

MCDR INSPECTION REPORT 2022-23**General**

Sl. No.	Particulars	Details
	File No-	CHG/DRG/LST-50/NGP
1	Name of the Mine	Chandi Limestone Mines
2	Date of Inspection	24-11-2023
3	Name of Inspecting Officer	Prasant Kumar Sahu, Assistant Mining Engineer
4	Name of official accompanying inspection	Shri Arun Swami, Geologist and Dr. Manoj Kumar, Qualified Person
5	Last date of Inspection	27.10.2022
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest Land- Nil Non Forest Land- 17.95 Ha Total Lease area- 17.95 Ha
7	Mine Code	38CHG05015
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10276/2012
9	Name of the lessee, Address, phone, email and fax number	Shri Shankar Hari Agarwal, House No.- B1 & B2, Wallfort City, Ring Road No.- 1, Bhatagoan, Raipur(C.G.), Pin-492001 Phone No- 9479006009 Email – mkagrawal2006@yahoo.com
10	Village	Chandi
11	Taluka/Mandal	Berla
12	District	Bemetara
13	Pin code	491335
14	State	Chhattisgarh
15	Post office	Berla
16	Nearest police station	Berla
17	Nearest Railway station	Bhilai
18	Date of Grant of Mining Lease	05.10.2002
19	Date of Execution	05.10.2002 and 13.03.2022
20	Weekly day of rest	Sunday
21	Date of opening of Mine	Executed on: 05.10.2002 Lease granted for a period 05.10.2002 to 04.10.2022 (20 Years) Supplementary lease deed agreement was executed on 13/03/2022 as per MMDR Act 2015 for the lease period up to 04/10/2052.
22	Date of first Renewal, if applicable and its period & expiry	NA
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

I/31229/2024

25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Shankar Hari Agarwal, House No.- B1 & B2, Wallfort City, Ring Road No.-1, Bhatagoan, Raipur (C.G.), Pin-492001, Phone No- 9479006009, Email – mkagrwal2006@yahoo.com
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed
27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Manoj Kumar Chaurasia, C/o- Shri Shankar Hari Agarwal, House No.-B1 & B2, Wallfort City, Ring Road No.-1, Bhatagoan, Raipur (C.G.), Pin- 492001
28	Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mining Engineer- Shri Ubaran Das Banjare, Date of appointment- 27/03/2023 Geologist- Shri Arun Swami, Date of appointment-01.01.2015 C/o- Shri Shankar Hari Agarwal, House No.-B1 & B2, Wallfort City, Ring Road No.-1, Bhatagoan, Raipur (C.G.), Pin- 492001
29	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes
30	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 DRG/LST /MPLN -756/NGP dated 06.11.2021 Proposal period 2003-03 to 2007-08.
31	Date of Approval of Review of Mining Plan/Modified Review of Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter no. Bemetara/LST/KhYo-1139/2017-Raipur/1077 dated 13.03.2018. Proposal period 2018-19 to 2022-23.
32	Mineral(s) granted in lease and proved for mining	Limestone
33	Method of Mining(Open cast, Underground)	Open cast
34	Category (A/B)	Category-A
35	Captive/Non Captive	Non Captive
36	Present EC Status	90000 Tonnes dated 30.10.2010
37	Status of Financial Assurance	1) Rs. 10,00,000/- vide BG No. 0399ILG001418 dated 20.02.2018 valid up to 31/03/2023

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	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	07 boreholes Total meterage-350 m.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not specified	Rs.225000/-	As reported in submitted AR 2022-23
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	Not applicable	5.24 Ha. in G4 scale will be explored in the G1 level in the next plan period (2023-24 to 2027-28)
1e	Balance reserves as on 01.04.2022	Under (111): 3.72 Million Tonnes		As per the approved MMP dated 13.03.2018
1f	General remarks of inspecting officer on geology, exploration etc.	Seven (07) DTH boreholes at a grid interval of 150m.X150 m. with a total meterage of 350 mt. were drilled in the FY 2022-23 and to explore the remaining area to cover under G1 level of exploration 08 boreholes have been proposed in the further programme of exploration.		

2.0 Development

S.N	Item	Proposals 2022-23	Actual work 2022-23	Remarks
2a	Location of development w.r.t. lease area	In between coordinates N 2372085 to N 2372135 E 546815 to E 546855	Carried out within the proposed area	Development was carried out within the proposed grids.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	No proposal	Nil	

1/31229/2024

2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.00	No generation of overburden during the plan period.
2d	Quantity of topsoil generation in m ³	No proposal	Nil	
2e	Quantity of overburden/waste generation in m ³	No proposal	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The actual development is less in comparison to the 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 (Pit)	01 (Pit)	As per proposal
3b	Quantity of Limestone production proposed	23000 Tonne	120 Tonne	Within the proposal limit and less production due to lack of market demand
3c	Recovery of salable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	1150 Tonne	Nil	No generation of Mineral Rejects
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	Blasted material is being directly sold to the consuming plant
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	No such study carried out	Not required for limestone mineral

