

MCDR INSPECTION REPORT (RMP)

1.0 GENERAL

S.No	Particulars	Details
1 (a)	Name of the Mine	MEVASA BAUXITE MINE S.NO. 208/407
1(b)	Name of Inspecting Officer & Designation	Naman Ekka, Senior Mining Geologist
1(c)	Accompanying Mines Representatives	K.S. Nagori, QP, Bimal Bhai Surveyor
1(d)	Type of Inspection	MP
1(e)	Date of Inspection	21.06.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.9947 HA
3	Mine Code	07GUJ07103
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/248/2011
5	Name of the lessee, Address, phone, email and fax number	M/S SAURASHTRA CALCINE BAUXITE & ALLIED IND. 2 KM HARSHA ROAD/P.O-BHATIA,TA-KALYANPUR, DIST-DEVBHUMI DWARKA, PH NO- 02891-2331997
6	Village	MEVASA
7	Taluka/Mandal	KALYANPUR
8	District	DEVBHUMI DWARKA
9	Pincode	361315
10	State	GUJARAT
11	Post office	MEVASA
12	Nearest police station	BHATIA
13	Nearest Railway station	BHATIA
14	Date of Grant of Mining Lease	14.11.1985
15	Date of Execution	12.05.1986
16	Date of opening of Mine	01.09.1992
17	Date of first Renewal, if applicable and its period & expiry	13.05.2005 & 11.05.2036
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	SHRI DWARKADAS RAICHURA 2 KM HARSHAD ROAD /P.O-BHATIA,TA-KALYANPUR, DIST-DEVBHUMIDWARKA,PH NO- 02891-233199 Email – scabalindia@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	SHRI GULABBHAI PABARI 2 KM HARSHAD ROAD /P.O-BHATIA,TA-KALYANPUR, DIST-DEVBHUMIDWARKA,PH NO- 02891-233199 Email – scabalbhatiya@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	-
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	SRI SHASHANK DAVE, MINING ENGINEER, 2 KM HARSHAD ROAD / P.O-BHATIA,TA-KALYANPUR, DIST-DEVBHUMIDWARKA,PH NO- 02891-233199 Email – scabalbhatiya@gmail.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	SRI BIREN CHAUHAN 2 KM HARSHAD ROAD / P.O-BHATIA,TA-KALYANPUR, DIST-DEVBHUMIDWARKA,PH NO- 02891-233199 Email – scabalbhatiya@gmail.com
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	-
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	02.12.2016

27	Mineral(s) granted in lease and proved for mining	CATEGORY-111) 110988 MT
28	Method of Mining(Opencast, Underground)	OPENCAST
29	Category (Fully Mechanised, Others or Manual)	OTHER
30	Captive/Non Captive	CAPTIVE

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

Exploration

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	-		
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	N/A	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2022.	110988		
1f	General remarks of inspecting officer on geology, exploration etc.	Area has been explored by Pitting.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	In the First year mining will be carried out from central part of the lease area as shown over year wise development plan & Controlled by section line C-C ¹ & B-B ¹ .	Nil	During the Inspection Mines was Non-working
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	1	-	
2c	Stripping ratio or ore to OB ratio	-	-	
2d	Quantity of topsoil generation in m3	Nil	-	
2e	Quantity of overburden generation in m3	-	-	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During the Inspection Mines was Non-working		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production			
3b	Quantity of ROM mineral production proposed	20000	Nil	
3c	Recovery of saleable/usable mineral from ROM production	19000	Nil	
3d	Quantity of mineral reject generation	-	Nil	
3e	Grade of mineral reject generation and threshold value declared	-	-	
3f	Quantity of sub-grade mineral generation	-	-	
3g	Grade of sub-grade mineral generation	-	-	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	-	-	
3j	Provision of drilling & blasting in mineral benches	-	-	
3k	Provision of mining machineries in mineral benches	Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining	Yes	Nil	

	proposed in MP/SOM				
3m	Total area covered under excavation/pits	4000 M ³	-		
3n	Ore to OB ratio for the pit/mine during the year	-	-		
3o	Total area put in use under different heads at the end of year	2.337	2.337		
3p	Production of ROM mineral during last five-year period, as applicable	Yr 2017- 18 Yr 2018-19 Yr 2019-20 Yr 2020-21 Yr 2021-22	21150 19000 19000 19930 20000	Yr 2017- 18 Yr 2018-19 Yr 2019-20 Yr 2020-21 Yr 2021-22	11300 Nil Nil Nil 350
3q	General remarks of inspecting officer on method of mining etc.	Method of mining adopted is open cast.			

