

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON-MN/SNG/MCDR-4/BBS

**Mine code :** 30ORI13032

- (i) Name of the Inspecting : **U11** ) **DAYANAND UPADHYAY**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : S K Sahoo, Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 23/02/2020
- (v) Prev.inspection date : 30/12/2019

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GONUA**
- (b) **Registration NO.** : **IBM / 4340 /2011**
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : GONUA
- Taluka : BONAI
- Post office : PATABERA
- Pin Code :
- FAX No. : 06767 -270049
- E-mail : kjsahluwalia@rediffmail.cor
- Phone : 06767- 270048
- (f) Police Station : KOIRA
- (g) First opening date : 15/03/1999
- (h) Weekly day of rest : SUN
2. Address for : GONUA IRON & MN MINE, M/S P.K.AHLUWALIA  
correspondance P.O.PATABERA, DIST:SUNDERGARH  
ORISSA-770048
3. (a) Lease Number : ORI0689
- (b) Lease area : 86.89
- (c) Period of lease : 20
- (d) Date of Expiry : 04/10/2010
4. Mineral worked : MANGANESE ORE Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : P.K.AHLUWALIA  
SUNDARGARH ORISSA  
Phone:  
FAX :

Owner : P.K.AHLUWALIA  
P.K.AHLUWALIA, MINE OWNER  
P.B.NO.3, POST:BARBIL  
KEONJHAR ORISSA  
Phone:  
FAX :

## Mining Engineer

Name : Sri Santosh Kumar Sahoo, Full Time  
Qualification : BE Mining (AMIE)  
Appointment/ : 15/10/2008  
Termination date

## Geologist

Name : Subhranshu Bhusan Das, Full Time  
Qualification : M.sc (Geo)  
Appointment/ : 01/09/2018  
Termination date

## Manager

Name : Sri Santosh Kumar Sahoo  
Qualification : BE Mining (AMIE)  
Appointment/ : 15/10/2008  
Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	26/04/2005
		Mining Scheme rule 12 MCDR1988	19/09/2005
		Mining Scheme rule 12 MCDR1988	25/07/2007
		Renewal under rule 24 MCR1960	24/06/2010
		Modif.of approved Mining Plan	01/11/2010
		Mining Scheme rule 12 MCDR1988	25/04/2013
		Mining Scheme rule 12 MCDR1988	31/07/2015
		MP modif under 17(3) MCR 2016	14/08/2018
		FMCP under 23C(1)	16/10/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Proposed 28 numbers of bore holes	Proposed 28 numbers of bore holes have been drilled by lessee.	No backlog.
1b	Exploration over lease area for geological axis 1 or 2	24.699 ha area for G2 level.	Proposed 24.699 ha area explored under G2 level by putting 28 nos of bore holes.	Proposed 24.699 ha area explored under G2 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Exploration agency involved in drilling was M/s Gemco kati Exploration Pvt Ltd. Cost incurred in drilling was Rs 6591008/-.	Exploration agency involved in drilling was M/s Gemco kati Exploration Pvt Ltd. Cost incurred in drilling was Rs 6591008/-.
1d	Balance area to be explored to bring Geological axis in 1 or 2	24.699 ha area for G2 level.	Proposed 24.699 ha area explored under G2 level by putting 28 nos of bore holes.	Proposed 24.699 ha area explored under G2 level.
1e	Balance reserve as on 01/04/20	Reserve/resources as per modified mining plan approved on 14/08/20187: Proved under 111& 122 - 15.35MT, resources under 222- 1.836 MT	Balance Reserve/resources as on 01/04/2019: Proved under 111& 122 - 11.85MT, resources under 222- 1.836 MT	Balance Reserve/resources as on 01/04/2019: Proved under 111& 122 - 11.85MT, resources under 222- 1.836 MT
1f	General remarks of inspecting officers on geology, exploration etc	28 bore holes in 2018-19.	Proposed 24.699 ha area explored under G2 level by putting 28 nos of bore holes.	Lease area explored under G1- 39.948 and G2 level-46.938 ha.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	Gonua quarry; N2424740 to 2425185 & E331906 to 332260 Patabeda quarry: N2425663 to 2425770 & E331917 to 332170	Development is carried out in Gonua quarry only as per proposal where forest clearance was available. Another Patabeda quarry falls under undiverted forest land for which forest clearance is required.	Development is carried out in Gonua quarry only as per proposal where forest clearance was available. Another Patabeda quarry falls under undiverted forest land for which forest clearance is required.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	All the benches in ore.	All the benches in ore.	There is no separate top soil & OB benches. The ore exposed from surface with waste.
2c	Stripping ratio or ore to OB ratio	1.0.08T/cu.m	OB not generated as the proposed Patabeda quarry not worked out due to want of forest clearance.	OB not generated as the proposed site for OB falls under undiverted forest land for which forest clearance has not been obtained.
2d	Quantity of topsoil generation in m3	Not proposed.	Nil.	No top soil generation as the working is confined in already broken up area.
2e	Quantity of overburden generation in m3	98400 cu.m	OB not generated as the proposed Patabeda quarry not worked out due to want of forest clearance.	OB not generated as the proposed site for OB falls under undiverted forest land for which forest clearance has not been obtained.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development proposal in 02 quarries: Gonua quarry; N2424740 to 2425185 & E331906 to 332260 Patabeda quarry: N2425663 to 2425770 & E331917 to 332170	Development is carried out in Gonua quarry only as per proposal where forest clearance was available. Another Patabeda quarry falls under undiverted forest land for which forest clearance is required.	Development is carried out in Gonua quarry only as per proposal where forest clearance was available. Another Patabeda quarry falls under undiverted forest land for which forest clearance is required.
----	---	---	--	--

