

**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. K. Chaudhary, GM(Mines), Shri S. Sen, AVP(Geo
Official with
Designation
- (iv) Date of Inspection : 12/09/2017
- (v) Prev.inspection date : 27/01/2016

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Backlog. 23 number of bore holes proposed in 2016-17.	In 2016-17 total 23 number of bore holes have been drilled by lessee.	In 2016-17 total 23 number of bore holes have been drilled by lessee against the approved proposal .
1b	Exploration over lease area for geological axis 1 or 2	To proof the depth continuity in G1 area.	In 2016-17 total 23 number of bore holes have been drilled by lessee. Exploration has been done to know the depth continuity of ore body in depth.	Almost all the lease area has been explored by lessee covering 72.31 ha. under G1 level and 10.651 ha. under G2 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	In 2016-17 total total cost incurred in drilling was Rs 2602286/-. Exploration agency involved in drilling was M/s Geotech India Pvt Ltd.	In 2016-17 total total cost incurred in drilling was Rs 2602286/-. Exploration agency involved in drilling was M/s Geotech India Pvt Ltd.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil.	In 2016-17 total 23 number of bore holes have been drilled by lessee to know the depth continuity of ore body in depth. Almost all the lease area has been explored by lessee covering 72.31 ha. under G1 level and 10.651 ha. under G2 level.	Almost all the lease area has been explored by lessee covering 72.31 ha. under G1 level and 10.651 ha. under G2 level.

1e	Balance reserve as on 01/04/20	Balance reserve as per modified mining plan approved on 01/02/2017, under 111 category was 37.44 MT of Iron ore and feasibility resources under (211) category was 7.383 MT.	Balance reserve as on 01/04/2017 under 111 category was 36.44 MT of Iron ore and feasibility resources under (211) category was 7.383 MT.	Balance reserve as on 01/04/2017 under 111 category was 36.44 MT of Iron ore and feasibility resources under (211) category was 7.383 MT.
1f	General remarks of inspecting officers on geology, exploration etc		In 2016-17 total 23 number of bore holes have been drilled by lessee. Exploration has been done to know the depth continuity of ore body in depth.	In 2016-17 total 23 number of bore holes have been drilled by lessee. Exploration has been done to know the depth continuity of ore body in depth. Almost all the lease area has been explored by lessee covering 72.31 ha. under G1 level and 10.651 ha. under G2 level.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Kusum pit-S100/N400 & E200/E1000, Chattan pit-S180/N50 & E1150/E16660, Kendu pit-S150/N100 & E1480/E1660.	Kusum pit-S160/N300 & E200/E1000, Kendu pit-S150/N50 & E1360/E1620.	Chattan pit has not been developed as per proposal. Deviation has been pointed out to the lessee through violation letter dated 17/11/2017.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore with 9m height. No top soil benches.	Kusum pit-02 benches in OB & 04 benches in ore, Chattan pit- 02 benches in OB & 01 benches in ore, Kendu pit- 02 benches in OB & 04 benches in ore.	Separate benches in OB and ore have been maintained.
2c	Stripping ratio or ore to OB ratio	1:0.11 T/cu.m	1:0.12 T/cu.m	Stripping ratio varies due to encounter of BHJ in ore zone.
2d	Quantity of topsoil generation in m3	Not proposed.	Not applicable.	No top soil benches have been proposed.
2e	Quantity of overburden generation in m3	592201.830 cu.m	263659.12 cu.m	Generation of waste is less due to production of ROM is mostly from bottom portion of quarry.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The whole mineralised area is fully explored and development is concentrated in two pits i.e Kusum pit & Kendu pit. Chattan pit has not been developed as per proposal.	The whole mineralised area is fully explored and development is concentrated in two pits i.e Kusum pit & Kendu pit. Chattan pit has not been developed as per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Kusum pit-S100/N400 & E200/E1000, Chattan pit-S180/N50 & E1150/E16660, Kendu pit-S150/N100 & E1480/E1660.	Kusum pit-S160/N300 & E200/E1000, Kendu pit-S150/N50 & E1360/E1620.	Chattan pit has not been developed as per proposal. Deviation has been pointed out to the lessee through violation letter dated 17/11/2017.
3b	Quantity of ROM mineral production proposed	5.021 million tonnes Iron ore.	In 2016-17, 2.08 million tonnes Iron ore has been produced.	ROM from pit is 2.017 million tonnes and from dump working is 0.067 million tonnes.

