

MCDR-MIFLOFE/12/2022-BBS-IBM_RO_BBS
INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

I/4379/2023

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/KJR/MCDR-85/BBS

Mine code : 30ORI08124

- (i) Name of the Inspecting : **SKM1**) **SANJIB KUMAR MOHAPATRA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri Sadananda Rana (Agent), Sri Prasanta Ku. Mohanty
Official with
Designation
- (iv) Date of Inspection : 24/11/2022
- (v) Prev.inspection date : 11/05/2021

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ROIDA II IRON ORE BLOCK**
- (b) **Registration NO.** : **IBM/4329/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ORISSA
District : KEONJHAR
Village : TANTO
Taluka : 758035
Post office : BARBIL
Pin Code : 758035
FAX No. :
E-mail :
Phone : 033401184006
- (f) Police Station :
- (g) First opening date : 21/08/2020
- (h) Weekly day of rest : SUN
2. Address for : At-Roida, Tanto
correspondance PS_ BARBIL
DIST- KEONJHAR
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : IRON ORE Main

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5. Name and Address of the

Lessee : KHATAU NARBHERAM & CO.
KEONJHAR ORISSA
Phone:
FAX :

Manager

Name : Ramesh Chandra Rath
Qualification : B.E (Mining)
Appointment/ : 21/08/2020
Termination date

6. Date of approval of Mining :
Plan/Scheme of Mining

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	11 nos of bore holes proposed to be drilled during the reporting year 2021-22.	Nil	The lesee could not carried out the exploration work as per the proposal during the reporting year. A violation letter, vide dated 14/12/2022 has already been issued to the lessee for contravention of rule 11(1) of MCDR 2017.
1b	Exploration over lease area for geological axis 1 or 2	11 nos of bore holes proposed to be drilled during the reporting year 2021-22 to convert the lease area under G1 level of exploration.	Nil	The lesee could not carried out the exploration work as per the proposal during the reporting year. A violation letter, vide dated 14/12/2022 has already been issued to the lessee for contravention of rule 11(1) of MCDR 2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed.	Nil	The lesee could not carried out the exploration work as per the proposal during the reporting year. A violation letter, vide dated 14/12/2022 has already been issued to the lessee for contravention of rule 11(1) of MCDR 2017.

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1d	Balance area to be explored to bring Geological axis in 1 or 2	12.190 Ha.	Nil	The lessee could not carried out the exploration work as per the proposal during the reporting year. A violation letter, vide dated 14/12/2022 has already been issued to the lessee for contravention of rule 11(1) of MCDR 2017.
1e	Balance reserve as on 01/04/20	16577632 tons as on 01/04/2022.	17676953 tons as on 01/04/2022.	17676953 tons as on 01/04/2022.
1f	General remarks of inspecting officers on geology, exploration etc		11 nos of bore holes proposed to be drilled during the reporting year 2021-22 to convert the lease area under G1 level of exploration. However, the lessee could not carried out the exploration work as per the proposal during the reporting year. A violation letter, vide dated 14/12/2022 has already been issued to the lessee for contravention of rule 11(1) of MCDR 2017.	11 nos of bore holes proposed to be drilled during the reporting year 2021-22 to convert the lease area under G1 level of exploration. However, the lessee could not carried out the exploration work as per the proposal during the reporting year. A violation letter, vide dated 14/12/2022 has already been issued to the lessee for contravention of rule 11(1) of MCDR 2017.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Quarry-6 E331310- E330800/N24383 89-N2437989	Quarry-6 E331310- E330800/N2438389- N2437989	Quarry-6 E331310- E330800/N2438389- N2437989
		Quarry-2 E331540- E331740/N24379 45-N2437470	Quarry-2 E331540- E331740/N2437945- N2437470	Quarry-2 E331540- E331740/N2437945- N2437470
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil- Nil Q-6: Min-10, OB-9 Q-2: Min-6, OB-2	Top Soil- Nil Q-6: Min-10, OB-9 Q-2: Min-6, OB-2	Top Soil- Nil Q-6: Min-10, OB-9 Q-2: Min-6, OB-2
2c	Stripping ratio or ore to OB ratio	1:0.0605	1:0.0698	1:0.0698
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	211900 Cum	167550 Cum	167550 Cum
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The lessee has carried out the development within the proposed location, but could not execute as per the proposal and could not achieve the proposed production target and proposed generation of Ob during the reporting year. Aviolation letter vide dated 14/12/2022 has been issued to the lessee for contravention of rule 11(1) of MCDR 2017.	The lessee has carried out the development within the proposed location, but could not execute as per the proposal and could not achieve the proposed production target and proposed generation of Ob during the reporting year. Aviolation letter vide dated 14/12/2022 has been issued to the lessee for contravention of rule 11(1) of MCDR 2017.

Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	Two
3b	Quantity of ROM mineral production proposed	3499750 tonnes	2400428.560 tonnes	2400428.560 tonnes
3c	Recovery of sailable/usable mineral from ROM production	3499750 tonnes	2400428.560 tonnes	2400428.560 tonnes
3d	Quantity of mineral reject generation	575100 tonnes	369152 tonnes	369152 tonnes
3e	Grade of mineral rejects generation and threshold value declared.	Iron- +45% Fe	Iron- +45% Fe	Iron- +45% Fe
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Mechanised
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Yes, Jack Hammer 115 mm dia Drills. Blasting proposed with LD explosives of 25mm dia. & 83mm dia. with detonating cord & milli second delay detonators.	Yes, Jack Hammer 115 mm dia Drills. Blasting proposed with LD explosives of 25mm dia. & 83mm dia. with detonating cord & milli second delay detonators.	Yes, Jack Hammer 115 mm dia Drills. Blasting proposed with LD explosives of 25mm dia. & 83mm dia. with detonating cord & milli second delay detonators.

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3k	Provision of mining machineries in mineral benches	Yes, Shovel and Dumper combination proposed.	Yes, Shovel and Dumper combination carried out.	Yes, Shovel and Dumper combination carried out.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The height of the bench proposed is 6m.	The height of the bench is suitable for the method of mining proposed in review of mining plan.	The height of the bench is suitable for the method of mining proposed in review of mining plan.
3m	Total area covered under excavation/pits	Two quarries, 37.421 Ha	Two quarries, 36.669 Ha	Two quarries, 36.669 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.0605	1:0.0698	1:0.0698
3o	Total area put in use under different heads at the end of year	Area under Mining - 37.421 Ha. Overburden dump- 9.990 Ha. Reclamaid Area- 0.366 Ha. Miineral storage & Others- 10.871 Ha. Infrastructure (workshop, Admin.Building & Road) - 6.142 Ha.	Area under Mining - 36.669 Ha. Overburden dump- 9.990 Ha. Reclamaid Area- 0.141 Ha. Miineral storage & Others- 8.811 Ha. Infrastructure (workshop, Admin.Building & Road) - 6.142 Ha.	Area under Mining - 36.669 Ha. Overburden dump- 9.990 Ha. Reclamaid Area- 0.141 Ha. Miineral storage & Others- 8.811 Ha. Infrastructure (workshop, Admin.Building & Road) - 6.142 Ha.
3p	Production of ROM mineral during the last five year period as applicable	2020-21: 1710490.000, 2021-22: 3499750.000	2020-21: 1526679.190, 2021-22: 2400428.560	2020-21: 1526679.190, 2021-22: 2400428.560

