

MCDR INSPECTION REPORT

Date of Inspection: 03/12/2024

General

S. N.	Particulars	Details
1	Name of the Mine	Jilling Langalotta Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area 456.01 Ha Forest Land: 392.289 Ha Non Forest land :63.748 Ha
3	Minecode	30ORI08125
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/4269/2011
5	Name of the lessee, Address, phone, email and fax number	M/s- Odisha Mining Corporation Ltd, OMC House, Unit-4, Post Box No- 34, Bhubaneswar-751001, Khurda, Odisha. E-mail : info@orissamining.com Phone:0674-2377400 Fax No:0674-2580145
6	Village	Jalahuri , Jurudi, Banspani,Khuntapani,Bholabeda, Jajang
7	Taluka/Mandal	Barbil
8	District	Keonjhar
9	Pincode	758034
10	State	Odisha
11	Post office	Jajang
12	Nearest police station	Bamebari
13	Nearest Railway station	Jaroli
14	Date of Grant of Mining Lease	11-01-2021
15	Date of Execution	11-01-2021
16	Date of opening of Mine	11-01-2021
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	Shri Balwant Singh, IAS, (Managing Director & Nominated Owner), Odisha Mining Corporation Limited, OMC House, Post Box No- 34 Bhubaneswar -751001, Odisha. Email:info@orissamining.com Phone:0674-2395689 Fax:0674-2391629 Date of appointment -08-01-2021
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Abanikanta Pradhan, (Agent cum Regional Manager), Regional office,Odisha Mining Corporation Limited, Barbil . At/Po- Barbil, Dist- Keonjhar, Pin-758035, Odisha. Phone:9437431943,

		Email: apradhan@odishamining.in Date of appointment -02-06-2021
22	Name of the Mines Manager with Address, mobile no, email, fax number and date of appointment in mine	Shri Chinmay Kumar Parida (Mines Manager), At- Jilling, Post- Jajang, Via-Joda, Tahasil-Barbil, Dist- Keonjhar, Odisha . Phone:9742158721 E-mail: cparida@odishamining.in Date of appointment:13-01-2021
23	Name of the Mining Engineer, Qualification and total experience with Address, mobile no, email, fax/phone number and date of appointment in mine	Shri Tapas Kumar Mohapatra, B.tech in Mining Engineering with first class mines manager certificate holder , 15 years of experience . At- Jilling, Post- Jajang, Dist- Keonjhar, Odisha, Pin -758034. Phone-9438368343, Email: tapas.mohapatra@odishamining.in Date Of appointment:14-04-2021
24	Name of the Geologist, Qualification and total experience with Address, mobile no, email, fax number and date of appointment in mine	Shri Tarun Kumar Kandeyang M. Sc, Mphil (Geology) 20 years of experience Phone: 8018706178 Email : tkkandeyang@odishamining.in Date of appointment: 03-05-2023
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes, <u>Mining Engineer:</u> Shri Tapas Kumar Mohapatra, B.tech in Mining Engineering with first class mines manager certificate holder , 15 years of experience . At- Jilling, Post- Jajang, Dist- Keonjhar, Odisha, Pin -758034. Phone-9438368343, Email: tapas.mohapatra@odishamining.in Date Of appointment:14-04-2021 <u>Geologist:</u> Shri Tarun Kumar Kandeyang M. Sc, Mphil (Geology) 20 years of experience Phone: 8018706178 Email : tkkandeyang@odishamining.in Date of appointment: 03-05-2023
26	Date of Approval of Mining Plan/Review of Mining Plan/ their modifications with five-year period and specific condition in approval letter, if any.	Mining Plan approved on dated 19-03-2021. Modified mining plan approved on dated 18-11-2021
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
28	Mineral(s) granted in lease and proved for mining	Iron Ore

