

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/SNG/MCDR-5/BBS

Mine code : 30ORI13016

- (i) Name of the Inspecting : **U11**) **DAYANAND UPADHYAY**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri A. Sen, AVP (Geology)
Official with
Designation
- (iv) Date of Inspection : 28/12/2019
- (v) Prev.inspection date : 17/02/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ORAGHAT**
- (b) **Registration NO.** : **IBM/4585/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : ORGHAT
- Taluka : BONAI
- Post office : KOIRA
- Pin Code :
- FAX No. : 06767-275161
- E-mail : rungtas@rungtamines.com
- Phone : 06767-275221, 275481
- (f) Police Station : Koira
- (g) First opening date : 10/12/1986
- (h) Weekly day of rest : SAT
2. Address for : VILL: ORAGHAT AND SANINDPUR
correspondance PO: KOIRA
PIN: 770048
3. (a) Lease Number : ORI0146
- (b) Lease area : 82.92
- (c) Period of lease : 20
- (d) Date of Expiry : 09/12/2002
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : M/s Rungta Sons (P) Ltd
Rungta House P.O.
Chaisabasa SINGHBHUM
(WEST) JHARKHAND
Phone:(06582) 56861/56761
FAX :91 6582 56442

Owner : M D RUSTAGI, NOMINATED OWNER
RUNGTA OFFICE,MAIN ROAD,
BARBIL AT/PO- BARBIL,DIST-
KEONJHAR SUNDARGARH ORISSA
Phone:
FAX :

Agent : A. S. Mahapatra
Rungta office, Main Road
Barbil Disr-Keonjhar
KEONJHAR ORISSA
Phone: 06767-276441
FAX : 06767-275481

Mining Engineer

Name : AMITESH CHARAN,Full Time
Qualification : B.E MINING
Appointment/ : 10/05/2012
Termination date

Geologist

Name : H Biswal,Full Time
Qualification : M.Sc Geology
Appointment/ : 01/11/2015
Termination date

Manager

Name : A K CHOUDHURY
Qualification : B E MINING
Appointment/ : 25/05/2008
Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/10/2001
Plan/Scheme of Mining	:	Modif.approved Mining Scheme	15/02/2008
	:	Modif.approved Mining Scheme	17/08/2009
	:	Mining Scheme rule 12 MCDR1988	28/05/2010
	:	Renewal under rule 24 MCR1960	20/07/2012
	:	MP modif under MCR 1960	20/07/2012
	:	Modif.approved Mining Scheme	08/07/2015
	:	Modif.of approved Mining Plan	02/06/2016
	:	MP modif under 17(3) MCR 2016	28/12/2016
	:	MP review under 17(1) MCR 2016	10/10/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	14 nos. of bore holes for the years 2018-19.	Total 10 nos of bore holes have been drilled in 2018-19 and 04 nos. of bore holes drilled in 2019-20 of total meterage 545m.	Proposed 14 nos. of bore holes have been drilled by lessee.
1b	Exploration over lease area for geological axis 1 or 2	Within the G1/G2 level of already explored area.	Total lease area of 82.961ha has been explored under G1/G2 level of exploration.	Total lease area is explored under G1/G2 level of exploration. About 72.31 ha area is explored under G1 level and 10.651 ha area is under G2 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Exploration agency involved in drilling was Geotech India pvt ltd and expenditure incurred during drilling was Rs 17.54 lakhs.	Total lease area is explored under G1/G2 level of exploration.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Within the G1/G2 level of already explored area..	Total lease area of 82.961ha has been explored under G1/G2 level of exploration.	Total lease area is explored under G1/G2 level of exploration. About 72.31 ha area is explored under G1 level and 10.651 ha area is under G2 level.
1e	Balance reserve as on 01/04/20	As per approved Review of mining plan dated 10.10.2017, Reserve:- 35.18 million tonne and Resources 43.74 million tonne.	Balance reserve as on 01/04/2019, Reserve:- 29.346 million tonne and Resources 43.74 million tonne.	Balance reserve as on 01/04/2019, Reserve:- 29.346 million tonne and Resources 43.74 million tonne.

