

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/MN/SNG/MCDR-3/BBS

Mine code : 40ORI13010

- (i) Name of the Inspecting : **U11**) **DAYANAND UPADHYAY**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Sanju Mahto, Mines Manager & Shri Abhijit Sen, A
Official with
Designation
- (iv) Date of Inspection : 07/02/2019
- (v) Prev.inspection date : 16/04/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KOLMONG**
- (b) **Registration NO.** : **IBM/4562/2011**
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : KOLMONG
- Taluka : BONAI
- Post office : MALDA
- Pin Code :
- FAX No. : 06767-276651
- E-mail : bbloffice@rungtamines.com
- Phone : 06767-276651
- (f) Police Station : Koira
- (g) First opening date : 01/09/1939
- (h) Weekly day of rest : TUE
2. Address for : KOLMONG MANGANESE MINE
correspondance VILL-KOLMONG, PO-KOIRA
DIST-SUNDERGARH
3. (a) Lease Number : ORI0197
- (b) Lease area : 218.83
- (c) Period of lease : 20
- (d) Date of Expiry : 31/12/1999
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : Rungta Mines Ltd
 Rungta House P.O.Chaibasa
 SINGHBHUM (WEST) JHARKHAND
 Phone:06582-56461,56561,56661,56761
 FAX :91-6582-56442

Owner : M/S Rungta Mines Ltd
 M/S Rungta Mines Ltd Rungta
 House At P.O.Chaibasa
 SINGHBHUM (WEST) JHARKHAND
 Phone: 06582- 56461,56
 FAX : 91- 6582 - 5644

Agent : A.S.MAHAPATRA
 Rungta Office, Main Road,
 Barbil Keonjhar, Orissa
 KEONJHAR ORISSA
 Phone: 06767-276651
 FAX : 06767-276651

Geologist

Name : Pramod Kumar Giri,Full Time
 Qualification : M.sc.
 Appointment/ : 01/01/2015
 Termination date

Manager

Name : Sanju Mahato
 Qualification : BE (Mining)
 Appointment/ : 20/12/2016
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	20/10/1999
Plan/Scheme of Mining		Modif.of approved Mining Plan	11/09/2007
		Mining Scheme rule 12 MCDR1988	28/03/2008
		Mining Scheme rule 12 MCDR1988	08/06/2010
		Modif.approved Mining Scheme	16/06/2014
		Mining Scheme rule 12 MCDR1988	02/03/2015
		Modif.of approved Mining Plan	29/08/2016
		MP modif under 17(3) MCR 2016	10/08/2018
		FMCP under 23C(1)	04/10/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	11 number of bore holes.	In 2017-18, total 45 number of bore holes have been drilled by lessee.	There is no backlog.
1b	Exploration over lease area for geological axis 1 or 2	G1/G2 Level of exploration.	In 2017-18, total 45 number of bore holes have been drilled by lessee under G1/G2 Level of exploration.	About 113.375 ha area has been explored uner G1/G2 level by putting 331 nos. of bore holes of total meterage 14579.20m.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	TIn 2017-18, total total cost incurred in drilling was Rs 6072836/-. Exploration agency involved in drilling was M/s Geovision Pvt Ltd and M/s V.K.S Mining Services.	Exploration agency involved in drilling was M/s Geovision Pvt Ltd and M/s V.K.S Mining Services.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified.	About 113.375 ha area has been explored uner G1/G2 level by putting 331 nos. of bore holes of total meterage 14579.20m. The unexplored area of 69.759 ha is under for surrender and 35.359 ha area consist of ST land.	About 113.375 ha area has been explored uner G1/G2 level by putting 331 nos. of bore holes of total meterage 14579.20m. The unexplored area of 69.759 ha is under for surrender and 35.359 ha area consist of ST land.

