

**MCDR INSPECTION REPORT****1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	<b>Rajesh Kumar Das, Sr. ACOM,</b> Indian Bureau of Mines, Raipur
2	Accompanying Mine Official with Designation	Shri Manoj Sharma, Owner's representative & Shri Arvind Singh, QP
3	Date of inspection	<b>29.12.2021</b>
4	Name of the Mine	Bharuadih Limestone mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.11 ha. (No Forest Govt. Land)
6	Mine Code	38CHG14014
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/12298/2012
8	Name of the lessee, Address, phone, email and fax number	Shri Navish Upadhyay, MIG-83, Tatibandh, P.O. & Dist.- Raipur (C.G.)-492001, E-mail- manojsharma.jsc@gmail.com, mob:9826706000
9	Village	Bharuadih
10	Taluka / Mandal / District	Baloda Bazar
11	State	Chhattisgarh
12	Post office & PIN	
13	Nearest police station	Baloda Bazar
14	Nearest Railway station	Hathbandh
15	Date of Grant of Mining Lease	15.11.2000
16	Date of Execution	23.10.2000
17	Date of opening of Mine	
18	Date of first Renewal, if applicable and its period & expiry	NA
19	Date of second Renewal, if applicable and its period & expiry	NA
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA

21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	No information regarding appointment of Manager
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	No Mining Engineer
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	No Geologist.
26	Date of Approval of Mining Plan/Modified/ Review of Mining Plan with five-year period and specific condition, if any.	Mining Plan Vide letter No.RAP/LST/MPLN-689/NGP dated 27.03.2000, for the period 2002-03 to 2006-07
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Modified Mining Plan dated 18.09.2017 for the period 2017-18 to 2021-22
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining(Opencast, Underground)	Opencast
30	Category (Fully Mechanised, Others or Manual)	Manual
31	Captive/Non Captive	Non Captive
32	Existing EC Limit and validity	EC granted 24.05.2010 to Life of Mine, Consent to operate from 27.10.2020 to 31.10.2025
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs 5 Lakh BG, Validity upto 04.09.2022

Scientific Mining: 2020-21

Compliance of proposals of approved mining plan/scheme of mining. –

**1.0 Exploration (2020-21)**

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year (2019-20)	Nil	Nil	Mine was reported non-working due to

				not having valid EC.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	2020-21 no exploration proposal.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2021 (in Tonnes)	514472	569931	
1f	General remarks of inspecting officer on geology, exploration etc.	Reserve is proved upto 30 meter depth by drilled 3 bore holes but in 2017-18 one bore hole of 50 m proposed to be drilled to delineate the ore body upto 50 meter but still not drilled. .		

### **2.0 Development (2020-21)**

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	E10-E70 toS20-N20	NA	Development is nil
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Yes proposed top 0.5m top soil,0.5m OB & 2.0m Mineral	NA	Waste generation is nil
2c	Stripping ratio or ore to OB ratio (T/m <sup>3</sup> )	1:0.020	NA	
2d	Quantity of topsoil generation in m <sup>3</sup>	675	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine was reported non-working due to not having valid EC.		

### **3.0 Exploitation (2020-21)**

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	one	NA	
3b	Quantity of ROM mineral production proposed(MT)	12750	Nil	
3c	Recovery of salable/usable mineral from ROM production	98%	NA	
3d	Quantity of mineral reject generation (Cum)	102	Nil	
3e	Grade of mineral reject generation and threshold value declared	Below threshold	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Drill m/c of 65mm dia & 34mm dia hole.	NA	
3k	Provision of mining machineries in mineral benches	Manual working	Mine is non-working	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes proposal given of 2 meter bench height in mineral.	NA	
3m	Total area covered under excavation/pits	1.977ha (cumulative till 2022)	From last two years 2019-20 & 2020-21 mine reported non-working.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.020	NA	
3o	Total area put in use under different heads at the end of year	2.224ha (cumulative till 2022)	5.28 ha. For mining pit,0.134 ha. Roads.	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	2016-17: 12750 tons 2017-18: 12750 tons 2018-19: 12750 tons 2019-20: 12750 tons 2020-21: 12750 tons	2016-17: 6690 tons 2017-18: 1515 tons 2018-19: 86 tons 2019-20: 00 tons 2020-21: 00 tons	
3q	General remarks of inspecting officer on method of mining etc.	Mine was reported non-working due to not having valid EC.		

#### **4.0 Solid Waste Management-Dumping (2020-21)**

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Only waste dumping proposal, top soil proposal for used in afforestation.	NA	No waste generation
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Only waste dump proposed in southern part of lease area.	NA	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	NA	NA	
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	Nil	Nil	No major dump

	are there			observed during mine visit.
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 on waste Dump Management	No comments as no waste generation.		

### **5.0 Solid Waste Management-Backfilling (2020-21)**

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NA	NA	No top soil generation
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mine was reported non-working due to not having valid EC.		

### **6.0 Progressive Mine Closure Plan (2020-21)**

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.	To be submitted on or before 1 <sup>st</sup> July,2021	Not submitted	Mine was reported non-working due to no EC.
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	Nil	Nil	

	backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	120 nos saplings	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Annual report on PMCP under Rule 23 of MCDR,2017 in the format not submitted		

**7.0 Mineral Conservation (2020-21)**

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	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	Mine was reported non-working due to no EC.		

**8.0 Environment (2020-21)**

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Concurrent use for afforestation	Not done	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	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	NA	NA	

	affected by mining operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	5000 nos plantation	1690 nos reported	
8g	Survival rate	Not mentioned	70%	
8h	Water sprinkling on roads to control airborne dust	proposed	Mine is non working in 2020-21 due to not having EC.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	No Comments		

**9.0 Compliance of Rule 45 (2020-21)**

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	Annual return upto 2020-21 submitted & MR upto	

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	Mining Engineer : Shri Hemant Kumar Devangan, Manager Shri Manoj Kumar Sharma	Manager, Mining Engineer, & Geologist not present during mine visit. Shri Manoj kumar Sharma is not mine manager and he is owner's representative.	
	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use for pit 1.093 ha., waste dump 0.25 ha, Infrastructure 0.005 ha.	All the values of land use is mentioned cumulative till date.	
9d	Scrutiny of Annual return on Afforestation	Nil	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	7901 tons		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	sale value Nil , Ex. Mine price Rs & production cost Rs Nil	Mine is non working in 2020-21 due not having EC	
9i	Scrutiny of Annual return on fixed assets	Nil	No machineries or equipment observed during mine visit except Crusher.	

9k	Scrutiny of Annual return on mining machineries	Only Crusher		
----	---	--------------	--	--

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

The earlier violation kept in abeyance as the mine is reported non-working. The mine inspection is carried out for processing of Review of Mining Plan during present inspection Rule 26,45 & 55 found violated.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)