1f	General remarks of inspecting officers on geology, exploration etc	14 nos. of bore holes for the years 2018-19.	Total 10 nos of bore holes have been drilled in 2018-19 and 04 nos. of bore holes drilled in 2019-20 of total meterage 545m.	Total lease area is explored under G1/G2 level of exploration. About 72.31 ha area is explored under G1 level and 10.651 ha area is under G2 level.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Kusum pit, E160-E930 and S160-N480 Chattan Pit- E1150-E1320 and S180-N50 Kendu Pit, E1480-E1660 and S150-N100	The development is concentrated in Kusum pit and Kendu Pit within the approved proposal.	The Chattan Pit is not developed as proposed. The deviation is pointed out to lessee through violation letter.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore	Separate benches in OB and ore of 9m height have been maintained.	Separate benches in OB and ore of 9m height have been maintained.
2c	Stripping ratio or ore to OB ratio	1:0.0.15 T/cu.m	1:0.04 T/cu.m.	The OB generation is less as Chattan Pit is not developed as proposed. The deviation is pointed out to lessee through violation.
2d	Quantity of topsoil generation in m3	Not proposed.	Not applicable.	There is no top soil generation.
2e	Quantity of overburden generation in m3	517810 Cum	143959 Cum	The OB generation is less as Chattan Pit is not developed as proposed.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development proposed in Kusum pit, Chattan Pit and Kendu Pit, E1480-E1660 and S150-N100	The development is concentrated in Kusum pit and Kendu Pit within the approved proposal.	The Chattan Pit is not developed as proposed. The deviation is pointed out to lessee through violation letter.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Three pits	Working is concentrated in Kusum pit and Kendu Pit within the approved proposal.	The Chattan Pit is not developed as proposed. The deviation is pointed out to lessee through violation letter.
3b	Quantity of ROM mineral production proposed	3.5 MillionT insitu and 1.5 MillionT from dump re-handling.	ROM production reported in 2018-19 is 3.49 MillionT.	Proposed dump re-handling is not carried out due to poor demand of low grade ore. The deviation is pointed out to lessee through violation letter.
3c	Recovery of sailable/usable mineral from ROM production	3.15 MillionT	Total ROM production 3.49 MillionT is saleable after blending with low grade ore.	The Chattan Pit having low grade ore is not developed as proposed. The deviation is pointed out to lessee through violation letter.
3d	Quantity of mineral reject generation	0.35 MillionT	Mineral production reported in 2018-19 is Nil.	The Chattan Pit having low grade ore is not developed as proposed. The deviation is pointed out to lessee through violation letter.

3e	Grade of mineral rejects generation and threshold value declared.	+45% Fe to 55% Fe	Mineral production reported in 2018-19 is Nil.	The Chattan Pit having low grade ore is not developed as proposed. The deviation is pointed out to lessee through violation letter.
3f	Quantity of sub grade mineral generation.	0.35 MillionT	Mineral production reported in 2018-19 is Nil.	The Chattan Pit having low grade ore is not developed as proposed. The deviation is pointed out to lessee through violation letter.
3g	Grade of sub grade mineral generation	+45% Fe to 55% Fe	Mineral production reported in 2018-19 is Nil.	The Chattan Pit having low grade ore is not developed as proposed. The deviation is pointed out to lessee through violation letter.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Mechanised method is adopted.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed in 2018-19.	Only crushing and screening is being carried out at mines site.	The lessee has proposed 2x250TPH beneficiation plant which will be commissioned from 2019-20.
3j	Provision of drilling and blasting in mineral benches	DTH drilling of 110mm dia. Blast hole with emulsion/slurry explosive as coloumn charge and booster alongwith delay detonator.	Drilling and blasting is carried out with DTH drilling of 110mm dia. Blast hole with emulsion/slurry explosive as coloumn charge and booster alongwith delay detonator.	Deep holes drilling and blasting is practiced to winning out the ore and OB.