1e	Balance reserve as on 01/04/20	Balance reserve as per Modified mining plan approved on 29/08/2016 was 1482089T under proved (111) category and 269086T was under feasibility resources (211 & 333) category.	Balance reserve as on 01/04/2018 under 111 category was 1466063T of Mn ore and remaining resources under (211) category was 195755T.	Balance reserve as on 01/04/2018 under 111 category was 1466063T of Mn ore and remaining resources under (211) category was 195755T.
1f	General remarks of inspecting officers on geology, exploration etc	In 2017-18, total 11 number of bore holes have been proposed.	In 2017-18, total 45 number of bore holes have been drilled by lessee. About 113.375 ha area has been explored uner G1/G2 level by putting 331 nos. of bore holes of total meterage 14579.20m. The unexplored area of 69.759 ha is under for surrender and 35.359 ha area consist of ST land.	About 113.375 ha area has been expored uner G1/G2 level by putting 331 nos. of bore holes of total meterage 14579.20m. The unexplored area of 69.759 ha is under for surrender and 35.359 ha area consist of ST land.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Development is concentrated in four pits,New pit-S185 to S465 & E390 to E746, Quarry-6 & 7-N602 to N760 & E910 to E1300, Magazine Pit-N36-S100 & Dhandariya Pit-S500 to S734 & E1050-E1230, Magazine Pit-N36-S100 & E1040 to E150.	Development is concentrated in four pits,New pit-S185 to S465 & E390 to E746, Quarry-6 & 7-N602 to N760 & E910 to E1300, Dhandariya Pit-S500 to S734 & E1050-E1230, Magazine Pit-N36-S100 & E1040 to E150.	Development is concentrated in four pits,New pit-S185 to S465 & E390 to E746, Quarry-6 & 7-N602 to N760 & E910 to E1300, Dhandariya Pit-S500 to S734 & E1050-E1230, Magazine Pit-N36-S100 & E1040 to E150.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore with 4m height.	Separate benches in OB and ore with 4m height.	Separate benches in OB and ore with 4m height. No top soil generation is proposed.
2c	Stripping ratio or ore to OB ratio	1:6.60T/cu.m	1:7.25T/cu.m	Average stripping ratio varries due to irregular nature and pocket deposit of manganese ore.
2d	Quantity of topsoil generation in m3	Not proposed.	Nil.	There is no top soil generation.
2e	Quantity of overburden generation in m3	224733 cu.m	122479 cu.m	Less quantity of OB generated due to less production of ROM as proposed.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development is proposed in four pits i.e New pit,quarry 6&7, Dhandhariya pit and Mangazine pit.	Development is concentrated in four pit i.e New pit,quarry 6&7, Mangazine pit as per proposal.	Development is concentrated in four pit i.e New pit,quarry 6&7, Dhandhariya pit and Mangazine pit as per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	04 pits.	Working is concentrated in four pit i.e New pit,quarry 6&7, Dhandhariya pit and Mangazine pit.	Working is concentrated in four pit i.e New pit,quarry 6&7, Dhandhariya pit and Mangazine pit.
3b	Quantity of ROM mineral production proposed	34000 T	ROM production reported in 2017-18 is 9923.784T	ROM production reported in 2017-18 is 9923.784T
3c	Recovery of sailable/usable mineral from ROM production	Recovery of saleable ore 90% of total ROM.	Recovery of saleable ore 90% of total ROM.	Recovery of saleable ore 90% of total ROM.
3d	Quantity of mineral reject generation	3400T	Mineral reject generated is 246T.	Mineral reject generation is less due to less ROM production.
3e	Grade of mineral rejects generation and threshold value declared.	10-25% Mn	Grade of Mineral reject generated is 17.50% Mn.	Grade of Mineral reject generated is 17.50% Mn.
3f	Quantity of sub grade mineral generation.	3400T	Mineral reject generated is 246T.	Mineral reject generated is 246T.
3g	Grade of sub grade mineral generation	10-25% Mn	Grade of Mineral reject generated is 17.50% Mn.	Grade of Mineral reject generated is 17.50% Mn.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Manual method is being practiced.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Nil.	Only manual sorting is 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 (HYDRAULIC), 0.900 CUM-1, TIPPER, 10.0 CUM-5, Rock Breaker-1.	SHOVEL (HYDRAULIC), 0.900 CUM-2, TIPPER, 12.0 CUM-6, DOZER 175.0HP-1.	Excavator, Loader and Dumper are equipped to winning out the mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height- 4m	Bench height is suitably matched with the excavator.	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation/pits	43.677 ha during approved plan period.	About 34.479 ha. has been covered under excavation pits.	About 34.479 ha. has been covered under excavation pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:6.60T/cu.m	1:7.25T/cu.m	Average stripping ratio varies due to irregular nature and pocket deposit of manganese ore.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pit-43.677 ha, waste dump-11.0 ha, Plant, residential & building, roads-3.891ha & Mineral storage, plantation & others -12.51 ha.	Area covered under different heads are Pit-34.479 ha, waste dump-6.660 ha, Plant, residential & building, roads-3.251ha & others -8.510 ha.	Area covered under different heads are Pit-34.479 ha, waste dump-6.660 ha, Plant, residential & building, roads-3.251ha & others -8.510 ha.

