## MCDR INSPECTION REPORT

Date of Inspection: 04.12.2024

## General

S. N.	Particulars	Details
1	Name of the Mine	Balda Iron Ore Block
2	Total Lease Area (Ha) with breakup of Non-	343.981 Ha (As per DGPS) හ
	forest and forest land	335.594 Ha (As per RoR)
		Non Forest Land:31.949 Ha.
		Forest Land : 312.032 Ha.
3	Mine Code	300RI08123
4	IBM Registration Number under rule 45 of	IBM/5624/2011
	MCDR, 1988	
5	Name of the lessee, Address, phone, email and	Mr. Seraj Yusha.
	fax number	72, Bentinck Street, Esplanade Post
		Office, Kolkata, 700069,
		Phone: 7437002503
		email:info@serajuddinmines.com
		Fax No: 033-223125652
6	Village	Balda, Bada Kalimati & Nayagargh
7	Taluka/Mandal	Barbil
8	District	Keonjhar
9	Pincode	758086
10	State	Odisha
11	Post office	Bamebari
12	Nearest police station	Bamebari
13	Nearest Railway station	Nayagarh
14	Date of Grant of Mining Lease	07.07.2020
15	Date of Execution	08.07.2020
16	Date of opening of Mine	28.09.2020
17	Date of first Renewal, if applicable and its	Not applicable
	period & expiry	
18	Date of second Renewal, if applicable and its	08.07.2070 ( 50 years) from the date of
	period & expiry	execution of the mining lease.
19	Date of submission of renewal application if	Not Applicable
	Mining Operations are continuing under	
	deemed extension	
20	Name of the Nominated Owner with Address,	Mr. Seraj Yusha, (Joint Managing Partner)
	phone, email, fax number and date of	72, Bentinck Street, Esplanade Post
	appointment	Office, Kolkata,700069,
		Phone: 7437002503
		email: info@serajuddinmines.com
		Fax No: 033-223125652
21	Name of the Mine Agent with Address, phone,	Sri Prafulla Kumar Pati
-1	email, fax number and date of appointment	Balda Iron Ore Block Mines,
	eman, iax number and date of appointment	
		M/s Serajuddin& Co,
		At/Po-Balda, Dist-Keonjhar, Odisha,
		758086
		Mob No.7437002503
00	77 6.1 76 76	Email: prafulla@serajuddinmines.com
22	Name of the Mines Manager with Address,	SriAnjan Kumar Sahu, AMIE (1997), FCC,

	phone, email, fax number and date of appointment in mines	Mines Manager & 21.09.2012. Balda Iron Ore Block Mines, M/s Serajuddin&Co. At/Po-Balda, Dist-Keonjhar, Odisha, 758086 Mob No. – 7437002510, Email: anjan@serajuddinmines.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	SriPrasanta Kumar Pradhan, Degree in Mining Engineering (2017), Second Class Mines Manager & 09.10.2015 Balda Iron Ore Block Mines, M/s Serajuddin&Co. At/Po-Balda, Dist-Keonjhar, Odisha, 758086 Mob No. – 7735647130 Email: Kumarprasanta362@gmail.com
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Sourav Kumar Sahoo.  M.Sc (Geology-1995) & 08.10.2014. (Full Time)  Balda Iron Ore Block Mines, M/s  Serajuddin&Co.At/Po-Balda, Dist-Keonjhar,  Odisha, 758086  Mob No. – 7437002526  Email: sksahoo@serajuddinmines.com
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.	The Mining plan has been approved Vide letter No. MP/A/29-ORI/BHU/2020-21/2244 Date: 04.12.2020
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	The Modification of Mining plan under rule 17(3) of MCR 2016 with Progressive mine closure plan under rule 23 of MCDR 2017 has been approved Vide letter No. MPM/A/41-ORI/BHU/2020-21/50 Date: 09.04.2021.
28	Mineral(s) granted in lease and proved for mining	Iron Ore
29	Method of Mining(Opencast, Underground)	Opencast
30	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
31	Captive/Non Captive	Non-Captive
	1	<u> </u>

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	Actual	work	Remark
		for,2023-24	during202	23-24	

