

MCDR-MiFLQ/ST/28/2023/JBP-IBM,RO_JBP
INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Reporting Year 2022-23

I/33985/2024

General Information

S. N.	Particulars	Details
1	Name of the Mine	Bandhi Ghorwai Limestone mine
	Date of Inspection:	26.03.2024
	Name of Inspecting Officer	Shri Kathroju Naveen Sr. Assistant Controller of Mines IBM – Jabalpur Region
	Name of the persons accompanied with inspecting officer with designation	Shri Akhilesh Singh, Add.VP (Mines) Shri Bharat Sahasrabudhe, AVP (Geology)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total lease area- 129.802 Ha Non-forest – 129.802 Ha Forest- Nil
3	Mine code	38MPR35325
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/15031/2013
5	Name of the Lessee, Address, Phone, email and fax number	M/s. RCCPL Private Ltd. Industry House, 2nd Floor, 159,Church gate Reclamation, Mumbai (Maharashtra) Pin code – 400020 maihar.mines@birlacorp.com
6	Village	Bandhi Ghorwai
7	Taluka/Mandal	Maihar
8	District	Satna
9	Pin code	485772
10	State	M.P.
11	Post Office	Ajwain
12	Nearest Police Station	Badera
13	Nearest Railway Station	Maihar
14	Date of Grant of Mining Lease	25.08.2011
15	Date of Execution	24.02.2012
16	Date of opening of Mine	15.01.2016
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	Shri Sandip Ghose, Birla Corporation Limited 1, Shakespeare Sarani, A.C. Market, 2nd Floor Kolkata, West Bengal, 700071 Phone- 03366033379 sandip.ghose@birlacorp.com

		Date of appointment- 02.02.2023
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Prahlad Kumar Choudhary RCCPL Pvt. Ltd. Village Bharauli, Post – Itahara Tehsil-Maihar, Dist. - Satna, M.P. Pin- 485773 pk.choudhary@birlacorp.com Date of appointment – 28.08.2022
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Deepak Gupta Bandhi Ghorwai Limestone Mine P.O- Ajwain, Tehsil- Maihar, Dist- Satna (M.P.), deepak.gupta@birlacorp.com Date of Appointment- 27.12.2016
23	Name of the Mining Engineer & Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mining Engineer: Shri Deepak Gupta, BE Mining, FCC(R), Experience- 24 years, Date of Appointment- 27.12.2016 Email- deepak.gupta@birlacorp.com Geologist: Shri. Pramod C Tambadia , M.Sc Geology, Experience- 27 years, Date of Appointment- 01.02.2024 Email- pramodkumar.tambadia@birlacorp.com
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per rule.	Yes. Geologist and Mining Engineer both are appointed in mines, satisfy the rule 55 & carrying out their duties as per rule.
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	MP/Satna/Limestone/RMP- 59/2021-22 131 dt. 01.02.2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Captive

Exploration

S. N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	0	0	
1b	Exploration over lease area for Geological axis 1 or 2.	G-1	G-1	The exploration proposal has not been carried out
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	In house	Completed	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1- 107.662 Ha		

		G2- 20.67 Ha		as proposed
		G3- 1.47 Ha		against
1e	Balance reserves as on 01.04.2023	Balance reserves after the proposed depletion from the reserves reported in last approved RMP are supposed to be 14.72 MT.	15.08 MT as per the depletion reported from previous approved reserves where as in annual Reported as 14.74 MT.	which the violation is issued under Rule 11(1).
1f	Brief of Geology of lease area & Exploration etc.	The reserves available as on as per the last approved mining plan dated 01.02.2022 are 1,52,78,440T out of which the excavations made are 2,06,923T hence the balance reserves are 15.08 MT.		

Development

S. N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	E472778 to E472751 N2665310 to N 2665406	E472767 to E472825 N2665295 to N2665324	Violation is issued under Rule 11(1).
2b	Separate benches in topsoil overburden and mineral	Top Soil Bench- 0 OB Bench- 1 Mineral Bench- 1	Top Soil - 0 OB Bench- 1 Mineral Bench- 1	
2c	Stripping ratio or ore to OB ratio	1:0.11	1:0.38	
2d	Quantity of topsoil generation in m ³	495	670	
2e	Quantity of overburden generation in m ³	5198	5657.7	
2f	Brief of development of pit w.r.t. type of deposit etc	The deviation in the proposed location observed against which the violation is issued under Rule 11(1)		

Exploitation

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed (2022-23)	50,000 tonne	15,068.85 tonne	Violation is issued under Rule 11(1).
3c	Recovery of Salable/usable mineral from ROM production	Nil	Nil	
3d	Quantity of mineral reject	625 tonne	0.00	

	generation		tonne		
3e	Grade of mineral reject generation and threshold value declared	Min 34% CaO and Max 5% MgO	Min 34% CaO and Max 5% MgO		
3f	Quantity of sub-grade mineral generation	Nil	Nil	No sub grade material generated	
3g	Grade of sub-grade mineral generation	NA	NA	No sub grade material generated Violation is pointed out under Rule 11(1)	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil		
3j	Provision of drilling & blasting in mineral benches	Yes	Yes		
3k	Provision of mining machineries in mineral benches	Yes	Yes		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes as per proposal in RMP		
3m	Total area covered under excavation /pits	2.832 ha proposed during the proposal period	2.48 Ha		
3n	Ore to OB ratio for the pit/mine during the year	1:0.11	1:0.38		
3o	Total area put in use under different heads at the end of year	5.306 ha during the proposal period	4.23 Ha		
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	50000 tonne	2018-19	3163.01 tonne
		2019-20	50000 tonne	2019-20	39944.19 tonne
		2020-21	50000 tonne	2020-21	25303.92 tonne
		2021-22	50000 tonne	2021-22	192104.79 tonne
		2022-23	50,000 tonne	2022-23	15068.85 tonne

		tohne	
3q	Brief details w.r.t. method of mining etc.	In the approved document the proposals for mineral reject is furnished whereas the grade of reject is no where discussed and the total excavated ROM is being dispatched as saleable No reject stack observed.	

