

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/SNG/MCDR-16/BBS

Mine code : 30ORI13017

- (i) Name of the Inspecting : **U11**) **DAYANAND UPADHYAY**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Chaturbhuja Sahoo, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 09/01/2018
- (v) Prev.inspection date : 07/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PATABEDA**
- (b) **Registration NO.** : **IBM/247/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : PATABEDA
- Taluka : BONAI
- Post office : PATAMUNDA
- Pin Code :
- FAX No. : 06767-275770
- E-mail : rlmbsr@mail.com
- Phone : 06767-275318,275620
- (f) Police Station : Koira
- (g) First opening date : 24/06/1986
- (h) Weekly day of rest : MON
2. Address for : PATABEDA IRON & MANGANESE MINE C/O.M.G.MOHANTY
correspondance VILL.PATABEDA, PATMUNDA,SUNDARGARH,ORISSA.
770048
3. (a) Lease Number : ORI0133
- (b) Lease area : 19.42
- (c) Period of lease : 50
- (d) Date of Expiry : 02/04/2036
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : M/S.M.G.MOHANTY
 R.L.MOHANTY, MANAGING PAR
 AT/PO.BARBIL,KEONJHAR,
 ORISSA.-758035 KEONJHAR
 ORISSA
 Phone:06767-75318
 FAX :06767-75770

Owner : SRI.R.L.MOHANTY
 AT/PO.BARBIL,KEONJHAR
 ORISSA.758035 KEONJHAR
 ORISSA
 Phone: 06767-75318
 FAX : 06767-75770

Agent : A. K. Mishra
 At- Patabeda Post- malda
 DIST- SUNDARGARH KEONJHAR
 ORISSA
 Phone: 7440015237
 FAX : 06767-243145

Geologist

Name : D.K.PATTANAIAK,Part Time
 Qualification : MSC.GEOLOGY
 Appointment/ : 01/07/2006
 Termination date

Manager

Name : AMIT KUMAR MISHRA
 Qualification : MSC APPLIED GEOLOGY,M TECH IN O/C MINING
 Appointment/ : 14/05/2003
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	18/07/2000
Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	08/11/2002
	:	Renewal under rule 24 MCR1960	05/07/2005
	:	Modif.of approved Mining Plan	13/11/2009
	:	Mining Scheme rule 12 MCDR1988	01/04/2011
	:	Modif.approved Mining Scheme	28/05/2014
	:	Mining Scheme rule 12 MCDR1988	11/03/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	03 number of bore holes in 2016-17.	In 2016-17 total 15 number of bore holes have been drilled by lessee.	There is no baclog of previous year.
1b	Exploration over lease area for geological axis 1 or 2	Within G1 axis.	In 2016-17 total 15 number of bore holes have been drilled by lessee in grid interval 50mX50m of total meterage 364m.	In 2016-17 total 15 number of bore holes have been drilled by lessee in grid interval 50mX50m of total meterage 364m.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil. Bore holes proposed to prove the depth continuity.	Total 15.522 ha. area has been drilled by lessee by 57 nos. of bore holes of total meterage of 1400.6m. In 2016-17 total 15 number of bore holes have been drilled by lessee in grid interval 50mX50m of total meterage 364m.	Total 15.522 ha. area has been drilled by lessee by 57 nos. of bore holes of total meterage of 1400.6m.
1e	Balance reserve as on 01/04/20	Reserve as per scheme of mining approved on 11.03.2016, 4.785MT under 111 category and 1.056 MT under 211 category.	Balance reserve as on 01/04/2017 under 111 category is 4.64 MT of Iron ore and feasibility resources under (211) category is 1.056 MT.	Balance reserve as on 01/04/2017 under 111 category is 4.64 MT of Iron ore and feasibility resources under (211) category is 1.056 MT.
1f	General remarks of inspecting officers on geology, exploration etc		Almost all the mineralised area has been explored by lessee covering 15.522 ha. under G1 level. Total 57 nos. of bore holes of total meterage of 1400.6m has been drilled by lessee.	Almost all the mineralised area has been explored by lessee covering 15.522 ha. under G1 level. Total 57 nos. of bore holes of total meterage of 1400.6m has been drilled by lessee.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Single pit between co-ordinate N 2426085-2426377 and E 331931-332156.	development is concentrated in single pit between co-ordinate N 2426085-2426377 and E 331931-332156.	Development carried out by lessee is as per proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore with 6m height. Top soil bench not proposed.	Separate benches in OB and ore of 6m height have been maintained.	No top soil benches have been proposed.
2c	Stripping ratio or ore to OB ratio	1:0.034 T/cu.m.	1:0.002 T/ cu.m	There is no OB bench in the proposed working pit. Only intercaletted waste has been proposed during mining which is varries as per change in thickness of ore body.
2d	Quantity of topsoil generation in m3	Proposal not furnished in sheme of mining.	Nil.	There is no top soil generation proposed in approved scheme of mining.
2e	Quantity of overburden generation in m3	3344 cu.m	315 cu.m	There is no OB bench in the proposed working pit. Only intercaletted waste has been proposed during mining which is varries as per change in thickness of ore body.
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 single pit. The bench height is maintained 6m and bench width 10m according to proposal.	The development carried out by lessee is as per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit between co-ordinate N 2426085-2426377 and E 331931-332156.	Working is concentrated in single pit between co-ordinate N 2426085-2426377 and E 331931-332156.	Working is concentrated in single pit .
3b	Quantity of ROM mineral production proposed	194317T	144000T	ROM production of iron ore is fluctuating as per market demand.
3c	Recovery of sailable/usable mineral from ROM production	Saleable ore 85% 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	15470T	No sub grade/mineral reject generation has been reported for the peroid 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high garde.	Total ROM production has been utilised by lessee after bending for the year 2016-17.
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 peroid 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high garde.	No sub grade/mineral reject generation has been reported for the peroid 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high garde.
3f	Quantity of sub grade mineral generation.	15470T	No sub grade/mineral reject generation has been reported for the peroid 2016-17. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high garde.	No sub grade/mineral reject generation has been reported for the peroid 2016-17.

