

## INSPECTION REPORT

**1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	Taiyabpur Bauxite Mines (0.8499Ha)
1(b)	Name of Inspecting officer	Darshan Deep Bhardwaj
1(c)	Date and Type of Inspection	01.09.21, Star Rating
1(d)	Accompanying officer	Sh. Brijesh Patel
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	ML Area: 0.8499 ha Survey Nos.: 37P
3	Mine code	07GUJ09021
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8481/2012
5	Name of the lessee, Address, phone, email and fax number	M/s Mahendra Bauxite, 15/A Shivam Park Society, Dakar Road, Kapadwanj, Kheda District, Gujarat-387620 9377762434, mahendra_bauxite@yahoo.com
6	Village	Sorna
7	Taluka/Mandal	Kaparwanj
8	District	Kheda
9	Pin code	387620
10	State	Gujarat
11	Post office	Kaparwanj
12	Nearest police station	Kaparwanj
13	Nearest Railway station	Kaparwanj
14	Date of Grant of Mining Lease	06.2.1992
15	Date of Execution	09.3.1993 (Expiry-08.3.2043 As per MMDR Act 2015 )
16	Date of opening of Mine	1993
17	Date of first Renewal, if applicable and its period & expiry	07.2.2012
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	M/s Mahendra Bauxite, 15/A Shivam Park Society, Dakar Road, Kapadwanj, Kheda District, Gujarat-387620 9377762434, mahendra_bauxite@yahoo.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M/s Mahendra Bauxite, 15/A Shivam Park Society, Dakar Road, Kapadwanj, Kheda District, Gujarat-387620 9377762434, mahendra_bauxite@yahoo.com
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	NA
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	NA
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Scheme of mining was approved vide letter no 682(23)/(332)MCCM(N)/1992/UDP Dated-30.10.1992 , Review of Mining plan with PMCP approved on 22.05.2018 for period 2018-19 to 2022-23
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/523/2009 MCCM/UDP Dated-28.6.2010 for 2010-11 to 2012-13
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast Mining
29	Category (Fully Mechanised, Others or Manual)	A-Mechanised
30	Captive/Non Captive	Non-Captive

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

**1.0 Exploration**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	NIL	
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	NIL	NIL	
1e	Balance reserves (Million Tonnes) as on 01.04.2018	UNFC (111,121&122) – 0.09 Million Tonne as per last approved Review of mining plan (22.05.2018)		
1f	General remarks of inspecting officer on geology, exploration etc.	The part of lease area is still remaining for further exploration work.		

**2.0 Development**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	Southern part	NIL	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not Proposed	NIL NIL	
2c	Stripping ratio or ore to OB ratio	Nil	NIL	
2d	Quantity of topsoil generation in m3	363	NIL	
2e	Quantity of overburden generation in m3	300	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mine was not in operation at the time of inspection.		

**3.0 Exploitation**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	Not Proposed	Single pit, mine worked during the year	
3b	Quantity of ROM mineral production proposed	19993	NA	Lessee has not submitted Annual return and Violation for the same pointed out
3c	Recovery of salable/usable mineral from ROM production	19993	NA	
3d	Quantity of mineral reject generation	Not Proposed	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	NIL	
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	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	Not Proposed	J/H Drilling & Blasting	
3k	Provision of mining machineries in mineral benches	Not Proposed	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	3-4M-Irregular	
3m	Total area covered under excavation/pits	0.2	NIL, Total Excavated area-about 0.3ha	
3n	Ore to OB ratio for the pit/mine during	Not Proposed	Nil	

	the year			
3o	Total area put in use under different heads at the end of year	Not Proposed	Pit-0.3102Ha, Road-0.188Ha, Storage-0.133Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2016-17– NA Yr-2017-18– NA Yr 2018-19-19993 T Yr 2019-20-19993 T Yr 2020-21-19993 T	Yr-2016-17– 8635T Yr-2017-18– 55T Yr 2018-19-4990 T Yr 2019-20-60 T Yr 2020-21-16950	
3q	General remarks of inspecting officer on method of mining etc.	This mine was not in operation at the time of inspection.		

#### **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)	yes	NIL	
4b	Location of topsoil, OB & mineral reject dumps	yes,	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)	No Proposal	NA	
4e	Number of active & alive dumps	Not Proposed	NA	
4f	Number of dead dumps	Not Proposed	NA	
4g	Number of dumps stabilised	Not Proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NA	
4j	Number of settling ponds	Not Proposed	NA	
4k	Specific comments of inspecting officer	This mine was not in operation at the time of inspection.		

#### **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	NIL	
5b	Area under backfilling of mined out area	No proposal	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal		
5d	Total area fully reclaimed & rehabilitated	No proposal		
5e	General remarks of inspecting officer on backfilling, reclamation etc	This mine was not in operation at the time of inspection.		

#### **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	Proposed	Not submitted.	Violation pointed out under Rule 26(2) of MCDR, 2017.
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	NA 25 Plants    NA	25    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	NA NA	NIL NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not Proposed	Env. Monitoring is being carried out periodical.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation pointed out under Rule 26(2) of MCDR, 2017		

#### 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	19993	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Not proposed	Manual	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	This mine was not in operation at the time of inspection.		

#### 8.0 Environment

SN	Item	Proposals(2020-21)	Actual work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	NIL	
8b	Concurrent use or storage of topsoil	Yes	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	N.A	NIL	
8g	Survival rate	No proposal	NA	
8h	Water sprinkling on roads to control airborne dust	No proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic environment is good around the mining lease area.		

#### 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	No	Mine not in operation	
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 working and during inspection violation of) 26(2) and 28 of MCDR 2017 found and violation letter is being issued for the rectification of the same.