3k	Provision of mining machineries in mineral benches	Mobile Crushing & Screening-14, DTH Drill Machine-2, Hydraulic Excavator 2.5/1.1/2.1 cu.m-16, Dumper 35T-61, Loader 1.7 cu.m -14, Rock breaker-6, Dozer-02.	Machineries used at mine site are Mobile Crushing & Screening-13, DTH Drill Machine-1, Hydraulic Excavator 2.5/1.1/2.1 cu.m-15, Dumper 35T-25, Loader 1.7 cu.m -14, Rock breaker-6, Dozer-02.	Excavator, Loader and Dumper are equipped to winning out the mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height-9m	Bench height is suitably matched with the excavator.	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation/pits	57.919ha proposed during approved plan period.	About 52.419 ha area has been covered under excavation pits.	Total area covered under excavation is within the approved proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.0.15 T/cu.m	1:0.04 T/cu.m	The OB generation is less as Chattan Pit is not developed as proposed. The deviation is pointed out to lessee through violation.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pit-57.919 ha, waste dump-9.53ha, Infrastructure -0.879 ha, roads-1.89 ha, mineral storage-2.04 ha etc.	Area covered under different heads are Pit-56.312 ha, waste dump-9.53ha, Infrastructure & roads-2.99 ha, mineral storage-2.04 ha etc.	Area covered under different heads are Pit-56.312 ha, waste dump-9.53ha, Infrastructure & roads-2.99 ha, mineral storage-2.04 ha etc.

3p	Production of ROM mineral during the last five year period as applicable	2014-15:- 5.0 million T 2015-16:- 5.0 million T 2016-17:- 5.02 million T 2017-18:- 7.35 million T 2018-19:- 5.0 million T	2014-15:- 2100646.30T 2015-16:- 1559386.34T 2016-17:- 2084891.99T 2017-18:- 3007794.335T 2018-19:-3499981.630T	ROM Production is less due to want of environmental clearance.
3q	General remarks of inspecting officers on method of mining etc.	ROM production is proposed in three pits.	ROM production is concentrated in two pits i.e Kusum pit and Kendu Pit within the approved proposal.	The Chattan Pit is not developed as proposed. The deviation is pointed out to lessee through violation letter.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	OB/waste proposed to back-fill in Kendu Pit. Mineral reject SG-2, S220 to S350 & E1315 to E1420 and SG-3, E200 to S 270 & E1230 to 1295. No top soil generation proposed.	There are 03 nos. of OB dump and 02 nos. of mineral reject dumps exist in the lease area.	The waste generated during 2018-19 has been backfilled in exhausted part of Kendu Pit.
4b	Location of topsoil, OB and mineral reject dumps	OB/waste proposed to back-fill in Kendu Pit. Mineral reject SG-2, S220 to S350 & E1315 to E1420 and SG-3, E200 to S 270 & E1230 to 1295. No top soil generation proposed.	OB/waste has backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area. There is no generation mineral reject reported in 2018-19.	The OB/waste generated during mining has backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area.

4c	Number of dumps within lease area and outside of lease area	OB/waste proposed to back-fill in Kendu and 02 nos. of Mineral reject dump.	OB/waste has backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area. There is no generation mineral reject reported in 2018-19.	There are 03 nos. of OB dump and 02 nos. of mineral reject dumps exist in the lease area. The OB dumps lying within UPL has been proposed to re-handled.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OB/waste proposed to back-fill in Kendu Pit at the north-eastern side of lease area. Mineral reject SG-2, S220 to S350 & E1315 to E1420 and SG-3, E200 to S 270 E1230 to 1295.	OB/waste has backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area. There is no generation mineral reject reported in 2018-19.	There are 03 nos. of OB dump and 02 nos. of mineral reject dumps exist in the lease area. The 02 nos. OB dumps lying within UPL has been proposed to re-handle.
4e	Number of active and alive dumps.	OB proposed to backfill Mineral reject proposed to dump on SG-2 & SG-3.	OB/waste has backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area. There is no generation mineral reject reported in 2018-19.	There are 03 nos. of OB dump and 02 nos. of mineral reject dumps exist in the lease area.
4f	Number of dead dumps.	One dead dump	There is one dead dump.	The dead dump is stabilized by plantation.
4g	Number of dumps established.	One dead dump	There is one dead dump which is stabilized by plantation.	The dead dump is stabilized by plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	230 Retaining wall and 230m garland drain along backfill area.	Proposed Retaining wall and garland drain have not been constructed.	Deviation of Retaining wall and a garland drain have been pointed to lessee through violation letter. Retaining wall and garland drain have been constructed around waste dump.

