

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	Naman Ekka, Senior Mining Geologist
1(c)	Accompanying Mines Representatives	Rakesh Dodiya (I/c Mines Manager)
1(d)	Type of Inspection	MP & Star Rating
1(e)	Date of Inspection	18/12/2021
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	
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	-
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,	Dodiya Rakesh . BE Mining 216 Shivam Complex Sola

	Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Science city road Ahmedabad 15/07/2020
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	No Geologist at the time of Inspection.
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 16-08-2017 with five year period
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	No proposal	nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	No Exploration has been carried out	
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	NO Proposal	Not carried out	Entire 4.82.58 ha has to be explored in G1
1e	Balance reserves as on 01.04.2021 (in million tonnes)	No proposal for year 01/04/2021	(111) – 451732 Tonnes (221) - 286628 Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	At the Time of inspection mines was not working due to want of EC, no exploration has been carried out.		

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	Location of Pit was as proposed in MP	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No topsoil available in remarkable thickness	Not applicable	

2c	Stripping ratio or ore to OB ratio	1:0.00	Not applicable	
2d	Quantity of topsoil generation in m ³	No proposal	Not applicable	
2e	Quantity of overburden generation in m ³	No proposal	Not applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	At the Time of inspection mines was not working due to want of EC, no exploitation was going on.		

3.0 Exploitation

S.No.	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	One	At the time of inspection there was two Pits within the Lease area.	As per I/c Mines Manager, only one pit was in production in 2020-21
3b	Quantity of ROM mineral production proposed (in tonnes)	45021 Tons	44300 tons	
3c	Recovery of saleable / usable mineral from ROM production	No proposal of recovery 100% ROM is usable	Not applicable	
3d	Quantity of mineral reject generation	Not applicable	Not applicable	
3e	Grade of mineral reject generation and threshold value declared	Not applicable	Not applicable	
3f	Quantity of sub-grade mineral generation	Not applicable	Not applicable	
3g	Grade of sub-grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	Not applicable	Not applicable	
3j	Provision of drilling & blasting in mineral benches	No proposal as the proposal of use of rock breaker was there	Not applicable	
3k	Provision of mining machineries in mineral benches	Rock breaker	NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB – not available Mineral – 3.0m	NILL	
3m	Total area covered under excavation/pits	2.24	2.2	
3n	Ore to OB ratio for the	1 : 0	1 : 0	

	pit/mine during the year				
3o	Total area put in use under different heads at the end of year	3.12		1.2	
3p	Production of ROM mineral during last five-year period, as applicable (in million tonnes)	2017-18	252 74	2017-18	NIL L
		2018-19	304 00	2018-19	NIL L
		2019-20	371 49	2019-20	450 00
		2020-21	450 21	2020-21	443 00
		2021-22	500 00	2021-22	NIL L
3q	General remarks of inspecting officer on method of mining etc.	Mines was not working at the time of inspection due to want of EC.			

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)	No proposal	Not applicable	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Not applicable	
4c	Number of dumps within lease area and outside lease area	No proposal	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Not applicable	
4e	Number of active & alive dumps	No proposal	Not applicable	
4f	Number of dead dumps	No proposal	Not applicable	
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	Mines was not working at the time of inspection due to want of EC.		

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	No proposal	Not applicable	
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Backfilling	NILL	
5d	Total area fully reclaimed &	No proposal	Not applicable	

	rehabilitated		
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mines was not working at the time of inspection due to want of EC.	

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,	Proposed in Approved MP	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 10000/-	Not Applicable 0.07 90 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	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mines was not working at the time of inspection due to want of EC.		

7.0 Mineral Conservation

S.No	Item	Proposals (2020-21)	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area (in tonnes)	No Proposal	Null	
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	Not applicable	
7d	Any beneficiation process at mines	No proposal	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mines was not working at the time of inspection due to want of EC.		

8.0 Environment

S.No.	Item	Proposals (2020-21)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not applicable	
8b	Concurrent use or storage of topsoil	No proposal (although soil encountered if any was proposed to be utilized for plantation purpose)	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc).	No proposal	Not applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	NA	Not applicable	
8g	Survival rate	Assumed 60%	Not applicable	
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	Mines was not working at the time of inspection due to want of EC.		

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 Nov-2021 A.R. submitted up to 2020-2021		
S.No.	Item	Details GIVEN in A.R	Observation of I/Officer /Actual	Remarks

			reported in Returns	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge - RAKESH DODIYA Geologist - NIL	Geologist not appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha)	Covered under current (O/C) Workings - 0.620 Ha. Occupied by plant, buildings, residential, welfare buildings & roads – 0.120 Ha. Other Purpose (MINERAL STACK) – 0.390 Ha.	Covered under current (O/C) Workings - 0.620 Ha. Occupied by plant, buildings, residential, welfare buildings & roads – 0.120 Ha. Other Purpose (MINERAL STACK) – 0.390 Ha.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year - 100	Number of trees planted during the year – 100 with survival rate 50%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject – 0.00 T	Mineral Reject – 0.00 T	
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	Graded Ore - 52610.385 Tons of Cement Grade	Graded Ore - 52610.385 Tons of Cement Grade	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price Reported – 915 Rs/ Tonns Cost of Production – 709.08 Rs/ Tons	Ex Mine Price Reported – 915 Rs/ Tonns Cost of Production – 709.08 Rs/ Tons	
9i	Scrutiny of Annual return on fixed assets	Fixed Asset Reported – 0 Rs.	Fixed Asset Reported – 0 Rs.	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) Tipper Water Tanker	SHOVEL (HYDRAULIC) Tipper Water Tanker	

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

Naman Ekka
Sr. Mining Geologist
