

MCDR INSPECTION REPORT

General:

Sl .No.	Particulars	Details
1	Name of the Mine	Bharuadih Limestone Mine
2	Date of Inspection:	30/05/2023
3	Name of Inspecting Officer & Designation	Soumallya Roy, AME
4	Name of official accompanying inspection	Shri Navish Upadhyay, Mine owner
5	Last date of Inspection & Officer	29/12/2021, Shri Rajesh Kumar Das, Sr. ACOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land- 3.11 ha.
7	Mine code	38CHG14014
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/12298/2012
9	Name of the Lease, Address, Phone, email and fax number	Shri Navish Upadhyay, MIG-83,Tatibandh, P.O & District- Raipur (C.G) 492001
10	Village	Bharuadih
11	Taluka/Mandal	Balodabazar
12	District	Balodabazar
13	Pin code	492 001
14	State	Chhattisgarh
15	Post Office	---
16	Nearest Police Station	---
17	Nearest Railway Station	Hathbandh Station
18	Date of Grant of Mining Lease	15-11-2000
19	Date of Execution	15-11-2000
20	Weekly day of rest	Sunday
21	Date of opening of Mine	--
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 i.e upto 14-11-2050.
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	Shri Navish Upadhyay, MIG-83,Tatibandh, P.O & District- Raipur (C.G) 492001
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed.
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed.
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. Hemant Kumar Dewangan,
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of MCDR 2017.	Mr. Kamal Narayan Sahu

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. RAP/LST/MPLN-689/NGP, dated 27/03/2000
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining / Review of Mining plan with five- year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter no. बलोदाबा/चुप/खयो-1310/2021-रायपुर दिनांक 24/02/2022 Proposal Period: 2022-23 to 2026-27
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Open Cast
34	Category (Fully Mechanized, Others or Manual)	Category "A"
35	Captive/Non-Captive	Non Captive
36	Present EC Status	12750 T
37	Status of Financial Assurance	Bank Guarantee of Rs.5,00,000/- valid up to 31/03/2027

**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	Nil	Nil	Entire lease area is explored under G1 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 01.04.2023	As per approved Review of Mining Plan Total Mineral Reserve 576625 Tonnes	Balance reserves as on 01.04.2023: Total Mineral Reserve- 576542 T.	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area is explored under G1 level as per approved review of Mining plan.		

2.0 Development:

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
2a	Location of Development w.r.t. lease area	E-61249.30 -612678.78 N-2390858.00 -2390787.30	Work done as per proposal	Production is less due to lack of demand.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Separate bench present.	
2c	Stripping ratio or ore to OB ratio	1:00.01	Nil	
2d	Quantity of topsoil generation in m3	1070 m3	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The production is less in comparison to proposal due to lack of market demand.		

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	
3b	Quantity of ROM mineral production proposed	25000 T	83 T	Very low production due to poor market demand.
3c	Recovery of Salable/usable mineral from ROM production.	98 %	100 %.	
3d	Quantity of mineral reject generation.	Nil	No mineral reject generation.	There is no top soil and OB generation.
3e	Grade of mineral reject generation and threshold value declared.	-	Not applicable	
3f	Quantity of sub-grade mineral generation	Nil	Not applicable	
3g	Grade of sub-grade mineral generation.	Nil	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.	Proposed	As proposed	
3k	Provision of mining machineries in mineral benches	Dumper, excavator, Jackhammer	As proposed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral bench height- 3 m and bench width – more than 3.0 m	As proposed	There is no top soil and OB generation. Development is less due to poor market demand.
3m	Total area covered under excavation /pits	1.97 Ha during plan period.	Approx 1.97Ha. covered under pits.	
3n	Ore to OB ratio for the pit/mine during the year	1:00.01	Nil	
3o	Total area put in use under different heads at the end of year	2.448 Ha	Approx 1.97 Ha. covered under pits.	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	12750 T (2018-19)	86 T (2018-19)	
		12750 T (2019-20)	0 T (2019-20)	
		12750 T (2020-21)	0 T (2020-21)	
		12500 T (2021-22)	92 T (2021-22)	
		25000 T (2022-23)	83 T (2022-23)	
3q	General remarks of inspecting officer on method of mining etc	There is no top soil and OB generation..		

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)	Separate dumping of waste and topsoil proposed.	NA	There is no top soil and OB generation.

4b	Location of topsoil, OB & mineral reject dumps	Proposed location of waste dump- E612637.61, N 2390881 and topsoil stack location E612511.99, N 2390763.43	NA	
4c	Number of Dumps within lease area and outside lease area	Old waste dump – WD-1 TO WD-5 (Within lease area)	Old waste dump – WD-1 TO WD-5 (Within lease area)	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within lease area	Within lease area	
4e	Number of Active & Alive dumps	One	Nil	
4f	Number of dead dumps	W1 to W5	Observed	
4g	Number of dumps established	Not proposed	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Observed	
4i	Length of Retaining wall or garland drain all along dump	i) Retaining wall length-82 m, 38 m & 35 m ii) Garland drain length- 102 m	Almost as per proposal.	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management			

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. Area is not matured for reclamation and rehabilitation. No area is mined out.
5b	Area under backfilling of mined out area	0.083 Ha. In plan period	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.		

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.	
6b	Management of worked/mined out benches	Not proposed	Nil	There is no top soil and OB generation.
	Area available for rehabilitation (Ha)	Not proposed	Nil	
	Afforestation done (ha)	Not proposed	Nil	
	No. of saplings planted during the year	Not proposed	Nil	
	Cumulative no. of plants	Not proposed	Nil	

	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	Rehabilitation by making water reservoir- 0.010 Ha.	No area is mined out.	
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)	Not specified.	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	There is no top soil and OB generation.		

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 after crushing.	ROM material is sent to the crusher for further sizing and then send to the buyer.	The production is less in comparison to proposal due to lack of market demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	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	The production is less in comparison to proposal due to lack of market demand.		

8.0 Environment:

S.N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
8a.	Separate removal and utilization of topsoil (Rule32)	Topsoil proposed for stack.	Nil	There is no top soil and OB generation.
8b.	Concurrent use or storage of topsoil	Not proposed	Nil	
8c.	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate waste dump proposed.	Nil	
8d.	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e.	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	

8f.	Baseline information on existence of plantation & additional plantation done (Rule 41)	125 No.	150 no.	
8g.	Survival rate	80%	40%	
8h.	Water sprinkling on roads to control airborne dust	proposed	Observed.	
8i.	General remarks of inspecting officer on aesthetic beauty in and around mine area	There is no top soil and OB generation.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	AR & MR submitted regularly.		AR & MR submitted regularly.
SN	Item	Details Given in A.R.	Observation of I/Officer	
9a	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	Mining Engineer & Geologist	
9b	Scrutiny of Annual return on afforestation	-	150 No.	
9c	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	-	Nil	As per AR
9d	Scrutiny of Annual return on ROM stock and/or grade ore	-	ROM closing stock- 8037.090 t	
9e	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	-	Ex. Mine price Rs 242.34 /-	
9f	Scrutiny of Annual return on Fixed assets	-	Rs. 3125000/-	
9g	Scrutiny of Annual return on mining Machineries	-	CRUSHER, JEEP/TRACTOR	

10- Details of violations observed during inspection- Nil

Date: 26/09/2023

Signature:

Name: (S. Roy)

Designation: AME