

MCDR INSPECTION REPORT

General:

Sl .No.	Particulars	Details
1	Name of the Mine	karidih Moulding Sand Mine
2	Date of Inspection:	28/12/2023
3	Name of Inspecting Officer & Designation	Soumallya Roy, AME
4	Name of official accompanying inspection	Shri Ashish Kumar Seksaria, son of Mine owner
5	Last date of Inspection & Officer	18/03/2023, Shri Soumallya Roy, AME
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land- 4.047 ha.
7	Mine code	42CHG05001
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/10130/2012
9	Name of the Lease, Address, Phone, email and fax number	Shri Bimal Kumar Seksaria, Ram Dev Mandir, Ward no. 36, Ganjpara, Post-Durg, Chhattisgarh 491 001 Bksdurg9@gamil.com, 9424100211
10	Village	Karhidih
11	Taluka/Mandal	Durg
12	District	Durg
13	Pin code	491 001
14	State	Chhattisgarh
15	Post Office	Durg- 491 001
16	Nearest Police Station	Ganjpara
17	Nearest Railway Station	Durg
18	Date of Grant of Mining Lease	6-4-1995
19	Date of Execution	6-4-1995
20	Weekly day of rest	Sunday
21	Date of opening of Mine	20-4-1995
22	Date of First Renewal, if applicable and its period & expiry	As per section 8A of MMDR Amendment Act, 2015 the lease period has been extended up to 50 years.
23	Date of Second Renewal, if applicable and its period & expiry	NA
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	NA
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. Lokesh Chandra Kurre, Degree in Mining
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of MCDR 2017..	Shri Amit Kashyap, Geologist .

30	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. DRG/MS/MPLN-306/NGP, dated 15/03/1994
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter no. DRG/M.SAND/MPLN-1231/2019-Raipur dated 04/03/2020 Proposal Period: 2020-21 to 2024-25
32	Mineral(s) granted in lease and approved for Mining	Moulding Sand
33	Method of Mining (Opencast, Underground)	Open Cast
34	Category (Fully Mechanized, Others or Manual)	Category "B" (Manual Mine)
35	Captive/Non-Captive	Non Captive
36	Present EC Status	32000 T
37	Status of Financial Assurance	Bank Guarantee of Rs.5,00,000/- valid up to 31/03/2025

**Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:
1.0 Exploration:**

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
1a	Backlog of previous year Proposals	Not proposed	Not applicable	Entire lease area is explored under G2 level.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Not applicable	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	Not applicable	
1e	Balance reserves as on 01.04.2022	Under (122):62,800 Tonnes, Under (222):11600 Tonnes		As per RMP approved dated 07.11.2020.
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area is explored under G2 level.		

2.0 Development:

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
2a	Location of Development w.r.t. lease area	E-528926 to E-529228 N-2348084 to N-2348165	Work done as per proposal	The moulding sand gets refilled in the mined out area in Monsoon season every year by transportation of river current.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Not proposed	Not applicable	
2c	Stripping ratio or ore to OB ratio	Not proposed	Not applicable	
2d	Quantity of topsoil generation in m3	Not proposed	Not applicable	
2e	Quantity of overburden generation in m3	Not proposed	Not applicable	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current. There is no top soil and OB generation.		

3.0 Exploitation:

S.N	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	01 Pit	01 Pit	01 Pit as per proposal.

