

INSPECTION REPORT (STAR RATING)

1.0 GENERAL

S.No.	Particulars	Details
1(a)	Name of the Mine	Amrutpura Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Naman Ekka, Senior Mining Geologist
1(c)	Accompanying Mines Representatives	Ami Jani - Geologist
1(d)	Type of Inspection	Star Rating
1(e)	Date of Inspection	11/02/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	6.00 ha (non-forest land)
3	Mine code	07GUJ09018
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9072/2012
5	Name of the lessee, Address, phone, email and fax number	Janakkumar kantilal Sadhu - R/o 2531 Alkapuri Society Opp Pranami Temple, Dakor Ta : Thasra Dist : Kheda Gujarat- 388 225
6	Village	Amrutpura
7	Taluka/Mandal	Thasra
8	District	Kheda
9	Pin code	388 225
10	State	Gujarat
11	Post office	Dakor
12	Nearest police station	Dakor
13	Nearest Railway station	Dakor
14	Date of Grant of Mining Lease	16/12/1985
15	Date of Execution	17/03/1987
16	Date of opening of Mine	NILL
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	Extension upto 16-03-2037 on 22-03/2020
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Rakesh Dodiya. BE Mining 216 Shivam Complex Sola Science city road Ahmedabad 15/07/2020

1/8265/2023	24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes,
	25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approval date 22-02-2011 with five year period
	26	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 approval date 06-10-2020 with five year period
	27	Mineral(s) granted in lease and proved for mining	Bauxite
	28	Method of Mining(Open cast, Underground)	Open cast
	29	Category (Fully Mechanised, Others or Manual)	Others
	30	Captive/Non Captive	Non Captive

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

Exploration

S.No.	Item	Proposals(2021-22)	Actual work	Remarks
1a	Backlog of previous year	No proposal	As Reported No work Carried out	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	As Reported No work Carried out	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not applicable	As Reported No work Carried out	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area has been explored in G1	As Reported No work Carried out	
1e	Balance reserves as on 01.04.2022 (in million tonnes)	455754	As Reported No work Carried out after December 2020	
1f	General remarks of inspecting officer on geology, exploration etc.	As reported area has been explored in G1 Category.		

2.0 Development

S.No.	Item	Proposals(2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	One location was proposed	As Reported No work Carried out	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No topsoil available in remarkable thickness	As Reported No work Carried out	
2c	Stripping ratio or ore to OB ratio	1:0.00	As Reported No work Carried	

1/8265/2023			out	
2d	Quantity of topsoil generation in m3	No proposal	As Reported No work Carried out	
2e	Quantity of overburden generation in m3	No proposal	As Reported No work Carried out	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of Pit has been done within the proposed limits.		

3.0 Exploitation

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed (in tonnes)	50000	Nil	
3c	Recovery of saleable / usable mineral from ROM production	No proposal of recovery 100% ROM is usable	As Reported No work Carried out	
3d	Quantity of mineral reject generation	No proposal	As Reported No work Carried out	
3e	Grade of mineral reject generation and threshold value declared	No proposal	As Reported No work Carried out	
3f	Quantity of sub-grade mineral generation	No proposal	As Reported No work Carried out	
3g	Grade of sub-grade mineral generation	No proposal	As Reported No work Carried out	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	As Reported No work Carried out	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	No proposal	As Reported No work Carried out	
3j	Provision of drilling & blasting in mineral benches	No proposal as the proposal of use of rock breaker was there	As Reported No work Carried out	
3k	Provision of mining machineries in mineral benches	Rock breaker	As Reported No work Carried out	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB - not available Mineral - 3.5m	As Reported No work Carried out	
3m	Total area covered under excavation/pits	0.53	0.53	
3n	Ore to OB ratio for the pit/mine during the year	1 : 0	NILL	
3o	Total area put in use under different heads at the end of year	1.40	1.16	

1/8265/2023	Production of ROM mineral during last five-year period, as applicable (in tonnes)	2017-18	20037	2017-18	NILL	
		2018-19	28123	2018-19	NILL	
		2019-20	40460	2019-20	35000	
		2020-21	50000	2020-21	38700	
		2021-22	50000	2021-22	NILL	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Open cast without Drilling Blasting as per proposal.				