3c	Recovery of saleable 90% w.r.t total ROM.	Total ROM has been utilised by lessee for the year 2016-17.	Total ROM has been utilised by lessee for the year 2016-17.
3d	Quantity of mineral reject generation	0.40 million tonnes for the year 2016-17.	The mineral reject/sub grade generated during mining is blended with high grade.
3e	Grade of mineral rejects generation and threshold value declared.	45% to 55% Fe.	The sub grade generated during mining is blended with high grade.
3f	Quantity of sub grade mineral generation.	0.40 million tonnes for the year 2016-17.	The sub grade generated during mining is blended with high grade.
3g	Grade of sub grade mineral generation	45% to 55% Fe.	The sub grade generated during mining is blended with high grade.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Not applicable.
3j	Provision of drilling and blasting in mineral benches	DTH drilling of 110mm dia. Blast hole with emulsion/slurry charge and booster alongwith delay detonator.	DTH drilling of 110mm dia. Blast hole with emulsion/slurry charge and booster as base charge alongwith delay detonator is being practiced for drilling and blasting.

Depth of blasting-10m, Single or multi row blasting with controlled blasting technique is practiced.

3k	Provision of mining machineries in mineral benches	Drilling machine- 110 mm dia.-1, Excavator- 1.16/2.3 cu.m-18, Dumper30T-40, Dozer-2 etc.	DTH of 110mm dia. is used for drilling blast hole. Ore & OB are handled by excavator of 2.3 cu.m capacity with dumper of 30 T capacity. The machineries available on the site were Drilling machine- 110 mm dia.-1, Excavator- 1.16/2.3 cu.m-14, loader- 11Dumper30T-40, Dozer-2 etc.	Dozer is also used for road grading and two water sprinkler of 20KL and 12 KL capacity are used for water spraying.
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 loading excavator.	Bench height is suitably matched with the loading excavator.
3m	Total area covered under excavation/pits	57.919 ha during approved plan period.	About 56.312 ha. has been covered under excavation pits.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11 T/cu.m	1:0.12 T/cu.m	Stripping ratio varies due to encounter of BHJ in ore zone.
3o	Total area put in use under different heads at the end of year	Total 79.12 ha. area put in use under different heads during approved plan period. Area Proposed under different heads are Pit-57.919 ha, waste dump- 9.53 ha, Plant, residential & building, roads-2.99 ha & Mineral storage, plantation & others -8.775 ha.	Area covered under different heads are Pit-56.312 ha, waste dump-9.53 ha, Plant, residential & building, roads-2.99 ha & Mineral storage, plantation & others -8.775 ha.	Area covered under different heads are Pit-56.312 ha, waste dump- 9.53 ha, Plant, residential & building, roads- 2.99 ha & Mineral storage, plantation & others -8.775 ha.

3p	Production of ROM mineral during the last five year period as applicable	2012-13: 4760520T 2013-14: 3000000T 2014-15: 5000000T 2015-16: 5000000T 2016-17: 5021531T	2012-13: 695137.98T 2013-14: 15457.58T 2014-15: 2100646.3T 2015-16: 1559386.34T 2016-17: 2084891.99T	Against the approved proposal of Iron ore less production is carried out by lessee based upon demand & supply.
3q	General remarks of inspecting officers on method of mining etc.		The ROM production has been carried out from Kusum pit and Kendu pit. DTH drilling of 110mm dia. Blast hole with emulsion/ slurry explosive alongwith delay detonator is being practiced for drilling and blasting.	The ROM production has been carried out from Kusum pit and Kendu pit. DTH drilling of 110mm dia. Blast hole with emulsion/ slurry explosive alongwith delay detonator is being practiced for drilling and blasting.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dump for OB. Topsoil not proposed.	The OB generated for the period 2016-17 has been dumped on dump-3. The sub grade generated is blended with high grade ore.	The sub grade generated is blended with high grade ore.
4b	Location of topsoil, OB and mineral reject dumps	Dump-3, S220/S385 & E1400/E1570.	Dump-3, S220/S385 & E1400/E1570.	There is no top soil generation. Mineral reject generated during 2016-17 is not separately dumped and it has been blended with high grade ore.
4c	Number of dumps within lease area and outside of lease area	03 nos. of dump within lease area.	There are 03 dumps within lease area ie dump-1, dump-2 & dump-3.	There are 03 dumps within lease area ie dump-1, dump-2 & dump-3.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump-1- E960/E1510 & N30/N380, Dump-2- E970/E1145 & N60/S215, Dump-3- E1400/E1570 & S200/S385.	Dump-1- E960/E1510 & N30/N380, Dump-2- E970/E1145 & N60/S215, Dump-3- E1400/E1570 & S200/S385.	Existing Dump-3 is proposed for extension for the period 2016-17.
4e	Number of active and alive dumps.	03 nos. of dump within lease area.	There are 03 dumps within lease area ie dump-1, dump-2 & dump-3.	Existing Dump-3 is proposed for extension for the period 2016-17.
4f	Number of dead dumps.	Not proposed.	Not applicable.	
4g	Number of dumps established.	Not proposed.	Not applicable.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall of 486mX1.5mX1.0m and a garland drain of 306mX1.0mX1.0m were proposed along dump-3 and sub grade dump-2.	A retaining wall of 334mX1.5mX1.0m and a garland drain of 170mX1.0mX1.0m only have been prepared.	Retaining wall and Garland drain have not been fully completed as per approved proposal. Deviation has been pointed out to the lessee through violation letter dated 17/11/2017.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall of 486mX1.5mX1.0m and a garland drain of 306mX1.0mX1.0m were proposed along dump-3 and sub grade dump-2.	A retaining wall of 334mX1.5mX1.0m and a garland drain of 170mX1.0mX1.0m only have been prepared.	Retaining wall and Garland drain have not been fully completed as per approved proposal.
4j	Number of settling ponds	Not proposed.	Not applicable.	