1a	Backlog of previous year	43 nos. of Core	Nil	Proposed exploration
		Drilling of 3440		was not carried out
		mtrs.		due to not obtaining of
				forest clearance and
				surface right of the
				proposed exploration
				area during the
				reporting year.
1b	Exploration over lease	G1: 186.064 Ha.	Nil	Proposed exploration
	area for Geological axis 1	G2: 149.530 Ha		was not carried out
	or 2.			due to not obtaining of
				forest clearance and
				surface right of the
				proposed exploration
				area during the
				reporting year.
1c	Exploration Agency &	NA	Nil	Proposed exploration
	Expenditure in lakh			was not carried out
	Rupees during the year			due to not obtaining of
				forest clearance and
				surface right of the
				proposed exploration
				area during the
				reporting year.
1d	Balance area to be	G2: 149.530 Ha	Nil	Proposed exploration
	explored to bring	Area proposed to		was not carried out
	Geological axis in 1 or 2	be explored and		due to not obtaining of
		to be converted		forest clearance and
		to G1 level of		surface right of the
		exploration.		proposed exploration
				area during the
				reporting year.
1e	Balance reserves as per		135.88 million	Reserve as on
	latest approved		tons	01.04.2024
	document			
1f	General remarks of	The lessee could no	ot carry out the prop	osed exploration due to
	1 0			-
	geology, exploration etc.			•
			•	
			•	
				· · · · · · · · · · · · · · · · · · ·
1e	Balance reserves as per latest approved document  General remarks of inspecting officer on	be explored and to be converted to G1 level of exploration.  The lessee could not obtaining of proposed exploration has been debarred violation letter und	tons of carry out the propforest clearance and on area i.e. entry to by State Govt. since	due to not obtaining of forest clearance and surface right of the proposed exploration area during the reporting year.  Reserve as on 01.04.2024  osed exploration due to d surface right of the the proposed F1 quarry 31.12.2020. However, a PR 2017 has been issued

# Development

S.N.	Item	Proposals	for,	Actual	work	Remark
		2023-24		during2023	3-24	
2a	Location of development w.r.t. lease area	Block 2420866N 2421626N 334821E	A: to & to	2420866N	A: to & to	The lessee has been partially deviated the proposed development and exploitation during

		335395E  Block F1:  2419787N to 2420345 N & 335843E to 336041E	335395E Block F1: NIL	the reporting year, as the lessee has been debarred from undertaking any mining operation or allied activity in the F1 Block of the lease hold by the Joint Director of Mines, Joda vide his
				letter No. 5615/Mines dt.31.12.2020.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches for top soil, overburden and mineral are already existing. Proposal for mineral and intercalated waste has been proposed.	Separate benches for top soil, overburden and mineral are already existing. Exploitation of mineral and intercalated waste are in practice during the reporting year.	The lessee has been partially deviated the proposed development and exploitation during the reporting year, as the lessee has been debarred from undertaking any mining operation or allied activity in the F1 Block of the lease hold by the Joint Director of Mines, Joda vide his letter No. 5615/Mines dt.31.12.2020.
2c	Stripping ratio or ore to OB ratio	1.0.59	1.0050	
2d	Quantity of topsoil generation in m3	Nil	Nil	No such proposal during the reporting year.
2e	Quantity of overburden generation in m3	1972270.000 Cum	8904.55 Cum	The lessee has been partially deviated the proposed development and exploitation during the reporting year, as the lessee has been debarred from undertaking any mining operation or allied activity in the F1 Block of the lease hold by the Joint Director of Mines, Joda vide his letter No. 5615/Mines dt.31.12.2020.
2f	General remarks of inspecting officer on	The lessee has	been partially d	leviated the proposed

development of pit w.r.t. type of deposit etc	development and exploitation during the reporting year, as the lessee has been debarred from undertaking any mining operation or allied activity in the F1 Block of the lease hold by the Joint Director of Mines, Joda vide his letter No. 5615/Mines dt.31.12.2020. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 15.01.2025 to the lessee in this regard.
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#### **EXPLOITATION**

