

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Habardi Bauxite Mine, (Sy. No.431/P)
1 (b)	Name of Inspecting officer & Designation	Snehalkumar Patel, AME
1 (c)	Accompanying Mines Representatives	Sh. Dhruvil Makechha & Team
1 (d)	Type of Inspection	Review of Mining Plan
1 (e)	Date of Inspection	16-10-2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area-7.08Ha, Non-Forest land
3	Mine code	07GUJ07109
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/5181/2011
5	Name of the lessee, Address, phone, email and fax number	Sh. Naresh Kumar Prabhudas Makhecha, Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist.-Porbandar, Gujarat- 360 577
6	Village	Habardi
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pin code	361315
10	State	Gujarat
11	Post office	Kalyanpur
12	Nearest police station	Kalyanpur
13	Nearest Railway station	Khambhalia
14	Date of Grant of Mining Lease	17.02.1982
15	Date of Execution	29-12-1983, 20 Year, Expiry-28.12.2033 as per MMDR Amendment Act,2015
16	Date of opening of Mine	01.7.2015 (Reopening)
17	Date of first Renewal, if applicable and its period & expiry	24.12.2002, Form-J submitted for renewal.
18	Date of second Renewal, period & expiry	NA
19	Date of submission of renewal application / deemed extension if any	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Naresh Kumar Prabhudas Makhecha, Prop-M/s SupremeInd., 299 GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360577
21	Name of the Mine Agent, Address, phone, email, fax & date of appointment	Sh. Naresh Kumar Prabhudas Makhecha, Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist.-Porbandar, Gujarat- 360 577
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	G.Chandarana wef 01.4.2019 C/o Prop-M/s Supreme Ind., 299GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360 577
23	Name of the ME, Qua. & Exp., Address,phone , email, fax, date of appointment	G.Chandarana C/o Prop-M/s Supreme Ind., 299 GIDC IndustrialArea, Dist. - Porbandar, Gujarat- 360 577
24	Whether Geologist & ME appointed in mines satisfy the rule	MS. Nirupama Jain wef 01.4.2017 C/o Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360 577
25	Date of Approval of Mining Plan /Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan was approved vide letter No-682(23)(883)/98/MCCM/(N)/UDP Dated-29.6.1999 from 1999-00 to 2003-04
26	Date of Approval of Scheme of Mining/Modified Scheme of Miningwith five-year period and specific condition in approval letter, if any.	682(23)(345)/2004/MCCM/(N)/UDP Dated-23.11.04 from 2004-05 to 2008-09 & 682(23) (581)/2010/MCCM/(N)/UDP Dated-01.8.2011 from 2011-12 to15-16 & 682(23) (581) /2010/ MCCM / (N)/UDP Dated-09.6.2016 from 2016-17 to 18-19 & 684(4) (1) /MP-223/2019-20/MCCM/(N)/ UDP Dated-

		17.6.2019 from 2019-20 to 22-23
		Bauxite
27	Mineral(s) granted in lease	Opencast
28	Method of Mining (O/C, U/G)	Fully Mechanized
29	Category (FM, Others or Manual)	Captive
30	Captive/Non Captive	

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

#### Exploration

SN	Item	Proposals of (2021-22)	Actual work	Remarks
1a	Backlog of previous year	Nil	04 Trial pits up to 5m depth each done.	
1b	Exploration over lease area for Geological axis 1 or 2.	07 Bore Hole proposed in 2021-22	Not done	Violation issued on 11-11-2022
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	G1/G2 level of exploration-G1-4.17 Ha & G2-2.14 Ha, G3- 0.772Ha		
1e	Balance reserves as on 01.04.2022	Proved Mineral Reserve (111) – 133869 ton. (121) – 196235 ton. Remaining Resources (211) – 229806 ton. (221) – 153265 ton.		
1f	General remarks of inspecting officer on geology, exploration etc.	The remaining lease area proposed for exploration in subsequent review of mining plan period.		

#### 2.0 Development

SN	Item	Proposals of (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit- 4 to 5	Pit-4	Lack demand.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Proposed	Maintained separately	
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.0	
2d	Quantity of topsoil generation in m2	926M3	NIL	
2e	Quantity of overburden generation in m2	Not Proposed	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During inspection mine was not working & Mining lease area is developed by various mine pits etc.		