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. About 10% sub grade/mineral reject of ROM production as proposed in modified mining plan has been blended with high garde.	No sub grade/mineral reject generation has been reported for the peroid 2016-17.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	Mechanised segregation of different grade (55% to 65% Fe) of ROM is being practiced.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Proposal nor furnished in approved scheme of mining.	Nil.	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- 6.6m Burden- 2.5m spacing- 3.0m.
3k	Provision of mining machineries in mineral benches	Drilling machine- 110 mm dia.-1, Excavator- 1.7/2.1 cu.m- 9, Tipper 10T- 10, Screen plant-1 etc.	DTH of 110mm dia. is used for drilling blast hole. Ore & OB are handled by excavator of 2.1 cu.m capacity with Tipper of 10 T capacity. The machinaries available on the site were Drilling machine- 110 mm dia.-1, Excavator- 1.16/2.3 cu.m-09 Tipper 10T-6, Crusher-1.	Two water sprinkler of 9 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 6m.	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	7.271 ha during approved plan period.	About 6.30 ha. has been covered under excavation pits.	About 6.30 ha. has been covered under excavation pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.034 T/cu.m.	1:0.002 T/ cu.m	There is no OB bench in the proposed working pit. Only intercaletted waste has been proposed during mining which is varries as per change in thickness of ore body.
3o	Total area put in use under different heads at the end of year	Area proposed under different heads are Pit-7.271 ha, waste dump-1.132 ha, Infrasructure-0.993ha, roads-1.865ha & Mineral separation plant -1.734 ha.	Area covered under different heads are Pit-6.3 ha, waste dump-0.815 ha, Infrasructure & roads-8.519ha & others -1.290 ha.	Area covered under different heads are Pit-6.3 ha, waste dump-0.815 ha, Infrasructure & roads-8.519ha & others -1.290 ha.
3p	Production of ROM mineral during the last five year period as applicable	2012-13: 180222T 2013-14: 143761T 2014-15: 173043T 2015-16: 183544T 2016-17: 194317T	2012-13: 83327T 2013-14: 117100T 2014-15: 117150T 2015-16: 124410T 2016-17: 144000T	ROM production of iron ore is fluctuating as per market demand.