S.N.	Item	Proposals for,	Actual work	Remark
		2023-24	during2023-24	
3a	Number of pits proposed	2 Pits	01 Pits	The lessee has been
	for production	(Block-A & Block-	(Block-A)	partially deviated the
	_	F1)		proposed
		,		development and
				exploitation during
				the reporting year, as
				the lessee has been
				debarred from
				undertaking any
				mining operation or
				allied activity in the F1
				Block of the lease hold
				by the Joint Director of
				Mines, Joda vide his
				letter No. 5615/Mines
				dt.31.12.2020.
3b	Quantity of ROM mineral	10632333.500	5441310.000	
	production proposed	tons	tons	
3c	Recovery of salable/usable	8927368.500	5131020.000	
	mineral from ROM	tons	tons	
	production			
3d	Quantity of mineral reject	1704965.000	310290.000 tons	
	generation	tons		
3e	Grade of mineral reject	Fe % raised	Fe % raised	-
	generation and threshold	between > 45 %	between > 45 %	
	value declared	to 55 % is	to 55 % is	
		declared as Grade	declared as Grade	
		of mineral reject.	of mineral reject.	
		Threshold value	Threshold value	
		declared as per	declared as per	
		IBM guide line is	IBM guide line is	
		45 %	45 %.	
			Weighted	
			averages around	
			51 % of Fe grade	
			mineral rejects	
			are produced.	
3f	Quantity of sub-grade	NA	NA	

3g	mineral generation			
~ ·	Grade of sub-grade	NA	NA	
-0	mineral generation	<del></del>		
3h	Manual / Mechanised	Mechanized	Mechanized	
	method adopted for			
	segregating from ROM			
3i	Any analysis or	Not proposed	No such analysis	
	beneficiation study		or beneficiation	
	proposed & carried out for		study carried out	
	sub-grade mineral and		for sub-grade	
	reject		mineral during	
	reject		the reporting	
3j	Provision of drilling &	Deep Holes	year. Drilling and	
oj	blasting in mineral	drilling and	blasting was	
	benches		carried out in	
	DCHCHES	· ·		
		proposed with 115 mm dia blast	mineral benches with 83 mm Solar	
		holes.	prime/aquadyne	
			catridge formed	
			explosives,	
			NONEL	
			detonators are	
21.	Provision of mining	Donlovenone	being used.	
3k	0	Deployment of	Deployment of	
	machineries in mineral	mining	mining	
	benches	machinery is	machinery is	
		proposed in	proposed in	
		mineral benches	mineral benches	
		by Shovel	by Shovel	
		Dumper	Dumper	
		combination.	combination.	
		ROM will be	ROM will be	
		excavated and	excavated and	
		loaded in the	loaded in the	
		35T/40T dumper	35T/40T dumper	
		by 4.5 m3, 3.1 m3	by 4.5 m3, 3.1 m3	
		& 2.5m3	& 2.5 m3	
		excavators.	excavators.	
31	Whether height of benches	Yes, it is proposed	Height and width	
	in overburden and mineral	to keep the bench	of benches were	
	suitable for method of	height up to 10	more or less in	
	mining proposed in	mtr for both Ore	order as per the	
	MP/SOM	& OB benches.	proposal of the	
			approved	
			document.	
3m	Total area covered	165.004 Ha.	133.580 till the	
	under excavation/pits	during entire	end of the	
		proposed plan	reporting year.	
I		period.		

3n	Ore to OB ratio for the pit/	1.0.59	1.0050	
	mine during the year			
30	Total area put in use under	Proposed area	Covered under	
	different heads at the end	under different	current (O-C)	
	of year	heads during the	Workings :133.58	
		entire plan period	0 Ha.	
		Covered under	Used for waste	
		current (0-C)	disposal: 9.700	
		Workings :165.00	Ha.	
		4 Ha.	Occupied by	
		Used for waste	plant, buildings,	
		disposal: 12.846	residential,	
		Ha.	welfare buildings	
		Occupied by	and roads: 14.344	
		plant, buildings,	Ha.	
		residential,	Mineral Stack	
		welfare buildings	Yard:	
		and roads: 14.116	12.632 Ha.	
		Ha.	Work done under	
		Mineral Stack Yard:	progressive mine	
		22.903 Ha.	closure plan	
			during the year:	
		Work done under	1.694 Ha.	
		progressive mine		
		closure plan		
		during the year:		
25	Production of ROM	1.915 Ha. 2020-2021:	2020-2021:	
3p	mineral during last six-	10.632 million	3652445 million	
	year period, as applicable			
	2016-17	tons 2021-2022:	tons 2021-2022:	
		10.63 million tons	7151180 million	
	2017-18 2018-19			
		2022-2023:	tons	
	2019-20	10.63 million tons 2023-2024:	2022-2023:	
	2020-21 2021-22	2023-2024: 10.63 million tons	3856080 million	
	2021-22	10.63 IIIIIII0II tolis	tons 2023-2024:	
			5441310 million	
3q	General remarks of		tons	
54	inspecting officer on		been partially deviated the prope	
	method of	_	xploitation during the reporting year, as	
	inculou oi		debarred from undertaking any mi	•
		_	activity in the F1 Block of the lease hol	-
		· ·	f Mines, Joda vide his letter No. 5615/M	
			vever, a violation letter under rule 11(	
		MCDR 2017 has b	een issued vide dated 15.01.2025 to	the
		lessee in this regard	1.	
	I			

