

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON-MN/SNG/MCDR-12/BBS

**Mine code :** 30ORI13012

- (i) Name of the Inspecting : **U11** ) **DAYANAND UPADHYAY**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri H.S. Biswal, Geologist & Shri N.R. Satpathy, Mine  
Official with  
Designation
- (iv) Date of Inspection : 14/07/2017
- (v) Prev.inspection date : 08/07/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NADIDIH**
- (b) **Registration NO.** : **IBM/4583?2011(WB)**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : NADIDIH
- Taluka : BONAI
- Post office : GUALI
- Pin Code :
- FAX No. : 06596-262101
- E-mail : rungtas@satyam.net.in
- Phone : 06596-276161
- (f) Police Station : KOIRA
- (g) First opening date : 10/10/1961
- (h) Weekly day of rest : SAT
2. Address for : AT/PO NADIDIH  
correspondance : DIST. SUNDERGARH, ORISSA  
PIN. 770048
3. (a) Lease Number : ORI0128
- (b) Lease area : 121.4
- (c) Period of lease : 20
- (d) Date of Expiry : 17/12/1999
4. Mineral worked : MANGANESE ORE Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : FEEGRADE &CO.(P)LTD.  
 AT/PO BARBIL CABLE- RUNGTA  
 KEONJHAR ORISSA  
 Phone:06767--30221  
 FAX :

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

Agent : SRI D.R.OJHA  
 M/S M.L.RUNGTA AND SONS  
 BARAJAMDA SILJORA  
 KALIMATIMINES SINGHBHUM  
 (WEST) JHARKHAND  
 Phone: 06596 - 62321, 62221  
 FAX : 06596-62101

## Mining Engineer

Name : K K PANDIT,Full Time  
 Qualification : AMIE ( MINING) DIGRE IN MINING ENGG.  
 Appointment/ : 16/05/2006  
 Termination date

## Geologist

Name : R K SHARMA,Full Time  
 Qualification : MSC GEOLOGY  
 Appointment/ : 12/07/2004  
 Termination date

## Manager

Name : SHRI R B PRADHAN  
 Qualification : B TECH MINING  
 Appointment/ : 08/05/2009  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	06/06/2007
Plan/Scheme of Mining	:	Modif.approved Mining Scheme	23/02/2010
	:	Mining Scheme rule 12 MCDR1988	03/03/2011
	:	Mining Scheme rule 12 MCDR1988	17/04/2013
	:	FMCP under 23C(1)	17/04/2015
	:	Modif.approved Mining Scheme	27/07/2015
	:	MP modif under MCR 1960	28/03/2016
	:	MP modif under 17(3) MCR 2016	30/12/2016

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	05 number of bore holes in 2015-16 and 10 number of bore holes in 2016-17.	In 2015-16, 13 number of bore holes and 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 proposal of 10 no. of bore holes.
1b	Exploration over lease area for geological axis 1 or 2	G1/G2 Level of exploration for the year 2016-17.	In 2015-16, 13 number of bore holes and in 2016-17 total 23 number of bore holes have been drilled by lessee. Total 101.7 ha area is explored under G1/G2 level through 268 no. of bore holes covering a total depth of 13691.9m	Almost all the mineralised area has been explored by lessee covering 88.87 ha. under G1 level and 12.83 ha. under G2 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed.	In 2016-17 total total cost incurred in drilling was Rs 5050455/-.	In 2016-17 total total cost incurred in drilling was Rs 5050455/-. Exploration agency involved in drilling was M/s Geovision Pvt Ltd.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed.	Almost all the mineralised area has been explored by lessee covering 88.87 ha. under G1 level and 12.83 ha. under G2 level.	Further total 26 no. of bore holes have been proposed in 2017-18 and 2018-19 within the already explored area to reach the complete depth of ore body.

