

**MCDR INSPECTION INFORMATION SHEET**

**1.0 GENERAL**

S.N.	Particulars	Details
1(a)	Name of the Mine	<b>Asota-Mewasa Bauxite Mine</b>
1(b)	Name of Inspecting Officer & Designation	Shri Naman Ekka, Senior Mining Geologist
1(c)	Accompanying Mines Representatives	Shri K K Choudhary ( Mines Manager)
1(d)	Type of Inspection	MCDR
1(e)	Date of Inspection	22/06/2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	682.3892 Hect (Non-Forest land)
3	Mine code	<b>07GUJ07002</b>
4	IBM Registration Number under rule 45 of MCDR, 1988	<b>IBM/902/2011</b>
5	Name of the lessee, Address, phone, email and fax number	M/s.Bombay Minerals Limited. Jamnagar Dwarka Highway Opp. Ashok Petrol Pump P.O-Khambhalia, District- Devbhumi Dwarka Mob: 9998945910 Email ID: bmlamm_nan.yahoo.com
6	Village	Mewasa, Mota-Asota,Ran,Habardi & Khakharda
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pin code	361315
10	State	Gujarat
11	Post office	Mewasa
12	Nearest police station	Bhatia
13	Nearest Railway station	Bhatia
14	Date of Grant of Mining Lease	31.01.1958
15	Date of Execution	09.08.1958
16	Date of opening of Mine	-
17	Date of first Renewal, if applicable and its period & expiry	Form-J applied on dated 08.08.1977 for 20 Years for renewal from 09.08.1978 to 08.08.1998. Accordingly, Grant Order received, and lease executed for the same period...
18	Date of second Renewal, if applicable and its period & expiry	Form-J applied on dated 06.08.1997 for 20 Year. Based on it, GoG, Industry & Mines Department, Gandhinagar Given its Consent Order for Renewal of Lease Vide Letter No. MCR-152001MKHA9-CHH Dated: - 01.10.2001 for further 20 Years...
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	As per Section 8(A)(5) of MMDR (Amendment) Act-2015, Lease period Extended by GoG, Industries & Mines Department, Gandhinagar Vide Letter No. MCR-1577(B-5O)-1364-CHH1, Dated 20.12.2019 up to 31.03.2030...
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Hemul Shah 302/303, Rahul Enclave A-Wing, Saibaba Nagar, Borivali-West, Mumbai- 400 092 Mob no. 9820911707 Email Id: bmlamm_nan.yahoo.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Gunanand Roy M/Bombay Minerals Ltd. Jamnagar Dwarka Highway Opp. Ashok Petrol Pump P.O-Khambhalia, District- Devbhumi Dwarka(Gujarat) Mob : 9998945910 Email Id: bmlamm_nan.yahoo.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Kishor Kumar Choudhary Jamnagar Dwarka Highway Opp. Ashok Petrol Pump P.O-Khambhalia, District- Devbhumi Dwarka(Gujarat) Mobile- 9925204390

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Kishor Kumar Choudhary (B.E. Mining Engineer) Total experience: - 24 Years Jamnagar Dwarka Highway, Opp. Ashok Petrol Pump P.O-Khambhalia, District- Devbhumi Dwarka(Gujarat) Mobile- 9925204390
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes.
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-684(4)(1) MP-182/2018 GNR on dated 11/12/2018 Validity-2018-19 to 2022-23 for 5 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.	-
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast Working
29	Category (Fully Mechanised, Others or Manual)	Category-A (Semi Mechanised)
30	Captive/Non Captive	Captive

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

**Exploration**

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	Seventy Trial Pit	Lessee has dug Seventy Trial Pit	For the year 2021-22 excavation work done in pit floor so balance reserves area same as per Proposal.
1b	Exploration over lease area for Geological axis 1 or 2.	Sixty Six Trial Pit	Lessee has dug Sixty Six Borehole	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee itself explore the area	Lessee itself explore the area	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1-396.11 Ha G2-88.17 Ha. G3-198.08 Ha.	G1-396.11 Ha G2-88.17 Ha. G3-198.08 Ha.	
1e	Balance reserves as on 01.04.2022	( Balance Reserves as on 01.04.2021) 1.Proved(111) =26862540 MT 2.Probable(121)=11584670 MT Total= 38602352 MT	( Balance Reserves as on 01.04.2022) 1.Proved(111) = 26730979 MT 2.Probable(121)=11584670 MT Total= 38447210 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	As reported Exploration work has been carried out as per proposal		

