

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	NANDANA I	Lease Area (Ha) :	50.83
Forest Area (Ha) :	N/A	Mine Code :	07GUJ07045
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 :	Nandana	Taluka / Mandal :	Kalyanpur
District :	Devbhumi Dwarka	Pincode :	360577
State :	Gujarat	Post Office :	N/A
Nearest Police Station :	N/A	Nearest Railway Station :	N/A
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 :	Orientkhambhalia@gmail.com	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 :	Assistant Controller Of Mines
Name of the Accompanying Official from Mine :	Shri Gunanand Roy
Designation of the Accompanying Official :	Agent
Type of Inspection :	STR
Date of Inspection :	14/12/2025
Review year considered for MCDR Inspection :	2024-2025

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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	09 bore holes	Current year 3 and future proposal 6 total 9 borehole drilled Boreholes have been done this year 2024-25	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	03 Trial Pits	09 bore holes did instead of trail pits	core boring done instead of trail pits	No Violation
Remark: NIL 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 Ha	50.83 Ha.	NIL	No Violation
Remark: NIL Remark File: NIL					

6	Lateral exploration status for the lease area-G2	5.5 Ha.	Nil	Nil	No Violation
Remark: NIL 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)	111 2340491 MT 122 0 221 909763 MT Total-3,250,254 MT	111 2503773 MT 122 0 221 1240129 MT Total-3,743,902 MT	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	N527849 to E2451471 & N527938 to E2451402, N528393 to E2450875 & N528396 to E2451088 , N528097 to E2450707 & N528156 to E2450807	N527849 to E2451471 & N527938 to E2451402, N528393 to E2450875 & N528396 to E2451088 , N528097 to E2450707 & N528156 to E2450807	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of overburden generation in m3	No proposals	6700 m3	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Quantity of topsoil generation in m3	9477 m3	6700 m3	2777	No Violation
Remark: NIL Remark File: NIL					
4	Stripping ratio : ore to OB ratio	1.0.11	1.012 As Per Working	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
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					n under Rule
1	Number of pits / Blocks proposed for production	Pit no. N1P2 & N1P7	Pit no. N1P2 & N1P7	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Quantity of ROM mineral production proposed (in T)	125619	92810	32809.000	No Violation
Remark: Production done as per market demand. Remark File: NIL					
3	Recovery of salable/usable mineral quantity from ROM production in T)	100%	100%	NIL	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	OB Bench- Nil 1 Bench of 5 m height in Bauxite.	OB Bench- Nil 1 Bench of 5 m height in Bauxite.	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)	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	NIL	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Number of active & Inative dumps	NIL	NIL	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. N1P10	Pit No. N1P10	NIL	No Violation
Remark: NIL Remark File: NIL					
2	Year-wise area under backfilling of mined out area	1.0325 Ha.	Not as per proposals.	No backfilling done in proposed area	Rule 11(1)
Remark: NIL Remark File: NIL					
3	Year-wise topsoil generation, Utilization and Stored proposal (in	9477 m3	6700 m3	2777 m3	No Violation

	m3)				
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.	0.15 Ha. & 500 Sapling	No saplings found in area	500 saplings need to be planted	Rule 11(1)
Remark: Both Backfilling and plantation pending in the proposed area Remark File: NIL					
2	Rehabilitation by	NIL	NIL	NIL	No

	making water reservoir				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 need to be Carried out	As per proposals	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	Only 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,	Proposal made for the backfilling of	Backfilling not done in proposed mined out pit.	Backfilling not done as per proposal	Rule

	waste rock, rejects and fines dumps for restoring the land to its original use	overburden/waste rock into the mined out pit.			11(1)
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	NIL	NIL	No Violation
Remark: NIL Remark File: NIL					
4	Plantation & Survival rate	500 sapling & 50% Survival Rate	No Saplings found in the proposed area	Plantation not as per proposal	Rule 11(1)
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 tankers 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
1	Submission of Online	As per MCDR,2017.	M.R. Submitted in FY 2024-25 within time. A.R.	NIL	No

	Monthly and Annual returns in prescribed period or not		submitted up to- Year 2024-25 with in time frame		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.	Mining Engineer: Shri Ajay Zala Geologist: Shri Ramsigh Parihar	NIL	No Violation
Remark: NIL Remark File: NIL					
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	NA	NA	NA	No Violation
Remark: NIL Remark File: NIL					
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	NA	NA	NA	No Violation
Remark: NIL Remark File: NIL					
5	Notices and Returns for the lease area submitted or not where fine applicable	NA	NA	NA	No Violation
Remark: NIL Remark File: NIL					
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	As per Annual Return.	Cost of production is 1080 as per Annual return.	NIL	No Violation
Remark: NIL Remark File: NIL					

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2.11 : SDF Details

S.N	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule
1	Start Ratings accorded for mine during last 3 years	As per MCDR,2017	2022-23-3 Star 2023-24-4 Star 2024-25-4 star(self assessed by lease)	NIL	No Violation
Remark: NIL Remark File: NIL					

Part-III : Other Reports

3.1.1 : Upload Other Reports

S.N.	Reports File	Remark File Description
1	1770959357698eb1fd1980207045.pdf	satelite Ortho is not clear refered back for correction.

Final Submitted

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	Solid Waste Management - Backfilling (Opencast) : Year-wise area under backfilling of mined out area	1.0325 Ha.	Not as per proposals.	No backfilling done in proposed area	Rule 11(1)
Remark: NIL Remark File: NIL					
2	Progressive Mine Closure Plan : Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	0.15 Ha. & 500 Sapling	No saplings found in area	500 saplings need to be planted	Rule 11(1)
Remark: Both Backfilling and plantation pending in the proposed area Remark File: NIL					
3	Environment : 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 not done in proposed mined out pit.	Backfilling not done as per proposal	Rule 11(1)
Remark: NIL Remark File: NIL					
4	Environment : Plantation & Survival	500 sapling & 50% Survival Rate	No Saplings found in the proposed area	Plantation not as per proposal	Rule 11(1)

rate

Remark: NIL
Remark File: NIL

Final Submitted

Esigned by: Mandha Gunasekhar Reddy
Date: 16/02/2026 02:07:43 PM