

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Deojhar Iron Ore Mines
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	34.365 Ha (Reserve Forest)
3	Minecode	30ORI08069
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5262/2011
5	Name of the lessee, Address, phone, email and fax number	M/S Tarini Minerals Pvt Ltd
6	Village	Deojhar
7	Taluka/Mandal	Barbil
8	District	Keonjhar
9	Pincode	758038
10	State	Odisha
11	Post office	Deojhar
12	Nearest police station	Belaipada
13	Nearest Railway station	Deojhar
14	Date of Grant of Mining Lease	05.09.1994
15	Date of Execution	05.09.1994
16	Date of opening of Mine	14.09.1995
17	Date of first Renewal, if applicable and its period & expiry	12.04.2016
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri D.R.Patnaik , A/6,Commercial Estate,Civil Township,Rourkela, Email-diom.tmpl@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Nil
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Rajesh Kumar, Email-diom.tmpl@gmail.com Phone-8895801972, DOA-15.01.2025 Phone-8895801972
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Ashokkumar K, DOA-16.01.2025, Phone-9486015601
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Alok Kumar Rout, (Msc.Geology) DOA-10.11.2021. Phone-9861181508
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Dated:22.03.2024 , Period:2024-25 to 2028-29
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	No.MCDR-MiFL0FE/3/2023-BBS-IBM_RO_BBS, Dated:22.03.2024,

		Period: 2024-25 to 2028-29.
28	Mineral(s) granted in lease and proved for mining	Iron Ore
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
31	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.
(Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserves as on 31.03.2024	360900 MT (As on 01.04.2023)	290980 MT	As per Annual return 2023-24
1f	General remarks of inspecting officer on geology, exploration etc.	360900 MT (As on 01.04.2023)	290980 MT	As per Annual return 2023-24

Development

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
2a	Location of development w.r.t. lease area	N-2444975 to 2445505 & E341790 to 342041	N-2444975 to 2445505 & E-341790 to 342041	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1 : 0.75	1 : 1.10	LESS PRODUCTION
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	38475	30150	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	OK		

EXPLOITATION

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	01	01	Nil
3b	Quantity of ROM mineral production proposed	102198 MT	69920 MT	Nil
3c	Recovery of salable/usable mineral from ROM production	27218MT	69920 MT	Nil

3d	Quantity of mineral reject generation	74980 MT	0 MT	Nil
3e	Grade of mineral reject generation and threshold value declared	+45 % -55 % Fe Threshold limit-45% Fe	+45 % -55 % Fe Threshold limit-45% Fe	Nil
3f	Quantity of sub-grade mineral generation	23900 MT	19400 MT (Dump Rehandling)	Nil
3g	Grade of sub-grade mineral generation	<55% Fe	<55% Fe	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Yes	Self-cutting	Nil
3k	Provision of mining machineries in mineral benches	Yes	Yes	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil
3m	Total area covered under excavation/pits	8.7132 Ha	8.7132 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.75	1 : 1.10	Nil
3o	Total area put in use under different heads at the end of year (ha)	Mining-8.7132 Mineral Storage-6.1026 Roads-1.5 Infrastructure-0.311 OB dump-2.527 Others-3.922	Mining-8.7132 Mineral Storage-6.1026 Roads-1.5 Infrastructure-0.311 OB dump-2.527 Others-3.922	Nil
3p	Production of ROM mineral during last six-year period, as applicable (MT) 2018-19 2019-20 2020-21 2021-22 2022-23 2023-24	2018-19-500398.25 2019-20-71678 2020-21-81225 2021-22-81700 2022-23 – 100638 2023-24- 102198	2018-19 -400535 2019-20 -27388 2020-21 -80770 2021-22 -62700 2022-23 – 76090 2023-24- 69920	Nil
3q	General remarks of inspecting officer on method of	OK		

Solid Waste management-Dumping

S. N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	Top soil –Nil OB-Yes Mineral Reject-Yes	Top soil –Nil OB-Yes Mineral Reject-Nil	Nil
4b	Location of topsoil, OB & mineral reject dumps	N-244430 to 244625 E- 341735 to 341941	N-244430 to 244625 E- 341735 to 341941	OB dump
4c	Number of dumps within lease area and outside lease area	Within lease area -03 Outside lease area -00	Within lease area -03 Outside lease area -00	OB dump
4d	Location of dumps w.r.t. ultimate pit limit	N-244430 to 244625 E- 341735 to 341941	N-2444315-2444625 E- 341650-341900	Nil
4e	Number of active & alive dumps	02	02	-
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilized	01	01	-
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dump	Retaining wall - 400 garland drain - 400, 60	Retaining wall - 400 garland drain -400, 60	Maintenance
4j	Number of settling ponds	2	2	Maintenance
4k	Specific comments of inspecting officer on waste dump management	OK		

Solid Waste management-Backfilling

S. N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Fully extracted	Fully extracted	Nil
5b	Area under backfilling of mined out area	0.63	0.63	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	No Top Soil Generation Proposed during reporting year	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No	No	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	OK		

Progressive Mine Closure Plan

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	Annual report on PMCP to be submitted on 1st July every year.	PMCP Report Submitted on 30.06.2024	Nil
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during	0.20 0.40	0.20 0.40	Nil

	the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	500 2000 Plantation ----	300 19626 Plantation 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	5.72 0.63 Nil Nil	5.72 0.63 Nil Nil	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil 0.40 Plantation	Nil 0.40 Plantation	Nil
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring in Core zone and buffer zone proposed as per MOEFCC and SPCB guidelines	Monitoring of Noise, Water etc done.	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	OK		

Mineral Conservation

S. N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise Mineral Stacking within lease area proposed	Grade wise dispatch	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	Nil
7c	Different grade of mineral sorted out at mines	Not in proposal	Grade wise separately stocked	Nil
7d	Any beneficiation process at mines	NA	NA	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	OK		

Environment

S. N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	No Top Soil Generation during reporting year proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	No top soil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate Dumps for OB and Mineral Rejects proposed	Separate Dumps for OB and Mineral Rejects are made	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not in Proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No	No	Nil
8f	Baseline information on existence of plantation & additional Plantation done	500	300	As per Annual Return
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed on haul roads to suppress the dust.	Water tankers are dedicated used for water sprinkling on roads to control airborne dust.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	OK		

Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto January -2025 A.R. Submitted upto 2023-24		AR 2024-25 will be submitted before 30 th June,2025.
S. N.	Item	Details given in A.R. for the year 2023-24	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager- 1 Engineer - 1 Geologist 1 Other administrative and technical supervisory staff -2		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining-8.7132 Mineral Storage-6.1026 Roads-1.5 Infrastructure-0.311 OB dump-2.527 Others-3.922		

9d	Scrutiny of Annual return on afforestation	300 plants planted		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No Mineral Reject Generation		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Rom – 69920 MT Dump Workings – 19400 MT Total Production - 89320 MT		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Fines 51-below 55%Fe Rs.1842.69 55-below 58%Fe- Rs.2590.89 58 to below 60%Fe- Rs 3399.14 62 to below 65 % Fe- Rs 4744.92 CLO: Below 62% Fe- Rs 4827.48 62 to below 65% Fe- Rs 6999.50 COST OF PRODCTION- 1824.00		
9i	Scrutiny of Annual return on fixed assets	Rs. 307562896		
9k	Scrutiny of Annual return on mining machineries	Back hoe-01 Truck-02 Water tanker -01 Wheel loader -01 Generator – 01 Mobile Screen plant- 01		

DATE- 03.03.2025

NAME – JITENDRIYA PRADHAN

SIGNATURE