4i	Length of Retaining wall or garland drain all along dumps	230 Retaining wall and 230m garland drain along backfill area.	Proposed Retaining wall and garland drain have not been constructed.	Deviation of Retaining wall and a garland drain have been pointed to lessee through violation letter. Retaining wall and garland drain have been constructed around waste dump.
4j	Number of settling ponds	01 nos. of settling ponds.	01 nos. of settling ponds.	Proposed settling ponds constructed by lessee.
4k	Specific comments of inspecting officer on waste dump management	OB/waste proposed to back-fill in Kendu Pit.	OB/waste generated in 2018-19 has been backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area.	The waste generated in 2018-19 has been backfilled in exhausted part of Kendu Pit.

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.	Proposed to back-fill part of exhausted Kendu Pit.	OB/waste generated in 2018-19 has been backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area.	The waste generated in 2018-19 has been backfilled in exhausted part of Kendu Pit.
5b	Area under backfilling of mined out area	2.15 ha.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil proposed.	There is no generation of top soil.	There is no generation of top soil.
5d	Total area fully reclaimed and rehabilitated	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not specified.	Annual return on PMCP has been submitted.	Annual return on PMCP has been submitted.
6b	Area available for rehabilitation (ha) .	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
6c	afforestation done (ha).	0.64 ha.	About 0.80 ha area covered under afforestation by 13900 nos of saplings.	Afforestation is carried out as per proposal.
6d	No. of saplings planted during the year	6000 nos saplings.	In 2018-19, 13900 nos. of saplings have been planted by lessee.	In 2018-19, 13900 nos. of saplings have been planted by lessee.
6e	Cumulative no .of plants	Not specified.	Cumulative nos. of saplings planted in the lease area is about 114858 no.	Cumulative nos. of saplings planted in the lease area is about 114858 no.
6f	Any other method of rehabilitation	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
6g	Cost incurred on watch and care during the year	Not specified.	Around Rs 7.72 lakh cost incurred on watch and care.	Around Rs 7.72 lakh cost incurred on watch and care.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	Nil.	There is no proposal of waste land.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Nil.	There is no proposal of waste land.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Nil.	There is no proposal of waste land.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring	Quarterly monitoring of air, water and noise level are being carried out.	Quarterly monitoring of air, water and noise level are being carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting	Gradewise sorting is being practiced.	Gradewise sorting is being practiced.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Mechanized method is practiced.	Mechanized method is practiced.
7c	Different grade of mineral sorted out at mines.	45% to 55% Fe and +55% Fe.	Different grades of minerals sorted out at mines are 45% to 55% Fe and +55% Fe.	Different grades of minerals sorted out at mines are 45% to 55% Fe and +55% Fe.
7d	Any beneficiation process at mines .	Not proposed in 2018-19.	Only crushing and screening is being carried out at mines site.	The lessee has proposed 2x250TPH beneficiation plant which will be commissioned from 2019-20.