1e	Balance reserve as on 01/04/20	Balance reserve as per Modified mining plan approved on 30.12.2016 was 28.02MT under proved (111) category and 2.328 MT was under feasibility resources (211) category.	Balance reserve as on 01/04/2017 under 111 category was 26.86 MT of Iron ore and feasibility resources under (211) category was 2.328 MT.	Total reserve & resources estimated as per Modified mining plan approved on 30.12.2016 was 30.35 MT.
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1f	General remarks of inspecting officers on geology, exploration etc			Almost all the mineralised area has been explored by lessee covering 88.87 ha. under G1 level and 12.83 ha. under G2 level. Further total 26 no. of bore holes have been proposed in 2017-18 and 2018-19 within the already explored area to reach the complete depth of ore body.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	D-pit (S-1082 to S-552 and W-1005 to W-544), N-pit (S-1756 to S-1102 and W-700 to W-116) and Mn pit, (S-400 to S-200 and W-800 to W-650).	The development is concentrated in D-pit (S-1066 to S-570 and W-1005 to W-544)and N-pit (S-1756 to S-1123 and W-700 to W-140) only.	Mn pit has not been developed as proposed.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore with 9m height.	D-pit: OB- 8 benches, ore- 4 benches N-pit: OB- 2 benches, ore- 5 benches	Separate benches in OB and ore have been maintained.
2c	Stripping ratio or ore to OB ratio	1:0.13	1:0.07	Average stripping ratio varies due to irregular nature of ore deposit .
2d	Quantity of topsoil generation in m3	Not proposed.	Not applicable.	The top soil wherever found is of negligible thickness and it is not extracted separately.
2e	Quantity of overburden generation in m3	896237 cu.m	In 2016-17, 164510.77 cu.m waste has been generated.	In 2016-17, 164510.77 cu.m waste has been generated. Less quantity of OB generated due to less development as proposed.
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 D-pit and N-pit only. Mn pit has not been developed as proposed.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	03 numer of pits i.e D-pit , N-pit and Mn pit.	Working is concentrated in mainly 02 pits, D-pit and N-pit.	Manganese pit has not been developed.

3b	Quantity of ROM mineral production proposed	3.5 million tonnes Iron ore and 3000T Mn ore.	In 2016-17, 2.54 million tonnes Iron ore has been produced.	Against the proposal less production of Iron ore is carried out based on market demand. No production of manganese ore has been reported.
3c	Recovery of saleable/usable mineral from ROM production	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	350000T in 2016-17.	No sub grade/mineral reject generation has been reported for the period 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high grade.	No sub grade/mineral reject generation has been reported for the period 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high grade.
3e	Grade of mineral rejects generation and threshold value declared.	-55% to +45% Fe.	No sub grade/mineral reject generation has been reported for the period 2016-17.	The sub grade/mineral reject generated during 2016-17 has been blended with high grade.
3f	Quantity of sub grade mineral generation.	350000T in 2016-17.	No sub grade/mineral reject generation has been reported for the period 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high grade.	No sub grade/mineral reject generation has been reported for the period 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high grade.

3g	Grade of sub grade mineral generation	-55% to +45% fe	No sub grade/mineral reject generation has been reported for the peroid 2016-17.	The sub grade/mineral reject generated during 2016-17 has been blended with high garde.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	No sub grade/mineral reject generation has been reported for the peroid 2016-17.	The sub grade/mineral reject generated during 2016-17 has been blended with high garde.
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/slurr y exlosive as coloumn 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- 9.5m Burden- 3.2m spacing- 4.2m.
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 machinaries 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.	Excavator of 1.16/2.3 cu.m capacity are used of loading the Dumper of 20T capacity.	Bench height is suitably matched with the loading excavator.

3m	Total area covered under excavation/pits	50.105 ha during approved plan period.	About 42.70 ha. has been covered under excavation pits.	Manganese pit has not been developed as per approved proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.13	1:0.07	
3o	Total area put in use under different heads at the end of year	Total 107.61 ha. area put in use under different heads during approved plan period.	Area covered under different heads are Pit-42.70 ha, waste dump-20.394 ha, Plant, residential & building, roads-12.301ha & Mineral storage, plantation & others -14.961 ha.	Area covered under different heads are Pit-42.70 ha, waste dump-20.394 ha, Plant, residential & building, roads-12.301ha & Mineral storage, plantation & others -14.961 ha.
3p	Production of ROM mineral during the last five year period as applicable	<p>Iron ore:</p> <p>2012-13: 3.6MT</p> <p>2013-14: 4.0MT</p> <p>2014-15: 4.5MT</p> <p>2015-16: 7.451MT</p> <p>2016-17: 4.50MT</p> <p>Manganese ore:</p> <p>2012-13: 3600T</p> <p>2013-14: 3040T</p> <p>2014-15: 3600T</p> <p>2015-16: 3600T</p> <p>2016-17: 3000T</p>	<p>Iron ore</p> <p>2012-13: 824731T</p> <p>2013-14: 2160060T</p> <p>2014-15: 312384T</p> <p>2015-16: 1665517T</p> <p>2016-17: 2543361T</p>	Against the approved proposal of Iron ore less production is carried out by lessee based upon demand & supply. No production has been reported for manganese ore.
3q	General remarks of inspecting officers on method of mining etc.			The ROM production has been carried out from D- pit and N-pit. DTH drilling of 110mm dia. Blast hole with emulsion/slurry explosive alongwith delay detonator is being practiced for drilling and blasting. No production has been reported for manganese ore.



Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for overburden on the northern extension of active dump-C.	Overburden is dumped on active dump-C on the northern extension.	There is no top soil generation.
4b	Location of topsoil, OB and mineral reject dumps	North and western extension of Dump-C between grid S290-S360 to W300- W650.	Overburden is dumped on active dump-C on the northern extension. The location of active dump-C is between grid S290- S360 to W300- W650.	There is no top soil generation. Mineral reject generated during 20167-17 is no separately dumped and it has been blended with high grade ore.
4c	Number of dumps within lease area and outside of lease area	Two dumps A, B and dump-C within lease area.	There is two main dump i,e dump A, B and dump-C lies within the lease area. The location of active dump-C is between grid S290-S360 to W300- W650.	There is no dump in outside lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OB Dump-C on northern and western extension.	The location of dump-C is between grid S270- S754 to W234- W710.	Dump not falls under ultimate pit limit.
4e	Number of active and alive dumps.	Single OB Dump-C on northern and western extension.	Single OB Dump-C on northern and western extension.	
4f	Number of dead dumps.	Not Proposed.	There is one dead dump A-B.	The slope of the dead dump is stabilized by coir mating with plantation.
4g	Number of dumps established.	Not proposed.	There is one dead dump A-B.	The slope of the dead dump is stabilized by coir mating with plantation.

4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall of 903mX1.5mX1.0m and a garland drain of 903mX1.5mX1.0m around dump-C in north and western extension	About 50% of Retaining wall and garland drain as proposed around dump-C in north and western extension has been completed.	About 50% of Retaining wall and garland drain as proposed around dump-C in north and western extension has been completed.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall of 903mX1.5mX1.0m and a garland drain of 903mX1.5mX1.0m around dump-C in north and western extension.	About 450mX1.5mX1.0m Retaining wall and garland drain as proposed around dump-C in north and western extension has been completed.	About 450mX1.5mX1.0m Retaining wall and garland drain as proposed around dump-C in north and western extension has been completed.
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 has been undertaken. Slope of the dead dump has been stabilised by plantation.

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#### Solid Waste Management - Backfilling:

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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.	Pit is not matured for reclamation.	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 backfilling.

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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
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not spcefied.	Annual return on PMCP has been submitted.	Annual return on PMCP has been submitted to this office.
6b	Area available for rehabilitation (ha) .	Not proposed.	Not applicable.	Area not matured for reclamation & rehabilitation.
6c	afforestation done (ha).	2.0 ha.	Total area cover under afforestation is about 2.0 ha.	Total area cover under afforestation is about 2.0 ha.
6d	No. of saplings planted during the year	8000 saplings.	In 2016-17, total 18000nos. of saplings have been planted by lessee.	In 2016-17, total 18000nos. of saplings have been planted by lessee.
6e	Cumulative no .of plants		Cumulative nos. of saplings planted in the lease area is about 175048.	Cumulative nos. of saplings planted in the lease area is about 175048.
6f	Any other method of rehabilitation	Not proposed.	Not applicable.	

6g	Cost incurred on watch and care during the year		Around Rs 3.5 lakh cost incurred on watch and care of green belt in 2016-17.	Around Rs 3.5 lakh cost incurred on watch and care of green belt in 2016-17.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed.	Not applicable.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	Not applicable.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed.	Not applicable.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	Not applicable.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed.	Not applicable.	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	Not applicable.	

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Not applicable.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Not applicable.	
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.			Area has not been matured for reclamation & rehabilitation and afforestation has been carried out along slope of waste dump & safety zone. Regular data of quarterly monitoring of air, water and noise level has been submitted to this office .