I/31229/2024

3j	Provision of drilling & blasting in mineral benches	Provision of drilling & blasting made in mineral benches	Drilling & blasting is carried out in the mineral benches	Drill machine-Jack hammer 32 mm dia, Explosive used-Emulsion cartridge
3k	Provision of mining machineries in mineral benches	Excavator and tipper combination proposed	Excavator and tipper combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral bench-03 meter, OB bench-01 meter	Average bench height and width maintained	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation/pits	1.442 Ha	2.27 Ha	Violation of Rule 11(1) of MCDR, 2017 pointed out for exceeding the planned put to use area on 10.05.2023 and subsequently the lessee has submitted the Revised bank Guarantee in Review of Mining Plan approved on 30.12.2023
3n	Ore to OB ratio for the pit/mine during the year	1:0.05	1:0.00	No generation of waste in the reporting year.
3o	Total area put in use under different heads at the end of year	Total 2.00 Ha. Up to the plan period 2022-23	About 4.4 Ha. up to 2022-23	Violation of Rule 11(1) of MCDR, 2017 pointed out for exceeding the planned put to use area on 10.05.2023 and subsequently the lessee has submitted the Revised bank Guarantee in Review of

1/31229/2024

				Mining Plan approved on 30.12.2023
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 23000 2019-20: 28000 2020-21: 23500 2021-22: 30000 2022-23: 23000	2018-19: 2310 2019-20: 76 2020-21: 120 2021-22: 120 2022-23: 120	All units in MT. As per the AR submitted
3q	General remarks of inspecting officer on method of mining etc.	Production is carried out using the deployment of HEMMs with the help of drilling & blasting. Violation of Rule 11(1) of MCDR, 2017 pointed out for exceeding the planned put to use area on 10.05.2023, and subsequently the lessee has submitted the revised bank guarantee in Review of Mining Plan approved on 30.12.2023.		

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	No proposal	Nil	No topsoil and OB generated during the year
4b	Location of topsoil, OB & mineral reject dumps	No proposal	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	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	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management.	No topsoil and OB were generated during the year. No waste dump was observed during the inspection.		

5.0 Solid Waste Management-Backfilling

S.N	Item	Proposals	Actual work	Remarks
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I/31229/2024

.		2022-23	2022-23	
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	Area is not fully matured for reclamation and rehabilitation
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No proposal for backfilling and reclamation during this year and the area is not mature for backfilling.		

6.0 Progressive Mine Closure 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).	To be submitted before 01st July every year	PMCP report received in time	Annual return submitted on 30.06.2023.
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	No proposal	Nil	The area is not matured for reclamation and rehabilitation.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L * B * 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	The area is not matured for backfilling.
6d	Compliance of	No proposal	Nil	The area is not

1/31229/2024

	Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			matured for reclamation and rehabilitation.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring proposed	Environmental monitoring carried out	Done as proposed
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	No proposal for backfilling and reclamation during this year and the area is not matured for backfilling. The plantation as proposed have been carried out.		

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	Direct ROM dispatch to the consumer	ROM dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not envisaged in the approved document.	Not applicable	Not required for limestone
7c	Different grade of mineral sorted out at mines	No proposal	Not applicable	Not required
7d	Any beneficiation process at mines	No Proposal	Not applicable	Not required
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation process was proposed within the lease area and the total ROM was dispatched directly to the consumer.		

8.0 Environment

S.N	Item	Proposals 2022-23	Actual work 2022-23	Remarks
8a	Separate removal and utilization of topsoil	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	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 &	100 nos. saplings proposed	100 nos. saplings planted	

I/31229/2024

	additional plantation done			
8g	Survival rate	Not specified	25 %	As per AR 2022-23
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to suppress the dust	Water sprinkling done on haul roads	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The scale of mining is low and production is very less in comparison to the proposed quantity due to lack of market demand therefore no adverse impact due to mining on aesthetic beauty.		

Compliance of Rule 45

S.N	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	MR being submitted regularly AR submitted up to 2022-23		
S.N	Item	Details Given in AR.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager -Shri Manoj Kumar Chaurasia, Mining Engineer : Shri Manoj Kumar Chaurasia, Geologist : Shri Arun Swami	Employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	3.46 Ha	About 4.4 Ha.	Violation of Rule 11(1) of MCDR, 2017 pointed out for exceeding the planned put to use area on 10.05.2023 and subsequently the lessee has submitted the Revised bank Guarantee in Review of Mining Plan approved on 30.12.2023
9d	Scrutiny of Annual return on afforestation	WML- 100 saplings @ 25% survival rate	Appears to be correct	
9e	Scrutiny of Annual return on mineral reject generation (Grade &	Nil	No generation of mineral rejects reported.	

I/31229/2024

	quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock- Nil, Production- 120.00 tons, closing stock- Nil	Appears to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value- Nil Ex-mine Price Rs. 477.92/-	No mineral dispatch has been reported during the reporting year.	
9i	Scrutiny of Annual return on fixed assets	Fixed Asset: Rs. 1200190 including building, plant and machineries etc.	Report as per Annual Return	
9k	Scrutiny of Annual return on mining machineries	Front end loader-01, Tipper-02	Deployed	

10- (a) Compliance position of earlier violation pointed out: - No serious violation was observed during the inspection.

प्रशान्त कुमार साहू / Prasant Kumar Sahu
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