

MCDR INSPECTION REPORT

1) Name of Inspecting officer:	Shri Rajesh Kumar Das
2) Designation	Deputy Controller of Mines
3) Accompanying mine official with designation	Shri Pramod Kumar Patra (Agent), Shri Ranjit Choudhury (Mines Manager), Shri Rajnish Chaturvedi (Geologist) & Shri Tanmaya Pattnaik (Mining Engineer).
4) Date of Inspection	08/01/2025

Part-I: General

S. N.	Particulars	Details
1	Name of the Mine	Kasia Iron & Dolomite Mines
2	Total Lease Area (Ha) with breakup of non-forest and forest land	Forest Land-176.616 Ha. Non-Forest Govt. Land-8.742 Ha. Non-Forest Pvt. Land- 8.738 Ha.
3	Mine code	30ORI08127
4	IBM Registration Number under rule 45 of MCDR,	IBM/4355/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. Jindal Steel & Power Limited At/Po-Kasia, Via – Barbil, Dist.-Keonjhar, Odisha, 758035. Ph. No.: - 9777450805 Email: - pramod.patra@jindalsteel.com Fax:- 6767249817
6	Village	Kasia(Ka),Kasia (Kha), Jhadgaon, Tanto, Sidhamatha RF.
7	Taluka/Mandal	Barbil
8	District	Keonjhar
9	Pin code	758035
10	State	Odisha
11	Post office	Kasia
12	Nearest police station	Barbil
13	Nearest Railway station	Barbil
14	Date of Grant of Mining Lease	17.11.2021
15	Date of Execution	20.11.2021
16	Date of opening of Mine	20.11.2021
17	Date of first Renewal, if applicable and its period &	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	Shri Damodar Mittal, At/PO - Jindal Nagar, SH-63, Chendipada Road, Angul, Odisha – 759111. Email-id-damodar.mittal@jindalsteel.com Date of Appointment – 23.05.2023
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Pramod Kumar Patra At/Po- Kasia, Via – Barbil, Dist.-Keonjhar, Odisha, 758035. Ph.No.- 9777450805 Email-id- pramod.patra@jindalsteel.com Date of Appointment – 09.03.2023

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Ranjit Choudhury At/Po- Kasia, Dist.-Keonjhar, Odisha,758035 Email-id- ranjit.choudhury@jindalsteel.com Ph. No.- 94375 78503 Date of Appointment – 06.06.2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Tanmaya Pattnaik B. Tech (Mining), > 6.0 Years At/Po- Kasia, Via – Barbil, Dist.-Keonjhar, Odisha, 758035. Ph. No.- 9348914453 Email-id- tanmaya.pattnaik@jindalsteel.com Date of Appointment – 29.04.2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	09.02.2024
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive/Non-Captive	Non-Captive

Details about Mining Plan/ Mining Scheme

a) Letter No. and date of approval of mining plan	:	MCDR-MiFL0FE/19/2023-BBS-IBM_RO_BBS, Dated:- 09.02.2024
b) Letter No. and date of approval of mining scheme.	:	NA
c) Condition while approving the MP/ MS/ modification	:	NA
d) Period of mining plan/ mining scheme in force:	:	Mining Plan Period FY 2023-24 to FY 2025-26

PART II-TECHNICAL DETAILS

1. EXPLORATION

a) Cumulative exploration as on 01.04.2022 (By Ex-Lessee)

No. Of boreholes	150	Nos. of pits		Nos. of trenches	
Grid Interval (m)	100 X 50, 100 X 200				
Max Depth (m)	160	Max Depth (m)		Max length (m)	
Min. depth (m)	20	In-depth (m)		Min. length (m)	
Total meterage	11756.64	Total meterage		Total length (m)	

b) Exploration carried out previous year 2021-22

No. of boreholes	Nil	Nos. of pits		Nos. of trenches	
Grid interval (m)		Nil			
Max Depth (m)				Max Length (m)	
Min. depth (m)		Min depth (m)		Min length (m)	
Total meterage		Total meterage		Total length (m)	