# **Solid Waste Management-Dumping**

4a Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)  Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)  Separate dumping of OB & mineral reject dumping of OB & mineral reject was proposed.  1.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  Separate dumping of OB & mineral rejects are in practice.  1.Dump No-1 Western Part of Block-H  Separate dumping of OB & mineral rejects are in practice.  1.Dump No-1 Western Part of Block-H  Separate dumping of OB & mineral rejects are in practice.  1.Dump No-1 Near F1 Block 3.Dump-3 In Block-H  Separate dumping of OB & mineral rejects are in practice.  1.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  Separate dumping of OB & mineral rejects are in practice.  1.Dump-3 In Block-H  Partially deviproposed development exploitation the reporting the lessee h debarred updeattyling.	
topsoil, OB & mineral reject (Rule 33, 37)  Separate dumping of OB & mineral reject was proposed.  1.Dump No-1 Western Part of Block - A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  Location of topsoil, OB & mineral reject dumps  Western Part of Block - A 2.Dump No-1 Western Part of Block - Block 3.Dump-3 In Block-H  Location of topsoil, OB & mineral reject dumps  The lessee h partially deviproposed development exploitation the reporting the lessee h debarred	
reject (Rule 33, 37)  Separate dumping of OB & mineral reject was proposed.  1.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  Location of topsoil, OB & mineral reject dumps  4b Location of topsoil, OB & mineral reject dumps  4b Location of topsoil, OB & mineral reject dumps  4b Location of topsoil, OB & near F1 Block 3.Dump-1 Western Part of Block-H  2.Dump No-1 Near F1 Block 3.Dump-3 In Block-H  The lessee h partially deviproposed development exploitation the reporting the lessee h debarred	
dumping of OB & mil. Separate dumping of OB & mineral reject was proposed.  1.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  4b Location of topsoil, OB & mineral reject dumps  4b Location of topsoil, OB & mineral reject dumps  4b Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral reject dumps  4c Location of topsoil, OB & mineral rejects are in practice.  4c	
mineral reject was proposed.    Dump No-1	
was proposed.    mineral rejects are in practice.	
4b Location of topsoil, OB & I.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  4b Location of topsoil, OB & I.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  The lessee h partially deviproposed development exploitation the reporting the lessee h debarred	
1.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  4b Location of topsoil, OB & mineral reject dumps  4b Location of topsoil, OB & be mineral reject dumps  4b Location of topsoil, OB & be mineral reject dumps  4c Location of topsoil, OB & be mineral reject dumps  4c Location of topsoil, OB & be mineral reject dumps  4d Location of topsoil, OB & be mineral reject dumps  5d Location of topsoil, OB & be mineral reject dumps  6d Location of topsoil, OB & be mineral reject dumps  7d Location of topsoil, OB & be mineral reject dumps  7d Location of topsoil, OB & be mineral reject dumps  7d Location of topsoil, OB & be mineral reject dumps  8d Location of topsoil, OB & be mineral reject dumps  9d Location of topsoil, OB & be mineral reject dumps  1. Dump-3  2. Dump-3  3. Dump-3  4. Dump-3  4. Dump-3  4. Dump-3  5d Location of topsoil, OB & be mineral reject dumps  4. Dump-3  5d Location of topsoil, OB &	
Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  4b Location of topsoil, OB & I.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 4.    Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 The lessee h debarred	
Block -A 2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  4b Location of topsoil, OB & In Block-H  Western Part of Block -A 2.Dump No-1 In Block-H  The lessee h partially deviproposed development exploitation the reporting the lessee h debarred	
2.Dump No-2 Near F1 Block 3.Dump-3 In Block-H  Location of topsoil, OB & I.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3  The lessee h partially deviproposed development exploitation the reporting the lessee h debarred	
Near F1 Block 3.Dump-3 In Block-H  4b Location of topsoil, OB & In Block-H  Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3  The lessee h partially devi proposed development exploitation the reporting the lessee h debarred	
3.Dump-3 In Block-H  4b Location of topsoil, OB & I.Dump No-1 mineral reject dumps  Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3  The lessee h partially deviproposed development exploitation the reporting the lessee h debarred	
In Block-H  4b Location of topsoil, OB & I.Dump No-1 mineral reject dumps  1.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3  In Block-H  In Block-H partially deviproposed development exploitation the reporting the lessee h debarred	
4b Location of topsoil, OB & nineral reject dumps  1.Dump No-1 Western Part of Block -A 2.Dump No-2 Near F1 Block 3.Dump-3  The lessee h partially deviproposed development exploitation the reporting the lessee h debarred	
mineral reject dumps  Western Part of Block -A  2.Dump No-2  Near F1 Block  3.Dump-3  The lessee in partially deviproposed development exploitation the reporting the lessee in debarred	
Western Part of Block -A  2.Dump No-2  Near F1 Block  3.Dump-3  Nestern Part of Block-H proposed development exploitation the reporting the lessee h debarred	
Diock -A  2.Dump No-2  Near F1 Block  3.Dump-3  development exploitation the reporting the lessee h debarred	ited the
2.Dump No-2  Near F1 Block  3.Dump-3  exploitation the reporting the lessee h debarred	
Near F1 Block 3.Dump-3  the reporting the lessee h debarred	and during
3.Dump-3 debarred	year, as
	as been from
In Block-H undertaking	any
mining opera	ŭ
allied activity	
Block of the le	ase hold
by the Joint Di	rector of
Mines, Joda	vide his
letter No. 561	5/Mines
dt.31.12.2020.	
Accordingly the	e lessee
could not car	ried out
the dispos	al of
generated OF	in the
proposed	location
during the r	
year.	eporting
4c Number of dumps within 03 03	eporting
lease area and outside	eporting
lease area	eporting
4d Location of dumps w.r.t. 1.Dump No-1 1.Dump No-1	eporting