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	: Gradewise sorting.	Different grades of minerals sorted out at mines are 45% to 55% Fe and +55% Fe.	The lessee has proposed 2x250TPH beneficiation plant which will be commissioned from 2019-20.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Nil.	No top top soil generation is proposed.
8b	Concurrent use or storage of topsoil	Not proposed.	Nil.	No top top soil generation is proposed.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB/waste proposed to back-fill in Kendu Pit. Mineral reject SG-2, S220 to S350 & E1315 to E1420 and SG-3, E200 to S 270 & E1230 to 1295. No top soil generation proposed.	There are 03 nos. of OB dump and 02 nos. of mineral reject dumps exist in the lease area.	The waste generated during 2018-19 has been backfilled in exhausted part of Kendu Pit.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB/waste proposed to back-fill in Kendu Pit.	OB/waste generated in 2018-19 has been backfilled in exhausted part of Kendu Pit at the north-eastern side of lease area.	The waste generated in 2018-19 has been backfilled in exhausted part of Kendu Pit.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling the 2.15 ha. area of Kendu Pit.	About 0.30 ha area has been backfilled in exhausted part of Kendu Pit.	The deviation of backfilling has been pointed out through violation letter.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	6000 nos saplings.	In 2018-19, 13900 nos. of saplings have been planted by lessee.	Cumulative nos. of saplings planted in the lease area is about 114858 no.
8g	Survival rate	Not specified.	As reported survival rate is 80%.	As reported survival rate is 80%.
8h	Water sprinkling on roads to control airborne dust	Mobile water sprinkler.	Mobile water sprinklers are used to control air borne dust.	Mobile water sprinklers are used to control air borne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	6000 nos saplings in 2018-19.	In 2018-19, 13900 nos. of saplings have been planted by lessee. Cumulative nos. of saplings planted in the lease area is about 114858 no.	Aesthetic beauty in and around mines area is maintained by plantation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly & Annual returns are being regularly submitted by lessee.	Monthly & Annual returns are being regularly submitted by lessee.	Monthly & Annual returns are being regularly submitted by lessee.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The employment status of mining engineer, geologist & mine manager have been furnished in the annual return submitted for the year 2018-19.	Mining engineer, geologist & mine managers were employed in the mine.	Mining engineer, geologist & mine managers were employed in the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under different heads are furnished in annual returns.	Area covered under different heads are furnished in annual returns.	Area covered under different heads are furnished in annual returns.
9d	Scrutiny of Annual return on afforestation	13900 nos. of saplings	13900 nos. of saplings have been planted by lessee.	13900 nos. of saplings have been planted by lessee.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	Nil.	Nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of different grade of iron ore, 55-58%Fe, 58-60%Fe, 60-62%Fe-, 62-65%Fe are maintained.	Closing stock of different grade of iron ore, 55-58%Fe, 58-60%Fe, 60-62%Fe-, 62-65%Fe are maintained.	Closing stock of different grade of iron ore, 55-58%Fe, 58-60%Fe, 60-62%Fe-, 62-65%Fe are maintained.
9h	Scrutiny of Annual return on fixed assets	Fixed asset as furnished in AR is Rs 167101230/-	Fixed asset as furnished in AR is Rs 167101230/-	Fixed asset as furnished in AR is Rs 167101230/-

9k	Scrutiny of Annual return on mining machineries	Machineries used at mine site are Mobile Crushing & Screening-13, DTH Drill Machine-1, Hydraulic Excavator 2.5/1.1/2.1 cu.m-15, Dumper 35T-25, Loader 1.7 cu.m -14, Rock breaker-6, Dozer-02.	Machineries used at mine site are Mobile Crushing & Screening-13, DTH Drill Machine-1, Hydraulic Excavator 2.5/1.1/2.1 cu.m-15, Dumper 35T-25, Loader 1.7 cu.m -14, Rock breaker-6, Dozer-02.	Machineries used at mine site are Mobile Crushing & Screening-13, DTH Drill Machine-1, Hydraulic Excavator 2.5/1.1/2.1 cu.m-15, Dumper 35T-25, Loader 1.7 cu.m -14, Rock breaker-6, Dozer-02.
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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

Date :

(DAYANAND UPADHYAY)

Indian Bureau of Mines