#### 3.0 Exploitation

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Pit no 4 & 5	Pit no 4 & 5	
3b	Quantity of ROM mineral production proposed	92152 tonnes	1505 T	
3c	Recovery of salable/usable mineral from ROM production	95%	100%	
3d	Quantity of mineral reject generation	05%	Nil	
3e	Grade of mineral reject generation and threshold value declared	NIL	No mineral rejects generated	-
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	Mechanised	Mechanised	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NA	-
3j	Provision of drilling & blasting in mineral benches	No	NA	-
3k	Provision of mining machineries in mineral benches	Yes	JCB and Dumpers	-

60

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Bench formed as per the proposal	-
3m	Total area covered under excavation/pits	NIL	About Pit-1.33ha	-
3n	Ore to OB ratio for the pit/mine during the year	1:1.1	1:1.1	-
3o	Total area put in use under different heads at the end of year	NIL	About Pit-1.33ha	-
3p	Production of ROM mineral during five-year period, as applicable	Yr 2017- 18 - 90000 T Yr 2018 - 19 - 97000 T Yr 2019- 20 - 97040 T Yr 2020- 21 - 99508 T Yr 2021-22- 97003 T	Yr 2017- 18 - 89000 T Yr 2018 - 19 - 93000 T Yr 2019- 20 - NIL T Yr 2020- 21 - Nil Yr 2021-22- 1505 T	Lack of demand
3q	General remarks of inspecting officer on method of mining etc.	Production is less due to quality issues. No working on inspection day.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
		926 (Cum)	Nil	
4a	Separate dumping of topsoil, OB & mineral reject	NIL	NIL	
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 established	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	No topsoil, OB & mineral reject dumps observes during the inspection.		
4k	Specific comments of inspecting officer			

#### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	97003 T	1505 T	-
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)	926 (Cum)	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।		

#### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	Nil	Submitted.	

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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	-- 0.30 Hector. 200 NIL NIL Rs. 32000	-- 0.15 Hector. About 70 About 70 NIL --
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	NIL	NIL
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	200 0.30 --	About 70 0.15
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Core Zone with in limit – Ambient Air Quality, Surface water Quality, Ground water quality, Noise level, Noise vibration are measured with in limit
6f	General remarks of inspecting officer on PMCP compliance & progressive	निर्धारित Fencing एवं Plantation नहीं करने के कारण दिनांक 11-11-2022 को उल्लंघन जारी किया गया है।	

### 7.0 Mineral Conservation

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	97003 T	1505 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	manual/mechanical	Manual/mechanical	
7c	Different grade of mineral sorted out at mines	manual	NIL	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Found Satisfactory.		

### 8.0 Environment

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil	NIL	NIL	
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37(1))	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and	Yes, as per PMCP	Yes and per PMCP	Violation

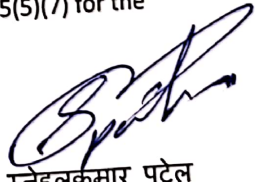
	rehabilitation of lands affected by mining operations (Pits, dumps etc)	Plantation 200 Nos	Plantation 70 Nos	issued.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Total 200 saplings were proposed during the year 2021-22.	Not 100%	
8g	Survival rate	80 %	Approx. 35%	
8h	Water sprinkling on roads to control airborne dust	NIL	Water sprinkling carried out on the haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Very thin layer of Top soil occurred. The aesthetic environment of lease area is satisfactory.		

#### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9a	Status of submission of Online Monthly and Annual returns	M.R. Submitted till Novemebr-2022 A.R. of 2021-22 Submitted on 24-06-2022.	

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	Mining Engineer: 01 Geologist:01	--	Violation issued on 11-11-2022
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc	Yes	Opencast working: 1.83 हे.	
9d	Scrutiny of Annual return on afforestation	210	70	
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	Closing Stock : Cement: 177391.445 T Abrasive : 1290.75 T Refractory: 26260.235 (as on 31.03.2022)	As per returns.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	750		
9i	Scrutiny of Annual return on fixed assets	72000		
9k	Scrutiny of Annual return on mining machineries	JCB and Dumpers	--S	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - No violation pending. During inspection violation of Rule 11(1),33, 34A, 45(5)(7) for the rectification of the same within a period of 45 Days.

  
 स्नेहलकुमार पटेल  
 सहायक खनन अभियंता  
 भारतीय खान ब्यूरो

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