

**MCDR INSPECTION INFORMATION SHEET**

**1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	<b>Asota-Mewasa Bauxite Mine</b>
1(b)	Name of I/ Officer & Designation	G. Ram, Senior Asst. Controller of Mines
1(c)	Accompanying Mines Representatives	Mr. Gunanand Roy ( Agent)
1(d)	Type of Inspection	MCDR/Star Rating
1(e)	Date of Inspection	15/07/2021
2	Total Lease Area (Ha) with, Non-forest, forest land	682.39 Hect. (Non-Forest land)
3	Mine code	07GUJ07002
4	IBM Registration Number under rule 45 of MCDR	IBM/902/2011
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	09.08.1958
17	Date of first Renewal, if applicable, period & expiry	08.08.1977
18	Date of second Renewal, if applicable, period & expiry	--
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	06.08.1997, Lease extended as per MMDR(A)Act,1957 & lease period valid up to 31.03.2030
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sh. Hemul Shah,302/303 Rahul Enclave A-Wing, Saibaba Nagar,Borivali-West, Mumbai- 400 092
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sh. Gunanand Roy w.e.f <b>24.08.2017</b> M/s.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	Sh. Kishor Kumar Choudhary w.e.f <b>15.02.2009</b> 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 w.e.f 15.02.2009 (B.E. Mining Engg) Jamnagar Dwarka Highway Opp. Ashok Petrol Pump P.O-Khambhalia, District- Devbhumi Dwarka(Gujarat) Mobile- 9925204390, Total experience: >10 Years
24	Whether Geologist and Mining Engineer appointed in mines satisfy rule 55,carrying out duties as per rule	Not appointed Geologist, VL pointed out in previous inspection & not complied.
25	Date of Approval of MP/MMP with five-year period and specific condition in approval letter, if any.	MP approved vide letter No-684(4)(1)MP-182/2018-GNR dated 11/12/2018 Validity-2018-19 to 2022-23
26	Date of Approval of SOM 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 dated 11/12/2018 Validity-2018-19 to 2022-23
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Opencast, U/G)	Opencast Working
29	Category (Fully Mech., Others/Manual)	Category-A , Mech.
30	Captive/Non Captive	Captive

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

**Exploration**

SN	Item	Proposals (2020-21)	Actual work	Remarks
1a	Backlog of previous year (2019-20)	70 Trial Pit proposed	dug 70 Trial Pit	VL pointed out.
1b	Exploration over lease area for Geo- axis 1 or 2.	73 Trial Pit (6mx6mx5m)	29 Trial Pit (6mx6mx5m)	
1c	Exploration Agency, Exp. in lakh Rs. during yr.	Lessee itself explore	Lessee itself explore	
1d	Balance area to be explored to bring Geo axis in 1/ 2	G1-396.11 Ha, G288.17Ha, G3-198.08 Ha.		
1e	Balance reserves as on 01.04.2021	Reserves-(111)=26862540T,(121)=11584670T,Total= 38447210T		
1f	General remarks of I/officer on Geology, exploration.	Part of lease area is still remains for further exploration.		

**2.0 Development**

SN	Item	Proposals (2020-21)	Actual work	Remarks
2a	Location of development w.r.t. lease area	five blocks, 1-Chapaldhar, 2-Bhopamadhi, 3-Khatladhar & Suradhar,4-Karandhar& 5-Karamkund.	Partly done in proposed due to lagging.	Water logged pits observed.
2b	Separate benches in topsoil, OB and mineral	One Bench	One Bench	
2c	Stripping ratio, ore to OB	1:000	1:000	
2d	Quantity of topsoil in m <sup>3</sup>	1525 M <sup>3</sup>	NIL	

2e	Quantity of OB in m3	No Proposals	NIL	
2f	General remarks of I/O on development of pit w.r.t. type of deposit etc.	ML area is developed by various mine pits.		

