

INDIAN BUREAU OF MINES

--:-- Inspection Report --:--

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	07GUJ07004	Lease Area (Ha) :	50.18
Forest Area (Ha) :	N/A	Mine Code :	07GUJ07004
Registration Number :	IBM/246/2011	Name of lessee :	ORIENT ABRASIVES LIMITED
Address of lessee :	GIDC INDUSTRIAL AREA ,PORBANDAR, PORBANDAR	Phone of lessee :	-
Email of lessee :	Orientkhambhalia@gmail.com	Fax Number :	N/A
Village :	Mevasa	Taluka / Mandal :	Kalyanpur
District :	Devbhumi Dwarka	Pincode :	360577
State :	Gujarat	Post Office :	N/A
Nearest Police Station :	Bhatia	Nearest Railway Station :	Bhatia
Date of Grant of Mining Lease :	1981-10-05	Date of Mining Lease Execution :	1981-10-05
Date of opening in the mine :	1981-10-05		

Nominated Owner Details			
Name of the Nominated Owner :	Mr Manubhai Sumabhai Rathod	Nominated Owner Address:	Jamnagar Dwarka Highway, Jam-Khambhalia
Nominated Owner Mobile :	9925204400	Nominated Owner Email :	Mrathod@oalmail.co.in
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2017-06-13
Mining Engineer Details			
Name of the Mining Engineer :	Shri Ajay A. Zala	Qualification of Mining Engineer :	B.E (mining)
Address of Mining Engineer :	M/s.Orient Abrasives Ltd. Nandana-I Bauxite Mines, Nandana, Kalyanpur-361315 District- Devbhumi Dwarka. (Gujarat)	Phone of Mining Engineer :	8153053013
Email of Mining Engineer :	Ajayzala.za@gmail.com	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2023-08-25		
Geologist Details			
Name of the Geologist :	Ram Singh Parihar	Qualification of Geologist :	M.Sc (Geology)
Address of Geologist :	M/s.Orient Abrasives Ltd. Nandana-I Bauxite Mines, Nandana, Kalyanpur-361315 District- Devbhumi Dwarka. (Gujarat)	Phone of Geologist :	8770949674
Email of Geologist :	N/A	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2023-10-04		
Mine Manager Details			
Name of the Mine Manager :	Shri Ajay A. Zala	Qualification of Mine Manager :	B.E. (Mining)

Address of Mine Manger :	M/s.Orient Abrasives Ltd. Nandana-I Bauxite Mines, Nandana, Kalyanpur-361315 District- Devbhumi Dwarka. (Gujarat)	Phone of Mine Manger :	8153053013
Email of Mine Manger :	Ajayzala.za@gmail.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2023-08-25		
Mineral(s) granted in lease and proved for mining :	BAUXITE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	N/A
Method of mining :	Open Cast	Category :	OTHER_THAN_MECHANISED
Nature of Use :	Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	Mandha Gunasekhar Reddy
Designation :	Inspection Officer
Name of the Accompanying Official from Mine :	Shri Gunanand Roy
Designation of the Accompanying Official :	Agent
Type of Inspection :	MCDR,STR
Date of Inspection :	13/12/2025
Review year considered for MCDR Inspection :	2024-2025

Final Submitted

2.2.1 : Exploration Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of Core Boreholes	Nil	9 Bore holes	9 Bore holes done instead of 3 trail pits	No Violation
Remark: Current year 3 and future proposal 6 total 9 borehole drilled Boreholes have been done this year 2024-25 Remark File: NIL					
2	Number of DTH Boreholes	Nil	Nil	Nil	No Violation
Remark: NIL Remark File: NIL					
3	Number of exploratory pits / trial pits	3 Trail pits	NIL	CORE BORING DONE	No Violation
Remark: 9 Bore holes done instead of 3 trail pits Remark File: NIL					
4	Number of exploratory Trenches	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
5	Lateral exploration status for the lease area - G1	45.33	50.83	-5.500	No Violation
Remark: Total Area is under G1. Remark File: NIL					

6	Lateral exploration status for the lease area-G2	5.5	Nil	5.500	No Violation
Remark: Total Area is under G1. Remark File: NIL					
7	Lateral exploration status for the lease area-G3	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
8	Lateral exploration status for the lease area-G4	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
9	UNFC category wise reported Resources/Reserves as per MP/MMP ROMP Total Reserves (111, 121 & 122) and Total Mineral Resources (331, 332 & 333 upto 334)	as per plan	111 3609013MT 122 0 221 657328MT Total-4266341	NIL	No Violation
Remark: NIL Remark File: NIL					