4k	Specific comments of inspecting officer on waste dump management	To avoid the erosion and rain slides application of natural geotextiles such as coir matting in some part of waste dump has been undertaken. Slope of the dump has been stabilised by plantation.	To avoid the erosion and rain slides application of natural geotextiles such as coir matting in some part of waste dump has been undertaken. Slope of the dump has been stabilised by plantation.
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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.	Not proposed	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
5b	Area under backfilling of mined out area	Not proposed	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineralisation is continue and pit is not matured for reclamation.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not specified.	Annual return on PMCP for the year 2016-17 has been submitted to this office.	Annual return on PMCP for the year 2016-17 has been submitted to this office.
6b	Area available for rehabilitation (ha) .	Not proposed.	Nil.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.
6c	afforestation done (ha).	1.0 ha area for afforestation.	About 1.5 ha has been afforested in 2016-17.	About 1.5 ha has been afforested in 2016-17.
6d	No. of saplings planted during the year	1000 nos. of saplings for dump plantation and 2000 nos. of saplings for gap plantations.	Total 13940 nos. of saplings have planted by lessee for the year 2016-17.	Total 13940 nos. of saplings have planted by lessee for the year 2016-17.
6e	Cumulative no .of plants	Not specified.	So far total 88458nos. saplings have been planted by lessee .	So far total 88458nos. saplings have been planted by lessee .
6f	Any other method of rehabilitation	Not proposed.	Not applicable.	
6g	Cost incurred on watch and care during the year	Not specified.	About Rs 2.49 lakh has been incurred by lessee for afforestation and their care.	About Rs 2.49 lakh has been incurred by lessee for afforestation and their care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed.	Nil.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	Nil.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not proposed.	Nil.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	Nil.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed.	Nil.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	Nil.	Not applicable.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Nil.	Not applicable.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Nil.	Not applicable.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring.	Quarterly monitoring.	Quarterly monitoring is being peacticed.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	So far total 88458nos. saplings have been planted by lessee in 8.723 ha area. Quarterly monitoring of air data has been carried out by lessee.	So far total 88458nos. saplings have been planted by lessee in 8.723 ha area. Quarterly monitoring of air data has been carried out by lessee.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting.	Gradewise sorting.	Different grades of minerals sorted out at mines are 45% to 55% Fe and +55% Fe.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	Mechanised.	Gradewise sorting is being practiced by mechanised means.
7c	Different grade of mineral sorted out at mines.	45% to 55% Fe and +55% Fe.	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.	Nil.	Not applicable.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Cut off grade of iron ore for the mine is +55%. Different grades of minerals sorted out at mines are -65% Fe, 62 to 58% fe and 58 to 55% Fe. In 206-17, no sub grade has been reported by lessee.The sub grade generated during mining has blended with high grade.	Cut off grade of iron ore for the mine is +55%. Different grades of minerals sorted out at mines are - 65% Fe, 62 to 58% fe and 58 to 55% Fe. In 206-17, no sub grade has been reported by lessee.The sub grade generated during mining has blended with high grade.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Not applicable.	
8b	Concurrent use or storage of topsoil	Not proposed.	Not applicable.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden on the existing dump-3.	The OB generated for the period 2016-17 has been dumped on dump-3.	There is Separate dump for overburden and mineral rejects.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Not applicable.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000 nos. of saplings for dump plantation and 2000 nos. of saplings for gap plantations.	Total 13940 nos. of saplings have planted by lessee for the year 2016-17.	So far total 88458nos. saplings have been planted by lessee in about 8.723 ha area.
8g	Survival rate	Not specified.	As reported survival rate is 84%.	As reported survival rate is 84%.
8h	Water sprinkling on roads to control airborne dust	Truck mounted water sprinkler.	Water sprinklers of 20 & 12 KL capacityare utilised to control air borne dust.	Water sprinklers of 20 & 12 KL capacityare utilised to control air borne dust.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty is maintained by plantation. Total 13940 nos. of saplings have planted by lessee for the year 2016-17.	Total 13940 nos. of saplings have planted by lessee for the year 2016-17. So far total 88458nos. saplings have been planted by lessee in about 8.723 ha lease area to maintain the aesthetic beauty in and around mines area.
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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.	The annual return for the year 2016-17 has been submitted by lessee.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Graduate Mining Engineer-4, Geologist-2, Surveyor-1.	Graduate Mining Engineer-4, Geologist-2, Surveyor-1.	Graduate Mining Engineer-4, Geologist-2, Surveyor-1.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under different heads are Pit-56.312 ha, waste dump-9.53 ha, Plant, residential & building, roads-2.99 ha & Mineral storage, plantation & others -8.775 ha.	Area covered under different heads are Pit-56.312 ha, waste dump-9.53 ha, Plant, residential & building, roads-2.99 ha & Mineral storage, plantation & others -8.775 ha.	Area covered under different heads are Pit-56.312 ha, waste dump-9.53 ha, Plant, residential & building, roads-2.99 ha & Mineral storage, plantation & others -8.775 ha.

