

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/MB/MCDR- 11/BBS

Mine code : 30ORI10005

- (i) Name of the Inspecting : **U11**) **DAYANAND UPADHYAY**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Bikash Ranjan Nayak, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 07/04/2018
- (v) Prev.inspection date : 27/09/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GORUMAHISANI**
- (b) **Registration NO.** : **IBM/1235/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : MAYURBHANJ
- Village : GORUMAHISANI
- Taluka : RAIRANGPUR
- Post office : GORUMAHISANI
- Pin Code : 757042
- FAX No. : 274219 (O),274204 (R)
- E-mail : gmspl2011@gmail.com
- Phone : 9830338322
- (f) Police Station : Gorumahisani
- (g) First opening date : 07/01/1970
- (h) Weekly day of rest : TUE
2. Address for : AT/PO.GORUMAHISANI
correspondance TALUK.BAMANGHATY
DIST.MAYURBHANJ, ORISSA,PIN.757042
3. (a) Lease Number : ORI0118
- (b) Lease area : 1435.3
- (c) Period of lease : 30
- (d) Date of Expiry : 06/01/2000
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : GHANASYAM MISHRA & SONS
 7-WATER COOL STREET
 CALCUTTA WEST BENGAL
 KOLKATA WEST BENGAL
 Phone:
 FAX :

Owner : Sourav Mishra
 AT/PO GORUMAHISANI Dist-
 MAYURBHANJ MAYURBHANJ
 ORISSA
 Phone: 06794-274219
 FAX : 06794-274380

Agent : Jagdish Mishra
 At + Post.- Mayurbhanj
 MAYURBHANJ ORISSA
 Phone: 06794-274219
 FAX : 06794-274380

Mining Engineer

Name : Anup Samantha, Full Time
 Qualification : B Tech (Mining)
 Appointment/ : 21/10/2005
 Termination date

Geologist

Name : Rakesh Mahanta, Full Time
 Qualification : M. Sc.
 Appointment/ : 05/06/2014
 Termination date

Manager

Name : Bikash Ranjan Nayak
 Qualification : B-Tech (Mining)
 Appointment/ : 16/01/2010
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	31/12/2001
		Modif.of approved Mining Plan	09/11/2006
		Mining Scheme rule 12 MCDR1988	11/10/2007
		FMCP under 23C(1)	27/01/2010
		Modif.of approved Mining Plan	29/01/2010
		Mining Scheme rule 12 MCDR1988	16/03/2012
		FMCP under 23C(1)	09/11/2015
		Modif.approved Mining Scheme	10/03/2016
		MP review under 17(1) MCR 2016	31/03/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	43 bore holes.	233 nos. bore holes have been drilled by lessee in 2017-18.	There is no backlog.
1b	Exploration over lease area for geological axis 1 or 2	G1 Level of exploration.	Under G1 level of exploration total 233 nos. bore holes have been drilled by lessee in 2017-18.	Under G1 level of exploration total 233 nos. bore holes have been drilled by lessee in 2017-18.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	National drilling Co., Kolkata was carried out the exploration work. Expenditur incurred for the year 2017-18 is Rs 6203190/-	National drilling Co., Kolkata was carried out the exploration work.
1d	Balance area to be explored to bring Geological axis in 1 or 2	About 238.0 ha area to be explored under G1/G2 level of exploration.	About 249.0 ha area has been explored through 233 nos. of bore holes under G1 level of exploration.	About 249.0 ha area has been explored through 233 nos. of bore holes under G1 level of exploration in 2017-18.
1e	Balance reserve as on 01/04/20	Balance reserve as per Review of Mining Plan approved on 31.03.2017 was 8.3 MillionT under proved (111) category and 9.1 MillionT under 221 category.	Balance reserve as on 01/04/2018 under 111 category is 7.73 MillionT and under 122 category is 9.1 MillionT.	Balance reserve as on 01/04/2018 under 111 category is 7.73 MillionT and under 122 category is 9.1 MillionT.
1f	General remarks of inspecting officers on geology, exploration etc		Total 275.83 ha area is explored under G1/G2 level through 317 no. of bore holes. Potentially mineralised area has been explored under G1/G2 level of exploration..	Potentially mineralised area has been explored under G1/G2 level of exploration..