---

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 quarries.	Working taken up in 01 quarry i.e Gonua quarry only.	Working taken up in Gonua quarry only where forest clearance was available. Another Patabeda quarry falls under undiverted forest land needs forest clearance.
3b	Quantity of ROM mineral production proposed	1218600T	349100T	The proposal was made based on the enhance EC quantity of 1.2 MTPA but the EC has not been obtained. Therefore the production has been limited within the earlier approved EC quantity of 0.36 MTPA.

3c	Recovery of sailable/usable mineral from ROM production	959100T	Total ROM produced in 2018-19 is saleable after blending.	The proposal was made based on the enhance EC quantity of 1.2 MTPA but the EC has not been obtained. Therefore the production has been limited within the earlier approved EC quantity of 0.36 MTPA.
3d	Quantity of mineral reject generation	259500T	Mineral reject generated during mining is simultaneously blended with high grade ore.	The proposal was made based on the enhance EC quantity of 1.2 MTPA but the EC has not been obtained. Therefore the production has been limited within the earlier approved EC quantity of 0.36 MTPA.
3e	Grade of mineral rejects generation and threshold value declared.	45% to 58% Fe	Mineral reject generated during mining is simultaneously blended with high grade ore. and all the ROM produced is saleable.	Mineral reject generated during mining is simultaneously blended with high grade ore.
3f	Quantity of sub grade mineral generation.	259500T	Mineral reject generated during mining is simultaneously blended with high grade ore.	The proposal was made based on the enhance EC quantity of 1.2 MTPA but the EC has not been obtained. Therefore the production has been limited within the earlier approved EC quantity of 0.36 MTPA.

3g	Grade of sub grade mineral generation	45% to 58% Fe	Mineral reject generated during mining is simultaneously blended with high grade ore. and all the ROM produced is saleable.	Mineral reject generated during mining is simultaneously blended with high grade ore.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Mechanised sorting for Iron ore.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Only crushing and screening is being practiced.	Only crushing and screening is being practiced.
3j	Provision of drilling and blasting in mineral benches	DTH drilling of 110mm dia. Blast hole with emulsion/slurry explosive as column 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 column 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 column charge and booster alongwith delay detonator.
3k	Provision of mining machineries in mineral benches	Shovel and dumper combination.	Shovel and dumper combination are practiced for excavation. The machineries available at site area: SHOVEL (HYDRAULIC) 2.5/4.3 cu.m-3, FRONT END LOADER 1.5 cu.m-3, Dumper 20/35 T-13, WATER TANKER 10-3	Shovel and dumper combination are practiced for excavation of ore and OB.
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 excavator.	Bench height is suitably matched with the excavator.

