

MCDR INSPECTION REPORT

General:

Sl .No.	Particulars	
1	Name of the Mine	Patharia Limestone Mine
2	Date of Inspection:	21.04.2023
3	Name of Inspecting Officer & Designation	Soumallya Roy, AME
4	Name of official accompanying inspection	Mr. Amit Kashyap, Representative from Mine owner
5	Last date of Inspection & Officer	01.10.2019, Mr. R N Mishra, SMG
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	3.47 Ha.(Non-forest Land)
7	Mine code	38CHG05019
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/10030/2011
9	Name of the Lease, Address, Phone, email and fax number	
10	Village	Pathariya
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chattisgarh
15	Nearest Police Station	Nandini Nagar
16	Nearest Railway Station	Bhilai
17	Date of Grant of Mining Lease	2/10/2003
18	Date of Execution	2/10/2003
19	Weekly day of rest	Sunday
20	Date of opening of Mine	2/10/2003
21	Date of First Renewal, if applicable and its period & expiry	25/10/2021, Extension for 50 Years i.e 02/10/2003 to 01/10/2053.
22	Date of Second Renewal, if applicable and its period & expiry	N.A
23	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A
24	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. A K Verma, Address- MIG-11, PADMANABHPUR, Durg-490001, Chattisgarh
25	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not Appointed.
26	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Not Appointed.
27	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Not Appointed.
28	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of MCDR 2017..	Not Appointed.
29	Date of Approval of Mine Plan/Modified Mine Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan approved Vide letter no. DURG/CHUP/KHAYO-665/NAG/11-RAIPUR dated 10/08/2016
30	Date of Approval of 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. DURG/CHUP/KHAYO-1207/2019-RAIPUR dated 27/06/2019 for period 2019-

		20 to 2023-24 till 01.10.2023.
31	Mineral(s) granted in lease and approved for Mining	Limestone
32	Method of Mining (Opencast, Underground)	Opencast
33	Category (Fully Mechanized, Others or Manual)	Category –B, Manual
34	Captive/Non-Captive	Non-Captive
35	Present EC Status	9000.0000 (Tonnes).

**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.	Nil.	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	As per the approved document, total lease area exposed under G2 category.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not furnished in approved document.	Nil.	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Entire lease area covered under G2 category.		
1e	Balance reserves as on 01.04.2022	397299 T		
1f	General remarks of Inspecting officer on geology, exploration etc.	The production is less in comparison to proposal due to lack of market demand.		

2.0 Development:

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
2a	Location of Development w.r.t. lease area	Towards Northern Side	As proposed.	The production is less in comparison to proposal due to lack of market demand.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Bench height in Limestone- 3 m	As proposed.	
2c	Stripping ratio or ore to OB ratio	1:0	Nil	
2d	Quantity of topsoil generation in m3	Nil	No topsoil generated.	
2e	Quantity of overburden generation in m3	Nil	No overburden generated.	
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	01	
3b	Quantity of ROM mineral production proposed	9000 T	12 T	
3c	Recovery of Salable/usable mineral from ROM production.	95%	100 %	

3d	Quantity of mineral reject generation.	2260 T	Nil	No generation of mineral reject.
3e	Grade of mineral reject generation and threshold value declared.	Nil	Nil	No generation of mineral reject.
3f	Quantity of sub-grade mineral generation	Not mentioned	Nil	
3g	Grade of sub-grade mineral generation.	NIL	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM.	Manual	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	Not proposed.	Nil	
3j	Provision of drilling & blasting in mineral benches.	Yes	As proposed.	
3k	Provision of mining machineries in mineral benches	Tipper	As proposed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	The production is less in comparison to proposal due to lack of market demand.
3m	Total area covered under excavation /pits	2.20 Ha.	Approx 2.20 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0	Nil	
3o	Total area put in use under different heads at the end of year	Under pit-2.20 Ha.	Under pit almost 2.20 Ha.	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2018-19: 9000 T	0	
		2019-20: 9000 T	0	
		2020-21: 9000 T	0	
		2021-22: 9 000 T	39 T	
		2022-23 : 9000 T	12 T	
3q	General remarks of inspecting officer on method of mining etc	The production is less in comparison to proposal due to lack of market demand.		

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)	Nil	Nil	No Topsoil/OB/Mineral Reject was generated.
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	
4c	Number of Dumps within lease area and outside lease area	Nil	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of Active & Alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps established	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	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The production is less in comparison to proposal due to lack of market demand		

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	Area is not matured for reclamation and rehabilitation.
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.	No area is mined out and not matured for backfilling.		

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)	Yes	Submitted	
6b	Management of worked/mined out benches	Nil	Nil	
	Area available for rehabilitation (Ha)	Nil	Nil	
	Afforestation done (ha)	Nil	Nil	
	No. of saplings planted during the year	Nil	Nil	
	Cumulative no. of plants	Nil	Nil	
	Any other specific method of rehabilitation	Nil	Nil	
	Cost incurred on watch & care during the year	Nil	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	Not proposed.	Nil	

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)	Yes	As proposed.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	No area is mined out and not matured for backfilling. No mineral reject/ Waste generated during the year.		
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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	No mineral reject generated during the year.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed.	Nil	
7c	Different grade of mineral sort out at mine	Not proposed	Nil	
7d	Any beneficiation process at mines	Not proposed	Nil	
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)	Nil	Nil	There is no top soil and OB generation. Area is not matured for reclamation and rehabilitation.
8b.	Concurrent use or storage of topsoil	Nil	Nil	
8c.	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Nil	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)	300 No. plants	Within lease area- 100 No. Outside lease area- 100 No	Reported in AR 2022-23.
8g.	Survival rate	Not given	Within lease area- 50 Outside lease area- 50	
8h.	Water sprinkling on roads to control airborne dust	Proposed.	Yes.	
8i.	General remarks of inspecting officer on aesthetic beauty in and around mine area	The production is less in comparison to proposal due to lack of market demand.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to March 2023.		
		AR submitted up to for the year 2022-23.		
SN	Item	Details Given in A.R.	Observation of I/Officer	
9a	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of Mining engineer and Geologist not mentioned.	Name of Mining engineer and Geologist not mentioned.	
9b	Scrutiny of Annual return on afforestation	Within lease area-100 No.	observed during inspection.	
9c	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	As per AR.
9d	Scrutiny of Annual return on ROM stock and/or grade ore	ROM closing stock- 2274.000 T	ROM closing stock- 2274.000 T	
9e	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price- Rs. 420/-	Ex. Mine price- Rs. 420/-	
9f	Scrutiny of Annual return on Fixed assets	Nil	Nil	
9g	Scrutiny of Annual return on mining Machineries	Nil.	Nil.	

10- Details of violations observed during inspection.

Violation of Rule 55 pointed out.

Date: 28/11/2023

Signature:

Name: (S. Roy)

Designation: AME