	1.1 . 1.1		1	
	ultimate pit limit	Western Part of Block -A	Western Part of Block -A	
		2.Dump No-2	2.Dump No-2	
		Near F1 Block	Near F1 Block	
		3.Dump-3	3.Dump-3	
		In Block-H	In Block-H	
4e	Number of active & alive	03 Nos.	03 Nos	
	dumps			
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes, proposal for about 500 mtr construction new Retaining wall and 550 mtr garland drain for Block-A and about 420 mtr construction new Retaining wall and 420 mtr garland drain for Block-F1 during the reporting year FY 2023-24.	Yes, about 284 mtr of new Retaining wall and garland drains have been constructed for Block-A during the reporting year FY 2023-24. For Block-F1 now new retaining wall and garland drains have been constructed.	
4i	Length of Retaining wall or garland drain all along dump	Yes, proposal for about 500 mtr construction new Retaining wall and 550 mtr garland drain for Block-A and about 420 mtr construction new Retaining wall and 420 mtr garland drain for Block-F1 during the reporting year FY 2023-24.	Yes, about 284 mtr of new Retaining wall and garland drains have been constructed for Block-A during the reporting year FY 2023-24. For Block-F1 now new retaining wall and garland drains have been constructed.	
4j	Number of settling ponds	Nil	1 nos.	
4k	Specific comments of inspecting officer on waste dump management	development and e lessee has been	xploitation during th debarred from un	eviated the proposed ne reporting year, as the dertaking any mining ock of the lease hold by
				9

the Joint Director of Mines, Joda vide his letter No. 5615/Mines dt.31.12.2020. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 15.01.2025 to the lessee in this regard. Accordingly the lessee could not carried out the disposal of generated OB and construction of both retaining wall and garland drains in the proposed location during the reporting year.