2.3.1 : Development - Opencast Details

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S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Location of development w.r.t. lease area	E532856 to E532848, N2457530 to N2457373 & E533122 to E533112, N2457563 to N2457614	As per proposals		No Violation
Remark: NIL Remark File: NIL					
2	Quantity of overburden generation in m3	5860 t	3115 t	2745.000 t	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Quantity of topsoil generation in m3	164 m3	164 m3	Nil	No Violation
Remark: NIL Remark File: NIL					
4	Stripping ratio : ore to OB ratio	1:0.11	1:0.05	Nil	No Violation
Remark: NIL Remark File: NIL					

2.4.1 Exploitation - Opencast Mine Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under
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					Rule
1	Number of pits / Blocks proposed for production	As per Mine plan Pit no. 2,11,15 is proposed for working	At the time of inspection it is observed that workings in Pit no. 2,11	No production done in pit no 15 in FY 2024-2025	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	55274	34725	20549.000	No Violation
Remark: Production is low due to lack of demand. Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	100	100	0.000	No Violation
Remark: NIL Remark File: NIL					
4	Quantity of mineral reject/Sub-grade generation	NIL	NIL	Nil	No Violation
Remark: NIL Remark File: NIL					
5	Grade of mineral reject/sub-grade generation as per threshold value declared	NIL	NIL	Nil	No Violation
Remark: NIL Remark File: NIL					
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	Manual	Manual	Nil	No Violation
Remark: NIL					

Remark File: NIL					
7	Whether height of benches in Overburden& mineral suitable for method of mining proposed in mining plan	1 Bench of 5 m height in Bauxite. 1 Bench of 1.2 m height in Overburden	1 Bench of 5 m height in Bauxite. 1 Bench of 1.2 m height in Overburden	Nil	No Violation
Remark: NIL Remark File: NIL					
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	Nil	No Violation
Remark: NIL Remark File: NIL					

2.4.3 : Exploitation - Dump Working Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Number of dumps proposed for production	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of dump material handling Proposed (in Tonne)	NIL	NIL	NIL	No Violation

Remark: NIL Remark File: NIL					
3	Recovery of salable/usable mineral from dump production (in Tonne)	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
4	Production from dump(s) during the year	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
5	Quantity of mineral reject generation	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
6	Grade of mineral reject generation and threshold value declared	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
7	Any analysis or beneficiation study proposed & carried out for mineral reject	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
8	Manual / Mechanized method adopted for dump working	NIL	NIL	NIL	No Violation
Remark: NIL					

Remark File: NIL

2.5.1 : OB/Waste Dumps Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Backfilling in PIT (AV2P7)	Backfilling in PIT (AV2P7)	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	E533165 N2457537	Half of backfilling is as per proposal and half backfilled in 25-26 proposals.	Back filling is not as per proposal	Rule 11(1)
Remark: Half of backfilling is as per proposal and half backfilled in 25-26 proposals Remark File: NIL					
3	Number of active & Inative dumps	01 (AV2OB1)	01 (AV2OB1)	NIL	No Violation
Remark: NIL Remark File: NIL					
4	Number of dead dumps	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
5	Number of dumps	NIL	NIL	NIL	No

	proposed for stabilised				Violation
Remark: NIL Remark File: NIL					
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					

2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Status on part or full extraction of mineral from mined out area before starting backfilling	Pit No.AV2P7 is mines out pit as per mine plan	It is observed that the backfilling is being done in Pit No.AV2P7.	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Year-wise area under backfilling of mined out area	0.0698 Ha	0.0698 Ha	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Year-wise topsoil generation, Utilization	164 m3	164 m3	NIL	No Violation

	and Stored proposal (in m3)				n
Remark: NIL Remark File: NIL					
4	Total area fully reclaimed & rehabilitated	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
5	Locations of proposed reclamation & rehabilitated	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					

2.7.1 : Progressive Mine Closure Plan (PMCP) Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	As per Mine plan 1.50 Ha. & 500 Sapling is proposed for plantation. above the backfilling pit	At the time of inspection it is observed that 0.30Ha. & only 250 Sapling found with low survival rate.	Plantation is not as per proposal	Rule 11(1)
Remark: Plantation is not as per proposal Remark File: NIL					

2	Rehabilitation by making water reservoir	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
4	Compliance of Environmental monitoring (core zone & buffer zone)	Quarterly Monitoring should be Carried out	Environmental Monitoring NABL Approved agency has been done air, water, noise (Core and Buffer Zone)	NIL	No Violation
Remark: NIL Remark File: NIL					