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	-	-	
4b	Location of topsoil, OB & mineral reject dumps	-	-	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	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	As Reported no waste generated.		

5.0 Solid Waste Management-Backfilling

SN	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	Partial	No work carried out	
5b	Area under backfilling of mined out area	-	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No work has been carried out		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	Yes	Submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (ha)	-	-	
	ii) Afforestation done (ha)	0.0100	0.010	
	iii) No. of saplings planted during the year	20	20	
	iv) Cumulative no. of plants	110	90	
	v) Any other specific method of rehabilitation	-	-	
	vi) Cost incurred on watch & care during the year	2000	1500	

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	- Nil - 4000 M ² 100m	- Nil - Nil Nil	
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)	Ambient Air Quality Water Quality Noise Quality	Maintain Core Zone And Buffer Zone	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Under PMCP proposal Plantation and monitoring of core zone and buffer zone has been carried out.		

7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	GRADE WISE SORTING WITHIN LEASE AREA	As reported No work has been carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	MANUAL	-	
7c	Different grade of mineral sorted out at mines	USUALLY THIS BAUXITE IS HAND SORTED WITHIN THE QUARRY FOR DIFFERENT GRADE, SUCH AS A ABRASIVE GRADE , REFRACTORY GRADE, CERAMIC GRADE, CEMENT GRADE ,(LOW GRADE)	As reported No work has been carried out.	
7d	Any beneficiation process at mines	THE INSITU BAUXITE (ROM) MINED IS A MIXTURE OF ORE AND OTHER WASTE MATERIAL SUCH AS LATERITIC CLAY AND LATERITE VERY LOW IN AL ₂ O ₃ AND HIGH IN FE ₂ O ₃ AND SiO ₂ . USUALLY THIS INSITU BAUXITE IS HAND SORTED WITHIN THE QUARRY GRADE WISE, SUCH AS ABRASIVE GRADE REFRACTORY GRADE, AND CEMENT GRADE .THE HAND SORTED ORE IS TRANSPORTED FROM THE MINES TO PLANT.	As reported No work has been carried out.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Mineral Beneficiation issues reported.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	THE TOP SOIL GENERATED DURING v SCHEME PERIOD IS PROPOSED TO SPRED ON BACKFILLED AREA.	As reported No work has been carried out.	

8b	Concurrent use or storage of topsoil	THE TOP SOIL GENERATED DURING 2021-22 SCHEME PERIOD WAS PROPOSED TO SPRED ON BACKFILLED AREA.	As reported No work has been carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	IN THE APPROVED MINING SCHEME IT IS ANTICIPATED THAT THE WASTE GENERATED WAS PROPOSED BACKFILLED IN MINED OUT VOIDS.	As reported No work has been carried out.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	BACKFILLING WILL BE DONE IN THE MINED OUT AREA. THE BACKFILLING WILL BE DONE AFTER MINING FULL THICKNESS OF BAUXITE AND BACKFILLING AREA WILL BE PROVEN BARREN.FIRST OF ALL THE WASTE WILL BE BACKFILLED IN THE MINED OUT AREA	As reported No work has been carried out.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	IN THE APPROVED MINING SCHEME IT WAS PROPOSED THAT THE MINED OUT LAND WILL BE BACKFILLED.	As reported No work has been carried out.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	20 SAMPLING	0.010	
8g	Survival rate	-	50%	
8h	Water sprinkling on roads to control airborne dust	IT IS PROPOSED TO SPRINKLING WATER ON HAUL ROAD .	WATER SPRINKLING ON HAUL ROAD REGULLARLY.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The area is covered by little to no-vegetation.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to – May - 22 A.R. submitted up to- 21-22	

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	Yes		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes		
9d	Scrutiny of Annual return on afforestation	It's given details of afforestation annual returning 2021-22.		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes		

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Its given details of ROM Stock and/or grade ore in annual return 2021-22.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	It's given details of Sale value, Ex. Mine price & production cost in annual return 2021-22.	
9i	Scrutiny of Annual return on fixed assets	Its given details of F Fixed Assets in annual return 2021-22.	
9k	Scrutiny of Annual return on mining machineries	It's given details of mining Machineries in annual return 2021-22.	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-
No Significant Violation Observed. Mines was non-working due to No EC.

Naman Ekka
11/18/2022
(Naman Ekka)
SMG