29	Method of Mining (Opencast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
31	Captive/Non Captive	Non Captive

Exploration:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
1a	Backlog of previous year	56 Bore holes (3360 meter)	82bore holes (3510meter)	246 Bore holes completed till the end of the FY 2023-24 against proposal 208 bore holes during the plan period.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	G1 = 156.68 Ha	Actual cumulative: G1 = 299.74 Ha G2 = 156.36 Ha Total Potential mineralized area within the ML area =156.68 Ha has been proved in G1 category.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	Maheswari Mining Pvt. Ltd. & Mining associates private Ltd. Expenditure: Rs. 20929244/- (2092 Lakhs)	Name of core drilling agency - Maheswari Mining Pvt. Ltd. & Mining associates private Ltd.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Though entire lease area has been proved in G1 & G2 level so infilling Borehole have been done for depth proving.
1e	Balance reserves as on 01.04.2024	NA	24023346 tons	Reserve as on 01.04.2024
1f	General remarks of inspecting officer on geology, exploration etc.	The lessee has carried out 82 no of boreholes with 3510 mtrs against a proposal of 56 no of bore holes with 33360 mtrs		

		during the reporting year FY 2023-24. The lessee has an expenditure of Rs. 2092 lakhs for exploration and exploration was carried out by M/s. Maheswari Mining Pvt. Ltd. & M/s. Mining associates private Ltd. During this plan period, the lessee has drilled a total of 246 Bore holes completed till the end of the FY 2023-24 against proposal 208 bore holes. Out of the ML area, G1 = 299.74 Ha. & G2 = 156.36 Ha. & entire potential mineralized area within the ML area i.e. 156.68 Ha has been explored under G1 category. As per submitted AR of 2023-24 about 24023346 tons iron ore reserve available in the mine.
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Development:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Two quarries Jajanga-Langalotta and Appahatu -Behera Quarry were proposed within the lease area. Jajanga Langalotta Coordinates 2427532.593 - 2428557.309 N 337738.885 - 338373.617 E Appahatu & Behera Quarry 2430443.488 - 2431340.184 N 336826.678 - 337250.585 E	Development was done in the proposed area. Jajanga Langalotta Coordinates 2427619.416- 2428524.924 N 337785.369- 338344.239 E & Appahatu Behera Quarry 2430678.56 - 2431258.926 N 336896.917 - 337192.548 E 619-552 MRL	
2b	Separate benches in topsoil, overburden and mineral	Top soil benches =0 Overburden benches =0 Mineral benches Jajanga - Langalotta =11 Appahatu-Behera Quarry=10	Top Soil – Nil Overburden benches =0 Mineral benches Jajanga - Langalotta =7 Appahatu-Behera Quarry=7	
2c	Stripping ratio or ore to OB ratio	OB:ORE – 1:0.65	OB: ORE – 1: 0.36	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	2851175cum	738387.34 cum	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	The lessee has partially deviated the production and development work against the approved proposal during the reporting year and the lessee could not achieve the targeted proposal during the reporting year due to non-obtaining of environment clearance in due time, forest tree felling permission and synchronization of sale of finished products already produced from the lease the during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 20.12.2024 to the lessee in this regard.		

Exploitation:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
3a	Number of pits proposed for production	Two pits are proposed for production i.e. Jajanga-Langalotta & Appahatu – Behera Quarry	Excavation done in the proposed quarry of Jajanga-Langalotta & Appahatu – Behera Quarry.	
3b	Quantity of ROM mineral production proposed	10,000,000 MT	40,65,000 MT	Non-obtaining of environment clearance for 10 MPTA in due time.
3c	Recovery of salable/usable mineral from ROM production	82,25,237 MT	36,35,402 MT	
3d	Quantity of mineral reject generation	17,74,762.8 MT	4,29,598 MT mineral reject blended and used	
3e	Grade of mineral reject generation and threshold value declared	Fe % raised between > 45 % to 55 % is declared as Grade of mineral reject. Threshold value declared as per IBM guide line is 45 %	Fe % raised between > 45 % to 55 % is declared as Grade of mineral reject. Threshold value declared as per IBM guide line is 45 %. Weighted averages around 53 % of Fe grade mineral rejects are produced.	
3f	Quantity of sub-grade mineral generation	NA	NA	NA
3g	Grade of sub-grade mineral	NA	NA	NA

	generation			
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	No such analysis or beneficiation study carried out for sub-grade mineral during the reporting year.	
3j	Provision of drilling & blasting in mineral benches	Deep Holes drilling and blasting was proposed with 115 mm dia blast holes.	Drilling and blasting was carried out in mineral benches with 83 mm Solar prime/aquadyne cartridge formed explosives, NONEL detonators are being used.	
3k	Provision of mining machineries in mineral benches	Deployment of mining machinery is proposed in mineral benches by Shovel Dumper combination. ROM will be excavated and loaded in the 35T/40T dumper by 3.1 m ³ & 2.5 m ³ excavators.	Deployment of mining machinery is proposed in mineral benches by Shovel Dumper combination. ROM will be excavated and loaded in the 35T/40T dumper by 3.1 m ³ & 2.5 m ³ excavators.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, it is proposed to keep the bench height up to 10 mtr for both Ore & OB benches.	Height and width of benches were more or less in order as per the proposal of the approved document.	
3m	Total area covered under excavation/pits	115.906 Ha is proposed	114.582 Ha is used for mining	
3n	Ore to OB ratio for the pit/mine during the year	OB:ORE – 1:0.65	OB: ORE – 1: 0.36	Ore excavation less due to high stock of mineral inside mining

