

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	R.K. DAS, Deputy Controller of Mines, Indian Bureau of Mines, Raipur
2	Date of inspection & Accompanying person	28/01/2022, Shri Manoj Kumar, QP & Shri Shrimukh Rawat, owner's representative
3	Name of the Mine	Sahgaon Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land-4.82 Ha. & forest land-0.0 Ha. = 4.82 Ha.
5	Mine Code	38CHG05021
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/7042/2011
7	Name of the lessee, Address, phone, email and fax number	Smt. Lalmati Singh, W/o Shri Rajendra Singh, EWS-93, Vaishali Nagar, Bhilai, District- Durg, (C.G.) Pin- 490023 Mobile No.- 9827163421(m) Email id: rstc12@gmail.com
8	Village	Sahgaon
8	Taluka / Mandal / District	Dhamdha
10	State	Chhattisgarh
11	Post office & PIN	Nandini Nagar, PIN-490036
12	Nearest police station	Nandini Nagar
13	Nearest Railway station	Bhilai Power House
14	Date of Grant of Mining Lease	29/05/2012
15	Date of Execution	29/05/2012
16	Date of opening of Mine	25/02/2014
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 application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	No mines manager

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Santosh Singh (Mining Engineer) New Khurshipar, Bhilai Ph.no.-9098059781(m)
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Manoj Kumar(Geologist) H.n0-150, Ward-13, Nandini Nagar, District-Durg, C.G. 9827968279(m)
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	30/12/2010, from 29/05/2012 to 31/03/2017
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	06/06/2017 from 01/04/2017 to 31/03/2022
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Category "A" (Fully Mechanized)
30	Captive/Non Captive	Non Captive
31	Existing EC Limit and validity	81,250 T & up to lease period
32	Status of Financial Assurance as per rule 27 of MCDR, 2017	Bank Guarantee of Rs.15,00,000/- valid up to 31/03/2027

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Not done	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Five Borehole proposed in First Year (2014) and all the 5 borehole drilled up to 30m depth in year 2014. The Mining lease area 4.82 ha. covered under G1 category
1c	Exploration Agency & Expenditure in lakh Rupees during the year	M/s Siddharth Geo Consultants (I) Pvt. Ltd.	621/3, 1 st Floor, Ramkund, Samata Colony, Behind Life Worth Hospital, District – Raipur (Chhattisgarh), Pin Code - 492001	Rs. 4,17, 754=00
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 Million	Under (111): 1.656 Million Tonnes	Under (111): Million Tonnes-1908125	No production reported from 2017-18

	Tonnes)	Under (221): 550000Million Tonnes	Under (221): 550000Million Tonnes	to 2020-21
1f	General remarks of inspecting officer on geology, exploration etc.	The Mining lease area is explored by 5 core boreholes up to 30m depth and covered under G1 category broadly. The deposit is almost flat and regular deposit.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	From N 2368250 To N 2368400 From E 538510 To E 538700	No work done	Mine is non-working in 2020-21
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	In topsoil bench height -4.5m, bench width-4.5m In mineral bench height-3m & width-4m	NA	
2c	Stripping ratio or ore to OB ratio	1:0.21	Nil	
2d	Quantity of topsoil generation in m ³	10750	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 mine was reported nil production in 2020-21 and non-working due to not having valid EC.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	No mining operation done in 2020-21	
3b	Quantity of ROM mineral production proposed	51062 T	Nil	
3c	Recovery of salable/usable mineral from ROM production	95%	NA	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting	Jack Hammer	Mine was not	

