

## INSPECTION REPORT

### 1.0 GENERAL

S.No	Particulars	Details
1(a)	Name of the Mine	Dakor Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Sh. SnehalKumar Patel Asst. Mining Engineer
1(c)	Accompanying Mines Representatives	Sh. Rakesh Dodiya (I/c Mining Engineer)
1(d)	Type of Inspection	MCDR/Star Rating
1(e)	Date of Inspection	19/01/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.82.58 ha (non-forest land)
3	Mine code	07GUJ09007
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8232/2011
5	Name of the lessee, Address, phone, email and fax number	Late Smt. Pushpaben Hiralal Joshi Legal Heir Janakkumar kantilal Sadhu – R/o 2531 Alkapuri Society Opp Pranami Temple, Dakor Ta : Thasra Dist : Kheda Gujarat- 388 225
6	Village	Dakor
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	07-04-1980
15	Date of Execution	06-10-1980
16	Date of opening of Mine	06-10-1980
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	01-05-1999
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	Sh. Rakesh Bhupatbhai Dodiya (Mining Engg.) 216 Shivam Complex Sola Science city road Ahmedabad 15/07/2020
24	Whether Geologist and Mining Engineer appointed in mines	Yes

	satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	
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 19-11-2004 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 17-08-2017 with five year period (2017-18 to 2021-22) Review of Mining Plan approval date 12-04-2022 with five year period (2022-23 to 2026-27)
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)	"A"
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	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal was there	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2			
1e	Balance reserves as on 01.01.2022 (in million tonnes)	0.695310	0.695310	
1f	General remarks of inspecting officer on geology, exploration etc.	Full exploration of area is yet to be carried out.		

#### **2.0 Development**

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit-2	Pit-2	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No topsoil available in remarkable thickness	NA	
2c	Stripping ratio or ore to OB ratio	1:0.00	NA	
2d	Quantity of topsoil generation in m3	No proposal	NA	
2e	Quantity of overburden generation in m3	No proposal	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Satisfactory.		

#### **3.0 Exploitation**

S.No.	Item	Proposals (2021-22)	Actual work	Remar
-------	------	---------------------	-------------	-------

				<b>ks</b>	
3a	Number of pits proposed for production	Pit-2		Pit-2	
3b	Quantity of ROM mineral production proposed <b>(in tonnes)</b>	50000		50000	
3c	Recovery of saleable / usable mineral from ROM production	No proposal of recovery 100% ROM is usable		Nil	
3d	Quantity of mineral reject generation	Not applicable		Nil	
3e	Grade of mineral reject generation and threshold value declared	Not applicable		Nil	
3f	Quantity of sub-grade mineral generation	Not applicable		Nil	
3g	Grade of sub-grade mineral generation	Not applicable		Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable		Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	Not applicable		Nil	
3j	Provision of drilling & blasting in mineral benches	Not applicable		Nil	
3k	Provision of mining machineries in mineral benches	Rock breaker		Front end loader - 1, Tipper-1 - capacity 17 tonnes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB – not available Mineral – 3.0m		Height- 3.00M	
3m	Total area covered under excavation/pits	1.45		0.93	
3n	Ore to OB ratio for the pit/mine during the year	1 : 0		1 : 0	
3o	Total area put in use under different heads at the end of year	2.11		1.65	
3p	Production of ROM mineral during last five-year period, as applicable  <b>(in million tonnes)</b>	2017-18	25274	2017-18	Nil
		2018-19	30400	2018-19	Nil
		2019-20	37149	2019-20	45000
		2020-21	45021	2020-21	44300
		2021-22	50000	2021-22	50000
3q	General remarks of inspecting officer on method of mining etc.	Production is less due to quality issues. No working on inspection day.			

#### 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	Nil	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active & alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilized	Nil		
		Nil		

4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer	No waste material observe during the inspection.		

#### 5.0 Solid Waste Management-Backfilling

S.No.	Item	Proposals ( 2021-22)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Backfilling	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NA		

#### 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 26(2). Details should be given in the format as given in Annexure-20.	Yes	Yes.	
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  NA NA  10000/-	Nil  0.07 Approx. 50% survival  NA NA  Yes	Cost : Related to Plantati on
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	Nil	
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) Nil iii) Nil	
6e	Compliance of Environmental monitoring (core zone & buffer	Yes	Yes	

	zone)		
6f	General remarks of inspecting officer on PMCP compliance & progressive	Strikingly aesthetic plantation at office premises.	

### 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)	No Proposal	Nil	The ROM (Bauxite) is directly sold to the Cement Plant for cement manufacturing.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Al <sub>2</sub> O <sub>3</sub> >30 %	Al <sub>2</sub> O <sub>3</sub> >30 %	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Found Satisfactory.		

### 8.0 Environment

S.No.	Item	Proposals (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal (although soil encountered if any was proposed to be utilized for plantation purpose)	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc).	No proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	70	Nil	
8g	Survival rate	Assumed 60%	50%	
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 and around mines are	Found Satisfactory.		

### 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 Feb-2023 A.R. submitted up to 2021-2022		
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 Engg. Sh. Rakesh Dodiya Geologist - Ami Jain Mine Manger Kanabhai B. Borkhatariya	Found Satisfactory.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha)	Pit: 0.930 Reclaimed: 00; Occupied by buildings, roads : 0.120 Dump: 0.6 Hect	Found Satisfactory.	
9d	Scrutiny of Annual return on afforestation	80	Found Satisfactory.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Found Satisfactory.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	Yes	Found Satisfactory.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value: No dispatched Ex. Mine price: 615 & production cost : 234.30	Found Satisfactory.	
9i	Scrutiny of Annual return on fixed assets	624000	Found Satisfactory	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC - 01 DUMPER- 01 WATER TANKER- 01	Found Satisfactory	

**10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:** - No violation pending. During inspection violation of Rule 11(1), 33 read with 31(4) for the rectification of the same within a period of 45 Days.

स्नेहलकुमार पटेल  
सहायक खनन अभियंता एवं  
केन्द्रीय जन सूचना अधिकारी  
भारतीय खान ब्यूरो

\*\*\*\*