

INSPECTION REPORT

1.0 GENERAL

S.No.	Particulars	Details
1(a)	Name of the Mine	Taiyabpura 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	MCDR
1(e)	Date of Inspection	28/08/2021
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	7.83 ha (non-forest land)
3	Mine code	07GUJ09017
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	Taiyabpura
7	Taluka/Mandal	Kapadvanj
8	District	Kheda
9	Pin code	387620
10	State	Gujarat
11	Post office	Kapadvanj
12	Nearest police station	Kapadvanj
13	Nearest Railway station	Kapadvanj
14	Date of Grant of Mining Lease	31-01-1986
15	Date of Execution	30-06-1986
16	Date of opening of Mine	NIL
17	Date of first Renewal, if applicable and its period & expiry	27-06-2005
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 as per MMDR Amendment Act 2015
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	Same as given in point No.5 above
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Rakesh Dodiya (I/c Mines Manager)
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of	Dodiya Rakesh . BE Mining 216 Shivam Complex Sola Science city road Ahmedabad 16/03/2020

	appointment in mine	
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Geologist Not appointed as mine was not in operation.
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 08-02-2011 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 04-02-2016 with Four year period Review of Mining Plan approval date 05-02-2021 with Five year period No specific conditions
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(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	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2			
1e	Balance reserves as on 01.04.2021 (in million tonnes)	As per the latest approved mining plan reserves are estimated to be 0.6 million tons.		
1f	General remarks of inspecting officer on geology, exploration etc.	There was no exploration proposal during the plan period as 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 proposed	
2b	Separate benches in topsoil, overburden and mineral	No topsoil available in remarkable thickness	Not applicable	

	(Rule 15)			
2c	Stripping ratio or ore to OB ratio	1:0.00	Not applicable	
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	
2e	Quantity of overburden generation in m3	No proposal	Not applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Pit is developed as per proposal, bench height is 6 m . Mine is not in operation due to less market demand etc. Mining is done by using shovel dumper combination		

3.0 Exploitation

S.No.	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	Two	As per proposal	
3b	Quantity of ROM mineral production proposed (in tonnes)	115876	113800	
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	Rock breaker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, OB – not available Mineral – 4m	Mineral 4m	
3m	Total area covered under excavation/pits	3.25	1.9	
3n	Ore to OB ratio for the pit/mine during the year	1 : 0	NIL	
3o	Total area put in use under different heads at the end of year	3.30	About 3 ha	

3p	Production of ROM mineral during last five-year period, as applicable (in tonnes)	2017-18	121900	2017-18	NIL	
		2018-19	131215	2018-19	NIL	
		2019-20	126875	2019-20	84000	
		2020-21	121975	2020-21	113800	
3q	General remarks of inspecting officer on method of mining etc.	Mining is done by using shovel dumper combination without using drilling and blasting.				

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	There is no waste material generated.		

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 & rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no waste material generated.		

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	Yes	submitted	

	No. 8.3 of PMCP (approved on last occasion,			
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 0.01 20 2000/- No Proposals No Proposals	Not Applicable 0.5 200 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) 0.01ha ii) 6970 M ² iii) making water reservoir	i) 0.5ha 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	PMCP Return was 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)	121975	33645.2	
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 &	Manual sorting is done for the conservation of mineral.		

	beneficiation issues	
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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 70%	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	The aesthetic beauty in and around mine is good.		

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 July-2021 A.R. 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	Found in order	
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: -

This mine is not in production after January 2021. Violation of Rule 28 of MCDR 2017 is found.

Darshan Deep Bhardwaj
Senior Asst. Controller of Mines