				lease. Hence, deviation in Ore to OB ratio in the reporting year.
3o	Total area put in use under different heads at the end of year	291.754 Ha area put to use at the end of the year Area under Mining = 115.906 Waste dump site =40.696 Mineral storage=29.5539 Infrastructure =33.1398 Road =15.3341 Railways=15.84 Mineral separation plant=12.7692 Town ship area=5.9277 Others =22.548	240.384 Ha area has been put in use at the end of the year Area under Mining = 114.582 Waste dump site =25.867 Mineral storage=19.637 Infrastructure =23.844 Road =10.333 Railways=15.84 Mineral separation plant=10.7 Town ship area=5.921 Others =13.66	
3p	Production of ROM mineral during last five-years period, as applicable	2020-21: 500000 MT 2021-22: 6280000 MT 2022-23: 10000000 MT 2023-24: 10000000 MT	2020-21: 196350 MT 2021-22: 5653000 MT 2022-23: 6280000 MT 2023-24: 4065000 MT	
3q	General remarks of inspecting officer on method of	The lessee has partially deviated the production and development work against the approved proposal during the reporting year and the lessee could not achieve the targeted proposal during the reporting year due to non-obtaining of environment clearance in due time, forest tree felling permission and synchronization of sale of finished products already produced from the lease the during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 20.12.2024 to the lessee in this regard.		

Solid Waste Management-Dumping:

S. N.	Item	Proposals (FY	Actual work	Remarks
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		2023-24)		
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed Top soil generation. OB dumping in the waste dump Mineral rejects will be used in blending with higher grade.	NIL Top soil 738387.34 cubic meter OB excavated and dumped in the waste dump and backfilled area 429598 MT Mineral rejects blended with higher grade.	
4b	Location of topsoil, OB & mineral reject dumps	<u>Appahatu South</u> 2430027.384 - 2430438.694 N 337351.829 - 337665.747 E <u>Backfilling</u> <u>Appahatu Behera</u> <u>Quarry:</u> 2430986.3 - 2431260.1 N 336860.3- 337198.1 E Jilling Gangeigora: 2428853.1 - 2429352.6 N 337914.7 - 338378.6 E	<u>Dump No-4:</u> 2429373- 2429699 N 337949 -338203 E <u>Appahatu South:</u> Nil <u>Backfilling</u> <u>Appahatu Behera</u> Quarry: NilBackfilling <u>Jilling</u> <u>Gangeigora:</u> 2428855.3 - 2429229.1 N 337959.6 - 338281.3 E	Due to non-availability of required tree felling permission , Appahatu south dump could not be started
4c	Number of dumps within lease area and outside lease area	Appahatu_south dump is proposed for waste dumping within the lease area.	OB dumping is done in Dump No-4 within the lease area.	Appahatu_south dump has not started due to non-availability of tree felling permission
4d	Location of dumps w.r.t. ultimate pit limit	<u>Appahatu South</u> 2430027.384 - 2430438.694 N 337351.829- 337665.747 E	<u>Dump No-4 :</u> 2429373- 2429699 N 337949 -338203 E <u>Appahatu South</u> Nil	Appahatu_south dump has not started due to non-availability of tree felling permission
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	6	6	
4g	Number of dumps stabilized	5	5	
4h	Whether Retaining wall or	Yes, proposal for	Nil	Appahatu south

	garland drain all along dumps are there	about 953 mtr construction new Retaining wall and garland during the reporting year FY 2023-24.		dump has not started due to non-availability of tree felling permission
4i	Length of Retaining wall or garland drain all along dump	Yes, proposal for about 953 mtr construction new Retaining wall and garland during the reporting year FY 2023-24.	Nil	OB dumping has not started in Appahtu north dump so retaining wall has not done.
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The lessee has partially deviated the production and development work against the approved proposal during the reporting year and the lessee could not achieve the targeted proposal during the reporting year due to non-obtaining of environment clearance in due time, forest tree felling permission and synchronization of sale of finished products already produced from the lease the during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 20.12.2024 to the lessee in this regard. Due to unavailability of forest permission Appahatu south dump could not be constructed. Hence proposal for retaining wall and garland drains could not be achieved during the reporting year i.e. FY 2023-24.		

