

MCDR INSPECTION REPORT

Date of Inspection: 29/01/2025

General

S. N.	Particulars	Details
1	Name of the Mine	Baitarani iron ore mine of Sunandan Pradhan
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	65.397 Ha. with total area being under Baitarani R.F.
3	Minecode	30ORI08002
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/46338/2024
5	Name of the lessee, Address, phone, email and fax number	Sunandan Pradhan, House No. 1, Tala Telenga Bazar, Cuttack-753009.
6	Village	-
7	Taluka/Mandal	Cuttack Sadar
8	District	Cuttack
9	Pincode	753009
10	State	Odisha
11	Post office	Telenga Bazar
12	Nearest police station	Purighat
13	Nearest Railway station	Cuttack
14	Date of Grant of Mining Lease	28/07/1978
15	Date of Execution	28/07/1978
16	Date of opening of Mine	28/07/1978
17	Date of first Renewal, if applicable and its period & expiry	NA
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 Sunandan Pradhan, House No. 1, Tala Telenga Bazar, Cuttack-753009, Ph No: 9937197435, Email: dsqbaitarani@gmail.com , DoA: 07.06.2024
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri Pranab Kumar Mohanty, N 4/32 IRC Village, Bhubaneswar- 751015, Ph No: 7008355990, Email: pranab.k.mohanty@pradhangroup.in, DoA: 07.06.2024
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri Susila Kumar Pradhan, Majhi Sahi, Barada, Dhenkanal Sadar-759013, Ph No: 9438458072, Email: sushil.k.pradhan@pradhangroup.in, DoA: 07.06.2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Pradeep Kumar Satapathy, having 17 years' experience as Mining Engineer from Joda, Keonjhar-758038, Ph No: 9439746410, Email: pradeep.k.satapathy@pradhangroup.in, DoA: 07.06.2024
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Piyus Ranjan Sahoo having 6 years of experience as Geologist from Purunasahi, Padampur, Keonjhar-758021, Ph No: 8908312082, Email: piyus.r.sahoo@pradhangroup.in,

		DoA: 07.06.2024
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.	04.06.2024
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	
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)	Mechanised
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	20	Nil	The mine was non-operational in the reporting year i.e. FY 2023-24 and the mine was reopened on 08.07.2024.
1b	Exploration over lease area for Geological axis 1 or 2.	34.715 Ha.	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	65.397 Ha.	NA	
1e	Balance reserves as per latest approved document	7988725	NA	
1f	General remarks of inspecting officer on geology, exploration etc.	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e. FY 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	Nala pit north eastern side, Magazine pit western side and New pit eastern side	Nil	The mine was non-operational in the reporting year i.e. FY 2023-24 and the mine was reopened on 08.07.2024.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Nil	
2c	Stripping ratio or ore to OB ratio	0.28	Nil	
2d	Quantity of topsoil generation in m ³	0	Nil	
2e	Quantity of overburden generation in m ³	148592	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and		

		the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e. FY 2023-24.
--	--	--

Exploitation

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	3	Nil	The mine was non-operational in the reporting year i.e. FY 2023-24 and the mine was reopened on 08.07.2024.
3b	Quantity of ROM mineral production proposed	537304 T	Nil	
3c	Recovery of salable/usable mineral from ROM production	400120 T	Nil	
3d	Quantity of mineral reject generation	137184 T	Nil	
3e	Grade of mineral reject generation and threshold value declared	45%-52%	Nil	
3f	Quantity of sub-grade mineral generation	NA	Nil	
3g	Grade of sub-grade mineral generation	NA	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	Nil	
3j	Provision of drilling & blasting in mineral benches	Yes	Nil	
3k	Provision of mining machineries in mineral benches	Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	
3m	Total area covered under excavation/pits	11.84 Ha.	NA	
3n	Ore to OB ratio for the pit/mine during the year	0.28	NA	
3o	Total area put in use under different heads at the end of year	22.58	Nil	
3p	Production of ROM mineral during last six-year period, as applicable 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22	NIL	NIL	
3q	General remarks of inspecting officer on method of	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e. FY 2023-24.		

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)	Yes	Nil	The mine was non-operational in the reporting year i.e. FY 2023-24 and the mine was reopened on 08.07.2024.
4b	Location of topsoil, OB & mineral reject dumps	South western side of lease	Nil	
4c	Number of dumps within lease area and outside lease area	2	Nil	
4d	Location of dumps w.r.t. ultimate pit limit	Within limits	Nil	
4e	Number of active & alive dumps	2	Nil	
4f	Number of dead dumps	0	Nil	
4g	Number of dumps stabilised	0	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Nil	
4i	Length of Retaining wall or garland drain all along dump	265	Nil	
4j	Number of settling ponds	0	Nil	
4k	Specific comments of inspecting officer on waste dump management	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e. FY 2023-24.		

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	No proposal	Nil	The mine was non-operational in the reporting year i.e. FY 2023-24 and the mine was reopened on 08.07.2024.
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	No generation	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e. FY 2023-24.		

Progressive Mine Closure Plan

S. 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).	As per Rule 26(2) Annual PMCP report to be submitted before 1st day of July of every year.	Nil	The mine was non-operational in the reporting year i.e.

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	i) No such Proposal ii) No such Proposal iii) No such Proposal iv) No such Proposal v) No such Proposal vi) No such Proposal	i) Nil ii) Nil iii) Nil iv) Nil v) Nil vi) Nil	FY 2023-24 and the mine was reopened on 08.07.2024.
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	i) Nil ii) Nil iii) Nil iv) Nil Nil	i) Nil ii) Nil iii) Nil iv) Nil Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 1.98 Ha. ii) No proposal iii) Plantation	i) Nil ii) Nil iii) Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring in Core zone and buffer zone will be as per MOEFCC and SPCB guidelines.	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e. FY 2023-24.		

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	Nil	Nil	The mine was non-operational in the reporting year i.e. FY 2023-24 and the mine was reopened on 08.07.2024.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanized	Nil	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e.		

		FY 2023-24.
--	--	-------------

Environment

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	No proposal	Nil	The mine was non-operational in the reporting year i.e. FY 2023-24 and the mine was reopened on 08.07.2024.
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Yes	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation & additional Plantation done	Yes	Nil	
8h	Water sprinkling on roads to control airborne dust	Regular sprinkling of water on Haul roads and transport roads using Water tanker to suppress the dust.	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the lessee could not carried out the proposal of the reporting year i.e. FY 2023-24.		

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up-to December, 2024 A.R. Submitted up-to FY 2023-24		
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	Nil	Nil	The mine was non-operative since 07.11.2009 due to lack of non-execution of supplementary lessee deed. Recently the lessee has executed the supplementary lessee deed and the mine was reopened since 08.07.2024. Hence the
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	
9d	Scrutiny of Annual return on afforestation	Nil	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade &	Nil	Nil	

	quantity)		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	Nil
9i	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

lessee could not carried out the proposal of the reporting year i.e. FY 2023-24.