

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	Darshan Deep Bhardwaj, Senior Asst. Controller of Mines
1(c)	Accompanying Mines Representatives	Rakesh Dodiya (I/c Mines Manager)
1(d)	Type of Inspection	Review of Mining Plan
1(e)	Date of Inspection	12/01/2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.09 ha (non-forest land)
3	Mine code	07GUJ09003
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9072/2012
5	Name of the lessee, Address, phone, email and fax number	Late Smt. Pushpaben Hiralal Joshi Legal Heir Janak Kumar Kantilal Sadhu – R/o 2531 Alkapuri Society Opp Pranami Temple, Dakor Taluka : Thasra Distt. : 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	20/08/1976
15	Date of Execution	07/02/1977
16	Date of opening of Mine	07/02/1977
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	Extension Order 21/03/2020 Expiry date 06/02/2027
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	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 Total Experience: 03 years 216 Shivam Complex Sola Science city road Ahmedabad. Mo : 9274473822

		Date of appointment: 15/07/2020.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes Mining Engineer appointed and for geologist violation is being issued.
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 12-10-1999 with five year period. No specific condition imposed in approval letter.
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 16-08-2017 with five year period. No specific condition imposed in approval letter.
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining (Opencast, Underground)	Opencast
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 (2020-21)	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2021 (in million tonnes)	As per last approved mining plan , reserve was estimated as 0.64 Million tones		
1f	General remarks of inspecting officer on geology, exploration etc.	The lease area is sufficiently explored.		

2.0 Development

S.No.	Item	Proposals(2020-21)	Actual work	Remarks
2a	Location of development w.r.t. lease area	One location was proposed	As Per Proposal	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	no	no	Meagre topsoil thickness
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	-
2d	Quantity of topsoil generation in m3	no	no	-
2e	Quantity of overburden generation in m3	no	no	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine is developed by using excavator, No drilling and blasting is done.		

3.0 Exploitation

S.No.	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed(in tonnes)	50009	48400	achieved
3c	Recovery of saleable /usable mineral from ROM production	No	No	-
3d	Quantity of mineral reject generation	No	No	100% ROM usable
3e	Grade of mineral reject generation and threshold value declared	No	No	100% ROM usable
3f	Quantity of sub-grade mineral generation	No	No	100% ROM usable
3g	Grade of sub-grade mineral generation	No	No	100% ROM

				usable		
3h	Manual / Mechanised method adopted for segregating from ROM	No	No	100% ROM usable		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	No	No	Usable without beneficiation		
3j	Provision of drilling & blasting in mineral benches	No	no	Using Rock breaker		
3k	Provision of mining machineries in mineral benches	Rock breaker	Rock breaker	-		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No OB available Mineral – 3.0m	OB : no Mineral – 3.0m	-		
3m	Total area covered under excavation/pits	2.2	2.2	-		
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	2.92	2.6	-		
3p	Production of ROM mineral during last five-year period, as applicable (in million tonnes)	2017-18	41006	2017-18	nil	Unit: tonnes
		2018-19	50002	2018-19	nil	
		2019-20	50002	2019-20	47000	
		2020-21	50009	2020-21	48400	
		2021-22	50009	2021-22	50000	
3q	General remarks of inspecting officer on method of mining etc.	Mine is developed by using excavator, No drilling and blasting is done.				

4.0 Solid Waste Management-Dumping

S.No.	Item	Proposals (2020-21)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	No OB is generated as bauxite is outcropping
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	
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 stabilized	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	The area is having outcropping bauxite		

5.0 Solid Waste Management-Backfilling

S.No.	Item	Proposals (2020-21)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Partial	Partial	Area is not matured for backfilling
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Backfilling	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is not matured for backfilling		

6.0 Progressive Mine Closure Plan

S.No.	Item	Proposals (2020-21)	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,	Yes	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 Not mentioned No 27,500/-	no 0.07 70 260 No 30,000/-	
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	Greenbelt proposed on waste land only

6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP returns are submitted.		

7.0 Mineral Conservation

S.No	Item	Proposals (2020-21)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area (in tonnes)	Yes, 100% ROM dispatch proposals Occasional sizing and sorting proposed as per buyers desire	Dispatch 46307.28 after required sorting	100% ROM is usable without wet beneficiation
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Occasional sorting by manual means	Done manually	
7c	Different grade of mineral sorted out at mines	no	no	
7d	Any beneficiation process at mines	no	no	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is saleable with manual sorting as per the requirements.		

8.0 Environment

S.No.	Item	Proposals (2020-21)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	no	no	100% ROM material is usable
8b	Concurrent use or storage of topsoil	Concurrent use for greenbelt/ plantation	Zero removal of soil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	no	no	100% ROM is usable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	no	no	100% ROM is usable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc).	Nil	no	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-	70 no. saplings planted	-
8g	Survival rate	About 60%	About 60%	
8h	Water sprinkling on roads to control airborne dust	Yes	Carried out	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The area is having good aesthetic beauty around the lease area.		

9.0 Compliance of Rule 45

S.No.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	Monthly Return submitted up to Dec-2021 Annual Return submitted up to 2020-2021		
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	YES	Geologist not appointed and violation is being issued.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha)	YES	Found in order	
9d	Scrutiny of Annual return on afforestation	YES	Found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	YES	Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	YES	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	YES	Found in order	
9i	Scrutiny of Annual return on fixed assets	YES	Found in order	
9k	Scrutiny of Annual return on mining machineries	YES	Found in order	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -

During inspection violation of Rule 55(3)(ii) of MCDR 2017 found and same is being sent to lessee in the form of violation letter for the rectification of the same.