Solid Waste Management-Backfilling:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	143474 square meter/ 14.34 Ha area proposed to backfill in Jilling Gangeigora	Full extraction of mineral has been done before back filling at Jilling Gangeigora. Quarry and complete exploration has also already been done. About 8.1 Ha area back filling has been carried out during the reporting year.	
5b	Area under backfilling of mined out area	143474 square meter/ 14.34 Ha	Full extraction of mineral has been	

		area proposed to backfill in Jilling Gangeigora	done before back filling at Jilling Gangeigora. Quarry and complete exploration has also already been done. About 8.1 Ha area back filling has been carried out during the reporting year.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	<p>The lessee has partially deviated the production and development work against the approved proposal during the reporting year and the lessee could not achieve the targeted proposal during the reporting year due to non-obtaining of environment clearance in due time, forest tree felling permission and synchronization of sale of finished products already produced from the lease the during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 20.12.2024 to the lessee in this regard. Due to unavailability of forest permission Appahatu south dump could not be constructed. Hence proposal for retaining wall and garland drains could not be achieved during the reporting year i.e. FY 2023-24. Full extraction of mineral has been done before back filling at Jilling Gangeigora and about 8.1 Ha area back filling has been carried out against a proposal of 143474 square meter/ 14.34 Ha area during the reporting year.</p>		

Progressive Mine Closure Plan:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). (Hard copy same provided)	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. 14.3474 Ha. ii. 13.41 Ha. iii. Nil iv. Nil v. Nil	i. 8.10 Ha. ii. 8.10 Ha. 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) 3750 nos of saplings ii) 2023-24= 1.50 Ha. iii) Plantation with 80% survival	i) 4800 nos of saplings during reporting year. ii) 2023-24= 1.50 Ha. iii) Plantation with 90% survival	
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.	Environmental monitoring in Core zone and buffer zone were carried out as per MOEFCC and SPCB guidelines during the reporting year FY 2023-24.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The lessee has carried out afforestation and environmental monitoring as per the proposal during the reporting year. The lessee has carried out plantation of 4800 nos of		

		saplings over 1.50 Ha. @ 90% of survival rate during the reporting year FY 2023-24. The lessee could partially carried out proposed backfilling i.e. 8.10 Ha. against the proposal of 14.3474 Ha. During the reporting year. PMCP proposals carried out by the lessee are more or less in order w.r.o. the proposals.
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Mineral Conservation:

S. N.	Item	Proposals (FY2023-24)	Actual work	Remarks
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	
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	
7d	Any beneficiation process at mines	Dry beneficiation by using crusher and screen plant	Ore processing by Crushing & screening plants	No Such proposal during the reporting year.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Saleable Ore: +55 % Fe, Mineral Reject: - +45 to 55% Fe stocks are being practiced. Further no beneficiation process was proposed. Only crushing and screening are being carried out during the reporting year.		

Environment:

S. N.	Item	Proposals ((FY 2023-24))	Actual work	Remarks
8a	Separate removal and utilization 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.	

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	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 14.3474 Ha. area was proposed	During the reporting year about 8.10 Ha. area has been backfilled by generated overburden/waste rock, etc. during the course of mining.	
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 14.3474 Ha. area was proposed	During the reporting year about 8.10 Ha. area has been backfilled by generated overburden/waste rock, etc. during the course of mining.	
8f	Baseline information on existence of plantation & additional plantation done	About 3750 nos of saplings over 1.50 Ha. area were proposed to be planted @ with 80% survival rate.	About 4800 nos of saplings over 1.50 Ha. area were planted @ with 90% survival rate during reporting year within the lease area.	

8g	Survival rate	About 3750 nos of saplings over 1.50 Ha. area were proposed to be planted @ with 80% survival rate.	About 4800 nos of saplings over 1.50 Ha. area were planted @ with 90% survival rate during reporting year within the lease area.	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker over haul roads has been carried out during the reporting year.	Water tankers are dedicated used for water sprinkling on roads to control airborne dust. Fixed water sprinkling system is also in operation. Dry fog system and mixed canons are equipped at crusher and screen plants.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The lessee could not achieve the targeted proposal of back filling during the reporting year. During the reporting year about 8.10 Ha. area has been backfilled by generated overburden/waste rock, etc. during the course of mining. However, the lessee has planted 4800 no of saplings over 1.50 Ha. with a survival rate of 90% within the lease area. Water sprinkling by water tanker, mobile water sprinklers Dry fog system and mixed canons within over haul roads & in processing plants to control the airborne dust and to minimize the fugitive dust emission. This sustains the aesthetic beauty of the mine area.		