3b	Quantity of ROM mineral production proposed	12500 T	9500 T	Low production due to poor market demand.
3c	Recovery of Salable/usable mineral from ROM production.	12500 T	100 %	
3d	Quantity of mineral reject generation.	Not proposed	Not applicable	
3e	Grade of mineral reject generation and threshold value declared.	Not proposed	Not applicable	
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable	
3g	Grade of sub-grade mineral generation.	Not proposed	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM.	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	Not proposed	Not applicable	
3j	Provision of drilling & blasting in mineral benches.	Not proposed	Not applicable	
3k	Provision of mining machineries in mineral benches	Tripper	Tripper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not proposed	Not applicable	There is no top soil and OB generation. The moulding sand gets refilled in the mined out area in Monsoon season every year by transportation of river current.
3m	Total area covered under excavation /pits	2.0 Ha during plan period.	About 2.0 Ha. covered under pits	
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	2.10Ha during plan period.	About 2.0Ha. covered under pits	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	16000 T (2018-19)	8222.220 T	
		16000 T (2019-20)	2939.220 T	
		12500 T (2020-21)	300 T	
		12500 T (2021-22)	7966 T	
		12500 T (2022-23)	9500 T	
3q	General remarks of inspecting officer on method of mining etc	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed	Nil	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Nil	
4c	Number of Dumps within lease area and outside lease area	Not proposed	Nil	

4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Nil	Monsoon season every year by transportation of river current.
4e	Number of Active & Alive dumps	Not proposed	Nil	
4f	Number of dead dumps	Not proposed	Nil	
4g	Number of dumps established	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific commends of inspecting officer on waste dump management	The lease area is in the bed of Shivnath river and moulding sand is directly loaded from the river bed. There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Nil	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.		

6.0 Progressive Mine Closer Plan:

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly- Rule 26 (2)	As per provision of MCDR 2017.	The annual report on PMCP is submitted.	The annual report on PMCP is submitted.
6b	Management of worked/mined out benches	Not proposed	Nil	
	Area available for rehabilitation (Ha)	Not proposed	Nil	
	Afforestation done (ha)	-	-	
	No. of saplings planted during the year	Not proposed	50	refilled in the mined out area in Monsoon
	Cumulative no. of plants	Not proposed	Nil	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.
	Any other specific method of rehabilitation	Not proposed	Nil	
	Cost incurred on watch & care during the year	Not specified.	Nil	

6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	-	-	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	Not proposed	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environmental monitoring of air, water & noise proposed.	Environmental monitoring of air, water & noise was carried out as per the proposal.	All values of environment monitoring are within permissible limits.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM Mineral dispatch	ROM Mineral dispatch	ROM of moulding sand directly sold to byers without any processing.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	ROM Mineral dispatch	Nil	
7c	Different grade of mineral sort out at mine	ROM Mineral dispatch	Nil	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM of moulding sand directly sold to to byers without any processing.		

8.0 Environment:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
8a.	Separate removal and utilization of topsoil (Rule32)	Not proposed	Nil	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.
8b.	Concurrent use or storage of topsoil	Not proposed	Nil	
8c.	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not proposed	Nil	
8d.	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e.	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f.	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not proposed	Within lease area-50 nos. saplings.	As per the AR 2022-23.
8g.	Survival rate	Not proposed	80	
8h.	Water sprinkling on roads to control airborne dust	Not proposed	Nil	

8i.	General remarks of inspecting officer on aesthetic beauty in and around mine area	There is no top soil and OB generation. The moulding sand get refilled in the mined out area in Monsoon season every year by transportation of river current.
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9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted upto November 2023. AR submitted for 2022-23.		AR & MR submitted regularly.
SN	Item	Details Given in A.R.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining Engineer & Geologist furnished.	Employed	-
9c	Scrutiny of Annual return on afforestation	Within lease area 50, Survival Rate 80%	Within lease area 50, Survival Rate 80%	-
9d	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	-
9e	Scrutiny of Annual return on ROM stock and/or grade ore	ROM: Opening stock- Nil, Production- 9500.00 tonnes Closing stock- Nil	ROM: Opening stock- Nil, Production-9500.00 tonnes Closing stock- Nil	-
9f	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price Rs 327.50 /-	Ex. Mine price Rs 327.50 /-	-
9g	Scrutiny of Annual return on Fixed assets	Nil	Nil	Nil
9h	Scrutiny of Annual return on mining Machineries	Nil	Nil	Nil

10. Details of violations observed during inspection.

No violation observed during inspection.

Signature:
Name: (S. Roy)
Designation: AME

Date: 14.05.2024