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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.	ROM produced from the mine sorted out gradewise of +55% Fe.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised for iron ore and manual for manganese ore.	Mechanised method is adopted for gradewise sorting of iron ore.	Mechanised method is adopted for gradewise sorting of iron ore. No production has been reported for manganese ore.
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.	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. There are 09 nos. of low grade/subgrade mixed ore stacks alongwith two old dump A-B & C. The total quantity of sub grade of all stacks/dumps is about 19.388 million tonnes.

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**Environment:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Not applicable.	The top soil wherever found is of negligible thickness and it is not extracted separately.
8b	Concurrent use or storage of topsoil	Not proposed.	Not applicable.	The top soil wherever found is of negligible thickness and it is not extracted separately.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden on the northern extension area of dump-C.	There is Separate dump for overburden and mineral rejects. Overburden is dumped on active dump-C on the northern extension. The location of active dump-C is between grid S290-S360 to W300- W650.	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.	Area is not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposed along the slope of waste dump & safety zone.	Total 18000 nos. saplings have been planted in 2016-17.	As reported cumulative no. of trees planted by lessee is about 175048 nos.
8g	Survival rate		As reported survival rate is 90%.	

8h	Water sprinkling on roads to control airborne dust	Two water sprinkler	Two water sprinklers are utilised to control air borne dust.	Two water sprinkler of 20 & 12 KL capacity are used for water spraying.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mined area is maintained. In 2016-17, total 18000 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 175048 nos.

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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-3, Diploma mining Engineer-2, Geologist-1	Graduate Mining Engineer-3, Diploma mining Engineer-2, Geologist-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-42.70 ha, waste dump-20.394 ha, Plant, residential & building, roads-12.301ha & Mineral storage, plantation & others -14.961 ha.	Area covered under different heads are Pit-42.70 ha, waste dump-20.394 ha, Plant, residential & building, roads-12.301ha & Mineral storage, plantation & others -14.961 ha.
9d	Scrutiny of Annual return on afforestation	Total 18000 nos. saplings have been planted in 2016-17.	Total 18000 nos. saplings have been planted in 2016-17.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral reject- Nil	In 2016-17, sub generated has been blended with high grade ore.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock at mine head: Lump: 55% to 58% Fe: 22.390T 58% to 60% Fe: 1569.87T 60% to 62% Fe: 20920.330T 62% to 65% Fe: 104711.348T Fines: Below 55% Fe: 25330.0T 55% to 58% Fe: 759115.8T 58% to 60% Fe: 562287.86T 60% to 62% Fe: 667615.37T 62% to 65% Fe: 194549.88T 65% & above: 1705.662T	Closing stock at mine head: Lump: 55% to 58% Fe: 22.390T 58% to 60% Fe: 1569.87T 60% to 62% Fe: 20920.330T 62% to 65% Fe: 104711.348T Fines: Below 55% Fe: 25330.0T 55% to 58% Fe: 759115.8T 58% to 60% Fe: 562287.86T 60% to 62% Fe: 667615.37T 62% to 65% Fe: 194549.88T 65% & above: 1705.662T

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Lump: 58% to 60% Fe: Ex mine price Rs 1551.64 60% to 62% Fe: Ex mine price Rs 1516.52 62% to 65% Fe: Ex mine price Rs 2273.08 Fines: 55% to 58% Fe: Ex mine price Rs 1279.07 58% to 60% Fe: Ex mine price Rs 1086.4 60% to 62% Fe: Ex mine price Rs 574.04 62% to 65% Fe: Ex mine price Rs 999.12	Lump: 58% to 60% Fe: Ex mine price Rs 1551.64 60% to 62% Fe: Ex mine price Rs 1516.52 62% to 65% Fe: Ex mine price Rs 2273.08 Fines: 55% to 58% Fe: Ex mine price Rs 1279.07 58% to 60% Fe: Ex mine price Rs 1086.4 60% to 62% Fe: Ex mine price Rs 574.04 62% to 65% Fe: Ex mine price Rs 999.12
9h	Scrutiny of Annual return on fixed assets	Fixed asset(Rs in thousand) : 199809.24	As per AR 2016-17, Fixed asset(Rs in thousand) : 199809.24
9k	Scrutiny of Annual return on mining machineries	Excavator-14, Loader-11, Dumper-38, Water Tanker-04, Dozer-2 etc .	Excavator-14, Loader-11, Dumper-38, Water Tanker-04, Dozer-2 etc .

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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)	21/07/2017			

**Date :**

(DAYANAND UPADHYAY)

Indian Bureau of Mines