Compliance of Rule 45

S. N.	Item	Comments		Remarks.
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto: October 2024 A.R. submitted upto FY 2023-24 Monthly returns and annual return for the reporting year have been submitted within the stipulated time period.		
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	1. Shri Chinmay Kumar Parida -	1. Shri Chinmay Kumar Parida -	

	Mining Engineer, Geologist and Manager	Mines Manager 2. Shri Tapas Kumar Mohapatra – Mining Engineer 3. Shri Tarun Kumar Kandeyang-Geologist were present during the inspection.	Mines Manager 2. Shri Tapas Kumar Mohapatra – Mining Engineer 3. Shri Tarun Kumar Kandeyang-Geologist were present during the inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	240.384 Ha area has been put in use at the end of the year Area under Mining = 114.582 Waste dump site =25.867 Mineral storage=19.637 Infrastructure =23.844 Road =10.333 Railways=15.84 Mineral separation plant=10.7 Town ship area=5.921 Others =13.66	240.384 Ha area has been put in use at the end of the year Area under Mining = 114.582 Waste dump site =25.867 Mineral storage=19.637 Infrastructure =23.844 Road =10.333 Railways=15.84 Mineral separation plant=10.7 Town ship area=5.921 Others =13.66	
9d	Scrutiny of Annual return on afforestation	About 4800 nos of saplings over 1.50 Ha. area were planted @ with 90% survival rate during reporting year within the lease area.	About 4800 nos of saplings over 1.50 Ha. area were planted @ with 90% survival rate during reporting year within the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	429598.000 tons of mineral reject of +45 to 55 % Fe were generated during FY 2023-24.	429598.000 tons of mineral reject of +45 to 55 % Fe were generated during FY 2023-24.	
9f	Scrutiny of Annual return on ROM stock	<u>Iron Ore:</u>	<u>Iron Ore:</u>	

	and/or graded ore	Opening Stock: Nil Production: 4065000.000 tons Closing Stock : Nil	Opening Stock: Nil Production: 4065000.000 tons Closing Stock : Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production Rs. 3040.58/- furnished in submitted Annual Return for FY 2023-24.	Cost of production Rs. 3040.58/- furnished in submitted Annual Return for FY 2023-24.	
9i	Scrutiny of Annual return on fixed assets	Fixed Asset: Rs. 938572600/-, furnished in the annual return of the reporting year.	Fixed Asset: Rs. 938572600/-, furnished in the annual return of the reporting year.	
9k	Scrutiny of Annual return on mining machineries	BACK HOE 2.450 CUM 15 Non Electrical Opencast DUMPER 35.000 TONNE 52 Non Electrical Opencast FRONT END LOADER 4.400 CUM 15 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 3 Non Electrical Opencast CRANE 20.000 TONNE 1 Non Electrical Opencast DOZER 200.000 HP 2 Non Electrical Opencast MOTOR GRADER 196.000 HP 1 Non Electrical Opencast WATER TANKER 9000.000 LITRE 4 Non Electrical Opencast WATER TANKER	BACK HOE 2.450 CUM 15 Non Electrical Opencast DUMPER 35.000 TONNE 52 Non Electrical Opencast FRONT END LOADER 4.400 CUM 15 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 3 Non Electrical Opencast CRANE 20.000 TONNE 1 Non Electrical Opencast DOZER 200.000 HP 2 Non Electrical Opencast MOTOR GRADER 196.000 HP 1 Non Electrical Opencast WATER TANKER 9000.000 LITRE 4 Non Electrical Opencast WATER TANKER	

		20000.000 LITRE 4 Non Electrical Opencast	20000.000 LITRE 4 Non Electrical Opencast	
		CRUSHER 400.000 T/H 1 Non Electrical Opencast	CRUSHER 400.000 T/H 1 Non Electrical Opencast	
		CRUSHER 300.000 T/H 2 Non Electrical Opencast	CRUSHER 300.000 T/H 2 Non Electrical Opencast	