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Kochar quarry: 451E-686E, 2534S-2751S Kochar Top quarry: 547E-660E, 2333S-2532S Kisun Tanki quarry: 21E-156E, 2073S-2123S F-Level quarry: 404E-488E, 1441S-1486S 2550 quarry: 587E-806E, 1785S-1856S	Kochar quarry: 451E-686E, 2534S-2751S Kochar Top quarry: 547E-660E, 2333S-2532S Kisun Tanki quarry: 21E-156E, 2073S-2123S F-Level quarry: 404E-488E, 1441S-1486S 2550 quarry: 587E-806E, 1785S-1856S	The working has been concentrated in Kochar quarry, Kochar Top quarry, Kisun Tanki quarry, F-Level quarry, 2550 quarry.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore with 6m height.	Separate benches in OB and ore with 6m height have been maintained.	There is no top soil benches.
2c	Stripping ratio or ore to OB ratio	Kochar quarry: 1:0.34 Kochar Top quarry: 1:0.52 Kisun Tanki quarry: 1:0.6 2550 quarry: 1:0.42	Kochar quarry: 1:0.33 Kochar Top quarry: 1:0.51 Kisun Tanki quarry: 1:0.58 2550 quarry: 1:0.40	Stripping ration more or less as per proposal.
2d	Quantity of topsoil generation in m3	Not proposed.	Not applicable.	No topsoil generation is proposed in approved review of mining plan.
2e	Quantity of overburden generation in m3	284882 cu.m	230982 cu.m	The OB generation is less as the proposed ROM production could not acheived.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The potentially mineralised area is fully explored and development is concentrated in six pit.	The development is carried out as per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	06 pits proposed.	Kochar quarry: 451E-686E, 2534S-2751S Kochar Top quarry: 547E-660E, 2333S-2532S Kisun Tanki quarry: 21E-156E, 2073S-2123S F-Level quarry: 404E-488E, 1441S-1486S 2550 quarry: 587E-806E, 1785S-1856S	The working has been concentrated in Kochar quarry, Kochar Top quarry, Kisun Tanki quarry, F-Level quarry, 2550 quarry.
3b	Quantity of ROM mineral production proposed	746808 T	615952T	ROM production is less than proposal due breakdown of of machinaries and low dispatched.
3c	Recovery of sailable/usable mineral from ROM production	70%	Recovery of saleable ore is about 70%.	Recovery of saleable ore is about 70%.
3d	Quantity of mineral reject generation	363158T	159460.09T	Due to less ROM production mineral reject generation is less.
3e	Grade of mineral rejects generation and threshold value declared.	-58% to +45% Fe.	-58% to +45% Fe.	Grade of mineral reject is -58% to +45% Fe.
3f	Quantity of sub grade mineral generation.	363158T	159460.09T	Due to less ROM production sub grade mineral generation is less.
3g	Grade of sub grade mineral generation	-58% to +45% Fe.	-58% to +45% Fe.	Grade of sub grade generation is -58% to +45% Fe.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised and manual sorting is being practiced.	Mechanised and manual sorting is being practiced.
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 100mm dia. Blast hole ANFO explosive as coloumn charge and booster alongwith delay detonator.	DTH drilling of 100mm dia. Blast hole with ANFO exlposive as coloumn charge and booster as base charge alongwith delay detonator is being practiced for drilling and blasting.	Depth of blasting- 6.5m Burden- 3.0m spacing- 3.5m.
3k	Provision of mining machineris in mineral benches	Drilling machine- 100 mm dia.-1, Excavator- 0.5/0.6 cu.m- 3, Dumper 10T- 21, Rock breaker-3 etc.	DTH of 100mm dia. is used for drilling blast hole. Ore & OB are handled by excavator of 0.5/0.6 cu.m capacity with dumper of 10 T capacity.	DTH of 100mm dia. is used for drilling blast hole. Ore & OB are handled by excavator of 10.5/0.6 cu.m capacity with dumper of 10 T capacity.
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	72.48 ha during approved plan period.	About 65.0 ha. has been covered under excavation pits.	About 65.0 ha. has been covered under excavation pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	1:0.40	
3o	Total area put in use under different heads at the end of year	Area proposed under different heads are Pit-72.48 ha, waste dump- 15.352 ha, Infrastructure -22.852, roads-12.39 ha & Mineral storage- 13.64, others -3.568 ha.	Area covered under different heads are Pit-65.0 ha, waste dump- 13.353 ha, Infrastructure-22.852, roads-12.39 ha & Mineral storage- 13.64, others - 3.568 ha.	Area covered under different heads are Pit-65.0 ha, waste dump-13.353 ha, Infrastructure- 22.852, roads- 12.39 ha & Mineral storage- 13.64, others -3.568 ha.