3m	Total area covered under excavation/pits	31.350 ha proposed during approved plan period.	About 31.350 ha area has been covered under excavation pits.	About 31.350 ha area has been covered under excavation pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.08	OB not generated in 2018-19.	OB not generated as the proposed Patabeda quarry falls under undiverted forest land for which forest clearance has not been obtained.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are-Pit-31.350 ha, waste dump-2.389 ha, Infrastructure -1.007 ha, roads-1.464ha, mineral storage-7.543ha.	Area covered under different heads are Pit-31.350 ha, waste dump-0.800 ha, Plant, residential & building, roads-1.204ha.	Area covered under different heads are Pit-31.350 ha, waste dump-0.800 ha, Plant, residential & building, roads-1.204ha.
3p	Production of ROM mineral during the last five year period as applicable	2013-14: 1202215T 2014-15: 1206625T 2015-16: 1150080T 2016-17: 1200120T 2017-18: 1200060T	Mines was discontinued since 23/08/2011. ROM production carried out in 2018-19 is 349100T.	Mines was suspended by forest department with effect from 23/08/2011.
3q	General remarks of inspecting officers on method of mining etc.	Excavation of ROM has been proposed in 02 quarries i.e Gonua quarry and Patabeda quarry.	ROM production is carried out in Gonua quarry only where forest clearance was available. Another Patabeda quarry falls under undiverted forest land for which forest clearance is required.	The ROM was proposed based on the enhance EC quantity of 1.2 MTPA but the EC has not been obtained. Therefore the production has been limited within the earlier approved EC quantity of 0.36 MTPA.



## 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 overburden and mineral reject, no top soil proposal.	OB not generated as the proposed Patabeda quarry not worked out due to want of forest clearance. In Gouna quarry working was concentrated in pit bottom. Mineral reject generated during mining is simultaneously blended with high grade ore.	OB not generated as the proposed site falls under undiverted forest land for which forest clearance has not been obtained.
4b	Location of topsoil, OB and mineral reject dumps	Dump-2: N2425102 to 2425349 & E331549 to 331671, Dump-3: N2425812 to 2425657 & E331599 to 331807 MR dump-1: N2425160 to 2425396 & E331846 to 332028, MR dump-2: N2424773 to 2424987 & E331728 to 331873	OB not generated as the proposed Patabeda quarry not worked out due to want of forest clearance. In Gouna quarry working was concentrated in pit bottom. Mineral reject generated during mining is simultaneously blended with high grade ore.	OB not generated as the proposed site falls under undiverted forest land for which forest clearance has not been obtained.
4c	Number of dumps within lease area and outside of lease area	02 dumps within lease area.	There are 03 OB dumps exist in the lease area among them 02 dumps proposed active dump and 01 dead dump.	OB not generated as the proposed Patabeda quarry not worked out due to want of forest clearance. In Gouna quarry working was concentrated in pit bottom. Mineral reject generated during mining is simultaneously blended with high grade ore.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump-2: N2425102 to 2425349 & E331549 to 331671, Dump-3: N2425812 to 2425657 & E331599 to 331807 MR dump-1: N2425160 to 2425396 & E331846 to 332028, MR dump-2: N2424773 to 2424987 & E331728 to 331873	OB not generated as the proposed Patabeda quarry not worked out due to want of forest clearance. In Gouna quarry working was concentrated in pit bottom. Mineral reject generated during mining is simultaneously blended with high grade ore.	There are 03 OB dumps exist in the lease area among them 02 dumps proposed active dump and 01 dead dump.
4e	Number of active and alive dumps.	02 dumps.	There are 03 OB dumps exist in the lease area among them 02 dumps proposed active dump and 01 dead dump outside UPL.	OB not generated as the proposed site for OB falls under undiverted forest land for which forest clearance has not been obtained.
4f	Number of dead dumps.	01 dump.	Dead dump is rehabilitated by plantation.	Dead dump is rehabilitated by plantation.
4g	Number of dumps established.	Not specified.	Dead dump is rehabilitated by plantation.	Dead dump is rehabilitated by plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and garland drain of 2204m and 1348m respectively	Retaining wall and garland drain around the dump proposed in Patabeda quarry not constructed as the working not started due to want of forest clearance.	Retaining wall and garland drain around the dump proposed in Patabeda quarry not constructed as the working not started due to want of forest clearance.

