

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Tenpur Bauxite Mines, Survey No-Majham River
1(b)	Name of Inspecting Officer & Designation	Darshan Deep Bhardwaj, Senior Asst. Controller of Mines
1(c)	Accompanying Mines Representatives	Sh. Bhavin Pandya
1(d)	Type of Inspection	Star Rating
1(e)	Date of Inspection	02.09.21
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, 1988	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.: +91-9428773891 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	<b>Name of the Nominated Owner-</b> BhavinKaushikkumar Pandya <b>Address-</b> 51/52 Giriraj Campus, Opp. Jain Temple, At.Po. Bayad, Dist. Aravalli – 383 325 Mo: +91-9724606727 Email- <a href="mailto:mineohms@gmail.com">mineohms@gmail.com</a>
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	Mr. Bhavin Pandya 51/52 Giriraj Campus, Opp. Jain Temple, At.Po. Bayad, Dist. Aravalli – 383 325
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	NA

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
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**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	Nil	Nil.	
1b	Exploration over lease area for Geological axis 1 or 2.	Yes	yes	
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	No exploration proposed	NIL	
1e	Balance reserves as on 01.04.2021	As per approved mining plan dated 15.06.18, it was estimated that 177863 under 111 and 6113 under 121 & 122		
1f	General remarks of inspecting officer on geology, exploration etc.	No exploration work carried out in year 2020-21 as same was not proposed.		

### **2.0 Development**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	Area of Mining Proposed is from 32W to 66E & 29N to 143N.	Nil	Mining operation is stopped
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top soil = NIL OB= 2 to 3Mts Mineral Bauxite = 5 to 6Mts	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.053	NA	
2d	Quantity of topsoil generation in m <sup>3</sup>	Not Proposed	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	4000	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mining operation is stopped in this mine.		

### **3.0 Exploitation**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	1	1	

3b	Quantity of ROM mineral production proposed	20181 MT	Nil	Mining operation stopped during the period 20.06.17 to 26.04.18 by District Geologist
3c	Recovery of saleable/usable mineral from ROM production	90% recovery proposed & 10% as waste	90% recovery proposed & 10% as waste	
3d	Quantity of mineral reject generation	Not proposed	NIL	
3e	Grade of mineral reject generation and threshold value declared	No mineral rejects. Threshold value Min 30% of Al <sub>2</sub> O <sub>3</sub>	No mineral rejects generated as material is being consumed up to threshold value of 30% of Al <sub>2</sub> O <sub>3</sub>	
3f	Quantity of sub-grade mineral generation	Not Proposed	NIL	
3g	Grade of sub-grade mineral generation	Not Proposed	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual and Semi mechanised Method	Manual and Semi mechanised Method	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	No such study carried out by the lessee	
3j	Provision of drilling & blasting in mineral benches	Not Proposed	NIL	
3k	Provision of mining machineries in mineral benches	Breaker-0.4M <sup>3</sup> Hydraulic Backhoe-.4M <sup>3</sup> Tipper-10 tn capacity	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	Pit-1.32 Ha Mineral Stack-0.18Ha Infrastructure-0.13Ha	Pit-1.08 Ha Mineral Stack-0.1304Ha Infrastructure-0.13Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.05	1:0.05	
3o	Total area put in use under different heads at the end of year	Pit no.-1 = 0.855 Ha Waste dumps-0.002 Ha Road-0.8 Ha Others-0.35Ha	Pit no.-1 =1 Ha Road-0.8 Ha Others-0.35Ha	
3p	Production of ROM mineral during last four-year period, as applicable	Yr-2015-16: 20062 MT Yr-2016-17:71896 MT Yr-2017-18: 100004 MT Yr-2018-19: 80005MT Yr-2019-20: 40,126 tons Yr 2020-21:20181	Yr-2015-16: 29865MT Yr-2016-17: 67573MT Yr-2017-18: 54882MT Yr-2018-19= 79981.620 Yr 2019-20=2,29,270 tons(till January 2020) Yr-2020-21=Nil	
3q	General remarks of inspecting officer on method of mining etc.	No Production done in the year 2020-21.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Dumping proposed near pillar-1 & location marked on Plate 6&9	OB dumped at earmarked location	
4b	Location of topsoil, OB &	Dumping proposed near	NA	

	mineral reject dumps	pillar-1 & location marked on Plate 6&9		
4c	Number of dumps within lease area and outside lease area	Proposed 1 dump within lease area	OB dumped at earmarked location	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed outside UPL	Done outside UPL	
4e	Number of active & alive dumps	OB Dump-1 No Mineral Stack-1 No	OB Dump-1 No Mineral Stack-1 No	
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	There is no soil waste generated from the Mine as most of ROM is sorted .		

### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Partial	Partial	
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	0.855 Hect.	0.533 Hect.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The area is not matured for backfilling.		

### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Yes	PMCP returns not submitted and violation issued	
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	Not proposed	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	0.855 Hect.	0.533 Hect.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	No report of monitoring available.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP returns not submitted and violation issued		

### **7.0 Mineral Conservation**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual Sorting	Manual Sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting proposed	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) and Chemical grade done.	
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	
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 (2020-21)	Actual work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal & Utilization of top soil propose	Separate removal & Utilization of top soil done	

8b	Concurrent use or storage of topsoil	Proposed	Done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Provisions of separate stacking of OB dumps given	Very less OB generated during the year and it is dumped separately	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden used for backfilling purposes & plantation & road repairing work proposed	Yes, Implemented.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes, Proposed	Yes, implemented at mine areas.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Afforestation-Each year 20 saplings are proposed over 300 m <sup>2</sup> over border barrier area.	Total 100 nos. of sapling planted in 0.1 ha over borderline area.	
8g	Survival rate	30 Sapling proposed Survival Rate- 80%	20 , Survival Rate 5%	Low survival due hard weather condition
8h	Water sprinkling on roads to control airborne dust	It is proposed to sprinkling water on haul road	Sprinkling of water on haul done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Low survival rate of sapling due hard weather condition		

### 9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto-July -2021 A.R. submitted upto- 2020-21	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	Details Given	Mine not in operation, Mining Engineer appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details Given	Found in order	
9d	Scrutiny of Annual return on afforestation	Details Given	Found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Details Given	Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details Given	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Details Given	Found in order	
9i	Scrutiny of Annual return on fixed assets	Details Given	Found in order	
9k	Scrutiny of Annual return on mining machineries	Details Given	Found in order	

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

During inspection violation of Rule 26(2) and 28 found and sent to lessee for the rectification of the same within period of 45 Days.

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