#### **Solid Waste Management-Backfilling**

S.N.	Item	Proposals for,	Actual work	Remark	
_	0.11	2023-24	during2023-24		
5a	Status on part or full	Proposal for	Nil		
	extraction of mineral from	backfilling of			
	mined out area before	119072 cum of			
	starting backfilling	waste over 5590			
		sq.m area of			
		already			
		exhausted area			
		within the lease			
		area.			
5b	Area under backfilling of	Proposal for	Nil		
	mined out area	backfilling of			
		119072 cum of			
		waste over 5590			
		sq.m area of			
		already			
		exhausted area			
		within the lease			
		area.			
5c	Concurrent use of topsoil	Nil	Nil		
	for restoration or				
	rehabilitation of mined out				
	area (Rule 36)				
5d	Total area fully reclaimed	Nil	Nil		
	& rehabilitated				
5e	General remarks of	There was a propo	osal for backfilling of	119072 cum of waste	
	inspecting officer on	over 5590 sq.m are	a of already exhauste	d area within the lease	
	backfilling, reclamation etc	area. Whereas, the	lessee has not carried	d out backfilling within	
		the lease area as per the proposal during the reporting year due			
		to entry to the proposed F1 quarry has been debarred by State			
		Govt. since 31.12.2020. However, a violation letter under rule			
				de dated 15.01.2025 to	
		the lessee in this re			
			O <b>~</b> ·		

#### **Progressive Mine Closure Plan**

S.N.	Item	Proposals	for,	Actual	work	Remark
		2023-24		during 2023	3-24	

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.	The lessee has submitted Annual PMCP report as per Rule 26(2) of MCDR 2017 within the stipulated period during the reporting year FY 2023-24.	
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. Nil ii. Nil iii. Nil iv. Nil v. Nil vi. Nil	i. Nil ii. Nil iii. Nil iv. Nil v. Nil vi. 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	i. 5590 sq.m. ii. 5590 sq.m iii. Nil iv. Nil v. Nil	i. Nil ii. Nil iii. Nil iv. Nil v. Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 1000 nos of saplings ii) 2023-24= Along the safety zone of the ML area iii) Plantation with 95 % survival	i) 1055 nos of saplings during reporting year. ii) 2023-24= Along the safety zone of the ML area iii) Plantation with 92 % survival	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring in Core zone and buffer zone will be as per	Environmental monitoring in Core zone and buffer zone were carried out as per	

		MOEFCC and SPCB guidelines.	MOEFCC and SPCB guidelines during the reporting year FY 2023-24.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	monitoring as per- lessee has carried of the safety zone of the reporting year proposed backfilling the proposed F1 qu	the proposal during tout plantation of 1050 the ML area @ 92% of FY 2023-24. The less g during the reporting the groposals carried out	on and environmental the reporting year. The O nos of saplings along of survival rate during see could not carry out ag year due to entry to red by State Govt. since by the lessee are more

#### **Mineral Conservation**

S.N.	Item	Proposals for,	Actual work	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting for +55% Fe and 45 to 55% Fe has been proposed.	Grade-wise sorting for +55% Fe and 45 to 55% Fe has been carried out as per the proposal and the generated mineral rejects i.e. 45 to 55% Fe are being blended with the saleable product and utilized/ will be sold out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	Grade-wise sorting for +55% Fe and 45 to 55% Fe has been proposed.	Grade-wise sorting for +55% Fe and 45 to 55% Fe has been carried out as per the proposal and the generated mineral rejects i.e. 45 to 55% Fe are being blended with the saleable product and utilized/ will	

			be sold out.	
7d	Any beneficiation process at mines	Nil, Dry beneficiation by using crusher and screen plants proposed.	Nil, Ore processing by Crushing & screening plants are being practice in the reporting year 2023-24.	No Such proposal during the reporting year.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	are being practiced 55% Fe are being utilized/ sold out	and the generated mg blended with the the the series and screening	+45 to 55% Fe stocks nineral rejects i.e. 45 to saleable product and ficiation process was are being carried out

