

MCDR INSPECTION REPORT 2020-21

General:

Sl .No.	Particulars	Details
1	Name of the Mine	Patharakundi Limestone Mine
2	Date of Inspection:	18.12.2021
3	Name of Inspecting Officer	Prasant Kumar Sahu, Asst. Mining Engineer
4	Last date of Inspection & Officer	06/03/2020 & Shri Rudra N. Mishra (SMG)
5	Name of official accompanying inspection	Shri Avadhesh Jain, Mine Owner
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non- forest: 7.044 hect. Forest Land: 0.00 hect. Total Land: 7.044 hect.
7	Mine code	38CHG14028
8	IBM Registration Number under rule 45 of MCDR,1988	IBM/12536/2012
9	Name of the Lease, Address, Phone, email and fax number	Shri Avadhesh Jain, Arihant Bhawan, Satti Bazar, Near Bajrang Akhada, Post & District-Raipur, Chhattisgarh-492001 Email: kasturicementaj@gmail.com Phone No-9301004800
10	Village	Patharakundi
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	07/02/2011
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	Not Applicable
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
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, Mine is non-working from 2015-16 due to lack of Environment Clearance.

27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed, Mine is non-working from 2015-16 due to lack of Environment Clearance.
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, Mine is non-working from 2015-16 due to lack of Environment Clearance.
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed, Mine is non-working from 2015-16 due to lack of Environment Clearance.
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 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)	Opencast
34	Category (Fully Mechanized, Others or Manual)	Category-A, Mechanized
35	Captive/Non-Captive	Non-Captive
36	Present EC Status	Not obtained
37	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. (Violation of Rule 27(2) of MCDR, 2017 is pointed out for non-submission of the differential financial assurance as per MCDR Amendment Rule 2021)

Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

1.0 Exploration:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
1a	Backlog of previous year Proposals	2018-19- 04 nos. of boreholes with cumulative depth of 120.0 meters. (30 mt. each) 2019-20-03 nos. of boreholes with cumulative depth of 90.0 meters. (30 mt. each) 2020-21-No proposal	Not done	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
1b	Exploration over lease area for Geological axis 1 or 2.	G1-0.89 ha G2-6.154 ha	Not done	Area of 0.89 ha under G1 category and area of 6.154 ha under G2 category explored through two nos. of vertical boreholes (30 mt. each)
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not mentioned in the approved document	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	6.154 ha	No boreholes have been drilled so far	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
1e	Balance reserves as on 01.04.2021	Under (122): 1399153 Tonnes Under (222): 3517267 Tonnes		
1f	General remarks of Inspecting officer on geology, exploration etc.	Area of 0.89 ha under G1 category and area of 6.154 ha under G2 category explored through two nos. of vertical boreholes (30 mt. each). As per approved Mining Plan no exploration as proposed has been carried out to cover the balance area of 6.154 ha.		

2.0 Development:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
2a	Location of Development w.r.t. lease area	In between local coordinates N 320 to N 375 and E 40 to E 150	Not done	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.

2b	Separate benches in topsoil overburden and mineral (Rule 15)	Topsoil: NIL OB/Waste: NIL Mineral: 02 nos.	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0.07	No mining operation observed during the year	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
2d	Quantity of topsoil generation in m ³	600 Cubic Meter	Nil	-do-
2e	Quantity of overburden generation in m ³	995 Cubic Meter	Nil	-do-
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.		

3.0 Exploitation:

S.N	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
3a	Number of pits proposed for production	01 no.	Not done	No work done due to lack of EC
3b	Quantity of ROM mineral production proposed	94500.00 T	Nil	-do-
3c	Recovery of Salable/usable mineral from ROM production	95%	Nil	-do-
3d	Quantity of mineral reject generation	4725 T	Nil	-do-
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document	Not Applicable	
3f	Quantity of sub-grade mineral generation	No subgrade will be generated during plan period	Nil	
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document	Not Applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	No Proposal	Not required	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	No beneficiation study carried out	
3j	Provision of drilling & blasting in mineral benches	Not envisaged in the approved document.	Nil	Mining operation is discontinued more than five years due to lack of EC
3k	Provision of mining machineries in mineral benches	Excavator-1 nos.- 2.1 m ³ Tipper-2 nos. of 20 tonne	Nil	-do-
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.	Nil	-do-
3m	Total area covered under excavation /pits	2.307 Ha. up to end of plan period.	2.307 Ha. up to end of 2020-21	

