

MCDR INSPECTION REPORT

Date of Inspection: 09/01/2025

General

S. N.	Particulars	Details
1	Name of the Mine	Neelachal Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area – 874.29 ha (i) Forest Land (Ha) -806.15 (ii) Private Land (ha) – 8.91 (iii) Revenue land (ha) – 59.23
3	Minecode	30ORI13070
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/5027/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. NEELACHAL ISPAT NIGAM LTD. Odisha State Co-Operative Union, Samabaya Bhawan, 4 th Floor, Unit-9, Janpath, Bhubaneswar – 22, Odisha, Email – ninlmines@tsninl.com
6	Village	Mithirda
7	Taluka/Mandal	Koira
8	District	Sundargarh
9	Pincode	770048
10	State	Odisha
11	Post office	Patmunda
12	Nearest police station	Koira
13	Nearest Railway station	Nayagarh
14	Date of Grant of Mining Lease	18.02.2009
15	Date of Execution	11.01.2017
16	Date of opening of Mine	06.08.2019
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 Sri Sudhir Kumar Mehta Managing Director & CEO Neelachal Ispat Nigam Limited, IPICOL House (1st Floor Annexe), Bhubaneswar-22. Ph- 8658028151/7763807723 Email – mdoffice@tsninl.com Date of appointment – 09.07.2022
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri Rahul Kishore Chief (Mines) Neelachal Ispat Nigam Limited Mines Division, RMP Joda, Joda, Keonjhar – 758034 Mobile - 9264459020 Email – rahul.kishore@tatasteel.com Date of appointment – 15.09.2023

22	Name of the Mines Manager with Address, mobile no, email, fax number and date of appointment in mine	Sri Pankaj Kumar, Neelachal Ispat Nigam Limited, At/PO: Patmunda Dist: Sundargarh, PIN: 770048 Phone No: - 9264459020 Email id: pankaj.kumar1@tatasteel.com Date of appointment: 01.10.2024
23	Name of the Mining Engineer, Qualification and total experience with Address, mobile no, email, fax/phone number and date of appointment in mine	Sri Pankaj Kumar, Qualification –Degree in Mining Engineering (IEI) with 1 st Class Mine Manager Certificate of Competency under MMR 1961(Restricted) Total Experience –22 yrs Neelachal Ispat Nigam Limited, At/PO: Patmunda Dist: Sundargarh, PIN: 770048 Phone No: - 9264459020 Email id: pankaj.kumar1@tatasteel.com Date of appointment: 01.10.2024
24	Name of the Geologist, Qualification and total experience with Address, mobile no, email, fax number and date of appointment in mine	Sri Sudipta Das Qualification – M Sc (Applied Geology) Experience – 15 years Neelachal Ispat Nigam Limited Mines Division, Besides RMP Building, Tata Steel Ltd. At/PO- Joda, Dist: Keonjhar – 758034 Mobile – 9238306043 Email – sudipta.das@tatasteel.com Date of appointment -01.03.2024
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> Sri Pankaj Kumar, Qualification –Degree in Mining Engineering (IEI) with 1 st Class Mine Manager Certificate of Competency under MMR 1961(Restricted) Total Experience –22 yrs Neelachal Ispat Nigam Limited, At/PO: Patmunda Dist: Sundargarh, PIN: 770048 Phone No: - 9264459020 Email id: pankaj.kumar1@tatasteel.com Date of appointment: 01.10.2024 <u>Geologist:</u> Sri Sudipta Das Qualification – M Sc (Applied Geology) Experience – 15 years Neelachal Ispat Nigam Limited Mines Division, Besides RMP Building, Tata Steel Ltd. At/PO- Joda, Dist: Keonjhar – 758034 Mobile – 9238306043