c) Exploration carried out previous year 2022-23

No. of boreholes	13	Nos. of pits		Nos. of trenches	
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Grid interval (m)	100 x 100				
Max Depth (m)	132	Max Depth (m)		Max Length (m)	
Min. depth (m)	40	Min depth (m)		Min length (m)	
Total meterage	1161	Total meter age		Total length (m)	

d) Exploration carried out during the year 2023-24

No. of boreholes	30	Nos. of pits		Nos. of trenches	
Grid interval (m)	100 x 100				
Max Depth (m)	124	Max Depth (m)		Max Length (m)	
Min. depth (m)	25	Min depth (m)		Min length (m)	
Total meterage	2782	Total meter age		Total length (m)	

d) Cumulative Exploration carried out as on date of inspection (Including Ex-lessee)

No. of boreholes	193	Nos. of pits		Nos. of trenches	
Grid Interval (m)	100 x 100				
Max Depth (m)	132	Max Depth (m)		Max length (m)	
Min. depth (m)	25	Min. Depth (m)		Min. length (m)	
Total meterage	15700	Total meterage		Total length (m)	

2. LAND DETAILS (WITHIN LEASE AREA)

Code	Type of land	Area ha	Code	Type of land	Area ha
1	Reserve forest (K F)	100.888	18	Degraded land by dump	11.216
2	Protected forest (V F)	71.729	19	Degraded land by pit in forest	78.042
3	Forest unclassified (SABIK)	3.999	20	Degraded land by dump in forest	11.216
4	Forest sanctuary	0	21	Degraded land by pit in non forest	0
5	Forest national park	0	22	Degraded land by dump in non forest	0
6	Forest mineralized	144.977	23	Degraded land by road in forest	5.645
7	Forest non mineralized	31.639	24	Degraded land by road in non forest	1.237
8	Non forest Private land	8.738	25	Degraded land by plant building Town in forest	17.504
9	Non forest agricultural irrigated land	0	26	Degraded land by plant building, Town in non forest	2.75
10	Non forest agriculture non irrigated land	5.891	27	Degraded land by tailing pond in forest	0
11	Non-forest Pvt. Other land	2.847	28	Degraded land by tailing pond in non forest	0
12	Non forest Govt. grazing land	0	29	Degraded land others in forest	0
13	Non forest Govt. waste land	8.742	30	Degraded land other in non forest	0
14	Non forest Govt. other land	0	31	Forest land acquired	145.13
15	Non forest mineralized	2.347	32	Non forest land acquired	8.834
16	Non forest non mineralized land	15.133	33	Area in forest	176.616
17	Degraded land by pit	78.042	34	Area in non forest	17.480

3. Reserve as on 01.04.2024

Name of mineral	Proved (UNFC 111)		Probable (UNFC 122)		Remaining Resources		Total	
	Qty. t	Grade	Qty. t	Grade	Qty. t	Grade	Qty. t	Grade
Iron Ore	109584258	+45% Fe	109027780	+45% Fe	51678270	+45%	270290308	+ 45% Fe

Annual production:

Year	Minerals	Production (t)	Closing stock (t)
2021-22	Iron Ore	2148781	528527
2022-23	Iron Ore	5601421	475767
2023-24	Iron Ore	4651416	423196
2024-25	Iron Ore	7499810	-

2025-26	Iron Ore	7499740	-
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4. SUBGRADE MINERALS AND MINERAL REJECT

a. Sub-grade

Name of Mineral	Quantity generated (MT)	Quantity consumed	% utilization	Quantity stacked	Nature of utilization	Grade of sub grade
Cumulative as on 01.04.2024	NA					
During previous year 2023-24	NA					
During the year 2024-25	NA					
Cumulative as on date of inspection						

b) Mineral reject:

Name of Mineral	Quantity generated	Quantity consumed	Quantity stacked	Nature of utilization	Remarks
Cumulative as on 01.04.2024	1092376	1092376	0	100 % blending	Blending with high grade ore.
During previous year 2023-24	0	0	0	-	-
During the year 2024-25	0	0	0	-	-
Cumulative as on date of inspection	1092376	1092376	0	100 % blending	Blending with high grade ore.

