body.
5e	General remarks of inspecting officer on backfilling, reclamation etc	There are some plantations done above the river bed level.		

### **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.	Yes	Not submitted forv the year 2020-21.	Violation 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	Nil	Nil	

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	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not Applicable	Not Applicable	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil		

### **7.0 Mineral Conservation**

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed	Not Applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not Applicable	
7c	Different grade of mineral sorted out at mines	Not proposed	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The river bed sand directly used and no beneficiation activity within lease area, therefore no wastage and nearly 100% recovery of river sand.		

### **8.0 Environment**

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Not Applicable	Not Applicable	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Not Applicable	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Not Applicable	Not Applicable	
8g	Survival rate	Not Applicable	Not Applicable	
8h	Water sprinkling on roads to control airborne dust	Not Applicable	Not Applicable	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No adverse impact observed during mine visit as the river/lease is filled with water and no mining activity going on.		

### **9.0 Compliance of Rule 45**

S. N.	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	Monthly Return is Submitted upto– February 2022 Annual Return is submitted upto- 2020-21		Submitted in Time.
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	Part –time Mining Engineer & Geologist appointed.	No information regarding Mining Engineer, Manager & Geologist.	Violation pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Road- 0.1 Ha	The lease is granted in river bed and mostly the sand is excavated from river and the edge of river bed road is made for approach.	
9d	Scrutiny of Annual return on afforestation	Within lease - Nil		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock- 300 Tonne	Grade not mentioned.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex mine price – Rs 283/- Cost of production - Rs 200/-		
9i	Scrutiny of Annual return on fixed assets	Nil		

9k	Scrutiny of Annual return on mining machineries	Manual method of mining.	Manual Working	No Machineries required.
----	---	--------------------------	----------------	--------------------------

**Details of compliance position of earlier violation pointed out:-** The earlier violation Rule 55 not complied.

**Date of last inspection, Name and Designation of the inspecting Officer:**

Shri Rajesh Kumar Das, Deputy Controller of Mines on 30.01.2020

**During Present inspection violation pointed out under Rule 11(1) of MCDR, 2017.**

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
26(2)	The holder of mining lease shall submit to the competent authority 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 as envisaged in the approved mine closure plan, and if there is any deviation, reasons thereof, <b>but the same not submitted for the year 2020-21 till date.</b>
55	For the purpose of carrying out reconnaissance, prospecting or mining operations in accordance with these rules,— 3. every holder of a mining lease shall employ, in case of— (iv) category 'B' mines, a part-time mining engineer and a part-time geologist: <b>But it was observed that part-time Mining Engineer &amp; Geologist not appointed.</b>

(Name of the inspecting Officer)

**Arun Kumar Gadatia**  
Asstt. Mining Engineer  
Raipur Regional office