

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Mewasa Bauxite Mines (2.428Ha)
1(b)	Name of Inspecting officer & Designation	G. Ram, Sr.Assistant Controller of Mines
1(c)	Accomp.official	Shri Hashu Bhai Kanani, Lessee rep.
1(d)	Date & Type of Inspection	11.9.2021 FN & Star Rating
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.428Hect. ( Non-Forest) Survey No. 212P
3	Mine code	07GUJ07029/7120
4	IBM Regn. Number under rule 45 of MCDR17	IBM/10188/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Gujarat Calcine Bauxite & Refractories, Post-Bhatia, Tehsil-Kalyanpur, District-Devbhumi Dwarka, (Guj.) 361315
6	Village	Mewasa
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	13.6.1996,
15	Date of Execution	12.8.1996 for 20years
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	As per MMDR Amendment Act,2015, lease period extended for 50years up to 11.8.2046
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	M/s Gujarat Calcine Bauxite & Refractories, P-Bhatia, T-Kalyanpur, -DevbhumiDwarka, 361315, Jayesh Gulabrai Kotecha
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M/s Gujarat Calcine Bauxite & Refractories, Post-Bhatia, Tehsil-Kalyanpur, District-Devbhumi Dwarka, (Guj.) 361315
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA-Discontinuance Notice (Form-E) is submitted WEF 15.4.2021 to this office.
23	Name of the Mining Engineer, Qualification and total Exp. with Address, phone, email, fax number and date of appointment in mine	NA-Discontinuance Notice (Form-E) is submitted WEF 15.4.2021 to this office.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule	NA-Discontinuance Notice (Form-E) is submitted WEF 15.4.2021 to this office.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Letter No. 682(23)/(613)/1996-MCCN (M) UDP Dated 16/5/1996 Letter No. 682(23)MS/(413)/2008-MCCN (M) UDP Dated 10/6/2014
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	682(23)/MS(413)/2008-MCCN (M) UDP Dated 13/12/2016 for 2016-17 to 2020-21 & 684(4)(1)MP-328/2020-21 Dated 22.3.2021 for 2021-22 to 2025-26.
27	Mineral(s) granted in ML proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast.
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	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year			

1d	Balance area to be explored to bring Geological axis in 1 or 2	Balance area proposed in present plan period.
1e	Balance reserves as on 01.4.2021	The reserves 65549T (111&121) & remaining resources 51480T (221) as per approved RMP as on 22.3.2021.
1f	General remarks of inspecting officer on geology, exploration etc.	NIL

### **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	Done partly, Pit floor, due to legging in plan period	Discontinuance Notice (Form-E) is submitted WEF 15.4.2021 to this office.
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 (m <sup>3</sup> )	--		
2e	Quantity of OB generation ( m <sup>3</sup> )	--		
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Lease area is developed by pits in irregular height & width & presently pits were water logged.		

### **3.0 Exploitation**

SN	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	Pit No.1 as earmarked in plate No.6	Pit No.1, partly done due to legging	Discontinuance Notice (Form-E) is submitted WEF 15.4.2021 to this office.
3b	Quantity of ROM mineral production proposed	10005T	843.72T	
3c	Recovery of salable/usable mineral from ROM production	90%	100%	
3d	Quantity of mineral reject generation	1000T	NIL	
3e	Grade of mineral reject generation and threshold value declared	THV-Al <sub>2</sub> O <sub>3</sub> -20%(Min) & SiO <sub>2</sub> (total)-7%	As proposed	
3f	Quantity of sub-grade mineral generation	Above THV & below cut-off grade &		
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	No drilling & blasting proposed	NIL	
3k	Provision of mining machineries in mineral benches	Excavator (0.9M <sup>3</sup> ) & Tipper 15mT	As proposed	
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP	Yes	Yes	
3m	Total area covered under excavation/pits	--	Total excavated area is about-1.902Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	
3o	Total area put in use under different heads at the end of year	--	Mining-1.9025Ha, Stack-pit floor , 0.005Ha, Infra-0.08Ha, Road0.01Ha,	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18- 8812T 2018-19- 9225T 2019-20- 9675T 2020-21- 10005T 2021-22- 6072T	2017-18- 2326.6T 2018-19 -3457.4T 2019-20- 1453.2T 2020-21- 843.72T 2021-22- 0T	
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	Not proposed, since area is devoid of OB/waste	Not generated	
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of dumps within lease area 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	As proposed	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 (Rule 32)			
5d	Total area fully reclaimed & rehabilitated			
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 to this office with in stipulated time.	Not submitted for the year	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	10005T	843.72T	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised	Mechanised	

7c	Different grade of mineral sorted out at mines	Yes	Yes	
7d	Any beneficiation process at mines	Not proposed	Not done	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No beneficiation study is required presently & not done.		

### 8.0 Environment

SN	Item	Proposals (2020-21)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Topsoil is proposed for removing separately if any  Not proposed, since working is not attained up to UPL.	Utilising for plantation purposes   20 Nos.	Discontinuance Notice (Form-E) is submitted WEF 15.4.2021 to this office.
8b	Concurrent use or storage of topsoil			
8c	Separate dumps for overburden, waste rock, rejects and fines			
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 operations (Pits, dumps etc.)			
8f	Baseline information on existence of plantation & additional plantation done	Plantation-20/0.01Ha		
8g	Survival rate	--	75%	
8h	Water sprinkling on roads to control airborne dust	Proposal for suppress air borne dust	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines.	Mine was not working during inspection. The aesthetic beauty of area in & around mines are degraded pit/land of irregular bench height .		

### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks	
	Status of submission of Online Monthly and Annual returns	M.R. is Submitted up to date & A.R. for year 2020-21 is submitted on 21.6.2021.		
S.N	Item	Details given in A.R.2020-21	Observations	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given as per annual return 2020-21	Scrutiny of AR-2020-21 done & deficiencies pointed out to lessee for rectification.	VL under Rule 45(7) pointed out to lessee for rectification.
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. Lessee has submitted the discontinuance Notice in Form-E, WEF 15/4/2021 & presently violation of rule 26(2), 45(7) observed & pointed out.