5. OVERBURDEN AND WASTE GENERATED

Cumulative O.B. removed as on 01.04.2024 (M³)	OB removed in previous year (M³) 2023-24	During the year 2024-25 (M³)	Ore O.B. ratio 2022-23 (T/cumt)	Ore O.B. ratio 2023-24 (T/cumt)	Whether dumping on mineralized ground (Y/N)	Remark, if dumped on mineralized ground
1036028	387604	92256	1:0.090	1:0.083	N	

6. EXTENT OF OPEN-PIT DEVELOPMENT

Pit Name	Location of advancement	No. of OB benches	Height bench (m)	Width (m)	No. of benches in ore.	Bench Slope	Top RL (m)	Bottom RL (m)	Overall pit slope
North	N2440995/2441445 E331031/331527	0	9	15	8	70	536	464	27
South	N2439524/2439867 E330966/331235	0	9	15	5	70	590	545	24

7. REHABILITATION OF QUARRY- if Applicable

Year	Area broken (Hect)	Area reclaimed	Area matured for reclamation	% of Reclamation	Area rehabilitated			Total area rehabilitated
					BF	WR	OM	

Cumulative as on 01.04. 2024	NA	NA	NA	NA	NA	NA	NA	NA
During previous year 2023-24	NA	NA	NA	NA	NA	NA	NA	NA
During the year 2024-25	NA	NA	NA	NA	NA	NA	NA	NA
Cumulative as on date of inspection	NA	NA	NA	NA	NA	NA	NA	NA

8. Employment

Maximum number of persons employed on any day during the year(i) below ground (ii) above ground and (iii) in all in the mines (548 heads)

Classification	Average daily employment			Average No. of days worked in a year	Remarks
	Direct	Contract	Total		
OPENCAST					
a) Managerial person	18	15	33	330	
b) Supervisory persons	11	69	80		
c) Workers	00	277	277		
d) Ministerial persons	00	00	00		
c) Employment in plant	06	39	39		
f) Others	08	65	65		
UNDERGROUND					
a) Managerial person*	NA	NA	NA		
b) Supervisory persons	NA	NA	NA		
c) Workers	NA	NA	NA		
d) Ministerial persons	NA	NA	NA		
c) Employment in plant	NA	NA	NA		
f) Others	NA	NA	NA		

9. EXTENT OF UNDERGROUND DEVELOPMENT : N A

i) Details of Shaft

Shaft no./ name	Shaft top RL	Shaft bottom RL	Depth(m)

ii) Details of incline

Incline no./ name	Incline top RL	Incline bottom RL	Length(m)

iii) Details of Adit

Level no./ Name	Level RL	Level length

iv) Details of Level

Level no./ Name	Level RL	Level length

(i) Details of Shaft

Shaft no./ name	Shaft top RL	Shaft bottom RL	Depth (m)

(ii) Details of incline

Incline no./ name	Incline top RL	Incline bottom RL	Length (m)

(iii)Details of Adit

Level no./ Name	Level RL	Level length

(iv) Details of Level

Level no./ Name	Level RL	Level length

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10. EXPLORATORY MINING YEAR – NA

11. EMP DATA

Station no.	Type of area Agriculture	Season	Physical	Chemical	Remarks

b) Air Data FY 2023-24– Attached as Annexure

c) Noise Data FY 2023-24– Attached as Annexure

Station no.	Station name	Season	Type of area (Industrial/ commercial/ residential/ silence zone	Day time	Nighttime	Remarks
1						
2						

Station no.	Seasons Summer/ Winter/ Monsoon/ Post monsoon	SPM	Pb	So ₂	NOX	CO	Free silica	Rpm	Rate of dust fall	Remarks
i) Discharge place (Agriculture land/ Forest land/ Wasteland/ Nallah/ River		Test Parameters					Results Unit			

[illegible]

Station no.	Seasons Summer/ Winter/ Monsoon/ Post monsoon	SPM	Pb	So ₂	NOX	CO	Free silica	Rpm	Rate of dust fall	Remarks
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Year	Station no.	Station name	Station type (colony, pit, river, down stream)	Season	Element (drinking/ Effluent)	Parameter name	Parameter value	Excess value	Remarks

iv) Vibration data FY 2023-24

Station no.	Station name	Season (Summer/ Winter/ Monsoon/ Post Monsoon)	Peak particle velocity	Air over pressure	Frequency	Remarks

