

MCDR Report 2021-22

1) Name of Inspecting officer:	Prasant Kumar Sahu
2) Designation	Assistant Mining Engineer
3) Accompanying mine official with designation	Shri Ashok Bafna, Lessee Representative Shri Amit Kumar Kashyap, Qualified Person
4) Date of Inspection	30.01.2023
5) Date of Previous Inspection	10.06.2017

GENERAL INFORMATION

Sl.No	Particulars	Details
1	Name of the Mine	Patharia Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.12 ha (Non- forest)
3	Mine Code	38CHG05014
4	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/9912/2012
5	Name of the lessee, Address, phone, email and fax number	M/s Mukesh Dhody, C/o Chanchal Fuels, Ward no. 13, Nandini Mines, Town – Ahiwara, District Durg, Chhattisgarh 490 036 Mobile: 9329951700, 9424100779 Email: akashyap250@gmail.com
6	Village	Patharia
7	Taluka/Mandal	Dhamdha
8	District	Durg
9	Pin Code	490 036
10	State	Chhattisgarh
11	Post office	Nandini Nagar
12	Nearest police station	Nandini Nagar
13	Nearest Railway station	Kumhari
14	Date of Grant of Mining Lease	20 years from 19.05.2003 to 18.05.2033
15	Date of Execution	19.05.2003
16	Date of opening of Mine	19.05.2003
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal	NA

	application if Mining Operations are continuing under deemed extension	
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed, as the mine is non-working since 2017-18 due to want of Environmental Clearance
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Roshan Lal Sahu, M/s Mukesh Dhody, C/o-Chanchal Fuels, Ward no. 13, Nandini Mines, Town – Ahiwara, District -Durg, Chhattisgarh 490036 Date of appointment- 23.06.2017
24	Name of the Geologist , Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	-
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. DRG/LST/MPLN-647/NGP dated 12.08.1998 Proposal Period: 2003-04 to 2007-08
27	Date of Approval of Review of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review pf Mining Plan approved vide letter no. DRG/LST/MPLN-1242/RPR dated 16.10.2020 Proposal Period: 2020-21 to 2022-23
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)	Category 'A' Fully Mechanized
31	Captive/Non Captive	Non Captive

SCIENTIFIC MINING

[Data in respect of financial year (2021-22) or cumulative, as applicable]

Sl. No	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
A. EXPLORATION:-				
1a	Backlog of Previous Year	No proposal	Nil	
1b	Exploration Over Lease area for Geological Axis 1 or 2	02 Nos. of core boreholes proposed	Nil	Not carried out Mine is temporarily discontinued due to lack of Environment Clearance (EC) since 2017-18
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Not applicable	-
1d	Balance area to be explored to bring Geological axis 1 or 2	G2-1.94 Ha	Nil	Not carried out as the Mine is temporarily discontinued due to lack of Environment Clearance (EC) since 2017-18
1e	Balance reserves as on 01/04/2022	Under (111)-627750 Tonne Under (122)- 93100 Tonne Under (211)- 546250 Tonne Under (222)-429400 Tonne		As per the approved RMP dated 16.10.2020 and Annual Return 2021-22
1f	General remarks of inspecting officer on geology, exploration etc.	The lessee has not carried out the proposed exploration as the said mine is temporarily discontinued due to lack of Environment Clearance (EC) since 2017-18.		

Sl. No	Item	Proposals	Actual Work	Remarks
B. DEVELOPMENT:-				
2a	Location of development w.r.t. lease area	Development proposed in one pit (01) as shown in production and development plan E 538800- E 538870 N 2366917- N 2367020	Nil	Mine is temporarily discontinued due to lack of Environment Clearance (EC) since 2017-18
2b	Separate benches in topsoil, overburden and mineral	No proposal	Nil	-

2c	Stripping ratio or ore to OB ratio	1:0.113	Nil	
2d	Quantity of topsoil generation in m3	3180	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The Mine is temporarily discontinued due to lack of Environment Clearance (EC) since 2017-18.		

Sl. No	Item	Proposals	Actual Work	Remarks
C. EXPLOITATION:-				
3a	Number of Pit Proposed for Production	01	Nil	Mine is temporarily discontinued due to lack of Environment Clearance since 2017-18
3b	Quantity of ROM mineral production proposed	27900	Nil	
3c	Recovery of Saleable/ Usable Mineral from ROM Production	90%	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	
3f	Quantity of sub-grade mineral generation	No proposal	Nil	
3g	Grade of sub-grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	No such study carried out	
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting proposed	Nil	Mine is temporarily discontinued due to lack of Environment Clearance since 2017-18

3k	Provision of mining machineries in mineral benches	Excavator and tipper combination proposed	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height proposals: In Mineral-3 m	Nil	
3m	Total area covered under excavation/pits	3.33 Ha up to end of RMP period 2022-23	About 3.00 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.113	Nil	
3o	Total area put in use under different heads at the end of year	3.34 Ha up to end of RMP period 2022-23	About 3.00 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18-18000.00 2018-19-00.00 2019-20-00.00 2020-21-27900.00 2021-22-27900.00	2017-18-00.00 2018-19-00.00 2019-20-00.00 2020-21-00.00 2021-22-00.00	Nil production reported since last five years as mining operation is temporarily discontinued since 2017-18 due to want of EC
3q	General remarks of inspecting officer on method of mining etc.	The mine is temporarily discontinued due to lack of Environment Clearance since 2017-18.		