**2.9 Development**

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	Working was proposed to five blocks (Chapaldhar-A-A', Bhopamadhi-B-B', Khatladhar & Suradhar-C-C', Karandhar-N-A-A' & Karamkund-A-A').	Working development in three blocks i.e.- Bhopamadhi Pit No. 11, Karandhar-N Pit No. 17 & 18, and Karamkund Pit Floor	

2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Khatladhar and Suradhar Block, Karandhar N, Karamkund Top Soil- One Bench Bauxite- One Bench	Karandhar-N and Karamkund Top Soil- One Bench Bauxite- One Bench	
2c	Stripping ratio or ore to OB ratio	1:019	NIL	
2d	Quantity of topsoil generation in m3	10645 M <sup>3</sup>	NIL	
2e	Quantity of overburden generation in m3	5077.2 M <sup>3</sup>	NIL	Less Production due to poor market Demand
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of Pit was lagging as per proposal		

### 3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Proposed Block 1. Chapaldhar- 2. Bhopamadhi- Pit No. 14 3. Khatladhar & Suradhar- Pit No 12,13,14,15&17 4. Karandhar-N- Pit No 19, 20, 21 & 22 5. Karamkund- Pit No 8&11	Partially achieved block as per Proposal. Bhopamadhi Pit No. 11, Karandhar-N Pit No. 17 & 18, and Karamkund Block Pit Floor	
3b	Quantity of ROM mineral production proposed	1840392 MT	131561 MT	Less Production due to poor market Demand. Excavation work done in pit floor area.
3c	Recovery of saleable/usable mineral from ROM production	High Grade Bauxite-10% (Al <sub>2</sub> O <sub>3</sub> >50%) Abrasive & Refractory grade Low grade Bauxite 90% (Al <sub>2</sub> O <sub>3</sub> >30%) cement & other Grade	100%(with proper blending)	
3d	Quantity of mineral reject generation	No Proposals	NIL	Entire ROM has been consumed with proper blending.
3e	Grade of mineral reject generation and threshold value declared	No Proposals	NIL	
3f	Quantity of sub-grade mineral generation	No Proposals	NIL	
3g	Grade of sub-grade mineral generation	No Proposals	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Proposed Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposals	NIL	
3j	Provision of drilling & blasting in mineral benches	Jack hammer drilling - One compressor-One	Hydraulic Rock breaker is deployed for breaking of insitu material	
3k	Provision of mining machineries in mineral benches	Excavator-06 Tipper-12 Rock Breaker-3	Excavator-02 Tipper-04 Rock Breaker-01	
3l	Whether height of benches in overburden and mineral suitable for	1 Bench of 6 m height proposed in Bauxite.	Height of bench in ore-6 m.	

	method of mining proposed in MP/SOM			
3m	Total area covered under excavation/pits	18.02 Ha. (Proposed five Block)	Actual working done in existing pit floor 1.015 Ha.	Less Production due to poor market Demand. Area not degraded.
3n	Ore to OB ratio for the pit/mine during the year	1:019	NIL	
3o	Total area put in use under different heads at the end of year	Pit-166.350 ha Top Soil- NIL Waste/reject-3.810 ha. Mineral Storage-10.66 ha Infrastructure & Road-7.638 ha. Others- 4.648 ha	Pit-167.365 ha Top Soil- NIL Waste/reject-3.810 ha. Mineral Storage-10.66 ha Infrastructure & Road-7.638 ha. Others- 4.648 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18= 3939878 MT 2018-19= 1840593 MT 2019-20= 1840725 MT 2020-21= 1840478 MT 2021-22= 1840392 MT	2017-18= 1017338 MT 2018-19= 259065 MT 2019-20 = 224919 MT 2020-21 = 155142 MT 2021-22 = 131561 MT	Less Production due to poor market Demand.
3q	General remarks of inspecting officer on method of mining etc.	Method of mining adopted is as per approved MP/RMP		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Concurrent use of OB top soil & proposed.	-	
4b	Location of topsoil, OB & mineral reject dumps	OB generated during mining Plan period will be backfilled in SW part of the mined out area	Entire OB generated during mining Plan period has been backfilled in SW Part of the mined out area as well as utilised in road preparation work.	Simultaneous backfilling
4c	Number of dumps within lease area and outside lease area	Not proposed	Nil	No Dump found in entire lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	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	Nil	Nil	
4k	Specific comments of inspecting officer	As reported No Solid waste generated.		

### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction	Partial Back filling under progress after full extraction of mineral	Area not matured for backfilled due to less production during the reporting year 2021-22
5b	Area under backfilling of mined out area	Partial	Partial	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Top soil to be utilised on backfilled & Plantation area.	Backfilled area & other plantation area.	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	Less production
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Some pits have been back filled by Topsoil after full extraction of mineral.		

### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (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.	Submitted	Submitted	
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	i) 18.02 Ha ii) 0.3145 Ha iii) NIL iv) 17.7131 Ha v) 200 M Fencing	i) NIL ii) 0.3 Ha iii) NIL iv) NIL v) 300 M	Less production due to Poor market demand.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i)1000 Saplings	i)1000 Sapling planted as per proposals	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NIL	Regular Monitoring	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP Compliance has been done, as per proposal.		

### 7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal made for manual sorting and sizing.	Grade -wise manual sorting and sizing.	Manual Sizing and sorting done
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Manually	Manually	
7d	Any beneficiation process at mines	Only manual sorting and sizing	Only manual sorting and sizing	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Beneficiation is being done at mines site by manual sorting and sizing.		

### 8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal made for the separate removal and spreading of top soil on the backfilled & Plantation area.	As per the proposal	
8b	Concurrent use or storage of topsoil	In approved MP soil was proposed to spread on backfilled & Plantation area.	As per the proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal for no external dump of overburden and waste rock	As per the proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal made for the backfilling of overburden/waste rock into the mined out pit.	As per the proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Part of the mineral exhausted pit to be backfilled and remaining part to be converted into water reservoir	As per the proposal	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation will be done on backfilled land & in statutory barrier. The species Neem Gulmohar and other local species will be planted. One person will be deputed for post plantation care such as watering, manuring etc.	Local species has been planted on the backfilled area and post plantation care such as watering and manuring etc. Being done.	
8g	Survival rate	-	52%	
8h	Water sprinkling on roads to control airborne dust	Water to be sprinkled on the haul road to suppress the dust being getting airborne	Mobile water tankers have been deployed for the purpose.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Mines is surround by the little vegetation with local species of plants.		

### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
1	Status of submission of Monthly and Annual returns	M.R. Submitted upto - May-2022 A.R. submitted upto- Year 2021-22	

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	1. Mining Engineer - K K CHOUDHARY 2. Geologist - JAGDISH JANGIR	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Covered under current (O/C) Workings – 167.365 Ha.  Reclaimed/Rehabilitated – 15.303 Ha.  Occupied by plant, buildings, residential, welfare buildings & roads – 7.638 HA.	
9d	Scrutiny of Annual return on afforestation	Yes	Number of trees planted during the year – 1000 Survival Rate – 52%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes	Mineral Rejects - NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Graded Ore	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes	Cost of Production – 627/-	
9i	Scrutiny of Annual return on fixed assets	Yes	Value of Fixed Assets (in ₹) 34888	
9k	Scrutiny of Annual return on mining machineries	Yes	Shovel – 02 Dumper – 05 Loader - 01	

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

Violation Cum-Showcause Notice was issued based on Office Record Under Rule 27(1) & 27(2) of MCDR 2017 dated – 08/04/2022

*Naman Ekka*  
12/8/22

Naman Ekka  
Senior Mining Geologist

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