

MCDR INSPECTION REPORT

1/29021/2024

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	AMBALIYARA 2.05HA, Survey No-Majham River
1(b)	Name of Inspecting Officer & Designation	Snehalkumar Patel, Asst. Mining Engineer
1(c)	Accompanying Mines Representatives	Sh. Kaushikabhai Pandya & Harsh Trivedi(QP)
1(d)	Type of Inspection	Review of Mining Plan
1(e)	Date of Inspection	05-08-2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease area- 02.05.00 ha (Non forest area)
3	Mine Code	07GUJ14019
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/11171/2012
5	Name of the lessee, Address, phone, email and fax number	Kaushik kumar Bhogilal Pandya 51/52 Giriraj Campus, Opp. Jain Temple, At.Po. Bayad, Dist. Aravalli, Pin – 383 325 Mo.: +91-9724606727 Email: pandyakaushikkumar@gmail.com
6	Village	Tenpur
7	Taluka/Mandal	Bayad
8	District	Aravalli
9	Pincode	383 325
10	State	Gujarat
11	Post office	Ambaliyara
12	Nearest police station	Ambaliyara
13	Nearest Railway station	Bayad
14	Date of Grant of Mining Lease	15/04/1983
15	Date of Execution	18/07/1983
16	Date of opening of Mine	18/07/1983
17	Date of first Renewal, if applicable and its period & expiry	15/07/2002 – Applied for the Renewal 02/02/2018 – Renewal Order by Govt. of Gujarat up to 17/07/2033 as per MMDR Amendment Act,2015
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	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Name of the Nominated Owner- Shri Kaushikkumar Bhogilal Pandya Address- 51/52 Giriraj Campus, Opp. Jain Temple, At.Po. Bayad, Dist. Aravalli – 383 325 Mo: +91-9724606727 Email- pandyakaushikkumar@gmail.com
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	Shri Kaushikkumar Bhogilal Pandya Address- 51/52 Giriraj Campus, Opp. Jain Temple, At.Po. Bayad, Dist. Aravalli – 383 325 Mo: +91-9724606727 Email- pandyakaushikkumar@gmail.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sh. Takhatram Suthar
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Sh. S B Shah
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan was approved vide letter No-684(4)(1)/MP-139/2018 MDRD(N)/GNR, Dated 15.06.2018 Review of Mining Plan was approved vide letter No-MCDR-MPCP0CaFl/3/2023-GNR-IBM_RO_GNR, Dated 27.09.2023 (MP-465)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Scheme of Mining was approved vide letter No-682(23) (MS-501)/2009MCCM(N) UDP dtd 17.10.14
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)	Category A
30	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

Exploration

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SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	120 m core boring with 6 boreholes	41 m core boring with 6 boreholes	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Lease its self.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserves as on 01.09.2023	As per approved mining plan.	Total Mineral reserve 1) Proved Mineral Reserve(111) =10038 MT 2) Prefeasibility Mineral Resource (221) =106582 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व में 6 Bore Hole किया गया है।		

2.0 Development

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit- 01	Pit- 01	The development of pit is done as per the proposal with minor variations.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top soil = NIL OB= 2 to 3Mts Mineral Bauxite = 5 to 6Mts	Top soil = NIL OB= 2 to 3Mts Mineral Bauxite = 6 to 7Mts	
2c	Stripping ratio or ore to OB ratio	1:0.053	NIL	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	NIL	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development of pit is done as per the proposal.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks	
3a	Number of pits proposed for production	01	01		
3b	Quantity of ROM mineral production proposed	14386 MT	30 MT		
3c	Recovery of saleable/usable mineral from ROM production	100% recovery proposed	100%		
3d	Quantity of mineral reject generation	NIL	NIL		
3e	Grade of mineral reject generation and threshold value declared	NIL	Nil		
3f	Quantity of sub-grade mineral generation	NIL	NIL		
3g	Grade of sub-grade mineral generation	NIL	NIL		
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL		
3j	Provision of drilling & blasting in mineral benches	NIL	NIL		
3k	Provision of mining machineries in mineral benches	Yes	Yes		Excavator with dumper combination.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6.0 m	3.0 m		
3m	Total area covered under excavation/pits	Pit-1.97 Ha.	1.+60 Ha.		
3n	Ore to OB ratio for the pit/mine during the year	1:0.05	1:0.05	पट्टा क्षेत्र में OB नहीं है।	