### 3.0 Exploitation

SN	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	five blocks, as earmarked	Partially achieved	Legging in ROM
3b	Quantity of ROM mineral production proposed	18,40,478 T	1,55,142 T	
3c	Recovery of salable /usable mineral from ROM production	Not proposed	100%(with proper blending)	
3d	Quantity of mineral reject generation	No Proposals	NIL	
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 / Mech. method adopted for segregating from ROM	Mech./ Manual	Mech./ Manual	
3i	Any analysis or beneficiation study proposed	No Proposals	NIL	
3j	Provision of drilling & blasting in mineral benches	Jack hammer drilling - One compressor-One	Hydraulic Rock breaker /Excavator	
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 OB and mineral suitable for method of mining proposed in MP/SOM	1 Bench of 6 m height	Height of bench in ore 2-6 m.	
3m	Total area covered under excavation/pits 80.0208 Ha. Proposed five year plan period	Avg-16Ha/Yr.	1Ha insitu & 5Ha broken /Yr.	Legging in ROM
3n	Ore to OB ratio for the pit/mine during the year	1:00	1:00	
3o	Total area put in use under different heads at the end of year	Pit-165.321 ha, Waste-3.810 ha. Mineral Storage-6.2725 ha Infr. & Road-7.639 ha. Others-1.91 ha	Pit-166.35 ha Waste/-3.81 ha. Mineral Storage-10.66 ha Infra. & Road-7.638 ha.Others-2.39 ha	Reclamation-15 ha & plantation-4Ha
3p	Production of ROM mineral during last five-year period, as applicable	2016-17= 39,56,000 T 2017-18= 39,39,878 T 2018-19= 18,40,593 T 2019-20= 18,40,725 T 2020-21= 18,40,478 T 2021-22= 18,40,393T	2016-17= 18,39,013T 2017-18= 10,17,338T 2018-19= 2,59,065 T 2019-20 = 2,24,919 T 2020-21 = 1,55,142 T 2021-22= 62,982T	Less Production due to poor market Demand.  Till June,21
3q	General remarks of inspecting officer on method of mining etc.	Mechanised Opencast method of mining with rock breaker & excavator are using with tipper combination.		

### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	1525 M <sup>3</sup>	NIL	
4b	Location of topsoil, OB, mineral reject dumps	Top Soil proposed	Using for plantation	
4c	Number of dumps within ML	Not proposed	Nil	
4d	Location of dumps w.r.t. UPL	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 /garland drain all along dumps are there	Nil	NIL	
4i	Length of Retaining wall/ garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	NIL	
4k	Specific comments of inspecting officer	NIL		

### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
5a	Status on part/ full extraction of mineral from mined out area before backfilling	Not proposed	NIL	
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)	Top soil to be utilised on Plantation area.	plantation area.	
5d	Total area fully reclaimed & rehabilitated	Not proposed	NIL	
5e	General remarks of I/Officer on backfilling, reclamation.			

### 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	VL pointed out under rule26(2)

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	21.35 Ha 0.0536 Ha NIL 21.30 Ha 200 M Fencing	NIL NIL NIL NIL NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	1000 Saplings	260 Sapling planted as per proposals	VL pointed out.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed periodically as per IBM/MoEF	Monitoring by third party	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP compliance is not up to mark since afforestation /reclamation is done in very less area..		

### 7.0 Mineral Conservation

SN	Item	Proposals (2020-21)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	manual sorting and sizing.	Grade-wise manual sorting and sizing.	
7b	Method of grade-wise sorting i.e. manual/ mechanical	Manual/Mech.	Manual/Mech.	
7c	Different grade of mineral sorted out	Manual/Mech.	Manual/Mech.	
7d	Any beneficiation process at mines	manual sorting & sizing	manual sorting, sizing	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	manual sorting and sizing of mineral as per plant requirement. No any other beneficiation is done.		

### 8.0 Environment

SN	Item	Proposals (2020-21)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Proposal for separate removal of OB/topsoil	YES	
8b	Concurrent /storage of topsoil	Not proposed	NIL	
8c	Separate dumps for OB, waste, rejects & fines	No OB proposed	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring land its original use	Not proposed	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Not proposed	As per the proposal	
8f	Baseline information on existence of plantation & additional plantation done	Not proposed	About 15Ha area plantation	
8g	Survival rate	1000 Nos	260 Nos.	50% survival
8h	Water sprinkling on roads to control dust	Water to be sprinkled	Mobile water tankers	
8i	General remarks of I/O on aesthetic beauty in and around mines area			

### 9.0 Compliance of Rule 45

SN	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	Submitted-M.R. June-2021 (10.6.21), A.R- 2020-21 (28.6.21)		
SN	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per Given in AR	Geologist is not appointed full time. VL pointed out.	VL pointed out for deficiencies/ Ex Mine price reported in monthly return in varying abnormal.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Pit-166.35Ha, Recl.-19ha,waste-3.8ha, Infra-7.6,mineral Storage-13Ha	
9d	Scrutiny of Annual return on afforestation		260 (50%Survival)	
9e	Scrutiny of Annual return on mineral reject generation		NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		675Rs/T (Cement) 687Rs/T (Abrasive)	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		Yes,	
9i	Scrutiny of Annual return on fixed assets		Yes given	
9k	Scrutiny of Annual return on mining machineries		Yes	

10-Details of violations observed during current inspection and compliance position of earlier violation pointed out:- Previous inspection, violation of rule 11(1) & 55(1) is partly submitted by lessee & accordingly complied. In present inspection, violation of rules 11(1), 26(2), 33, 45(7) & 55(1) pointed out & under process. Star Rating validation done (3Star).