

INSPECTION REPORT (Star Rating)

1.0 GENERAL

S.No.	Particulars	Details
1(a)	Name of the Mine	Taiyabpura 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	Star Rating
1(e)	Date of Inspection	17/03/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.00 ha (non-forest land)
3	Mine code	07GUJ09019
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	03-08-1990
15	Date of Execution	28-01-1991
16	Date of opening of Mine	NILL
17	Date of first Renewal, if applicable and its period & expiry	30-11-2009
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 27-01-2041 on 21-03/2020
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
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their	Yes

	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 17-10-2011 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 0-02-2016 with Four year period Review of Mining Plan approval date 04-02-2021 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 (2021-22)	Actual work	Remarks
1a	Backlog of previous year	No proposal	nil	Mines is nonn-working
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	No proposal	With the Development of PIT	Lease being 1.00 Ha. the Are can be fully considered as explored with the development of pits
1e	Balance reserves as on 01.04.2021 (in tonnes)	47550	47550	
1f	General remarks of inspecting officer on geology, exploration etc.	Development of PIT has been done and influence of already existing pits has also been considered for area to be fully explored.		

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	No Production	Mines is nonn-working
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 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.	Development of pits has carried out as per proposal by separate benches in Top Soil and Mineral.		

3.0 Exploitation

S.No.	Item	Proposals(2021-22)	Actual work	Remarks		
3a	Number of pits proposed for production	One	None	Mines is non-working		
3b	Quantity of ROM mineral production proposed (in tonnes)	8550	0			
3c	Recovery of saleable / usable mineral from ROM production	No proposal of recovery 95% 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 – 3.5m	NILL			
3m	Total area covered under excavation/pits	0.36	Not Operated			
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	3.30	Not Operated			
3p	Production of ROM mineral during last five-year period, as applicable (in million tonnes)	2017-18	11543	2017-18	NILL	
		2018-19	11471	2018-19	NILL	
		2019-20	11543	2019-20	50000	
		2020-21	11448	2020-21	NILL	
		2021-22	8550	2021-22	NILL	Mines is

					non-working
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Opencast. No Drilling and blasting is being carried out.			

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	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	As reported 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 mineral from mined out area before starting backfilling	No proposal	Not applicable	Mines is non-working
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	Mine not operated	
5d	Total area fully reclaimed & rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling of the Mine has been carried out.		

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,	NILL	submitted	Mines is non-working

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 0.04 40 2000/- No Proposals No Proposals	Not Applicable 0.04 100 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) 0.04ha	i) 0.04ha	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP as per Proposals has been carried out.		

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	0	
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	No Beneficiation issue reported.		

8.0 Environment

S.No.	Item	Proposals(2021-22)	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	Mines is surrounded by Little to no Vegetation.		

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 2021-22		
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	Detail Of Mining Engineer, Geologist & Mine Manager In Annual Return 2021-22, Has Been Mentioned		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. (Ha)	Detail Of Land Use Pattern For Area Under Pits, Reclaimed Area, Dumps Etc In Annual Return 2021-22, Has Been Mentioned		
9d	Scrutiny of Annual return on afforestation	Detail Of Afforestation In Annual Return 2021-22, Has Been Mentioned		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL		
9f	Scrutiny of Annual return on ROM stock and/or graded ore (Tonne)	Detail Of Rom Stock And/Or Graded Ore In Annual Return 2021-22, Has Been Mentioned		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Detail Of Sale Value, Ex. Mine Price & Production Cost In Annual Return 2021-22, Has Been Mentioned		

9i	Scrutiny of Annual return on fixed assets	Detail Of Fixed Assets In Annual Return 2021-22, Has Been Mentioned	
9k	Scrutiny of Annual return on mining machineries	Detail Of Mining Machineries In Annual Return 2021-22, Has Been Mentioned	

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

**Naman Ekka
Senior Mining Geologist**