3p	Production of ROM mineral during the last five year period as applicable	2013-14: 751194T 2014-15: 749880T 2015-16: 985877T 2016-17: 955581T 2017-18: 746808T	2013-14: 469022.30T 2014-15: 646818T 2015-16: 259078.460T 2016-17: 738009.58T 2017-18: 616952.90T	Against the approved proposal less production of ROM is carried out by lessee due to breakdown of machinaries and less dispatched.
3q	General remarks of inspecting officers on method of mining etc.	The ROM production has been carried out from single pit. DTH drilling of 100mm dia. Blast hole with ANFO explosive alongwith delay detonator is being practiced for drilling and blasting.	Against the approved proposal less production of ROM is carried out by lessee due to breakdown of machinaries and less dispatched.	

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 overburden in NE and NW direction of lease.	Separate dump for overburden in NE and NW direction of lease.	There is no top soil generation.
4b	Location of topsoil, OB and mineral reject dumps	05 dump for overburden in NE and NW direction of lease.	05 dump for overburden in NE and NW direction of lease. F-Level OB dump: 106E-388E & 1255S-1343S Kochar OB dump: 383E-664E & 2746S-2996S Kochar OB top dump: 742E-934E& 2208S-2376S Kishuntanky ob dump:179E-229E & 2015S-2146S N-incline OB dump: 143W-203W & 1543S-1726S	There is 05 active OB dump in NE and NW direction of lease.

4c	Number of dumps within lease area and outside of lease area	05 dump for overburden in NE and NW direction within lease.	05 dump for overburden in NE and NW direction within lease. F-Level OB dump: 106E-388E & 1255S-1343S Kochar OB dump: 383E-664E & 2746S-2996S Kochar OB top dump: 742E-934E& 2208S-2376S Kishuntanky ob dump:179E-229E & 2015S-2146S N-incline OB dump: 143W-203W & 1543S-1726S	There is 05 active OB dump in NE and NW direction within lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	05 dump for overburden in NE and NW direction of lease. F-Level OB dump: 106E-388E & 1255S-1343S Kochar OB dump: 383E-664E & 2746S-2996S Kochar OB top dump: 742E-934E& 2208S-2376S Kishuntanky ob dump:179E-229E & 2015S-2146S N-incline OB dump: 143W-203W & 1543S-1726S	05 dump for overburden in NE and NW direction of lease. F-Level OB dump: 106E-388E & 1255S-1343S Kochar OB dump: 383E-664E & 2746S-2996S Kochar OB top dump: 742E-934E& 2208S-2376S Kishuntanky ob dump:179E-229E & 2015S-2146S N-incline OB dump: 143W-203W & 1543S-1726S	There is 05 active OB dump in NE and NW direction of lease area.

4e	Number of active and alive dumps.	05 dump for overburden in NE and NW direction within lease.	05 dump for overburden in NE and NW direction of lease. F-Level OB dump: 106E-388E & 1255S-1343S Kochar OB dump: 383E-664E & 2746S-2996S Kochar OB top dump: 742E-934E& 2208S-2376S Kishuntanky ob dump:179E-229E & 2015S-2146S N-incline OB dump: 143W-203W & 1543S-1726S	There is 05 active OB dump in NE and NW direction of lease area.
4f	Number of dead dumps.	Not proposed.	There are 13 old dead dumps in the lease area which have been stabilised by plantation.	There are 13 old dead dumps in the lease area which have been stabilised by plantation.
4g	Number of dumps established.	Not proposed.	There are 13 old dead dumps in the lease area which have been stabilised by plantation.	There are 13 old dead dumps in the lease area which have been stabilised by plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall of 329mX2.0mX2.0m and a garland drain of 304mX1.0mX2.0m around KD1dump.	Retaining wall of 329mX2.0mX2.0m and a garland drain of 304mX1.0mX2.0m around KD1dump has been completed.	Retaining wall of 329mX2.0mX2.0m and a garland drain of 304mX1.0mX2.0m around KD1dump has been completed.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall of 329mX2.0mX2.0m and a garland drain of 304mX1.0mX2.0m around KD1dump.	Retaining wall of 329mX2.0mX2.0m and a garland drain of 304mX1.0mX2.0m around KD1dump has been completed.	Retaining wall of 329mX2.0mX2.0m and a garland drain of 304mX1.0mX2.0m around KD1dump has been completed.
4j	Number of settling ponds	Not proposed.	There are 09 settling ponds in the lease area.	There are 09 settling ponds in the lease area.

