

MCDR INSPECTION REPORT 2021-22

General:

Sl .No.	Particulars	Details
1	Name of the Mine	Daldali Bauxite Mine
2	Date of Inspection:	14/11/2022
3	Name of Inspecting Officer	Mr. D. Dash, Sr. Mining Geologist
4	Name of official accompanying inspection	Mr. Ghanshyam Patel (Mines Manager), Mr. Bageshwar Nath (Geologist), Mr. Rajendra Kumar Sharma, Agent (Mines)
5	Last date of Inspection & Officer	14/10/2017 , Mr. R.K. Das , ACOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	38.211 Hect. (Non-Forest Land)
7	Mine code	07CHG09001
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/5644/2011
9	Name of the Lease, Address, Phone, email and fax number	Daldali Bauxite Mine
10	Village	Daladali
11	Taluka/Mandal	Bodla
12	District	Kawardha
13	Pin code	491559
14	State	Chhattisgarh
15	Post Office	Bodla
16	Nearest Police Station	Bodla
17	Nearest Railway Station	Bilaspur & Raipur
18	Date of Grant of Mining Lease	04/12/2002
19	Date of Execution	30/12/2002
20	Weekly day of rest	Tuesday
21	Date of opening of Mine	01/09/2003
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
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Kanti Lal Parakh , 66, Yashashvi, Malviya Nagar, Durg, Email – mahavirmineralsdurg@gmail.com
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Rajendra Kumar Sharma, M/s Mahavir Minerals, Post – Daldali, Tehsil – Bodla, Kawardha, Mob. No.- 9630090750, Email- mahavirmineralsdurg@gmail.com Date of Appointment- 01/06/2021

27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Ghan shyam Patel, M/s Mahavir Minerals , Post – Daldali, Tehsil – Bodla, Kawardha Email- mahavirmineralsdurg@gmail.com Mob.- 9589396896 Date of appointment- 14/06/2017
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. Ghanshyam Patel, Qualification- BE (Mining) M/s Mahavir Minerals Post – Daldali, Tehsil – Bodla, Kawardha Date of appointment- 14/06/2017
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Bageshwar Nath Singh, M/s Mahavir Minerals Post – Daldali, Tehsil – Bodla, Kawardha Email- mahavirmineralsdurg@gmail.com Mob.- 9572037748 Date of appointment- 01/11/2022
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Date of Approval of Mine Plan - 14/10/2002
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 vide letter no. kabirdham/Baxt/ Khoya-1158/2018 dated 19/07/2018 for the period from 2018-19 to 2022-23.
32	Mineral(s) granted in lease and approved for Mining	Bauxite
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (Fully Mechanized, Others or Manual)	Mechanized
35	Captive/Non-Captive	Non-Captive
36	Present EC Status	Valid up to 29/12/2032 & 5,00,000T/years
37	Status of Financial Assurance	Valid

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

1.0 Exploration:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
1a	Backlog of previous year Proposals	Nil	NA	No exploration has been proposed in approved Mining plan.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	NA	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Nil	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	NA	
1e	Balance reserves as on 01.04.2022 (tonnes)	111- 540430 121- 99330 211- 11550	111- 540430 121- 99330 211- 11550	No depletion of ore during the period.

		333-230417	333-230417	
1f	General remarks of Inspecting officer on geology, exploration etc.	The mine was non-working during the planned period.		

2.0 Development:

S.N	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
2a	Location of Development w.r.t. lease area	N & S	Nil	The mine was non-working during the period.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0.09	Nil	-do-
2d	Quantity of topsoil generation in m ³	4339.34	Nil	-do-
2e	Quantity of overburden generation in m ³	1020.30	Nil	-do-
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	No mining operations have been carried out during the period.		

3.0 Exploitation:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
3a	Number of pits proposed for production	2nos. (N& S)	Nil	No mining operations carried out during the year.
3b	Quantity of ROM mineral production proposed	116666.7 T	Nil	
3c	Recovery of Salable/usable mineral from ROM production	70000 T	2018-2019 – Nil 2019-2020 - Nil 2020-2021 – Nil 2021-2022 – Nil 2022 – up to Oct'22 Grade Wise Prod.- 256 Mt Dispatch – 3 Mt.	No production of ROM reported. Grade-wise production reported during the year 2021-22.
3d	Quantity of mineral reject generation	46666.7	Nil	
3e	Grade of mineral reject generation and threshold value declared	Less than 20% of Al ₂ O ₃	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	