Sl. No	Item	Proposals	Actual Work	Remarks
D. SOLID WASTE MANAGEMENT - DUMPING:-				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects (Rule 32,33)	No proposal	Nil	
4b	Location of Topsoil, OB and Mineral Rejects Dumps	Along the safety zone	Nil	
4c	Number of Dumps within Lease & Outside Lease area	No proposal	Nil	
4d	Location of Dumps, within Ultimate Pit Limit (Rule-16)	No proposal	Nil	
4e	Number of Active & Alive Dumps	No proposal	Nil	
4f	No of Dead Dumps	No proposal	Nil	
4g	No of Dumps Established	No proposal	Nil	
4h	Whether Retaining Wall or Garland drain along Dumps are there	No proposal	Nil	

4i	Length of Retaining Wall or Garland drain along Dumps	No proposal	Nil	
4j	No. of Settling tanks	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	No topsoil and OB generated during the year as the mining operation is temporarily discontinued due to lack of Environment Clearance since financial year 2017-18.		

Sl. No	Item	Proposals	Actual Work	Remarks
E. SOLID WASTE MANAGEMENT - BACKFILLING:-				
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	No area is mined out fully for backfilling
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mineral has not been exhausted fully for backfilling and the mining operation is temporarily discontinued due to lack of Environment Clearance since financial year 2017-18.		

Sl. No	Item	Proposals	Actual Work	Remarks
F. PROGRESSIVE MINE CLOSURE PLAN:-				
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	To be submitted before 01st July every year	PMCP report has not been received in time	Violation not pointed out as the mining operation is temporarily discontinued due to lack of Environment Clearance since financial year 2017-18.
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	No proposal	Nil	

	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			
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	No proposal	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not envisaged in the approved document	Nil	No waste dump is matured
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of environmental parameters	Not carried out	Mine is temporarily discontinued due to lack of Environment Clearance since FY 2017-18
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The lessee has not carried out the PMCP activities as per the proposal as the Mine is temporarily discontinued due to lack of Environment Clearance since FY 2017-18.		

Sl. No	Item	Proposals	Actual Work	Remarks
G. MINERAL CONSERVATION:-				
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch	Nil	
7b	Method of Grade-wise mineral sorting i.e.	No proposal	Nil	

	manual or mechanical			
7c	Different grade of mineral sorted out at mines	No proposal	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The Mine is temporarily discontinued since FY 2017-18 due to lack of Environment Clearance.		

Sl. No	Item	Proposals	Actual Work	Remarks
H. ENVIRONMENT:-				
8a	Separate removal and utilization of topsoil	Yes	Not carried out	Nil production reported since last five years as mining operation is temporarily discontinued since FY 22017-18
8b	Concurrent use or storage of topsoil	Concurrent use and storage in 7.5 m. safety barrier	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done	Plantation Proposed : WML: 237 saplings in 2021-22	Nil	
8g	Survival rate	Not specified	Nil	
8h	Water sprinkling on roads to control airborne dust	No proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is temporarily discontinued since FY 2017-18 due to lack of Environment Clearance.		

Sl. No	Item	Comments		Remarks
I. COMPLIANCE OF RULE-45:-				
9a	Status of Submission of Monthly & Annual Returns	MR being regularly submitted AR Submitted up to 2021-22		
Sl. No	Item	Details Given in A.R	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager- Mining Engineer- Roshan Lal Sahu Geologist-	Not appointed as the mine is temporarily discontinued since FY 2017-18 due to lack of Environment Clearance.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	About 3.00 Ha	About 3.00 Ha	
9d	Scrutiny of Annual return on afforestation	Within lease area: 10 @ 20% survival rate	Not observed during inspection	
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	ROM: Opening stock- 3516.00, Production-0.00 Closing stock- 3516.00	ROM: Opening stock- 3516.00, Production-0.00 Closing stock- 3516.00	All figures in Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value-0.00 Ex mine price-0.00 Cost of production- 0.00	Mine is temporarily discontinued since FY 2017-18 due to lack of Environment Clearance.	
9i	Scrutiny of Annual return on fixed assets	Rs.0.00/-	As per AR 2021-22	
9k	Scrutiny of Annual return on mining machineries	-	-	

10. Details of violations observed during inspection: - No any serious violations are observed during the current inspection.

Date: - 13.07.2023

प्रशान्त कुमार साहू / Prasant Kumar Sahu
सहायक खनन अभियंता / Assistant Mining Engineer
भारतीय खान ब्यूरो रायपुर, / Indian Bureau of Mines, Raipur