3n	Ore to OB ratio for the pit/mine during the year	1:0.07	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.	
3o	Total area put in use under different heads at the end of year	Pit- 2.307 ha Top soil storage- 0.076 ha Waste/reject dump- 0.420 ha Infra-0.015 ha Roads-0.019 ha Others- 0.032 ha up to end of plan period	Pit- 0.107 ha Waste/reject dump- 0.076 ha Roads-0.012 ha Others- 0.028 ha up to 2020-21 period	Less land area utilized due to nil mining operation during the period
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2016-17- 94500	2016-17-0.00	Nil production reported since last five year as mining operation is temporarily discontinued since 2015-16.
		2017-18-94500	2017-18- 0.00	
		2018-19-94500	2018-19- 0.00	
		2019-20-94500	2019-20-0.00	
		2020-21-94500	2020-21-0.00	
3q	General remarks of inspecting officer on method of mining etc	The mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	600 Cubic Meter	Nil	No topsoil and OB generated during the year
4b	Location of topsoil, OB & mineral reject dumps	Directly used for plantation, no proposal for stacking	Nil	-do-
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	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Not applicable	
4j	Number of settling ponds	No Proposal	Not applicable	
4k	Specific commends of inspecting officer on waste dump management	No topsoil and OB generated during the year as the mine is not under operation due to lack of Environment Clearance for more than five years.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Not applicable	Area is not matured for backfilling
5b	Area under backfilling of mined out area	No Proposal	Not applicable	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Not applicable	No topsoil generation
5d	Total area fully reclaimed & rehabilitated	No Proposal	Not applicable	No area is mined out
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 (2020-21)	Actual Work (2020-21)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2). Details should be given in the format as given in Annexure-20	PMCP report to be submitted	PMCP report not submitted	Violation of Rule 26(2) of MCDR, 2017 is pointed out.
6b	Management of worked/mined out benches	No Proposal	Nil	No area is mined out
	Area available for rehabilitation (Ha)	No Proposal	Nil	-do-
	Afforestation done (ha)	0.028 ha	Not done	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
	No. of saplings planted during the year	100 nos.	Not done	-do-
	Cumulative no. of plants	Not envisaged in the approved document.	Nil	
	Any other specific method of rehabilitation	No Proposal	Nil	
	Cost incurred on watch & care during the year	Rs. 30000/-	Not done	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
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	No Proposal	Nil	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 envisaged in the approved document.	Nil	No waste dump is matured

6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of environmental parameters	Not done	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report for the financial year is not submitted. Violation of Rule 26(2) of MCDR,2017 is pointed out.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	No Proposal	Not applicable	Mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not envisaged in the approved document.	Not applicable	
7c	Different grade of mineral sort out at mine	No proposal	Not applicable	
7d	Any beneficiation process at mines	No Proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.		

8.0 Environment:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	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)	No proposal	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No proposal	Not applicable	
8g	Survival rate	No proposal	Not applicable	

8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling through water tanker	Not done	Nil production reported since last five years as mining operation discontinued
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	The mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.		

9.0 Compliance of Rule 45:

S N	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to Dec-2021		
		AR submitted up to 2020-21		
S N	Item	Details Given in A.R.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Not appointed. Geologist: Ashok Kumar Jhon. Manager: Not appointed.	During inspection the Mining Engineer, Geologist and Manager were not present	The mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 0.107 ha Waste/reject dump- 0.076 ha Roads-0.012 ha Others- 0.028 ha up to 2020-21 period.	Appears to be correct	
9d	Scrutiny of Annual return on afforestation	Within lease area- 100, Survival Rate- 80%	Survival rate is less than 20 %	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral reject has been generated during F.Y. 2020-21	The information is correct.	The mining operation is discontinued due to lack of Environment Clearance (EC) since 2015-16.
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Opening-272.00 T Production-0 T Closing-272.00 T	Stock is reportedly stacked on quarry bottom.	Before the plan period the reported mineral in AR was produced and stacked.
9g	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	No production and dispatch during the period
9i	Scrutiny of Annual return on Fixed assets	Rs. 0/-	Report as per Annual Return	
9k	Scrutiny of Annual return on mining Machineries	Not reported	Mine was closed more than five years due to lack of EC.	

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

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26(2)	A yearly report as per the format specified by the Indian Bureau of Mines, before 1 st day of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved mine closure plan has not been submitted for the year 2020-21.
27(2)	In compliance to the Gazette notification no. G. S. R. 780 (E) dated 03rd November 2021, the difference of financial assurance (FA) as required under Rule 27(1) and the FA already submitted in the form of a bank guarantee (BG) has not been submitted to this office within 90 days from the date of notification.
45(5)(C)	While scrutiny of annual return for financial year 2020-21 few discrepancies are observed; i. At part – III of table no. 2 (Royalty and Rents), the payment made to the State Govt. in the heads of Dead Rent & Surface Rent have not been mentioned in the returns. ii. At part – VII, the cost of production is mentioned as ₹200/- whereas the production and despatch figures are reported as Nil.

During the previous inspection by Shri Rudra Narayan Mihsra, Senior Mining Geologist on 06.03.2020, violation of Rule 26 (2) and 45(5) (C) of MCDR, 2017 were pointed out. The violations have been rectified. No outstanding violations.

Date: 18/02/2022

Name: Prasant Kumar Sahu
Designation: Assistant Mining Engineer