2.8.1 : Mineral Conservation Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal made for manual sorting and sizing.	Manual sorting and sizing.	NIL	No Violation
Remark: NIL					

Remark File: NIL					
2	Different grade of mineral sorted out at mines	Cement, Abrasives, Refractory	Cement, Abrasives, Refractory	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Any beneficiation process at mines	Only Manual sorting and sizing	Manual sorting and sizing	NIL	No Violation
Remark: NIL Remark File: NIL					
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					

2.9.1 : Environment Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Separate removal and utilization of topsoil	Proposal made for the separate removal and spreading of top soil on the backfilled area.	Separate removal and spreading of top soil on the backfilled area	NIL	No Violation
Remark: NIL Remark File: NIL					

2	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.	Backfilling of overburden/waste rock into the mined out pit.	NIL	No Violation
Remark: NIL Remark File: NIL					
3	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	Back Filling is in progress in Av2P7 pit.	NIL	No Violation
Remark: NIL Remark File: NIL					
4	Plantation & Survival rate	500 sapling & 50%	500 sapling & 50% is observed	NIL	No Violation
Remark: NIL Remark File: NIL					
5	Water sprinkling on roads to control airborne dust	Water to be sprinkled on the haul road to suppress the dust being getting airborne	water tanker have been deployed for the purpose	NIL	No Violation
Remark: NIL Remark File: NIL					

2.10 : Annual Return Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
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1	Submission of Online Monthly and Annual returns in prescribed period or not	As per MCDR,2017	M.R. Submitted timely in 24-25 FY A.R. submitted up to FY 2024 -2025	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	As per MCDR,2017	Shri Jaydeep Paradva BE Mining Engineering / Second Class Shri Kalpesh Kodavala M.sc Geology	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	cost of production is 1160 per Annual Return	cost of production is 1160 per Annual Return	NIL	No Violation
Remark: NIL Remark File: NIL					

2.11 : SDF Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violatio n under Rule
1	Start Ratings accorded for mine during last 3 years	Atleast 3 star should be maintained	22-23 : 3 STAR; 23-24: 3 STAR ; 24-25 : 4 STAR self assed by leasse	NIL	No Violatio n
Remark: NIL Remark File: NIL					

Part-III : Other Reports

3.1.1 : Upload Other Reports

S.N.	Reports File	Remark File Description
1	177061330169896a355a8a707004.pdf	The satelite data submitted is not as per SOP, refered back for correction
2	17712325056992dcf96c63emidpas07004.pdf	Nil

Part-IV : Summary Details

4.1 : Summary of Violations

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Development - Opencast : Quantity of overburden generation in m ³	5860 t	3115 t	2745.000 t	Rule 11(1)
Remark: NIL Remark File: NIL					
2	OB / Waste Dumps details : Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	E533165 N2457537	Half of backfilling is as per proposal and half backfilled in 25-26 proposals.	Back filling is not as per proposal	Rule 11(1)
Remark: Half of backfilling is as per proposal and half backfilled in 25-26 proposals Remark File: NIL					
3	Progressive Mine Closure Plan : Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	As per Mine plan 1.50 Ha. & 500 Sapling is proposed for plantation. above the backfilling pit	At the time of inspection it is observed that 0.30Ha. & only 250 Sapling found with low survival rate.	Plantation is not as per proposal	Rule 11(1)
Remark: Plantation is not as per proposal Remark File: NIL					
4	Development - Opencast: Quantity of overburden generation	5860 t	3115 t	2745.000 t	Rule 11(1)

	in m3				
Remark: NIL Remark File: NIL					
5	Exploitation - Opencast Mine: Number of pits / Blocks proposed for production	Pit no. 2,11,15	Pit no. 2,11	no work done in pit no 15	Rule 11(1)
Remark: NIL Remark File: NIL					
6	OB / Waste Dumps details: Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	E533165 N2457537	Half of backfilling is as per proposal and half backfilled in 25-26 proposals.	Back filling is not as per proposal	Rule 11(1)
Remark: NIL Remark File: NIL					
7	Progressive Mine Closure Plan: Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	1.50 Ha. & 500 Sapling	0.30Ha. & only 250 Sapling survived.	Half the plantation is in 24-25 FY; remaining Half in 25-26 proposal due to lack of backfilling in the prescribed area.	Rule 11(1)
Remark: NIL Remark File: NIL					

Esigned by: Mandha Gunasekhar Reddy
 Date: 19/02/2026 04:34:40 PM