	in mineral benches	drilling of 32mm dia with depth of 1.5m and blasting by Emulsion explosive cartridge proposed.	working in 2020-21	
3k	Provision of mining machineries in mineral benches	JCB, Dumper, Tipper, Jack Hammer, Compressor, Dozer, Water Tanker	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	In mineral bench height-3m & width-4m	NA	
3m	Total area covered under excavation/pits	1.7660 Ha.	0.64 ha. as mine was non-working from 2017-18	
3n	Ore to OB ratio for the pit/mine during the year	1:0.21	Nil	
3o	Total area put in use under different heads at the end of year (Ha.)	Pit- 1.7660 Waste/reject-0.7910Ha. Others-0.3400 Ha.	Pit- 0.64 Waste/reject-0.56 Ha. Others-0.3400 Ha.	Proposal is given cumulative till date.
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2016-17: 30000 T Yr- 2017-18: 53,500 T Yr- 2018-19: 81,250 T Yr- 2019-20: 77,000 T Yr- 2020-21: 53,750 T Yr- 2021-22: 43,750 T	Yr- 2016-17: 7400 T Yr- 2017-18: Nil Yr- 2018-19: Nil Yr- 2019-20: Nil Yr- 2020-21: Nil Yr- 2021-22: 16444 T(Up to Jan-2022)	
3q	General remarks of inspecting officer on method of mining etc.	The method of mining proposed opencast but mine is reported non-working in 2020-21.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	0.6180	Nil as mine is non-working in 2020-21	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	North & East	NA	
4c	Number of dumps within lease area and outside lease area	One dump north-east of lease boundary	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	One dump north-east of lease boundary	NA	
4e	Number of active & alive dumps	One dump north-east of lease boundary	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Plantation carried out	NA	

4h	Whether Retaining wall or garland drain all along dumps are there	Garland drain along the dump	Nil	
4i	Length of Retaining wall or garland drain all along dump	Garland drain 50m towards north	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer waste dump management	As the mine is non-working in 2020-21 therefore no comments and during mine visit no major dump observed.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NA	
5b	Area under backfilling of mined out area	Not proposed	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Not Proposed	NA	
5d	Total area fully reclaimed & rehabilitated	Not proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area not matured for backfilling.		

6.0 Progressive Mine Closure Plan

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.	The annual report on PMCP is not submitted	The annual report on PMCP is not submitted	Violation pointed out
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 of rehabilitation vi) Cost incurred on watch & care during the year	Not Proposed	NA	
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	Not Proposed	NA	

	water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not Proposed	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not Proposed	Environmental monitoring (core zone & buffer zone) is presented during EIA report for EC	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The annual report on PMCP is not submitted		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch	ROM Mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	NA	
7c	Different grade of mineral sorted out at mines	Not Proposed	NA	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No comments		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Removal of topsoil and stack in lease boundary for future use	Removal of topsoil and stack in lease boundary for future use	
8b	Concurrent use or storage of topsoil	Not Proposed	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Not Proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its	Not Proposed	NA	

	original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	The plantation done all along the lease boundary	The plantation done all along the lease boundary	
8g	Survival rate	50%	50%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine was non-working from 2017-18 to 2020-21 and during mine visit it was observed that no adverse impact aesthetic beauty in and around mines area.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – January - 2022 A.R. submitted upto- 2020-21	

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 Nil Geologist Nil Manager Nil	No mining engineer, geologist observed during mine visit except QP	Violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	under pits-0.64 ha. reclaimed area- Nil dumps 0.56 ha. infrastructure & roads-0.41 ha.	The pit area is extended as mine start working in 2021-22	
9d	Scrutiny of Annual return on afforestation	200 nos within lease area	Broadly as proposed	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	No mineral reject observed	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock 1806 tons		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	Nil production & dispatch in 2020-21	
9i	Scrutiny of Annual return on fixed assets	Rs 9800349/-		

9k	Scrutiny of Annual return on mining machineries	Pump-2 Compressor -2 Loader-1 Drill m/c 32mm-3		
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10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- The violation earlier pointed is taken compliance and during present inspection Rule 26 & 55 of MCDR,2017 found violated and accordingly violation pointed out.

(Rajesh Kumar Das, Deputy Controller of Mines)