		Email – sudipta.das@tatasteel.com Date of appointment -01.03.2024
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.	Approved vide RMP/A/02-ORI/BHU/2021-22 dated 04.05.2021. (Plan period 2021-22 to 2025-26)
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(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
31	Captive/Non Captive	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 (FY 2023-24)	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	There was no such exploration proposal during the reporting year. However, the lessee has carried out 377 nos of borehole within the lease area till the reporting year 2023-24. Out of the entire lease area About 405.69 Ha area has already been explored under G1 level of exploration. And exploration is going on in the remaining area to converted to G1 level of exploration.
1b	Exploration over lease area for Geological axis 1 or 2.	G1- 600 G2- 274.290ha	G1- 405.69 Ha G2- 468.60 Ha	There was no such exploration proposal during the reporting year. However, the lessee has carried out 377 nos of borehole within

				the lease area till the reporting yaer 2023-24. Out of the entire lease area About 405.69 Ha area has already been explored under G1 level of exploration. And exploration is going on in the remaining area to converted to G1 level of exploration.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	M/s. Gemco Kati Expenditure- 855.71 Lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	274.290ha	468.60 Ha	
1e	Balance reserves as on 01.04.2024	NA	149,917,133.22tons	Reserve as on 01.04.2024
1f	General remarks of inspecting officer on geology, exploration etc.	There was no such exploration proposal during the reporting year. However, the lessee has carried out 377 nos of borehole within the lease area till the reporting yaer 2023-24. Out of the entire lease area About 405.69 Ha area has already been explored under G1 level of exploration. And exploration is going on in the remaining area to be converted to G1 level of exploration. As per submitted AR of 2023-24 about 149,917,133.22tons iron ore reserve available in the mine.		

Development:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
2a	Location of development w.r.t. lease area	<u>Mithirda Quarry</u> : N2417265-N2417772 and E327562 to E328058	<u>Mithirda Quarry:</u> N2417340 -N 2417753 E327661- E327961	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.
2b	Separate benches in	Top soil benches = 0	Top Soil – Nil	The lessee has

	topsoil, overburden and mineral	Over burden benches = 0 Mineral benches = 5	Overburden benches =0 Mineral benches= 5	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.
2c	Stripping ratio or ore to OB ratio	1: 0.054T/m3	1: 0.034 T/m3	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	106975.350 m ³	62412.5000 m ³	
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 acquisition of NINL by Tata Steel Ltd and transition period for deployment of MDO to operate the mine. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 03.02.2025 to the lessee in this regard.		

Exploitation:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1970129.360 tons	1796886.780 tons	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.
3c	Recovery of salable/usable mineral from ROM production	1854239.400 tons	1784916.780 tons	
3d	Quantity of mineral reject	115889.96 tons	11970.00 tons	

	generation			
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 50 % of Fe grade mineral rejects are produced.	
3f	Quantity of sub-grade mineral generation	NA	NA	NA
3g	Grade of sub-grade mineral generation	NA	NA	NA
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 with 100mm dia was proposed keeping depth 8.8m, spacing up to 3.0m, burden 2.5m & blasting was proposed and few rock breakers will be used for hard Ore breaking.	Nonel type detonator is used in the hole with 100mm dia & of depth 8.8m with spacing 3.0m and burden 2.5m for blasting to control noise and for better fragmentation. The rock breakers are being used for boulder breaking.	
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 50T dumper by 3.1 m3 &	Deployment of mining machinery is proposed in mineral benches by Shovel Dumper combination. ROM will be excavated and loaded in the	

		2.8 m3 excavators.	50T dumper by 3.1 m3 & 2.8 m3 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 8 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	20.94 Ha is proposed	10.90 Ha is used for mining	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.054T/m3	1: 0.034 T/m3	
3o	Total area put in use under different heads at the end of year	<p>Mining (Pit): 20.94 ha Topsoil Preservation: 0.00ha Waste Dump: 3.5 ha Mineral Storage: 6.0 ha Infrastructure: 15.28 ha Roads: 5.0 ha Mineral Beneficiation Plant: 8.0 ha Township: 2.0 ha Others: 7.75 ha Total area put to use:68.47 ha</p>	<p>Mining (Pit): 10.90 ha Topsoil Preservation:0.15 ha Waste Dump: 0.0 ha Mineral Storage: 3.0 ha Infrastructure: 1.74 ha Roads: 3.3 ha Mineral Beneficiation Plant: 0.0 ha Township: 2.0 ha Others: 0.69 ha Total area put to use: 21.78 ha</p>	
3p	Production of ROM mineral during last five-years period, as applicable	<p>2019-20:1906840.000 tons 2020-21: 1912625.000 tons 2021-22: 1950181.350 tons 2022-23: 1960129.110 tons 2023-24: 1970129.360 tons</p>	<p>2019-20: Nil 2020-21: Nil 2021-22: 226040.200 tons 2022-23: 1285980.180 tons 2023-24: 1796886.780 tons</p>	
3q	General remarks of inspecting officer on method of	<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 acquisition of NINL by Tata Steel Ltd and transition period for deployment of MDO to operate the mine. However, a violation letter under rule 11(1) of MCDR 2017 has</p>		

	been issued vide dated 03.02.2025 to the lessee in this regard.
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Solid Waste Management-Dumping:

S. N.	Item	Proposals (FY 2023-24)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Proposal for top soil generation is nil. Separate dumping of OB & mineral reject has been proposed.	Separate dumping of topsoil, & mineral reject has been carried out. OB dump could not be carried out as per proposal.	
4b	Location of topsoil, OB & mineral reject dumps	Waste Dump: N 2418788 – N 2418616 E 327980 – E328138 Subgrade : N 2417793- N2417934 E 328086 - E 328133	Topsoil N 2417723 - N2417694 E 328180 - E328209 Subgrade : N 2418097 - N2418059 E 328217 – E 328228	Separate dumping of topsoil, & mineral reject has been carried out. OB dump could not be carried out as per proposal.
4c	Number of dumps within lease area and outside lease area	One	Nil	
4d	Location of dumps w.r.t. ultimate pit limit	Waste Dump: N 2418788 – N 2418616 E 327980 – E328138	Nil	
4e	Number of active & alive dumps	1	Nil	
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 250 mtr construction new Retaining wall and garland during the reporting year FY 2023-24.	Yes, about 384 mtr construction new Retaining wall and garland drain have been carried out during the reporting year FY 2023-24.	
4i	Length of Retaining wall or garland drain all along dump	Yes, proposal for about 250 mtr construction new Retaining wall and garland during the reporting year FY 2023-24.	Yes, about 384 mtr construction new Retaining wall and garland drain have been carried out during the reporting year FY 2023-24.	
4j	Number of settling ponds	03	03	

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 acquisition of NINL by Tata Steel Ltd and transition period for deployment of MDO to operate the mine. Further the lessee could not construct the proposed waste dump as per the proposal within the lease area during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 03.02.2025 to the lessee in this regard.
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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	Nil	Nil	Mine is not matured for backfilling during the reporting year.
5b	Area under backfilling of mined out area	Nil	Nil	Mine is not matured for backfilling 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.	As the mine is not mature enough for backfilling and there was no such proposal for backfilling during the reporting year, hence the management of waste under Backfilling is nil. The lessee has also carried out as per the proposal i.r.o. waste management under Backfilling.		

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	i. Nil ii. Nil	i. Nil ii. Nil	

	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	iii. Nil iv. Nil v. Nil vi. 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. Nil ii. Nil 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) 800 nos of saplings ii) 2023-24= 0.50 Ha. iii) Plantation with 90 % survival	i) 1278 nos of saplings during reporting year. ii) 2023-24= 0.70 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 1278 nos of saplings over 0.70 Ha. @ 90% of survival rate during the reporting year FY 2023-24. As the mine is not matured enough for backfilling during the reporting year and the PMCP proposals carried out by the lessee are more or less in order w.r.o. the proposals.		

Mineral Conservation:

S. N.	Item	Proposals	Actual work	Remarks
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		(FY2023-24)		
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/ 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/ sold out.	
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 and the generated mineral rejects i.e. 45 to 55% Fe are being blended with the saleable product and utilized/ sold out. 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.	Top 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 occurrences of very small amount of clay soil have been generated and same has been preserved over 0.15 ha area and shall be utilized for plantation purpose in future.	
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	Nil	Nil	No such proposal during the reporting year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	No such proposal during the reporting year.
8f	Baseline information on existence of plantation & additional plantation done	About 800 nos of saplings over 0.50 Ha. area were proposed to be planted @ with 90% survival rate.	About 1278 nos of saplings over 0.70 Ha. area were planted @ with 90% survival rate during reporting year within the lease area.	
8g	Survival rate	About 800 nos of saplings over 0.50 Ha. area were proposed to be planted @ with 90% survival rate.	About 1278 nos of saplings over 0.70 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	There was no such proposal for restoration and reclamation, as the mine is not matured enough for backfilling during the reporting year. The lessee has carried out plantation of 1278 nos of saplings over 0.70 Ha. @ 90% of survival rate during the reporting year FY 2023-24. 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: December 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 Mining Engineer, Geologist and Manager	1. Sri Pankaj Kumar - Mines Manager 2. Sri Pankaj Kumar – Mining Engineer 3. Sri Sudipta Das-Geologist were present during the inspection.	1. Sri Pankaj Kumar - Mines Manager 2. Sri Pankaj Kumar – Mining Engineer 3. Sri Sudipta Das-Geologist were present during the inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining (Pit): 10.90 ha Topsoil Preservation: 0.15 ha Waste Dump: 0.0 ha Mineral Storage: 3.0 ha Infrastructure: 1.74 ha Roads: 3.3 ha	Mining (Pit): 10.90 ha Topsoil Preservation: 0.15 ha Waste Dump: 0.0 ha Mineral Storage: 3.0 ha Infrastructure: 1.74 ha Roads: 3.3 ha	