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3q	General remarks of inspecting officers on method of mining etc.	The lessee has proposed for production for both iron ore quarries, but during the reporting year the lessee could not carried out ROM production of iron oreas per the proposed location. A violation letter vide dated 14/12/2022 has been issued to the lessee in this regard.	The lessee has proposed for production for both iron ore quarries, but during the reporting year the lessee could not carried out ROM production of iron oreas per the proposed location. A violation letter vide dated 14/12/2022 has been issued to the lessee in this regard.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate stacking of top soil, OB & mineral reject was proposed.	Separate stacking of OB & mineral reject was carried out and mineral reject were subsequently blended wth sale bale ore and sold out of a regular manner.	Separate stacking of OB & mineral reject was carried out and mineral reject were subsequently blended wth sale bale ore and sold out of a regular manner.
4b	Location of topsoil, OB and mineral reject dumps	OB Dump: E331826- E331906/N24378 40-N2438040	OB Dump: E331826- E331906/N2437840- N2438040	OB Dump: E331826- E331906/N2437840- N2438040
4c	Number of dumps within lease area and outside of lease area	One	One	One
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	One- Out side UPL	One- Out side UPL	One- Out side UPL
4e	Number of active and alive dumps.	One- Out side UPL	One- Out side UPL	One- Out side UPL
4f	Number of dead dumps.	Nil	Nil	Nil

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4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, Already exist.	Yes, Already exist.	Yes, Already exist.
4i	Length of Retaining wall or garland drain all along dumps	No proposal for the reporting year	250m of garland constructed during the reporting year.	250m of garland constructed during the reporting year.
4j	Number of settling ponds	7 Nos already exists.	7 Nos already exists.	7 Nos already exists.
4k	Specific comments of inspecting officer on waste dump management		Separate stacking of OB & mineral reject was carried out and mineral reject were subsequently blended with sale bale ore and sold out of a regular manner. OB dump was doe as per the proposed location and retaining wall and graland drains were already existing around the waste dump, further around 250m of garland drain has been constructed druing the reprting year.	Separate stacking of OB & mineral reject was carried out and mineral reject were subsequently blended with sale bale ore and sold out of a regular manner. OB dump was doe as per the proposed location and retaining wall and graland drains were already existing around the waste dump, further around 250m of garland drain has been constructed druing the reprting year.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	1.051 Ha.	1.051 Ha carried out durning the reporting year.	1.051 Ha carried out durning the reporting year.
5b	Area under backfilling of mined out area	1.051 Ha.	1.051 Ha carried out durning the reporting year.	1.051 Ha carried out durning the reporting year.

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5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Generation of top soil was nil during the reporting year.
5d	Total area fully reclaimed and rehabilitated	1.051 Ha.	1.051 Ha carried out during the reporting year.	1.051 Ha carried out during the reporting year.
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The lessee has carried out backfilling as per the proposal during the reporting year.	The lessee has carried out backfilling as per the proposal during the reporting year.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per Rule 26(2) Annual PMCP report to be submitted before 1st day of July of Every Year.	Submitted within the stipulated time period for the reporting year.	Submitted within the stipulated time period for the reporting year.
6b	Area available for rehabilitation (ha) .	0.630 Ha	Nil	could not carried out the rehabilitation work as per the proposal during the reporting year. A violation letter vide dated 14/12/2022 has been issued to the lessee for contravention of rule 11(1) of MCDR 2017.
6c	afforestation done (ha).	0.225 Ha	0.225 Ha	0.225 Ha
6d	No. of saplings planted during the year	500 nos of sapplings	2500 nos of sapplings	2500 nos of sapplings

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6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	0.630 Ha	Nil	The lessee could not carried out the rehabilitation work as per the proposal during the reporting year. A violation letter vide dated 14/12/2022 has been issued to the lessee for contravention of rule 11(1) of MCDR 2017.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.630 Ha	Nil	The lessee could not carried out the rehabilitation work as per the proposal during the reporting year. A violation letter vide dated 14/12/2022 has been issued to the lessee for contravention of rule 11(1) of MCDR 2017.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	500 nos of sapplings	2500 nos of sapplings	2500 nos of sapplings
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil

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6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1000 sapplings in gap plantation proposed	1000 sapplings in gap plantation carried out	1000 sapplings in gap plantation carried out
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil during the reporting year.	Nil during the reporting year.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	Plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	Air, Noise and Water quality monitoring will be done during the year within the lease area.	Air, Noise and Water quality monitoring carried out as per the proposal during the reporting year.	Air, Noise and Water quality monitoring carried out as per the proposal during the reporting year.