#### **Environment**

S.N.	Item	Proposals for, 2023-24	Actual work during2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	No such proposal for the reporting year.	Incidental occurrence of very small amount of clay soil have been generated and concurrently utilized for plantation purpose till the date of inspection during the reporting year.	
8b	Concurrent use or storage of topsoil	No such proposal for the reporting year.	Incidental occurrence of very small amount of clay soil have been generated and concurrently utilized for plantation purpose till the date of inspection during the reporting year.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumps for overburden and mineral reject stacks, waste rocks are proposed.	Separate dumps for overburden and mineral reject stacks, waste rocks are maintained.	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	During course of mining generated overburden /waste, etc. rock will be backfilled over exhausted pits over 5590 sq.m. area was proposed	Nil	There was a proposal for backfilling of 119072 cum of waste over 5590 sq.m area of already exhausted area within the lease area. Whereas, the lessee has not carried out backfilling within the lease area as per the proposal during the reporting year due to entry to the proposed F1 quarry has been debarred by State Govt. since 31.12.2020.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	During course of mining generated overburden /waste, etc. rock will be backfilled over exhausted pits over 5590 sq.m. area was proposed	Nil	There was a proposal for backfilling of 119072 cum of waste over 5590 sq.m area of already exhausted area within the lease area. Whereas, the lessee has not carried out backfilling within the lease area as per the proposal during the reporting year due to entry to the proposed F1 quarry has been debarred by State Govt. since 31.12.2020.
8f	Baseline information on existence of plantation & additional Plantation done	About 1000 nos of saplings along the safety zone of the ML area were proposed to be planted @ with 95% survival rate.	About 1055 nos of saplings along the safety zone of the ML area were planted @ with 92% survival rate.	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker over haul roads has been carried out during the	Water tankers are dedicated used for water sprinkling on roads to control	

		reporting year.	airborne dust. Fixed water sprinkling system is also in operation. Dry fog system and mixed canons are equipped at crusher and screen plants.	
iı	General remarks of nspecting officer on nesthetic beauty in and around mines area	the reporting year 119072 cum of was area within the lea out backfilling with the reporting year been debarred by S lessee has planted the ML area were please area. Water sprinklers Dry fog roads & in processi	there was a proporte over 5590 sq.m are see area. Whereas, the in the lease area as plue to entry to the postate Govt. since 31.1 1055 no of saplings a planted @ with 92% sprinkling by water system and mixed cang plants to control the dust emission. This	l of back filling during to sal for backfilling of the earth of already exhausted to lessee has not carried the proposal during the proposed F1 quarry has 2.2020. However, the along the safety zone of survival rate within the tanker, mobile water anons within over haul the airborne dust and to se sustains the aesthetic

## **Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of	M.R. Submitted upto Oct		
	Monthly and Annual	A.R. Submitted upto FY 2	2023-2024	
	returns	Monthly returns and ar	nnual return for the	
		reporting year have be	en submitted within	
		the stipulated time perio	od.	
S.N.	Item	Details given in A.R. for	Observation of	Remarks
		the year 2023-24	I/Officer	
9b	Scrutiny of Annual return	1. Sri Anjan Kumar	1. Sri Anjan Kumar	
	for information on Mining	Sahu - Mines Manager	Sahu - Mines	
	Engineer, Geologist and Manager	2. Sri Prasanta Kumar	Manager	
	Wanager	Pradhan – Mining	2. Sri Prasanta	
		Engineer	Kumar Pradhan -	
		3. Sri Sourav Kumar	Mining Engineer	
		Sahoo Geologist were	3. Sri Sourav	
		present during the	Kumar Sahoo	
		inspection.	Geologist were	
			present during the	
			inspection.	
9c	Scrutiny of Annual return	Covered under current	Covered under	
	on land use pattern for	(O-C)	current (0-C)	