4i	Length of Retaining wall or garland drain all along dumps	Retaining wall and garland drain of 2204m and 1348m respectively	Retaining wall and garland drain around the dump proposed in Patabeda quarry not constructed as the working not started due to want of forest clearance.	Retaining wall and garland drain around the dump proposed in Patabeda quarry not constructed as the working not started due to want of forest clearance.
4j	Number of settling ponds	Settling tank 10 nos.	Settling tank 10 nos.	Settling tank 10 nos.
4k	Specific comments of inspecting officer on waste dump management	Two active dumps were proposed.	OB not generated as the proposed Patabeda quarry not worked out due to want of forest clearance. In Gouna quarry working was concentrated in pit bottom. Mineral reject generated during mining is simultaneously blended with high grade ore.	There are 03 OB dumps exist in the lease area among them 02 dumps proposed active dump and 01 dead dump. Dead dump has been rehabilitated by plantation.

#### 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 as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
5d	Total area fully reclaimed and rehabilitated	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
----	--	---	--	--

#### 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 specified.	Annual return on PMCP has been submitted.	Annual return on PMCP has been submitted.
6b	Area available for rehabilitation (ha) .	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6c	afforestation done (ha).	2400 nos. of saplings in 0.65 ha area.	2000 nos. of saplings were planted in 2018-19 covering 0.65 ha area and additional 1000 nos. of saplings planted as on date of inspection including previous backlog.	2000 nos. of saplings were planted in 2018-19 covering 0.65 ha area and additional 1000 nos. of saplings planted as on date of inspection including previous backlog.
6d	No. of saplings planted during the year	2400 nos. of saplings in 0.65 ha area.	2000 nos. of saplings were planted in 2018-19 covering 0.65 ha area and additional 1000 nos. of saplings planted as on date of inspection including previous backlog.	2000 nos. of saplings were planted in 2018-19 covering 0.65 ha area and additional 1000 nos. of saplings planted as on date of inspection including previous backlog.
6e	Cumulative no .of plants	Not specified.	As reported cumulative no. of trees planted by lessee is about 26650 nos.	As reported cumulative no. of trees planted by lessee is about 26650 nos.

6f	Any other method of rehabilitation	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6g	Cost incurred on watch and care during the year	Not specified.	Around Rs 2.4 lakh cost incurred on watch and care.	Around Rs 2.4 lakh cost incurred on watch and care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed	Nil.	There is no proposal of waste land rehabilitation.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Nil.	There is no proposal of waste land rehabilitation.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Nil.	There is no proposal of waste land rehabilitation.
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.	No proposal for reclamation and rehabilitation as the mineralisation is continue.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.

#### 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.	Mechanised sorting	Mechanised sorting	Mechanised sorting for Iron ore.
7c	Different grade of mineral sorted out at mines.	45% to 58% Fe and +58% Fe.	45% to 58% Fe and +58% Fe.	Different grades of minerals sorted out at mines are 45% to 58% Fe and +58% Fe.

7d	Any beneficiation process at mines .	Not proposed.	Only crushing and screening Of ROM is being practiced.	Only crushing and screening Of ROM is being practiced.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Gradewise sorting of ore 45% to 58% Fe and +58% Fe.	Different grades of minerals sorted out at mines are 45% to 58% Fe and +58% Fe.	Different grades of minerals sorted out at mines are 45% to 58% Fe and +58% Fe.

