

MCDR INSPECTION REPORT

General:

Sl .No.	Particulars	Details
1	Name of the Mine	Pathrakundi Limestone Mine
2	Date of Inspection:	20/07/2023
3	Name of Inspecting Officer & Designation	Soumallya Roy, AME
4	Name of official accompanying inspection	Shri Avadhesh Jain, Mine owner
5	Last date of Inspection & Officer	18/12/2021, Shri Prasant Kumar Sahu, Asst. Mining Engineer
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land- 7.044 ha.
7	Mine code	38CHG14028
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/12536/2012
9	Name of the Lease, Address, Phone, email and fax number	Shri Avadhesh Jain, Arihant Bhawan, Satti Bzar, Near Bajrang Akhada, Post & District- Raipur, Chattisgarh-492001
10	Village	Pathrakundi
11	Taluka/Mandal	Tilda
12	District	Raipur
13	Pin code	493225
14	State	Chhattisgarh
15	Post Office	Patharakundi
16	Nearest Police Station	Tilda
17	Nearest Railway Station	Tilda
18	Date of Grant of Mining Lease	02/05/2008 to 01/05/2028 (20 Years)
19	Date of Execution	02/05/2008
20	Weekly day of rest	Sunday
21	Date of opening of Mine	05/12/2012
22	Date of First Renewal, if applicable and its period & expiry	Application submitted to the State Govt. for Supplementary lease for extension of the period.
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 Avadhesh Jain, Arihant Bhawan, Satti Bazar, Near Bajrang Akhada, Post & District-Raipur, Chhattisgarh-492001 Email: kasturicementaj@gmail.com Phone No-9301004800
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	Not appointed. In the last four years only 4 T production was reported due to lack of market demand.
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of MCDR 2017.	Not appointed, In the last four years only 4 T production was reported due to lack of market demand.

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-976/NGP Nagpur dated 06/12/2007, Proposal Period: 2008-09 to 2012-13. Modification of Mining Plan approved vide letter no. बिलास/चुप/खयो- 976/नाग/2015/37- रायपुर dated 30.08.2016, Proposal Period: 2016-17 to 2017-18.
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 letter no: Raipur/LST/MPLN-1143/2017-Raipur, dated on 27/04/2018, Proposed period 2018- 19 to 2022-23
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	Status of Financial Assurance	1. Rs. 2,00,000/- (Rupees Two Lakhs Only) vide BG No. 03/2016-17 dated 24/04/2018 valid up to 24/04/2023 2. Rs. 8, 00, 000/- (Rupees Eight Lakhs Only) vide BG No. 04/2018-19 dated 18.04.2019 valid up to 17/04/2023. 3. Rs. 5,00,000/- vide BG No. 0357722BG0000164 dated 04/10/2022 valid upto 03/10/2027

**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	As per approved document two nos. of vertical boreholes (30 mt. each) were drilled in the year 2015.
1b	Exploration over lease area for Geological axis 1 or 2.	G1- 7.044 Hects and level - 301 to 276 mrl G2- 7.044 Hects and level - 301 to 271 mrl	As per approved document.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not mentioned in the approved document	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	Nil	
1e	Balance reserves as on 01.04.2023	As per approved Review of Mining Plan Total Mineral Reserve (111) 1399153 Tonnes	Balance reserves as on 01.04.2023: Total Mineral Reserve- 1399153 Tonnes	
1f	General remarks of Inspecting officer on geology, exploration etc.	As per approved Mining Plan no exploration was proposed during the year.		

2.0 Development:

S.N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
2a	Location of Development w.r.t. lease area	W 50- E 300 N100 –N 300	AS proposed	production is very small due to lack of market demand.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Separate bench present.	
2c	Stripping ratio or ore to OB ratio	1:0.07	Nil	
2d	Quantity of topsoil generation in m3	600 Cubic Meter	Nil	
2e	Quantity of overburden generation in m3	995 Cubic Meter	Nil	

2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	In the last four years only 4 T production was reported due to lack of market demand.
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3.0 Exploitation:

S.N	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	01 Pit	Nil	
3b	Quantity of ROM mineral production proposed	94500.00 T	04 T	production is very less due to poor market demand.
3c	Recovery of Salable/usable mineral from ROM production.	95%	Nil	
3d	Quantity of mineral reject generation.	4725 T	No mineral reject generation.	There is no top soil /OB /mineral reject generated during the year.
3e	Grade of mineral reject generation and threshold value declared.	Not mentioned in the approved document	Nil	
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.	No Proposal	Nil	
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 envisaged in the approved document.	Nil	
3k	Provision of mining machineries in mineral benches	Dumper, excavator, rock breaker	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: NIL OB/Waste: NIL Ore/Mineral: 5 mt	Topsoil: NIL OB/Waste: NIL Ore/Mineral: 5 mt	There is no top soil/ OB/ mineral reject generated.
3m	Total area covered under excavation /pits	2.307 Ha. up to end of plan period.	Approx 0.107 Ha. covered under pits.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.07	Nil	There is no top soil/ OB/ mineral reject generated.
3o	Total area put in use under different heads at the end of year	2.307 Ha. up to end of plan period covered under pit	Approx 1.97 Ha. covered under pits.	Production is very less due to poor market demand.
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	94500 T (2018-19)	0 T (2018-19)	
		94500 T (2019-20)	0 T (2019-20)	
		94500 T (2020-21)	0 T (2020-21)	
		94500 T (2021-22)	0 T (2021-22)	
		94500 T (2022-23)	4 T (2022-23)	
3q	General remarks of inspecting officer on method of mining etc	There is no top soil /OB/mineral reject generated during the year.		

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)	Top soil-600 Cubic Meter	Nil	There is no top soil/ OB/ Mineral reject generated during the year.
4b	Location of topsoil, OB & mineral reject dumps	Directly used for plantation, no proposal for stacking	Nil	
4c	Number of Dumps within lease area and outside lease area	No Proposal	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	
4e	Number of Active & Alive dumps	No Proposal	Nil	
4f	Number of dead dumps	No Proposal	Nil	
4g	Number of dumps established	No Proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management	There is no top soil/ OB/ Mineral reject generated during the year.		

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	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 proposal for backfilling and reclamation during the year and the area is 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)	As per provision of MCDR 2017.	The annual report on PMCP is t submitted.	
6b	Management of worked/mined out benches	Not proposed	Nil	No area is mined out.
	Area available for rehabilitation (Ha)	Not proposed	Nil	
	Afforestation done (ha)	0.028 ha	Approx 0.028 ha	
	No. of saplings planted during the year	100 nos	100	
	Cumulative no. of plants	Not envisaged in the approved document.	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.	No area is matured for backfilling.
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 to the buyer after sizing with the help of local labour by hammer.	Nil.	Production is very less comparison to proposal, due to lack of market demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not envisaged in the approved document.	Nil	
7c	Different grade of mineral sort out at mine	Not Proposed	Nil	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Production is very less, 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)	Used for plantation, no proposal for stacking	Nil generation of topsoil.	.
8b.	Concurrent use or storage of topsoil	No proposal for stacking	Nil generation of topsoil.	
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)	Nil	Nil	
8g.	Survival rate	Not proposed	Nil	
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	MR submitted upto August 2023. AR submitted for 2022-23.		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: Not appointed. Geologist: Ashok Kumar Jhon (Part time)	During inspection the Mining Engineer, Geologist were not present.	
9b	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 0.107 ha	Appears to be correct.	
9c	Scrutiny of Annual return on afforestation	Within lease area 100, Survival Rate 80%	Mentioned in AR.	
9d	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral reject has been generated during F.Y. 2020-21	Nil	
9e	Scrutiny of Annual return on ROM stock and/or grade ore	Closing- 276.000	ROM closing stock- 8037.090 t	
9f	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Nil dispatch of mineral in the financial year	Report as per Annual Return .	
9g	Scrutiny of Annual return on mining Machineries	Nil	No machinery observed .	

10- Details of violations observed during inspection-

No valid Review of mining plan was available for the period 2023-24 to 2027-28. In this regard Show-Cause notice under Rule 11(4) of MCDR, 2017 already issued by this office for non-submission of review and updation of Mining plan for the subsequent five year period within the specified time period.

Date: 04/10/2023

Signature:

Name: (S. Roy)

Designation: AME