

INDIAN BUREAU OF MINES

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

Part-I : General Information

1.1.1 Mine Details

Name of the Mine :	30MSH28012	Lease Area (Ha) :	27.4520
Forest Area (Ha) :	N/A	Mine Code :	30MSH28012
Registration Number :	IBM/6218/2011	Name of lessee :	MINERALS & METALS
Address of lessee :	34,AUSHUTOSH ,NAPEAN SEA ROAD , MUMBAI	Phone of lessee :	022-23636207
Email of lessee :	Mineralsandmetalstalawane@gmail.com	Fax Number :	N/A
Village :	Redi	Taluka / Mandal :	Vengurla
District :	SINDHUDURG	Pincode :	400036
State :	Maharashtra	Post Office :	N/A
Nearest Police Station :	Vengurla	Nearest Railway Station :	Sawantwadi
Date of Grant of Mining Lease :	2020-02-27	Date of Mining Lease Execution :	2020-02-27
Date of opening in the mine :	2022-11-18		

Nominated Owner Details			
Name of the Nominated Owner :	Mr SANDEEP SHYAMKUMAR SHRIVASTAVA	Nominated Owner Address:	301 SPRING LEAF PLOT NO 298 KHAR WEST MUMBAI
Nominated Owner Mobile :	9820021335	Nominated Owner Email :	Sandeepshrivasta@hotmail.com
Nominated Owner Fax Number :	Nil	Date of Nominated Owner Appointment :	2020-04-01
Mining Engineer Details			
Name of the Mining Engineer :	Shri Vijay Waghmare	Qualification of Mining Engineer :	BE-Mining
Address of Mining Engineer :	M/s Minerals & Metals; P. O. Redi, Taluka Vengurla, District. Sindhudurg (Maharashtra) 416517	Phone of Mining Engineer :	9673667957
Email of Mining Engineer :	Vijaywaghmare.2008@rediffmail.com	Fax Number of Mining Engineer :	N/A
Date of Mining Engineer Appointment :	2022-03-04		
Geologist Details			
Name of the Geologist :	Shri Sandeep Sadashiv Kumbhar	Qualification of Geologist :	M.Sc. Geology
Address of Geologist :	M/s Minerals & Metals; P. O. Redi, Taluka Vengurla, District. Sindhudurg (Maharashtra) 416517	Phone of Geologist :	7588869990
Email of Geologist :	Sandy41181@gmail.com	Fax Number of Geologist :	N/A
Date of Geologist Appointment :	2023-06-08		
Mine Manager Details			
Name of the Mine Manager :	Shri Pradosh Govind Gaonkar	Qualification of Mine Manager :	BE Mining

Address of Mine Manger :	M/s Minerals & Metals; P. O. Redi, Taluka Vengurla, District. Sindhudurg (Maharashtra) 416517	Phone of Mine Manger :	8007810819
Email of Mine Manger :	Pradoshg1432@gmail.com	Fax Number of Mine Manger :	N/A
Date of Mine Manger Appointment :	2020-03-04		
Mineral(s) granted in lease and proved for mining :	IRON ORE	Date of Approval of Mining Plan / Modified Mining Plan / ROMP with five-year period :	2024-10-14 (2024 - 2028)
Method of mining :	Open Cast	Category :	OTHER_THAN_MECHANISED
Nature of Use :	Non Captive		

Part-II : Other Information

2.1.1 : Inspection Details

Inspecting Officer :	KRISHNENDU CHATTERJEE
Designation :	SMG
Name of the Accompanying Official from Mine :	Nil; Virtual Inspection
Designation of the Accompanying Official :	Nil
Type of Inspection :	MCDR
Date of Inspection :	28/03/2025
Review year considered for MCDR Inspection :	2023-2024

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2.2.1 : Exploration Details

S.N.	Items for Reporting		As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of Core Boreholes		08 Nos. (480m)	11 no of Boreholes (510m)	Nil	No Violation	Nil	Nil
2	Number of DTH Boreholes		No proposal	Nil	Nil	No Violation	Nil	Nil
3	Number of exploratory pits / trial pits		No proposal	Nil	Nil	No Violation	Nil	Nil
4	Number of exploratory Trenches		No proposal	Nil	Nil	No Violation	Nil	Nil
5	Lateral exploration status for the lease area	G1	3.1443 Ha.	3.1443 Ha.	Nil	No Violation	Non-mineralized area: 17.6719 Ha.	Nil
6		G2	2.3290 Ha.	2.3290 Ha.	Nil	No Violation	Nil	Nil
7		G3	3.8922 Ha.	3.8922 Ha.	Nil	No Violation	Nil	Nil
8		G4	No Proposal	Nil	Nil	No Violation	Nil	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)		Total Reserve: 940,673 tonnes. Remaining Resources: 1,237,391 tonnes.	Total Reserve: 840,574.66 tonnes. Remaining Resources: 1,237,391 tonnes.	Depletion of reserve by concurrent mine production.	No Violation	Nil	Nil