Solid Waste Management-Dumping

S. N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	YES	YES	
4b	Location of topsoil, OB & mineral reject dumps	OB Dump E472837- E472811, N2665435- N2665529	OB Dump E472820- E472844 N2665438- N2665519	
4c	Number of Dumps within lease area and outside lease area	1(inside ML)	1(inside ML)	
4d	Location of Dumps w.r.t. ultimate pit limit	OB Dump E472837- E472811, N2665435- N2665529	OB Dump E472835- E472850 N2665489- N266525	
4e	Number of Active & Alive dumps	1	1	
4f	Number of deed dumps	0	0	
4g	Number of dumps established	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there	YES	As per proposal	
4i	Length of Retaining wall or garland drain all along dump	Garland drain-0.00 m	Garland drain- NIL	
4j	Number of settling ponds	0	0	
4k	Brief details regarding waste dump management			

Solid Waste Management-Backfilling

S. N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not in Proposal	Nil	
5b	Area under backfilling of mined out area	Not in Proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Generated top soil should be utilized	Generated Topsoil concurrently utilized in plantation	

5d	Total area fully reclaimed & rehabilitated	-	-	
	Brief details regarding backfilling and reclamation etc.	Top soil has been Concurrently use for restoration or rehabilitation.		

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Progressive Mine Closer Plan

S. N.	Item	Proposals	Actual Work	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.	Yes	Annual report of PMCP had been submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	0.1 Ha on lease boundary	0.45 Ha	
	iii) No. of saplings planted during the year	200 nos.	500 nos.	
	iv) Cumulative no. of plants	Cumulative 1932 nos. of plant as on 31.03.2023		
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	Rs 26,000 /-		
6c	Compliance on reclamation and rehabilitation by backfilling	Nil	Nil	
	i) Voids available for backfilling (L*B*D)			
	ii) Void filled by waste/tailings	Nil	Nil	
	iii) Afforestation on the backfilling	Nil	Nil	
	iv) Rehabilitation by making water reservoir	Nil	Nil	
	v) Any other specific means	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease	0.1 Ha (200 no of saplings)	0.45 Ha (500 no of saplings)	
	i) Afforestation			

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	ii) Area rehabilitation	Not in Proposal		NIL
	iii) Method of rehabilitation	Not in Proposal		NIL
6e	Compliance of Environment monitoring (core zone & buffer zone)	Yes		Complied of Environment monitoring
6f	Brief details of PMCP compliance and progressive closure operations etc.	PMCP report has been submitted in annual returns.		

Mineral Conservation

S. N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	50,000 tonne	15068.85 tonne	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Nil	
7c	Different grade of mineral sort out at mine	None	None	
7d	Any beneficiation process at mines	NA	NA	
7e	Brief details about Mineral conservation and beneficiation issues	No grade wise sorting proposed the excavated material is blended all together to dispatch all the excavated ROM.		

Environment

S. N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil	Yes (Top soil - 495 Cum)	670 Cum top soil generated and utilized	
8b	Concurrent use or storage of topsoil	Top soil has been concurrently used	As per proposal, Top soil is being spread over the plantation area.	
8c	Separate dumps for overburden waste rock, rejects and fines	OB and Mineral reject is proposed to be stacked in dump.	OB is stacked in dump as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	As per approved mining plan	
8f	Baseline information on existence of plantation & additional plantation done	Yes	A total of 1.06 Ha area has been planted in barren land so far.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkler has been utilized on roads for water sprinkling to control dust suppression.	
8i	Details regarding aesthetic beauty in and around mines area	Plantation has been done along bund and barren land		

Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Monthly return and annual return submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge: Shri. Deepak Gupta Geologist in charge: Shri Basava Raju	Mining Engineer in charge: Shri. Deepak Gupta Geologist in charge: Shri Pramod C Tambadia Date of appointment 01.02.2024.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1. Covered under current (O-C) Workings 2.480 ha 2. Reclaimed-rehabilitated 0.000 3. Used for waste disposal 0.200 ha 4. Occupied by plant, buildings, residential, welfare buildings and 0.700 ha 5. Used for any other purpose (specify) Bund garland drain etc 0.850 ha	
9d	Scrutiny of Annual return on afforestation	1. Number of trees planted during the year 500 2. Survival rate in	

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		3. Total no. of trees at the end of the year 1932	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Mineral reject reported as nil	Violation pointed out under Rule 11(1).
9f	Scrutiny of Annual return on ROM stock and/or grade ore	7483.30 T of cement grade stock reported.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine price reported as rupees 313.54/- Production cost rupees 313.54/-	
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets* ₹ 37536197	
9k	Scrutiny of annual return on Mining Machineries.	BACK HOE 0.900 CUM 1 TIPPER 14.000 CUM 3 AIR COMPRESSOR 450.000 CUM/MN 1 BLAST HOST DRILL 115.000 MM 1	
9l	General remarks	The Reserves reported in annual returns are contradictory with the reserves furnished last approved Review of Mining Plan and subsequent production achievement reported against which the violation issued under Rule 45(7).	

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

S.No	Violation Under Rule	Issued on	Compliance Received	SCN Issued on	Compliance Received
01	11(1)	03.06.2024	-	-	-
02	31(4)	03.06.2024	-	-	-
03	45(7)	03.06.2024	-	-	-

Name: Kathroju Naveen

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