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6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The lessee has not carried out the back filling as per the proposal. A violation letter vide dated 14/12/2022 has been issued to the lessee for contravention of rule 11(1) of MCDR 2017. However, the lessee has carried out afforestation of 4500 nos of sapplings and environmental monitoring as per the proposal during the reporting year.	The lessee has not carried out the back filling as per the proposal. A violation letter vide dated 14/12/2022 has been issued to the lessee for contravention of rule 11(1) of MCDR 2017. However, the lessee has carried out afforestation of 4500 nos of sapplings and environmental monitoring as per the proposal during the reporting year.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe were proposed.	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe are being praticed.	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe are being praticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	Mechanical
7c	Different grade of mineral sorted out at mines.	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe were proposed.	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe are being praticed.	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe are being praticed.
7d	Any beneficiation process at mines .	Not proposed.	Not carried out.	Not carried out.

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe stocks are being practiced. Further no beneficiation process was proposed. Only crushing and screening is being carried out during the reporting year.	Saleable Ore:+58 % Fe, Mineral Reject:- +45 to 58% Fe stocks are being practiced. Further no beneficiation process was proposed. Only crushing and screening is being carried out during the reporting year.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	No generation of top soil during the reporting year.
8b	Concurrent use or storage of topsoil	Nil	Nil	No generation of top soil during the reporting year.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate stacking of OB, mineral reject & fines was proposed during the reporting year.	Separate stacking of OB, mineral reject & fines was carried out and mineral reject of iron ore were subsequently blended with sale bale ore and sold out of a regular manner.	Separate stacking of OB, mineral reject & fines was carried out and mineral reject of iron ore were subsequently blended with sale bale ore and sold out of a regular manner.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed over 0.630 Ha are of exhusted area.	Nil	Not carried out during the reporting year.

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed over 0.630 Ha are of exhusted area.	Nil	Not carried out during the reporting year.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 sapplings	2500 sapplings has been planted during the reporting year.	2500 sapplings has been planted during the reporting year.
8g	Survival rate	Not proposed	91%	91%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker over haul roads were proposed.	Water sprinkling by water tanker over haul roads has been carried out during the reporting year.	Water sprinkling by water tanker over haul roads has been carried out during the reporting year.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee has planted 2500 no of sapplings within the lease area and water sprinkling by water tanker over haul roads to control the airborne dust and to minimize the fugutive dust emmision. This sustains the asthetic beauty of the mine area.	Lessee has planted 2500 no of sapplings within the lease area and water sprinkling by water tanker over haul roads to control the airborne dust and to minimize the fugutive dust emmision. This sustains the asthetic beauty of the mine area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly returns and annual return for the reporting year have been submitted within the stipulated time period.	Monthly returns and annual return for the reporting year have been submitted within the stipulated time period.	Monthly returns and annual return for the reporting year have been submitted within the stipulated time period.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	1. Sri Prasanta Kumar Mohanty - Mines Manager 2. Sri Sanjay Samal- Mining Engineer 3. Sri Atanu Bandopadhyay - Geologist.	1. Sri Prasanta Kumar Mohanty - Mines Manager 2. Sri Sanjay Samal- Mining Engineer 3. Sri Atanu Bandopadhyay - Geologist. Mines manager, Mining engineer & Geologist were present during the inspection.	1. Sri Prasanta Kumar Mohanty - Mines Manager 2. Sri Sanjay Samal- Mining Engineer 3. Sri Atanu Bandopadhyay - Geologist. Mines manager, Mining engineer & Geologist were present during the inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining - 36.669 Ha. Overburden dump- 9.990 Ha. Reclamaid Area- 0.141 Ha. Miineral storage & Others- 8.811 Ha. Infrastructure (workshop, Admin.Building & Road) - 6.142 Ha.	Area under Mining - 36.669 Ha. Overburden dump- 9.990 Ha. Reclamaid Area- 0.141 Ha. Miineral storage & Others- 8.811 Ha. Infrastructure (workshop, Admin.Building & Road) - 6.142 Ha.	Area under Mining - 36.669 Ha. Overburden dump- 9.990 Ha. Reclamaid Area- 0.141 Ha. Miineral storage & Others- 8.811 Ha. Infrastructure (workshop, Admin.Building & Road) - 6.142 Ha.
9d	Scrutiny of Annual return on afforestation	7500 nos of sapplings with 91% of survival rate.	7500 nos of sapplings with 91% of survival rate.	7500 nos of sapplings with 91% of survival rate.