2.3.1 : Development - Opencast Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Location of development w.r.t. lease area	Proposed in Block 3; N1741168 to N1741319 & E358532 to E358733	Development location in Block 3, No change in development location.	Nil	No Violation	Nil	Nil
2	Quantity of overburden generation in m3	60,000 m3	11,500 m3	Waste generation during FY 2023-24 was less than planned due to negative exploration outcome. Further to mitigate any change in future development because of this deviation, lessee submitted modification in the mining plan which was approved on 14/10/2024.	No Violation	Nil	Nil
3	Quantity of topsoil generation in m3	754 m3	176 m3	Actual topsoil generation was	No Violation	Nil	Nil

				less than proposed due to variable thickness.			
4	Stripping ratio : ore to OB ratio	1: 0.6	1:0.23	Nil; Lessee submitted modification in the mining plan which was approved on 14/10/2024.	No Violation	Nil	Nil

2.4.1 Exploitation - Opencast Mine Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of pits / Blocks proposed for production	Single pit proposed in block 3.	Single pit in block 3.	Nil	No Violation	Nil	Nil
2	Quantity of ROM mineral production proposed (in T)	2,00,000 tonnes	100098.34 tonnes production reported in FY2023-24	Production was less in F.Y 2023-24 due to negative exploration output.	No Violation	Nil	Nil
3	Recovery of salable/usable mineral quantity from ROM production in T)	100% proposed.	100% recovery.	Nil	No Violation	Nil	Nil
4	Quantity of mineral reject/Sub-grade	No proposal	Nil	Nil	No Violation	Nil	Nil

	generation						
5	Grade of mineral reject/sub-grade generation as per threshold value declared	No proposal	Not applicable	Nil	No Violation	Nil	Nil
6	Manual/Mechanised method adopted for segregating subgrade/mineral rejects from ROM	No proposal	Not applicable	Nil	No Violation	Nil	Nil
7	Whether height of benches in Overburden & mineral suitable for method of mining proposed in mining plan	6m of bench height proposed.	Average bench height maintained by 5 to 6m.	Nil	No Violation	Nil	Nil
8	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	Nil	No Violation	Nil	Nil

2.4.3 : Exploitation - Dump Working Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Number of dumps proposed for production	2 nos. of Dumps proposed within the ML area.	1 no. of waste dump was constructed (Dump-1).	Initially, two nos. of waste dumps proposed during F.Y. 2023-24 to accommodate the waste. However, only 11,500 m ³ of waste was	No Violation	Nil	Nil

				generated in F.Y 2023-24 which was dumped in a single dump (Dump-1).			
2	Quantity of dump material handling Proposed (in Tonne)	No proposal	Nil	Nil	No Violation	Nil	Nil
3	Recovery of salable/usable mineral from dump production (in Tonne)	No proposal	Not applicable	Nil	No Violation	Nil	Nil
4	Production from dump(s) during the year	No proposal	Not applicable	Nil	No Violation	Nil	Nil
5	Quantity of mineral reject generation	No proposal	Not applicable	Nil	No Violation	Nil	Nil
6	Grade of mineral reject generation and threshold value declared	No proposal	Not applicable	Nil	No Violation	Nil	Nil
7	Any analysis or beneficiation study proposed & carried out for mineral reject	No proposal	Not applicable	Nil	No Violation	Nil	Nil
8	Manual / Mechanized method adopted for dump working	No proposal	Not applicable	Nil	No Violation	Nil	Nil

2.5.1 : OB/Waste Dumps Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
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1	Separate dumping of topsoil, OB & mineral rejects, fines, tailings (Rule 36,37)	Separate disposal of topsoil and OB proposed.	Topsoil and OB waste were separately stacked.	Nil	No Violation	Nil	Nil
2	Location of Topsoil, OB/Waste, Mineral Reject dumps, Tailings and Fines	Proposed in Block 3 (Southern side).	Top soil and waste dump were located at Block 3, Southern side.	Nil	No Violation	Nil	Nil
3	Number of active & Inative dumps	2 nos. of Dumps proposed within the ML area.	1 no. of waste dump is constructed (Dump-1).	Two nos. of waste dumps proposed during F.Y. 2023-24 to accommodate 60,000 m3 of waste. However, only 11,500 m3 of waste was generated in F.Y 2023-24 which was dumped in a single dump (Dump-1).	No Violation	Nil	Nil
4	Number of dead dumps	No proposal	Nil	Nil	No Violation	Nil	Nil
5	Number of dumps proposed for stabilished	No proposal	Nil	Nil	No Violation	Nil	Nil
6	Stabilization Technique (Terracing, plantation, geo-textiles etc.)	Plantation proposed.	By plantation.	Nil	No Violation	Nil	Nil