		Mineral Beneficiation Plant: 0.0 ha Township: 2.0 ha Others: 0.69 ha Total area put to use: 21.78 ha	Mineral Beneficiation Plant: 0.0 ha Township: 2.0 ha Others: 0.69 ha Total area put to use: 21.78 ha	
9d	Scrutiny of Annual return on afforestation	About 1278 nos of saplings over 0.70 Ha. area were planted @ with 90% survival rate during reporting year within the lease area.	About 1278 nos of saplings over 0.70 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)	11970 tons of mineral reject of +45 to 55 % Fe were generated during FY 2023-24. However the same has been blended with high grade ores, upgraded and utilised.	11970 tons of mineral reject of +45 to 55 % Fe were generated during FY 2023-24. However the same has been blended with high grade ores, upgraded and utilised.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Iron Ore: Opening Stock: 500781.214 tons Production: 1796886.780 tons Closing Stock : 398599.671 tons	Iron Ore: Opening Stock: 500781.214 tons Production: 1796886.780 tons Closing Stock : 398599.671 tons	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production Rs. 2521.33/- furnished in submitted Annul Return for FY 2023-24.	Cost of production Rs. 2521.33/- furnished in submitted Annul Return for FY 2023-24.	
9i	Scrutiny of Annual return on fixed assets	Fixed Asset: Rs. 1739563230/-, furnished in the annual return of the reporting year.	Fixed Asset: Rs. 1739563230/-, furnished in the annual return of the reporting year.	
9k	Scrutiny of Annual return on mining machineries	ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast	ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast	

		BACK HOE 1.900 CUM 2 Non Electrical Opencast	BACK HOE 1.900 CUM 2 Non Electrical Opencast	
		BACK HOE 3.400 CUM 3 Non Electrical Opencast	BACK HOE 3.400 CUM 3 Non Electrical Opencast	
		BACK HOE 3.100 CUM 1 Non Electrical Opencast	BACK HOE 3.100 CUM 1 Non Electrical Opencast	
		BACK HOE 1.000 CUM 1 Non Electrical Opencast	BACK HOE 1.000 CUM 1 Non Electrical Opencast	
		BACK HOE 0.900 CUM 1 Non Electrical Opencast	BACK HOE 0.900 CUM 1 Non Electrical Opencast	
		OTHER HEM MACHINERY 268.000 1 Non Electrical Opencast	OTHER HEM MACHINERY 268.000 1 Non Electrical Opencast	
		DOZER 200.000 HP 1 Non Electrical Opencast	DOZER 200.000 HP 1 Non Electrical Opencast	
		DOZER 324.000 HP 1 Non Electrical Opencast	DOZER 324.000 HP 1 Non Electrical Opencast	
		FRONT END LOADER 2.700 CUM 2 Non Electrical Opencast	FRONT END LOADER 2.700 CUM 2 Non Electrical Opencast	
		MOTOR GRADER 140.000 HP 1 Non Electrical Opencast	MOTOR GRADER 140.000 HP 1 Non Electrical Opencast	
		DUMPER 35.000 TONNE 12 Non Electrical Opencast	DUMPER 35.000 TONNE 12 Non Electrical Opencast	
		CRANE 14.000 TONNE 1 Non Electrical Opencast	CRANE 14.000 TONNE 1 Non Electrical Opencast	
		WATER TANKER 12000.000 LITRE 2 Non Electrical Opencast	WATER TANKER 12000.000 LITRE 2 Non Electrical Opencast	
		GENERATOR (DIESEL) 520.000	GENERATOR (DIESEL) 520.000	

		KWH 4 Non Electrical Opencast	KWH 4 Non Electrical Opencast	
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