3q	General remarks of inspecting officers on method of mining etc.	The ROM production has been carried out from single 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 single pit. DTH drilling of 110mm dia. Blast hole with emulsion/ slurry explosive alongwith delay detonator is being practiced for drilling and blasting.
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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 dumping for waste and mineral reject. No top soil generation proposed.	Separate dumping of waste is being carried out on dump-4 near pillar H and I.	No top soil generation proposed. Sub grade /mineral reject generated for the year 2016-17 is being utilised after blending with high grade.
4b	Location of topsoil, OB and mineral reject dumps	Dump-4, near pillar H and I. Top soil not proposed.	Waste has been bumped on dump-4 near pillar H and I between N2426344-2426372 & E332155-332191.	No top soil generation proposed. Sub grade /mineral reject generated for the year 2016-17 is being utilised after blending with high grade.
4c	Number of dumps within lease area and outside of lease area	Dump-4, near pillar H and I.	There are 02 dump of OB dump-3 (N2426006-2426087 & E331948-332040) and dump-4 (N2426344-2426372 & E332155-332191) and 02 dump of sub grade/mineral reject i.e dump-1 (N2426203-2426376) and dump-2 (N2425900-2425984 & E331948-332040).	Presentally dump-4 is active dump.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump-4, near pillar H and I (N2426344-2426372 & E332155-332191).	There are 02 dump of OB dump-3 (N2426006-2426087 & E331948-332040) and dump-4 (N2426344-2426372 & E332155-332191) and 02 dump of sub grade/mineral reject i.e dump-1 (N2426203-2426376) and dump-2 (N2425900-2425984 & E331948-332040).	Presentally dump-4 is active dump.
4e	Number of active and alive dumps.	Dump-4, near pillar H and I (N2426344-2426372 & E332155-332191).	Presentally dump-4 is active dump.	Presentally dump-4 is active dump.
4f	Number of dead dumps.	Proposal not furnished.	Dump-3 (N2426006-2426087 & E331948-332040) is dead dump which is fully rehabilitated by plantation.	Dead dump-3 is fully rehabilitated by plantation.
4g	Number of dumps established.	Proposal not furnished.	Dump-3 (N2426006-2426087 & E331948-332040) is dead dump which is fully rehabilitated by plantation.	Dead dump-3 is fully rehabilitated by plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall of 44mX1.0mX1.5m and a garland drain of 44mX1.0mX1.0m around dump.	Retaining wall of 44mX1.0mX1.5m and a garland drain of 44mX1.0mX1.0m around dump have been made by lessee.	Retaining wall of 44mX1.0mX1.5m and a garland drain of 44mX1.0mX1.0m around dump have been made by lessee.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall of 44mX1.0mX1.5m and a garland drain of 44mX1.0mX1.0m around dump.	Retaining wall of 44mX1.0mX1.5m and a garland drain of 44mX1.0mX1.0m around dump have been made by lessee.	Retaining wall of 44mX1.0mX1.5m and a garland drain of 44mX1.0mX1.0m around dump have been made by lessee.
4j	Number of settling ponds	One settling tank .	One settling tank of size 11mX7mX3m has been made by lessee.	One settling tank of size 11mX7mX3m has been made by lessee.

