

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Khakharda Bauxite Mines (34.8Ha)
1(b)	Name of Inspecting officer & Designation	G. Ram, Sr.Assistant Controller of Mines
1(c)	Accomp.official	Shri Hitesh Parmar, Lessee rep.
1(d)	Date & Type of Inspection	11.9.2021 AN & Star Rating
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	34.8Hect. (Non-Forest) Survey No. 768/1
3	Mine code	07GUJ07140
4	IBM Regn. Number under rule 45 of MCDR17	IBM/4746/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Bauxite Mining Industries (India) Pvt. Ltd. C/o Shreeji Minerals & Chemicals 228/229, Industrial Area, G.I.D.C., Porbandar(Guj.),Pin 360577, bauxitemining@rediffmail.com
6	Village	Khakharda
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pin code	361315
10	State	Gujarat
11	Post office	Bhatia
12	Nearest police station	Kalyanpur
13	Nearest Railway station	Khambhaliya
14	Date of Grant of Mining Lease	10.10.1980,
15	Date of Execution	29.1.85 for 20years, As per MMDR(A) Act,2015 period extended for 50years up to 28.1.2035 (MCR-1578(W-8)245-CHH-02/5/2018)
16	Date of opening of Mine	--
17	Date of first Renewal, if applicable period & expiry	First Renewal applied,
18	Date of second Renewal, if applicable 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 & appointment	Jignesh Raichura, M/s Bauxite Mining Industries (India) Pvt. Ltd. C/o Shreeji Minerals & Chemicals 228/229, Industrial Area, G.I.D.C.,Porbandar-360577, bauxitemining@rediffmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M/s Bauxite Mining Industries (India) Pvt. Ltd. C/o Shreeji Minerals & Chemicals 228/229, Industrial Area, G.I.D.C., Porbandar(Guj.),Pin 360577, bauxitemining@rediffmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA-Not appointed & since mine is not working presently.
23	Name of the Mining Engineer, Qualification and total Exp. with Address, phone, email, fax number and date of appointment in mine	NA-Not appointed & since mine is not working presently.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule	NA-Not appointed & since mine is not working presently.
25	Date of Approval of MP/MMP with five-year period and specific condition in approval letter, if any.	Letter No. 682(23)/(415)/2000-MCCN (M) UDP Dated 07/9/2001
26	Date of Approval of SOM/RMP with five-year period and specific condition in approval letter, if any.	682(23)/MS(357)/2006-MCCN (M) UDP Dated 22/10/2012 & 682(23) MS(357)/2006-MCCN (M) UDP Dated 13/12/16 for 2017-18 to 2021-22
27	Mineral(s) granted in ML proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast.
29	Category (Fully Mechanised, Others or Manual)	A-Category
30	Captive/Non Captive	Captive

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

1.0 Exploration

SN	Item	Proposals (2020-21)	Actual work	Remarks
1a	Backlog of previous year	Lessee has been carried out trial pits / trenches in past.		
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Not done	
1c	Exploration Agency & Exp in lakh Rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1/2	The reserves & resources available as per approved RMP as on 13.12.16, as on date 1142808.87T(111&121) & remaining resources 354689T		
1e	Balance reserves as on 01.4.2021			
1f	General remarks of inspecting officer on geology, exploration etc.	Part of lease area, is required for exploration in lateral & depth ward up to UPL.		

2.0 Development

SN	Item	Proposals (2020-21)	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work as earmarked in plate No.6	Not done	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil is proposed for removing separately		
2c	Stripping ratio or ore to OB ratio	1:0.0		
2d	Quantity of topsoil generation (m3)	15609M3		
2e	Quantity of OB generation (m3)	Not proposed		
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Lease area is developed by mine pits in irregular height & width of more than height & presently pit water logged.		

3.0 Exploitation

SN	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	Pit No.3 as earmarked in plate No.6	Not done, legging in plan period	VL pointed out for excess ROM
3b	Quantity of ROM mineral production proposed	105000T	0T	
3c	Recovery of saleable/usable mineral from ROM production	85%	0T	
3d	Quantity of mineral reject generation	15%	NIL	
3e	Grade of mineral reject generation and threshold value declared	THV-Al ₂ O ₃ -20%(Min) & SiO ₂ (total)-7%	NIL	
3f	Quantity of sub-grade mineral generation	Above THV & below cut-off grade	NIL	
3g	Grade of sub-grade mineral generation			
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed for any beneficiation presently.	NIL	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting proposed	NIL	
3k	Provision of mining machineries in mineral benches	Excavator (0.9M3) & Tipper 15T	Not applicable in view of above	
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP	Bench height-5.0m & width more than height	Irregular bench height & width	
3m	Total area covered under excavation/pits	--	Total excavated area is about-5.5Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	NIL	
3o	Total area put in use under different heads at the end of year	--	Mining-5.5Ha, Infra-0.01Ha, Road-0.37Ha,	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18- 100025T 2018-19- 100825T 2019-20- 104246T 2020-21- 103455T 2021-22-105000T	2017-18- 10T 2018-19 -136874.13T 2019-20- 0T 2020-21- 0T 2021-22- 0T (Till)	
3q	General remarks of inspecting officer on method of mining etc.	During inspection, mine was not working but in plan period mine reported production.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Topsoil-15609M3 & No O/B proposed	Not done	
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of dumps within and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit			
4e	Number of active & alive dumps			
4f	Number of dead dumps			
4g	Number of dumps stabilised			
4h	Whether Retaining wall or garland drain all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer			

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2020-21)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposed for full extraction of mineral	Not done	No O/B generated. Hence backfilling is not feasible.
5b	Area under backfilling of mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area			
5d	Total area fully reclaimed & rehabilitated	Topsoil is proposed for use in 7.5m of barrier.		
5e	General remarks of inspecting officer on backfilling, reclamation etc	There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2020-21)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Annual reported on PMCP is required to be submitted with in stipulated time. 0.01Ha/20 No plants 100M fencing	Not submitted	VL 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			
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			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)			
6f	General remarks of inspecting officer on PMCP compliance & progressive mine closure.			

7.0 Mineral Conservation

SN	Item	Proposals (2020-21)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	105000T	0T	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mech.	Mech.	
7c	Different grade of mineral sorted out at mines	Proposed	NIL	
7d	Any beneficiation process at mines	Not proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation study is required presently.		

8.0 Environment

SN	Item	Proposals (2020-21)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Topsoil is proposed for removing separately	Not done	
8b	Concurrent use or storage of topsoil			
8c	Separate dumps for OB, waste rock, rejects			
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining.			
8f	Baseline information on existence of plantation & additional plantation done	Plantation-0.01Ha/20 Nos.	50Nos 50%	
8g	Survival rate	50%	Water sprinkling done to suppress dust	
8h	Water sprinkling on roads to control airborne dust	Proposal for suppress air borne dust		
8i	General remarks of inspecting officer on aesthetic beauty in and around mines.	The aesthetic beauty of area in & around mines are degraded mine pit/land of irregular bench height & width etc.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. is Submitted till date & A.R. for year 2020-21 is submitted on 07.8.2021.		
S.N	Item	Details given in AR2020-21	Observations	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per details given in AR 2020-21	Scrutiny of annual return for the year 2020-21 has been carried out & deficiencies pointed out to lessee for rectification.	VL pointed out under rule 45(7) of MCDR, 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on forestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Presently mine was inspected for Star Rating 2019-20 and validation done (3Star). Violation of provision of rule 11(1),11(4), 26(2), 28(1), 33, 45(7) pointed out for rectifications.