	area under pits, reclaimed	Workings :133.580 ( In	Workings :133.580	
	area, dumps etc.	Ha)	( In Ha)	
		Used for waste	Used for waste	
		disposal: 9.700 Ha.	disposal: 9.700 Ha.	
		Occupied by plant,	Occupied by plant,	
		buildings, residential,	buildings,	
		welfare buildings and	residential, welfare	
		roads: 14.344 Ha.	buildings and	
		Mineral Stack Yard:	roads: 14.344 Ha.	
		12.632 Ha.	Mineral Stack	
		Work done under	Yard:	
		progressive mine	12.632 Ha.	
		closure plan during the	Work done under	
		year: 1.694 Ha.	progressive mine	
			closure plan during	
			the year: 1.694 Ha.	
9d	Scrutiny of Annual return	About 1055 nos of	About 1055 nos of	
	on afforestation	saplings in the safety	saplings in the	
		zone area of the ML	safety zone area of	
		were planted @ with	the ML were	
		92% survival rate	planted @ with	
		during reporting year	92% survival rate	
		within the lease area.	during reporting	
			year within the	
		010000	lease area.	
9e	Scrutiny of Annual return	310290 tons of	310290 tons of	
	on mineral reject	mineral reject of +45	mineral reject of	
	generation (Grade &	to 55 % Fe were	+45 to 55 % Fe	
	quantity)	generated and stacked	were generated	
		separately during FY 2023-24.	and stacked	
		2023-24.	separately during	
9f	Scrutiny of Annual return	Iron Ore:	FY 2023-24. Iron Ore:	
'1	on ROM stock and/or	Opening Stock:	Opening Stock:	
	graded ore	8088894.000 tons	8088894.000 tons	
	61 data of C	Production:	Production:	
		5441310.000 tons	5441310.000 tons	
		Closing Stock :	Closing Stock :	
		11102464.000 tons	11102464.000	
			tons	
9g	Scrutiny of Annual return	Cost of production Rs.	Cost of production	
	on sale value, Ex. Mine	1318.81/- furnished in	Rs. 1318.81/-	
	price & production cost	submitted Annul	furnished in	
		Return for FY 2023-24.	submitted Annul	
			Return for FY	
			2023-24.	
9i	Scrutiny of Annual return	Fixed Asset: Rs.	Fixed Asset: Rs.	
	on fixed assets	410057041/-,	410057041/-,	
		furnished in the annual	furnished in the	
		return of the reporting	annual return of	

01	Counting CA 1	year.	the reporting year.	
9k	Scrutiny of Annual return	CRUSHER 350.000 T/H	CRUSHER 350.000	
	on mining machineries	2 Non Electrical	T/H 2 Non	
		Opencast	Electrical Opencast	
		OTHERS (NON-ELEC.)	OTHERS (NON-	
		250.000 3 Non-	ELEC.) 250.000 3	
		Electrical Opencast	Non-Electrical	
		OTHERS (NON-ELEC.)	Opencast	
		3.800 1 Non-Electrical	OTHERS (NON-	
		Opencast	ELEC.) 3.800 1 Non	
		OTHERS (NON-ELEC.)	Electrical Opencast	
		2.600 1 Non-Electrical	OTHERS (NON-	
		Opencast	ELEC.) 2.600 1 Non-	
		OTHERS (NON-ELEC.)	Electrical Opencast	
		2.100 1 Non-Electrical	OTHERS (NON-	
		Opencast	ELEC.) 2.100 1 Non-	
		OTHERS (NON-ELEC.)	Electrical Opencast	
		2.600 1 Non Electrical	OTHERS (NON-	
		Opencast	ELEC.) 2.600 1 Non	
		OTHERS (NON-ELEC.)	Electrical Opencast	
		2.100 1 Non Electrical	OTHERS (NON-	
		Opencast	ELEC.) 2.100 1 Non	
		OTHERS (NON-ELEC.)	Electrical Opencast	
		1.200 1 Non Electrical	OTHERS (NON-	
		Opencast	ELEC.) 1.200 1 Non	
		OTHERS (NON-ELEC.)	Electrical Opencast	
		0.600 1 Non Electrical	OTHERS (NON-	
		Opencast	ELEC.) 0.600 1 Non	
			Electrical Opencast	
		OTHERS (NON-ELEC.) 0.900 1 Non Electrical	OTHERS (NON-	
		Opencast	ELEC.) 0.900 1 Non	
		-	Electrical Opencast	
		LOAD HAUL DUMPER 4.500 CUM 1 Non	LOAD HAUL	
		Electrical Opencast	DUMPER 4.500	
		_	CUM 1 Non	
		LOAD HAUL DUMPER	Electrical Opencast	
		3.100 CUM 3 Non Electrical Opencast	LOAD HAUL	
		_	DUMPER 3.100	
		LOAD HAUL DUMPER	CUM 3 Non	
		2.500 CUM 1 Non	Electrical Opencast	
		Electrical Opencast	LOAD HAUL	
		DUMPER 35.000	DUMPER 2.500	
		TONNE 18 Non	CUM 1 Non	
		Electrical Opencast	Electrical Opencast	
		OTHERS (NON-ELEC.)	DUMPER 35.000	
		8.200 1 Non Electrical	TONNE 18 Non	
		Opencast	TOTALL TO MUII	