4k	Specific comments of inspecting officer on waste dump management	Dead dump-3 has been rehabilitated by plantation. Slope of the active dump has been stabilised by plantation. Retaining wall and garland drain have been made by lessee around the dumps.	Dead dump-3 has been rehabilitated by plantation. Slope of the active dump has been stabilised by plantation. Retaining wall and garland drain have been made by lessee around the dumps.
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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.	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.	Pit is not matured for reclamation.	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.	Pit is not matured for reclamation	Mineralisation is continue and pit is not matured for reclamation.
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Pit is not matured for reclamation	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.	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 has been submitted.	Annual return on PMCP has been submitted.
6b	Area available for rehabilitation (ha) .	Not proposed.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.	Mineralisation is continue and pit is not matured for reclamation and rehabilitation.
6c	afforestation done (ha).	0.1 ha.	Area cover under afforestation is about 0.1 ha for the year 2016-17.	Area cover under afforestation is about 0.1 ha for the year 2016-17.
6d	No. of saplings planted during the year	100 nos. of saplings	In 2016-17, total 213 nos. of saplings have been planted by lessee.	In 2016-17, total 213 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 18180 nos.	Cumulative nos. of saplings planted in the lease area is about 18180 nos.
6f	Any other method of rehabilitation	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
6g	Cost incurred on watch and care during the year	Not specified.	Around Rs 2.69 lakh cost incurred on watch and care of green belt in 2016-17.	Around Rs 2.69 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.	Mineralisation is continue and pit is not matured for reclamation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
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 .	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 of +45 Fe to 65% Fe is being practiced.	Gradewise sorting is being practiced.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	Different grades of minerals sorted out at mines by mechanised means.	Different grades of minerals sorted out at mines are 45% to 55% Fe and +55% Fe.
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 .	Proposal not furnished in scheme of mining.	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.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal not furnished in scheme of mining.	Nil.	Top soil not proposed in scheme of mining.
8b	Concurrent use or storage of topsoil	Proposal not furnished in scheme of mining.	Nil.	Top soil not proposed in scheme of mining.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping for waste and mineral reject. No top soil generation proposed.	Separate dumping of waste is being carried out on dump-4 near pillar H and I.	No top soil generation proposed. Sub grade /mineral reject generated for the year 2016-17 is being utilised after blending with high grade.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.

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)	100 nos. of saplings.	Total 213 nos. saplings have been planted in 2016-17.	As reported cumulative no. of trees planted by lessee is about 18180nos.
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	Two water sprinkler.	Two water sprinkler are used to control air borne dust.	Water sprinklers of 09 KL capacity are used to control air borne dust.
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 213 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 18180 nos.	Aesthetic beauty in and around mined area is maintained. In 2016-17, total 213 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 18180 nos.

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	Graduate Mining Engineer-1, Diploma mining Engineer-1, Geologist-1	Graduate Mining Engineer-1, Diploma mining Engineer-1, Geologist-1	Graduate Mining Engineer-1, Diploma mining Engineer-1, 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-6.3 ha, waste dump-0.815 ha, Infrasructure & roads-8.519ha & others -1.290 ha.	Area covered under different heads are Pit-6.3 ha, waste dump-0.815 ha, Infrasructure & roads-8.519ha & others -1.290 ha.	Area covered under different heads are Pit-6.3 ha, waste dump-0.815 ha, Infrasructure & roads-8.519ha & others -1.290 ha.
9d	Scrutiny of Annual return on afforestation	Total 213 nos. saplings have been planted in 2016-17.	Total 213 nos. saplings have been planted in 2016-17.	Total 213 nos. saplings have been planted in 2016-17.
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 at the mines head of 62 to +65% Fe is 14942.2T.	Closing stock at the mines head of 62 to +65% Fe is 14942.2T.	Closing stock at the mines head of 62 to +65% Fe is 14942.2T.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price; 60% to below 62%; Rs 1574.90 62% to below 65%: Rs 2298.48 65% and above: Rs 1400.00	Ex mine price; 60% to below 62%; Rs 1574.90 62% to below 65%: Rs 2298.48 65% and above: Rs 1400.00	Ex mine price; 60% to below 62%; Rs 1574.90 62% to below 65%: Rs 2298.48 65% and above: Rs 1400.00
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs) 97733692/-	Value of Fixed Assets (in Rs) 97733692/-	Value of Fixed Assets (in Rs) 97733692/-

9k	Scrutiny of Annual return on mining machineries	Drilling machine- 110 mm dia.-1, Excavator- 1.7/2.1 cu.m-9, Tipper 10T-10, Screen plant-1 etc.	Drilling machine- 110 mm dia.-1, Excavator- 1.7/2.1 cu.m-9, Tipper 10T-10, Screen plant-1 etc.	Drilling machine- 110 mm dia.-1, Excavator- 1.7/2.1 cu.m-9, Tipper 10T-10, Screen plant-1 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

Date :

(DAYANAND UPADHYAY)

Indian Bureau of Mines