4k	Specific comments of inspecting officer on waste dump management	Retaining wall and garland drain have been made around dump and slope of the dump has been stabilised by plantation. Dead dump has also been stabilised by plantation.	Retaining wall and garland drain have been made around dump and slope of the dump has been stabilised by plantation. Dead dump has also been stabilised 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.	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.	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 specified.	Annual return on PMCP has been submitted.	Annual return on PMCP has been submitted.
6b	Area available for rehabilitation (ha) .	Not proposed.	Not applicable.	Mineralisation is continue and pit is not matured for reclamation.
6c	afforestation done (ha).	Dump plantation in 2.60 ha area and safety zone plantation in 0.776 ha area.	35343 nos. of saplings have been planted in 3.376 ha area to cover dump and safety zone plantation.	35343 nos. of saplings have been planted in 3.376 ha area to cover dump and safety zone plantation.
6d	No. of saplings planted during the year	12185 nos. of saplings.	In 2017-18, 59458 nos. of saplings have been planted by lessee.	In 2017-18, 59458 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 780210.	Cumulative nos. of saplings planted in the lease area is about 780210.
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.	Rs 42.43 lakh incurred by lessee in watch and care.	Rs 42.43 lakh incurred by lessee in watch and care.
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.	
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. 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. 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 .
----	---	--	--

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.	Mechanised and manual method is adpoted for gradewise sorting of iron ore.	Mechanised and manual method is adpoted for gradewise sorting of iron ore.
7c	Different grade of mineral sorted out at mines.	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.
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 +58% Fe. Different grades of minerals sorted out at mines are -65% Fe, 62 to 58% fe and 58 to +45% Fe.	Cut off grade of iron ore for the mine is +58% Fe. Different grades of minerals sorted out at mines are - 65% Fe, 62 to 58% fe and 58 to +45% Fe.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Not applicable.	No top soil generation has been proposed in approved mining plan.
8b	Concurrent use or storage of topsoil	Not proposed.	Not applicable.	No top soil generation has been proposed in approved mining plan.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden and mineral reject.	Separate dump for overburden and mineral reject.	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.	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)	Dump plantation in 2.60 ha area and safety zone plantation in 0.776 ha area.	35343 nos. of saplings have been planted in 3.376 ha area to cover dump and safety zone plantation.	35343 nos. of saplings have been planted in 3.376 ha area to cover dump and safety zone plantation.
8g	Survival rate	Not specified.	Survival rate is 65-68%	Survival rate is 65-68%
8h	Water sprinkling on roads to control airborne dust	Water sprinkler of 1 KL.	02 Water sprinkler of 1 KL capacity are used to control airborne dust.	02 Water sprinkler of 1 KL capacity are used to control airborne dust.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around mines area is maintained. In 2017-18, total 342 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 24895 nos.	Aesthetic beauty in and around mines area is maintained. In 2017-18, total 342 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 24895 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.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Graduate Mining Engineer-2, Diploma mining Engineer-4, Geologist-1	Graduate Mining Engineer-2, Diploma mining Engineer-4, Geologist-1	Graduate Mining Engineer-2, Diploma mining Engineer-4, 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-65.0 ha, waste dump-14.460 ha ha, Infrastructure -22.852, others -1.094 ha.	Area covered under different heads are Pit-65.0 ha, waste dump-14.460 ha ha, Infrastructure-22.852, others -1.094 ha.	Area covered under different heads are Pit-65.0 ha, waste dump-14.460 ha ha, Infrastructure-22.852, others -1.094 ha.
9d	Scrutiny of Annual return on afforestation	59458 nos of saplings.	59458 nos of saplings.	59458 nos of saplings.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	159460T -58% to +45% Fe.	159460T -58% to +45% Fe.	159460T -58% to +45% Fe.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Gradeswise stock i.e Below 45% to below 58%, 58% to below 60%, 60% to below 62%, 62% to below 65% & above 65% have been furnished.	Gradeswise stock i.e Below 45% to below 58%, 58% to below 60%, 60% to below 62%, 62% to below 65% & above 65% have been furnished.	Gradeswise stock i.e Below 45% to below 58%, 58% to below 60%, 60% to below 62%, 62% to below 65% & above 65% have been furnished.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost production- Rs 2053.70.	Cost production- Rs 2053.70.	
9h	Scrutiny of Annual return on fixed assets	Fixed asset Rs 54874813/-	Fixed asset Rs 54874813/-	
9k	Scrutiny of Annual return on mining machineries	Drilling machine- 100 mm dia.-1, Excavator- 1.09/2.6 cu.m-6, Dumper 10T-12, Dozer-2, Crusher-2 etc.	Drilling machine- 100 mm dia.-1, Excavator- 1.09/2.6 cu.m-6, Dumper 10T-12, Dozer-2, Crusher-2 etc.	Drilling machine- 100 mm dia.-1, Excavator- 1.09/2.6 cu.m-6, Dumper 10T-12, Dozer-2, Crusher-2 etc.

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