

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	Rajesh Kumar Das, Sr. ACOM, Indian Bureau of Mines, Raipur
2	Accompanying Mine Official with Designation	Shri Kedar Agrawal, Mine Owner
3	Date of inspection	28.12.2021
4	Name of the Mine	Pathrakundi Limestone mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	9.716 ha.(Govt. Land)
6	Mine Code	38CHG14011
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4565/2011
8	Name of the lessee, Address, phone, email and fax number	Shri Kedar Agrawal,C-66,Sector-4,Devendra Nagar,Raipur(C.G.)-492004,E-mail-kapilmining@gmail.com
9	Village	Patrakundi
10	Taluka / Mandal / District	Kharora
11	State	Chhattisgarh
12	Post office & PIN	
13	Nearest police station	Kharora
14	Nearest Railway station	Tilda
15	Date of Grant of Mining Lease	17.11.2000
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 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 appointed.
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-655/NGP, 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 24.01.2019 for the period 2018-19 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)	Others
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	

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)	05	Nil	Mines is under temporary discontinuous

1b	Exploration over lease area for Geological axis 1 or 2.	9.716 Ha. is proposed under G1	Nil	
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)	2184320	2580550	
1f	General remarks of inspecting officer on geology, exploration etc.	In lease area 3 no bore holes drilled of total meterage of 81 meter. The lease area is mostly covered by outcrops, avg. thickness of top soil is considered as 0.5 m. The Limestone is purple grey to Chocolate pink in colour, compact, massive and fine grained.		

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)	E200-E300 to N300-N200	NA	Development is negligible w.r.t. proposal.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	NA	NA	Waste generation is nil
2c	Stripping ratio or ore to OB ratio (T/m ³)	NA	NA	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The Development is negligible as there is no proposal of top and waste removal.		

3.0 Exploitation (2020-21)

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Two	one	
3b	Quantity of ROM mineral production proposed(MT)	125750	390	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	ROM is dispatch
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral	NA	NA	

	generation			
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
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	Proposal is given for drilling with 100mm dia drill compressed-air-operated wagon drill and blasting will be done with ANFO/SME with cast booster.	Broadly as per proposal done. As mine was worked in very low scale.	
3k	Provision of mining machineries in mineral benches	Yes given hydraulic excavator of 2.1 m3 capacity, rock breaker & 35 tonner dumper	As per proposal machineries used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes proposal given of 5 meter bench height in mineral.	Broadly as per proposal.	
3m	Total area covered under excavation/pits	6.08ha (cumulative till 2022)	5.66 ha.	Production and development is very low w.r.t. proposal.
3n	Ore to OB ratio for the pit/mine during the year	NA	NA	Waste generation Nil.
3o	Total area put in use under different heads at the end of year	6.080 ha. For mining pit,0.134 ha. Roads,	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)	2017-18: 69500 tons 2018-19: 69500 tons 2019-20: 125500 tons 2020-21: 125750 tons	2017-18: 49980 tons 2018-19: 68700 tons 2019-20: 280 tons 2020-21: 420 tons	
3q	General remarks of inspecting officer on method of mining etc.	The lessee has submitted temporary discontinuous notice and still small quantity of 420 tons production reported last year(2020-21) and dispatch nil.		

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)	NA	NA	No waste generation
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	NA	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 are there	Nil	Nil	No major dump 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	Area not matured for backfilling but part of excavation extended in 7.5 meter safety barrier zone which was back filled.		

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 st July,2021	Not submitted	Mines is under temporary discontinuous from 05.01.2019.
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	Nil	Nil	

	of rehabilitation vi) Cost incurred on watch & care during the year			
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)	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	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	Mine was reported under temporary discontinuance.		

8.0 Environment (2020-21)

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	NA	NA	
8b	Concurrent use or storage of	NA	NA	

	topsoil			
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 affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	2800 nos plantation	1690 nos reported	
8g	Survival rate	Not mentioned	70%	
8h	Water sprinkling on roads to control airborne dust	proposed	During mine visit mine is not operational hence watt	
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	

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 & Manager Shri Sanjay Sopanrao Chinchole	Manager, Mining Engineer, & Geologist not present during mine visit.	
	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	All the values of land use is mentioned as nil.	
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	3986 tons		
9g	Scrutiny of Annual return on sale value, Ex. Mine price &	sale value Nil , Ex. Mine price Rs		

	production cost	235.60/-& production cost Rs 230.37/-		
9i	Scrutiny of Annual return on fixed assets	Rs 3994051/-	No machineries or equipment observed during mine visit.	
9k	Scrutiny of Annual return on mining machineries	Yes given		

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 under temporary discontinuous from 05.01.2019 under rule 28 of MCDR, 2017. The mine inspection is carried out for processing of Review of Mining Plan during present inspection Rule 26 & 29 found violated.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)