9d	Scrutiny of Annual return on afforestation	Total 13940 nos. of saplings have planted by lessee for the year 2016-17.	Total 13940 nos. of saplings have planted by lessee for the year 2016-17.	Total 13940 nos. of saplings have planted by lessee for the year 2016-17.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	The sub grade /mineral reject generated during 2016-17 is blended with high grade.	The sub grade /mineral reject generated during 2016-17 is blended with high grade.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock at mine head: Lump: Below 55%Fe; 3702.890 55% to 58% Fe: 68.590T 60% to 62% Fe: 7668.98T 62% to 65% Fe: 56019.83T Fines: 55% to 58% Fe: 129781.3T 62% to 65% Fe: 299327.185T 65% & above: 1705.662T	Closing stock at mine head: Lump: Below 55%Fe; 3702.890 55% to 58% Fe: 68.590T 60% to 62% Fe: 7668.98T 62% to 65% Fe: 56019.83T Fines: 55% to 58% Fe: 129781.3T 60% to 62% Fe: 2883.07T 62% to 65% Fe: 299327.185T 65% & above: 1705.662T	ROM stock has been maintained gradewise.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Lump: 55% to 58% Fe: Ex mine price Rs 800.00 58% to 60% Fe: Ex mine price Rs 961.02 60% to 62% Fe: Ex mine price Rs 1965.34 62% to 65% Fe: Ex mine price Rs 2226.91 Fines: 55% to 58% Fe: Ex mine price Rs 1557.56 60% to 62% Fe: Ex mine price Rs 932.51 62% to 65% Fe: Ex mine price Rs 1026.43	Lump: 55% to 58% Fe: Ex mine price Rs 800.00 58% to 60% Fe: Ex mine price Rs 961.02 60% to 62% Fe: Ex mine price Rs 1965.34 62% to 65% Fe: Ex mine price Rs 2226.91 Fines: 55% to 58% Fe: Ex mine price Rs 1557.56 60% to 62% Fe: Ex mine price Rs 932.51 62% to 65% Fe: Ex mine price Rs 1026.43	Ex mine price has been maintained gradewise.
9h	Scrutiny of Annual return on fixed assets	Fixed asset(Rs) : 155257740	As per AR 2016-17, Fixed asset(Rs) : 155257740	As per AR 2016-17, Fixed asset(Rs) : 155257740
9k	Scrutiny of Annual return on mining machineries	Shovel-14, Loader-11, Front end loader-12, Dumper-22, Water Tanker-04, Dozer-2, Crusher-3 etc	Shovel-14, Loader-11, Front end loader-12, Dumper-22, Water Tanker-04, Dozer-2, Crusher-3 etc .	Shovel-14, Loader-11, Front end loader-12, Dumper-22, Water Tanker-04, Dozer-2, Crusher-3 etc .

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)	22/09/2017	17/11/2017				

Date :

(DAYANAND UPADHYAY)

Indian Bureau of Mines