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2.6.1 : Solid Waste Management - Backfilling (Opencast) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	Nil	No Violation	Mine pit is not matured for backfilling since mineral persists at the bottom of mine workings.	Nil
2	Year-wise area under backfilling of mined out area	No proposal	Nil	Nil	No Violation	Nil	Nil
3	Year-wise topsoil generation, Utilization and Stored proposal (in m3)	754 m3 proposed.	176 m3 topsoil removed and stacked separately.	Actual topsoil handling was less due to variable thickness.	No Violation	Nil	Nil
4	Total area fully reclaimed & rehabilitated	No proposal	Not applicable	Nil	No Violation	Nil	Nil
5	Locations of proposed reclamation & rehabilitated	No proposal	Not applicable	Nil	No Violation	Nil	Nil

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2.7.1 : Progressive Mine Closure Plan (PMCP) Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Compliance on reclamation and rehabilitation by backfilling/Other means Total area and numbers of plantation proposed.	675 nos. plantation proposed.	675 nos. plantation carried out.	Nil	No Violation	Nil	Nil
2	Rehabilitation by making water reservoir	No proposal	Nil	Nil	No Violation	Nil	Nil
3	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	Nil	Nil	No Violation	Nil	Nil
4	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed.	Carried out in periodic manner and parameters were found within limit.	Nil	No Violation	Nil	Nil

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2.8.1 : Mineral Conservation Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within lease area	Grade wise sorting	Nil	No Violation	Nil	Nil
2	Different grade of mineral sorted out at mines	Proposed for all +45% Fe.	Dispatch reported for 51% to 55% Fe and 55% to 58% Fe (Lumps & Fines).	Nil	No Violation	Nil	Nil
3	Any beneficiation process at mines	No proposal	Nil except crushing and dry screening.	Nil	No Violation	Nil	Nil
5	Utilization of Mineral Rejects or Sub-grade (Blending at ROM stage, Blending after Processing etc.)	No proposal	Nil	Nil	No Violation	Nil	Nil

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2.9.1 : Environment Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Separate removal and utilization of topsoil	Proposed.	Separate removal and concurrent use of top soil was carried out.	Nil	No Violation	Nil	Nil
2	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed during conceptual stage.	Not applicable as of now.	Nil	No Violation	Nil	Nil
3	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil	No Violation	Nil	Nil
4	Plantation & Survival rate	675 nos.	675 nos; survival rate approx. 80%.	Nil	No Violation	Nil	Nil
5	Water sprinkling on roads to control airborne dust	Proposed.	Water tanker arrangement for water sprinkling on mine roads has been made.	Nil	No Violation	Nil	Nil

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2.10 : Annual Return Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Submission of Online Monthly and Annual returns in prescribed period or not	Proposed.	A.R. Submitted up to 2023-2024. Monthly Returns during 2023-24 submitted regularly.	Nil	No Violation	Nil	Nil
2	Appointment of Mining Engineer & Geologist as per provisions of Rule 55 of MCDR,2017	Proposed.	Mining Engineer: Shri Vijay Madhavrao Waghmare. Geologist: Shri Sandeep Sadashiv Kumbhar.	Nil	No Violation	Nil	Nil
3	Whether incomplete or false or wrong returns submitted (Rule 45(7))	No proposal	Not applicable.	Nil	No Violation	Nil	Nil
4	Status of Approval of FMPCP u/r 24, 25 of MCDR,2017	No proposal	Not applicable.	Nil	No Violation	Nil	Nil
5	Notices and Returns for the lease area submitted or not where fine applicable	No proposal	Not applicable.	Nil	No Violation	Nil	Nil
6	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value, Ex. Mine price & production cost furnished in AR.	Details provided were found in order.	Nil	No Violation	Nil	Nil

2.11 : SDF Details

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
1	Start Ratings accorded for mine during last 3 years	Proposed.	3 Star validated in F.Y 2023-24.	Nil	No Violation	Nil	Nil

Part-III : Other Reports**3.1.1 : Upload Other Reports**

S.N.	Reports File	Remark File Description
1	30MSH28012_Analysis.pdf	Submitted in MIDPAS portal

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Part-IV : Summary Details

4.1 : Summary of Violations

S.N.	Items for Reporting	As Per Approved Mining Plan	Actual	Deviation	Violation under Rule	Remark	Remark File
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Esigned by: KRISHNENDU CHATTERJEE
Date: 28/04/2025 12:40:38 PM