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	369152 tonnes	369152 tonnes	369152 tonnes
9f	Scrutiny of Annual return on ROM stock and/or graded ore	2400428.560 tonnes of ROM produced during the reporting year 2021-22.	2400428.560 tonnes of ROM produced during the reporting year 2021-22.	2400428.560 tonnes of ROM produced during the reporting year 2021-22.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production: Rs. 6047.74/-. Grade wise Ex mine price for lumps and fines of iron ore as furnished in Annual return has been scrutinised.	Cost of production: Rs. 6047.74/-. Grade wise Ex mine price for lumps and fines of iron ore as furnished in Annual return has been scrutinised.	Cost of production: Rs. 6047.74/-. Grade wise Ex mine price for lumps and fines of iron ore as furnished in Annual return has been scrutinised.
9h	Scrutiny of Annual return on fixed assets	Fixed Asset: Rs. Nil, as furnished in AR.	Fixed Asset: Rs. Nil, as furnished in AR.	Fixed Asset: Rs. Nil, as furnished in AR.

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9k	Scrutiny of Annual return on mining machineries	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify)	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify)	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify)
	SHOVEL (MECHANICAL) 3.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 1.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 1.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 0.900 CUM 11 Non Electrical SHOVEL (MECHANICAL) 0.700 CUM 2 Non Electrical SHOVEL (MECHANICAL) 0.700 CUM 2 Non Electrical FRONT END LOADER 1.500 CUM 4 Non Electrical FRONT END LOADER 2.500 CUM 5 Non Electrical BLAST HOLE DRILL 104.000 MM 2 Non Electrical AIR COMPRESSOR 200.000 CUM/MN 3 Non Electrical ROCK DRILL (NON-ELEC.) 1 Non Electr	SHOVEL (MECHANICAL) 3.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 1.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 1.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 0.900 CUM 11 Non Electrical SHOVEL (MECHANICAL) 0.700 CUM 2 Non Electrical FRONT END LOADER 1.500 CUM 4 Non Electrical FRONT END LOADER 2.500 CUM 5 Non Electrical BLAST HOLE DRILL 104.000 MM 2 Non Electrical AIR COMPRESSOR 200.000 CUM/MN 3 Non Electrical ROCK DRILL (NON-ELEC.) 1 Non Electr	SHOVEL (MECHANICAL) 3.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 1.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 1.800 CUM 2 Non Electrical SHOVEL (MECHANICAL) 0.900 CUM 11 Non Electrical SHOVEL (MECHANICAL) 0.700 CUM 2 Non Electrical FRONT END LOADER 1.500 CUM 4 Non Electrical FRONT END LOADER 2.500 CUM 5 Non Electrical BLAST HOLE DRILL 104.000 MM 2 Non Electrical AIR COMPRESSOR 200.000 CUM/MN 3 Non Electrical ROCK DRILL (NON-ELEC.) 1 Non Electr	

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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	14/12/2022			
MCDR17	Rule 33	14/12/2022			

Date :**(SANJIB KUMAR MOHAPATRA)**

Indian Bureau of Mines