12. RECLAMATION / REHABILITATION OF TAILING PONDS

Tailing Ponds- NA

Year	Area occupied	Area stabilized / rehabilitated	Means of rehabilitation
Cumulative as on 01.04. 2024	NA	NA	NA
During previous year 2023-24	NA	NA	NA
During the year 2024-25	NA	NA	NA
Cumulative as on date of inspection	NA	NA	NA

13. RECLAMATION / REHABILITATION OF WASTE DUMP

Year	Qty. of O.B. Waste rock (tonnes)		Total area occupied by dumps (ha)		Area stabilized (ha)		Dump design (Max-ht, angle)			Method of stabilization	No. of dump stabilized
	Excavated	Dumped	Dead	Alive	Dead	Alive	Ht	Angle	No. of terrace		
Cumulative as on 01.04. 2024	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
During previous year 2023-24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
During the year 2024-25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cumulative as on date of inspection	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

14. CHARACTERISTICS OF WASTE DUMP AND TOPSOIL DUMP

i) Dump details

Number and name of Dump	Dump type TS/OB /SGM	Dumped on (mineralize/ non mineralized land)	Co-ordinates (Local Grid)		Area Sq. m	Height	Angle	Capacity Cu. m
			X	Y				
New Dump-1	OB	non mineralized land	N2439598/2439752	E331343/331535	0.648 ha	30	28 degree	1036028

ii) Topsoil dump

Topsoil	Quantity generated	Quantity used	Quantity stored	% stored	% utilization	Purpose of utilization
Cumulative as on 01.04.2024	NA	NA	NA	NA	NA	NA
During previous	NA	NA	NA	NA	NA	NA

year 2023-24						
During the year 2024-25	2335	2335	-	-	100%	Preparation of Bed for Plantation
Cumulative as on date of inspection	2335	2335	-	-	100%	Preparation of Bed for Plantation

15. COMMUNITY DEVELOPMENT:

Community Development Plan (in and around the mines)

S.N	Proposed action towards socio-economic development during the current year	Expenditure proposed in Rs. Lakhs (Previous financial year)- 2022-23	Expenditure incurred in Rs. Lakhs (Previous financial year)- 2022-23	Expenditure proposed in Rs. Lakhs 2023-24	Expenditure incurred during the year 2023-24	Expenditure proposed for current year 2024-25	Remarks
1	General development in the area						
	a) Housing						
	b) Water supply	22.53	18.23	30	25.45	35	
	c) Sanitation	3	1.68	20	17.17	25	
	d) Health, safety and medical facilities.	17.1	10.1	10	9.06	20	
2	Training	3.55	2.5	5	4.05	8	
3	Employment to local inhabitants	105	103.45	120	116.64	130	
4	Infrastructure- public transport, roads, communication and electricity	30	28.42	50	46.96	30	
5	Recreation and other sports activities	21.8	17.49	10	7.56	15	
6	Expenditure for environment management	40	37	111	116.60	120	
7	Others	83.95	33.23	45	36.64	50	
	Total	329.93	252.10	401.32	380.13	433	
	% expenditure out of total annual budget						
	Total						

16. PLANTATION

Plantation	Inside mining lease			Outside mining lease		
	No. of trees	Area in hect.	Rate of survival	No. of trees	Area in hect.	Rate of survival
Cumulative as on 01.04. 2024	5362	2.14	77%	1003	0.40	72%
During previous year 2023-24	9730	2.12	77%	370	0.38	72%
During the year 2024-25	971	0.39	89%	50	0.02	91%
Cumulative as on date of inspection	6282	2.51	83%	1053	0.42	82%

17. Status of compliance of MCDR, 88 including therewith the rectification of outstanding violation of the rules.

Date of last inspection	Violation pointed out	Compliance reported
NA	NA	NA

18. (a) Note on justification in case of suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 if recommended.