---

**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Nil.	No top soil generation as the working is confined in already broken up area.
8b	Concurrent use or storage of topsoil	Not proposed.	Nil.	No top soil generation as the working is confined in already broken up area.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping for overburden and mineral reject.	No overburden and mineral reject generated in 2018-19.	The proposed Patabeda quarry not worked out due to want of forest clearance . Therefore OB and mineral reject not as proposed not generated.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2400 nos. of saplings.	2000 nos. of saplings were planted in 2018-19 and additional 1000 nos. of saplings planted as on date of inspection including previous backlog.	2000 nos. of saplings were planted in 2018-19 and additional 1000 nos. of saplings planted as on date of inspection including previous backlog.
8g	Survival rate	Not specified.	Survival rate as reported 65%.	Survival rate as reported 65%.
8h	Water sprinkling on roads to control airborne dust	Water sprinkler.	Water sprinklers of 10 KL are used to control air borne dust.	Water sprinklers are used to control air borne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	2400 nos. of saplings.	Aesthetic beauty in and around mined area is maintained plantation. As reported cumulative no. of trees planted by lessee is about 26650 nos.	Aesthetic beauty in and around mined area is maintained plantation. As reported cumulative no. of trees planted by lessee is about 26650 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	The employment status of mining engineer, geologist & mine manager have been furnished in the annual return.	The employment status of mining engineer, geologist & mine manager have been furnished in the annual return.	The employment status of mining engineer, geologist & mine manager have been furnished in the annual return.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under different heads are Pit-31.350 ha, waste dump-0.800 ha, Plant, residential & building, roads-1.204ha.	Area covered under different heads are Pit-31.350 ha, waste dump-0.800 ha, Plant, residential & building, roads-1.204ha.	Area covered under different heads are Pit-31.350 ha, waste dump-0.800 ha, Plant, residential & building, roads-1.204ha.
9d	Scrutiny of Annual return on afforestation	2000 nos. of saplings.	2000 nos. of saplings.	2000 nos. of saplings.
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: Lump : 62% to below 65%Fe- 142120.490T, 65% Fe and above- 38473.110T Fines : 62% to below 65%Fe- 142871.750T, 65% Fe and above- 49403.710T	Closing stock: Lump : 62% to below 65%Fe- 142120.490T, 65% Fe and above- 38473.110T Fines : 62% to below 65%Fe- 142871.750T, 65% Fe and above- 49403.710T	Closing stock: Lump : 62% to below 65%Fe- 142120.490T, 65% Fe and above- 38473.110T Fines : 62% to below 65%Fe- 142871.750T, 65% Fe and above- 49403.710T

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price: Lump : 62% to below 65%Fe- Rs 4160.89, 65% Fe and above- Rs 4900.00 Fines : 62% to below 65%Fe- Rs 1750.00 Cost of production Per Tonne- Rs 1185.44	Ex Mine price: Lump : 62% to below 65%Fe- Rs 4160.89, 65% Fe and above- Rs 4900.00 Fines : 62% to below 65%Fe- Rs 1750.00 Cost of production Per Tonne- Rs 1185.44	Ex Mine price: Lump : 62% to below 65%Fe- Rs 4160.89, 65% Fe and above- Rs 4900.00 Fines : 62% to below 65%Fe- Rs 1750.00 Cost of production Per Tonne- Rs 1185.44
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs)- 40533578	Value of Fixed Assets (in Rs)- 40533578	Value of Fixed Assets (in Rs)- 40533578
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 2.5/4.3 cu.m-3, FRONT END LOADER 1.5 cu.m-3, Dumper 20/35 T-13, WATER TANKER 10-3	SHOVEL (HYDRAULIC) 2.5/4.3 cu.m-3, FRONT END LOADER 1.5 cu.m-3, Dumper 20/35 T-13, WATER TANKER 10-3	SHOVEL (HYDRAULIC) 2.5/4.3 cu.m-3, FRONT END LOADER 1.5 cu.m-3, Dumper 20/35 T-13, WATER TANKER 10-3

---

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

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

(DAYANAND UPADHYAY)

Indian Bureau of Mines