4.0 Solid Waste Management-Dumping

S.No.	Item	Proposals (2021-22)	Actual work	Remarks	
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	As Reported No work Carried out		
4b	Location of topsoil, OB & mineral reject dumps	No proposal	As Reported No work Carried out		
4c	Number of dumps within lease area and outside lease area	No proposal	As Reported No work Carried out		
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	As Reported No work Carried out		
4e	Number of active & alive dumps	No proposal	As Reported No work Carried out		
4f	Number of dead dumps	No proposal	As Reported No work Carried out		
4g	Number of dumps stabilized	No proposal	As Reported No work Carried out		
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	As Reported No work Carried out		
4i	Length of Retaining wall or garland drain all along dump	No proposal	As Reported No work Carried out		
4j	Number of settling ponds	No proposal	As Reported No work Carried out		
4k	Specific comments of inspecting officer	No Solid Waste Generated.			

5.0 Solid Waste Management-Backfilling

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
5a	Status on part or full extraction of	No proposal	As Reported No	

1/8265/2023	mineral from mined out area before starting backfilling		work Carried out	
5b	Area under backfilling of mined out area	No proposal	As Reported No work Carried out	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Backfilling	As Reported No work Carried out	
5d	Total area fully reclaimed & rehabilitated	No proposal	As Reported No work Carried out	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling done.		

6.0 Progressive Mine Closure Plan

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in item No. 8.3 of PMCP (approved on last occasion,	To be submitted as per Rule.	submitted	
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	No Proposals 0.07 70 No Proposals No Proposals 16000/-	Not Applicable 0.07 150 Not Applicable Not Applicable Not Applicable	
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	No proposal	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 0.07ha ii) no proposal iii) no proposal	i) 0.07ha ii) Not applicable iii) Not applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	

1/8265/2023	General remarks of inspecting officer on PMCP compliance & progressive	PMCP Compliance has been carried out as per proposal.
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7.0 Mineral Conservation

S.No	Item	Proposals (2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area (in tonnes)	ROM Mineral Dispatch	ROM Mineral Dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	No proposal	As Reported No work Carried out	
7d	Any beneficiation process at mines	No proposal	As Reported No work Carried out	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	As reported Mineral Conservation is being done and there is not beneficiation issue.		

8.0 Environment

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	As Reported No work Carried out	
8b	Concurrent use or storage of topsoil	No proposal (although soil encountered if any was proposed to be utilized for plantation purpose)	As Reported No work Carried out	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	As Reported No work Carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	As Reported No work Carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc).	No proposal	As Reported No work Carried out	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	NA	As Reported No work Carried out	
8g	Survival rate	Assumed 60%	As Reported 60 %	
8h	Water sprinkling on roads to control airborne dust	Proposed	As per proposal by water tankers	
8i	General remarks of inspecting officer on aesthetic beauty in	Mines and surrounding areas are plain with little to moderate vegetation.		

1/8265/2023	and around mines are	
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9.0 Compliance of Rule 45

S.No.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to Jan-2023 A.R. submitted up to 2021-22		
S.No.	Item	Details GIVEN in A.R	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - RAKESH DODIY Geologist – AMI JANI	Mining Engineer - RAKESH DODIY Geologist – AMI JANI	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha)	Covered under current (O/C) Workings – 0.530 Mineral Stack -0.440	Covered under current (O/C) Workings – 0.530 Mineral Stack - 0.440	
9d	Scrutiny of Annual return on afforestation	Trees Planted during the year - 150 Survival Rate – 60%	Trees Planted during the year - 150 Survival Rate – 60%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	0	As Reported - 0	
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	ROM stock – 0 Graded Ore – 41706.920 (Cement Grade) Opening stock Closing Stock – 26159.560	ROM stock – 0 Graded Ore – 41706.920 (Cement Grade) Opening stock Closing Stock – 26159.560	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine Price – Rs. 854.30	Ex-Mine Price – Rs. 854.30	
9i	Scrutiny of Annual return on fixed assets	Fixed Assets - 0	Fixed Assets – Weigh Bridge and its office has not been taken into account.	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) WATER TANKER	SHOVEL (HYDRAULIC) WATER TANKER	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - No significant violation observed.

Naman Ekka
Senior Mining Geologist