Reply: NA

(b) If rule 13(2) or 56 has been imposed in the past, its details need to be included specially giving reasons and letter number.

Reply: NA

PART III-MCDR Report details.

1. 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	Remarks
1a	Backlog of previous year	2023-24 -30 Nos	2023-24 -30 Nos	
1b	Exploration over lease area for Geological axis 1 or 2.	30 nos 2532 Mtrs	30 nos 2782 Mtrs	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Sarda Mines Pvt Ltd Proposed – INR 88,72,500/-	Sarda Mines Pvt Ltd Actual Exp.- INR 97,37,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2			73.626 Ha of potentially mineralized area under G-2 shall be explored for conversion of the area to G-1.
1e	Balance reserves as on 01.04.2024	(OB – 270290531, Production – 7499891) CB - 262790640	(OB – 270290531, Production – 4651416) CB - 265639115	+45% Fe
1f	General remarks of inspecting officer on geology, exploration etc.	The Iron & Dolomite ore deposit of Kasia leasehold area is a part of Bonai Keonjhar group forming a part of "Horse- Shoe Synclinorium" comes under the litho stratigraphic units. The general trend of the rock is N-S with variation between NNW-SSE to NNE-SSW with rolling dip varying from 20 degree to 35 degree westerly. The potentially mineralised area is broadly explored in G1 & G2 category with 193 nos boreholes reported in lease area.		

2. Development:

S.N.	Item	Proposals (2023-24)	Actual work	Remarks
2a	Location of development w.r.t. lease area	North Block (N2440995/2441445 E331031/ 331527) South Block (N2439524/2439867 E330964/331235)	Broadly within proposed area.	

2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.065	1:0.083	
2d	Quantity of topsoil generation in m ³	Nil	Nil	No top-soil bench as the working in the broken up area only.
2e	Quantity of overburden generation in m ³	490200	387604	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development was broadly within proposed area.		

3. Exploitation (2023-24)

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2	2	North Block & South Block
3b	Quantity of ROM mineral production proposed (tonne)	7499891	4651416	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation(tonne)	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Down-the hole crawler drills (Atlas Copco) ROC L8 & FMT)	Down-the hole crawler drills FMT	105 mm dia.

3k	Provision of mining machineries in mineral benches	Dumper Shovel Combination	Dumper Shovel Combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 9 mtrs and Width - 15 mtrs	Bench Height- 9 mtrs and Width -15 mtrs	
3m	Total area covered under excavation/pits	78.042	78.042	
3n	Ore to OB ratio for the pit/mine during the year	1:0.051	1:0.091	
3o	Total area put in use under different heads at the end of year	100.809	100.809	
3p	Production of ROM mineral during the last five year period as applicable.	2021-22-2148930 2022-23-7499495 2023-24-7499891	2021-22-2148781 2022-23-5601421 2023-24-4651416	The lease deed was executed on 20.11.2021.
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is by opencast method by using HEMM and deep hole drilling and blasting. The mining activity by fully mechanized method with shovel and dumper combination.		

4. Solid Waste Management-Dumping:

S.N.	Item	Proposals(2023-24)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Topsoil dump – Nil Mineral Reject Dump – Nil Overburden dump – Yes	Top Soil Dump – No top soil dump generated Mineral reject dump – Mineral rejects are directly fed into plants Overburden dump – Yes maintained	
4b	Location of topsoil, OB & mineral reject dumps	Overburden dumps - N2439598/2439752 E331343/331535	Broadly as per proposal.	
4c	Number of dumps within lease area and outside lease area	New Dump-1 area within lease area	New Dump-1 area within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	-	The present overburden dump area is outside the UPL.