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3o	Total area put in use under different heads at the end of year	Pit no.-1 = 1.97 Ha	Mining= 1.50Ha	
3p	Production of ROM mineral during last four-year period, as applicable	Yr-2018-19: 76005 tons Yr-2019-20: 38119 tons Yr-2020-21: 19172 tons Yr-2021-22: 17145 tons Yr-2022-23: 14386 tons	Yr-2018-19= 79981.62 tons Yr 2019-20=2,85,000 tons Yr-2020-21: 0 tons Yr-2021-22: 0 tons Yr-2022-23: 20 tons	VL issued to 28-04-2020
3q	General remarks of inspecting officer on method of mining etc.	Excavator, dumper combination तरीके से निर्धारित लक्ष्य से कम कार्य किया गया है।		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	NIL	
4c	Number of dumps within lease area and outside lease area	Not Proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	NIL	
4e	Number of active & alive dumps	Not Proposed	NIL	
4f	Number of dead dumps	Not Proposed	NIL	
4g	Number of dumps stabilised	Not Proposed	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	NIL	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NIL	
4j	Number of settling ponds	Not Proposed	NIL	
4k	Specific comments of inspecting officer	पट्टा क्षेत्र में OB, dump नहीं है।		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	NIL	
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)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	खान Backfilling के लिए Mature नहीं है तथा Filling material उपलब्ध नहीं है। एवं बाउंड्री के पासमें नदी है।		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	PMCP report submitted in time.	Submitted.	
6b	Management of worked/mined out benches	NIL	NIL	Violation issued on 07-11-2023
	i) Area available for rehabilitation (ha)			
	ii) Afforestation done (ha)	i) 0.03 Ha.	i) NIL	
	iii) No. of saplings planted during the year	ii) 30 Nos.	ii) 15 Nos	
	iv) Cumulative no. of plants	iii) NA	iii) 15 Nos	
	v) Any other specific method of rehabilitation	iv) NA	iv) Nil	
	vi) Cost incurred on watch & care during the year	v) Rs. 13000	v) Data not available.	
6c	Compliance on reclamation and rehabilitation by backfilling	NIL	NIL	
	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			
6d	Compliance of Rehabilitation of waste land	NIL	NIL	

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	within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	निर्धारित Fencing & plantation नहीं करने के कारण दिनांक 07.11.2023 को नियम 11(1) का उल्लंघन जारी किया गया है।		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM to be dispatched.	As per proposal.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	NIL	
7c	Different grade of mineral sorted out at mines	Usually this bauxite is hand sorted within the lease to achieve different grade.	Hand sorting within the lease for different grade, such as Cement grade (Low grade).	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is dispatched with manual sorting to suit the requirement of the Cement Industries.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	There is no dump in the area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Afforestation-Each year 20 saplings are proposed barrier area.	15 Nos. Plantation	Violation issued on 07-11-2023
8g	Survival rate	80%	5%	Due to near river.
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Very thin layer of Top soil occurred. River is just near on the lease boundary area.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to till date - Yes A.R. submitted up to till date- 2022-23		Submitted
S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Opencast working: 1.60 हे	Found in order Opencast working: 1.60 हे	
9d	Scrutiny of Annual return on	30	15	Violation

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	afforestation			issued on 07-11-2023
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NIL	No dispatch during the year.	
9i	Scrutiny of Annual return on fixed assets	NIL	NIL	
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	खनन कार्य अस्थाई रूप से बंद है।

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - खनन कार्य अस्थाई रूप से बंद है, निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। वर्तमान निरीक्षण में नियम संख्या 11(1) एवं 34A का उल्लंघन पाया गया। दिनांक 07.11.2023 को उल्लंघन पत्र जारी किया गया है।

स्नेहलकुमार पटेल
सहायक खनन अभियंता
भारतीय खान ब्यूरो