3h	Manual/Mechanized method adopted for segregation from ROM	Manual	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	Nil	
3k	Provision of mining machineries in mineral benches	Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB-Nil, Ore bench-6.0m	Nil	
3m	Total area covered under excavation /pits	0.86 ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year	1:0.09	Nil	
3o	Total area put in use under different heads at the end of year 2022-23	Pit-11.951ha, Mineral storage-0.145ha, OB/waste-1.635ha Top soil-0.537ha Roads-0.250ha Others- 0.040ha	Pit-8.611ha, Mineral storage-0.064ha, OB/waste-0.059ha Top soil-0.16 ha Roads-0.250ha Others- 0.040ha (magazine)	As per information furnished in submitted draft review of Mining Plan.
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2018-19: 333334T 2019-20: 300000T 2020-21: 166666T 2021-22: 116666T 2022-23: 116666T	2018-2019 – Nil 2019-2020 - Nil 2020-2021 – Nil 2021-2022 – Nil 2022 – up to Oct’22 Grade Wise Prod.- 256 Mt Dispatch – 3 Mt.	No production of ROM done due to lack Market.
3q	General remarks of inspecting officer on method of mining etc	No production of ROM done due to lack of Market. A letter to the State Government seeking lease status of the mine due to non-working nature of the mine has been issued.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	Nil	No mining operations have been carried out. No external dump has been proposed. Waste was

				proposed to be backfilled in mined out area.
4b	Location of topsoil, OB & mineral reject dumps	7.5m safety zone	Nil	-do-
4c	Number of Dumps within lease area and outside lease area	2 nos.	Nil	-do-
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Waste proposed to be filled in mined out area.	Nil	-do-
4e	Number of Active & Alive dumps	Nil	Nil	-do-
4f	Number of dead dumps	D1 to D5	D1 to D5	Small waste dumps were developed prior to previous planned period.
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	No mining operations have been carried out. No external dump has been proposed. Waste was proposed to be backfilled in mined out area.		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	full extraction	Nil	No mining operations carried out during the period.
5b	Area under backfilling of mined out area	0.086 ha	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	NA	
5d	Total area fully reclaimed & rehabilitated	Nil	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling of 0.086 ha area of mined out land was proposed during the year 2021-22. However. No work done since, no mining operations has been carried out during the year.		

6.0 Progressive Mine Closer Plan:

S. N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	Yes	Yes	Annual report has been submitted on time.
6b	Management of worked/mined out benches	Nil	NA	
	Area available for rehabilitation (Ha)	Nil	NA	
	Afforestation done (ha)	0.06ha	0.06 ha	
	No. of saplings planted during the year	100 nos	Within ML: Nil, Outside ML: 60 nos	Violation of 11(1) of MCDR, 2017 is not pointed out due to non-working nature of mine during the year.
	Cumulative no. of plants	400 nos.	600 nos.	
	Any other specific method of rehabilitation	Nil	NA	
	Cost incurred on watch & care during the year	Nil	15000/-	
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	Nil	NA	
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	Nil	NA	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Nil	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Annual report on PMCP is submitted. No Plantation has been carried out within ML area against the proposed planation of 100 nos. Violation of 11(1) of MCDR, 2017 is not pointed out since the mine was non-working during the year.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	70000 T	127 tonnes	During the year 2022-23 upto October, 2022, 257 tonnes grade-wise production reported.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sort out at mine	Nil	Nil	
7d	Any beneficiation process at mines	Nil	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The run of mine ore is manually sorted and sized.		

8.0 Environment:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Nil	No mining operations during the year.
8b	Concurrent use or storage of topsoil	Storage of topsoil	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed for backfilling	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	400 nos.	600 nos	As per proposal.
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	No top soil generation reported during the year 2021-22, since the mine was non-working.		

9.0 Compliance of Rule 45:

S N	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to Oct. 2022		
		AR submitted up to 2021-22		
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 Shri Ghan shyam Patel Geologist: Shri Bagheswarnath Singh	Both were present during the visit.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use information is furnished as nil.	The lessee was advised to correct the information during the visit.	
9d	Scrutiny of Annual return on afforestation	Within ML: Nil, Outside ML: 60	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Opening stock: 4518 tonnes, Closing stock: 4391 tonnes	175 tonnes was processed for production of 127 tonnes of grade-wise production	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex mine price : Rs 650, cost of production: Nil	Since no ROM production during the year.	
9i	Scrutiny of Annual return on Fixed assets	Rs 4894486	Appears to be correct.	
9k	Scrutiny of Annual return on mining Machineries	Nil	None observed.	

10- Details of violations observed during last inspection and the compliance status.

During the previous inspection on 16.03.2018 by Shri R.K.Das, Sr. ACOM, no violation was pointed out.

During the current inspection, no serious violation is observed.

Date:

Signature:

Name: (Debadurllav Dash)

Designation: Regional Mining Geologist