4e	Number of active & alive dumps	01	01	
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	Maintenance of Retaining Wall & Garland Drain	Maintained	
4i	Length of Retaining wall or garland drain all along dump	Retaining Wall – 200 m Garland Drain – 200 m	Retaining Wall – 200 m Garland Drain – 200 m	
4j	Number of settling ponds	06 Nos. Settling ponds to be maintained as constructed by Ex-lessee.	06 Nos. Settling ponds were de-silted - constructed by Ex-lessee.	
4k	Specific comments of inspecting officer on waste dump management	During mine visit it was observed that waste dumping is broadly as per proposal		

5. Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2023-24)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	-	-	NA
5b	Area under backfilling of mined out area	-	-	NA
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	-	-	NA
5d	Total area fully reclaimed. & rehabilitated	-	-	NA
5e	General remarks of inspecting officer on backfilling, reclamation etc	-	-	NA

6. Progressive Mine Closure Plan:

S.N.	Item	Proposals (2023-24)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Annual Report on PMCP to be submitted on or before 30 th June every year	Annual Report on PMCP has been sent on 29/06/2024	
6b	Area available for rehabilitation (ha)	-	-	No proposal

6c	Afforestation done (ha)	-	-	
6d	No. of saplings planted during the year	1500	Planted in WML-9730 OML-370	
6e	Cumulative no. of plants	1500	Planted in WML-9730 OML-370	
6f	Any other specific method of rehabilitation	-	-	No proposal
6g	Cost incurred on watch & care during the year	-	Total Cost incurred is INR-150000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	-	-	No proposal
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	-	-	No proposal
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	-	-	No proposal
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	-	-	No proposal
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	-	-	No proposal
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	-	-	No proposal
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	-	-	No proposal
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	-	-	No proposal
6p	Compliance of Environmental monitoring (core zone & buffer zone)	To be done as per MOEF & CC , Guide line.	Monitoring has been carried out as per the MOEF & CC Guidelines	No proposal
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Broadly as per proposal.		

7. Mineral Conservation:

S.N.	Item	Proposals (2023-24)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade sorted were 1. +65% Fe Fines 2. 62-65 % Fe Fines & CLO 3. 60-62 % Fe Fines & CLO 4. 58-60 % Fe Fines & CLO	Grade sorted were 1. +65% Fe Fines 2. 62-65 % Fe Fines & CLO 3. 60-62 % Fe Fines & CLO 4. 58-60 % Fe Fines & CLO	Grade wise mineral sorting is done through screening and crushing plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	Grade sorted were 1. +65% Fe Fines 2. 62-65 % Fe Fines & CLO 3. 60-62 % Fe Fines & CLO 4. 58-60 % Fe Fines & CLO	Grade sorted were 1. +65% Fe Fines 2. 62-65 % Fe Fines & CLO 3. 60-62 % Fe Fines & CLO 4. 58-60 % Fe Fines & CLO	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The blending of low grade with high grade done to get the desire grade.		

8. Environment:

S.N.	Item	Proposals(2023-24)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	Nil top soil generation
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	New Dump-1 and 20 % in road making.	New Dump-1 and 20 % in road making.	Overburden is dumped and 20% used for road preparation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-	-	No proposal in Mining Plan.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1500	6272	

8g	Survival rate	80%	79.50%	
8h	Water sprinkling on roads to control airborne dust	2nos 10 KL & 1 No. 28 KL 1.5 KM Static Water Sprinkling	2nos 10 KL & 1 No. 28 KL 1.5 KM Static Water Sprinkling	Mobile water tanker engaged for water sprinkling and Static Water Sprinkling installed for dust suppression
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	During mine visit no adverse impact on aesthetic beauty within lease observed.		

9. Compliance of Rule 45

S.N.	Item	Proposals 2023-24	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return to be submitted before 10 th of every month and annual return to be submitted before 1 st July of succeeding year.	Monthly return submitted before 10 th of every month and annual return submitted 29-06-2024.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Appointed of statutory person to be submitted in Form-I	Information furnished in the annual return.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Information furnished in the annual return.	
9d	Scrutiny of Annual return on Afforestation		Information furnished in the annual return.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)		Information furnished in the annual return.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Information furnished in the annual return.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost etc.		Information furnished as per ASP in the annual return.	
9h	Scrutiny of Annual return on fixed assets		Information furnished in the annual return.	
9i	Scrutiny of Annual return on mining machineries		Information furnished in the annual return.	

Details of violations observed during current inspection and compliance position of earlier violation pointed Out:- The earlier violations complied and during present inspection no serious violations observed.