3p	Production of ROM mineral during the last five year period as applicable	2015-16: 25376T 2016-17:30085T 2017-18: 34000T	2015-16: 10641.433T 2016-17:9569.336T 2017-18: 9923.784T	ROM Production is less due to low market demand.
3q	General remarks of inspecting officers on method of mining etc.	DTH drilling of 110mm dia. Blast hole with emulsion/slurry explosive as coloumn charge and booster alongwith delay detonator.	The ROM production has been carried out from four pit i.e New pit,quarry 6&7, Dhandhariya pit and Mangazine 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 four pit i.e New pit,quarry 6&7, Dhandhariya pit and Mangazine pit as per proposal.

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.	Overbureden generated during mining operation has been back filled in quarry 6 & 7 and partially on dump-1 & 3.	There is no top soil generation.
4b	Location of topsoil, OB and mineral reject dumps	Dump-1, S190 to S462 & E82 to E423 & Dump-3, S225 to S474 & E1060 to E1211, MR dump: S550-650 & E720-820.	Overbureden generated during mining operation has been back filled in quarry 6 & 7 and partially on dump-1 (S190 to S462 & E82 to E423) & dump-3 (S225 to S474 & E1060 to E1211). MR dump: S550-650 & E720-820.	Overbureden generated during mining operation has been back filled in quarry 6 & 7 and partially on dump-1 (S190 to S462 & E82 to E423) & dump-3 (S225 to S474 & E1060 to E1211).
4c	Number of dumps within lease area and outside of lease area	02 dumps.	There are two active dumps lies within lease area. Dump-1, S190 to S462 & E82 to E423, Dump-2, N578 -N673 & E634 to E707.	There are three dumps lies within lease area, two active dumps and one inactive dump.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump-1, S190 to S462 & E82 to E423, & Dump-3, S225 to S474 & E1060 to E1211.	Dump-1, S190 to S462 & E82 to E423, Dump-2, N578 -N673 & E634 to E707, & Dump-3, S225 to S474 & E1060 to E1211. There are three dumps are lies beyond ultimate pit limit.	Dump-1, S190 to S462 & E82 to E423, Dump-2, N578 -N673 & E634 to E707, & Dump-3, S225 to S474 & E1060 to E1211. There are three dumps are lies beyond ultimate pit limit.
4e	Number of active and alive dumps.	02 dump.	At present there are 02 active dump i.e dump-1 & dump-3.	At present there are 02 active dump i.e dump-1 & dump-3.
4f	Number of dead dumps.	Not proposed.	There is one dead dump.	There is one dead dump.
4g	Number of dumps established.	Nil.	The dead dump is stabilised by plantation.	The dead dump is stabilised by plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall 175 m x 1.5 m x 1.5 m	Retaining wall and garland drain as proposed around dump-D2 has been completed.	Retaining wall and garland drain as proposed around dump-D2 has been completed.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall 175 m x 1.5 m x 1.5 m	Retaining wall and garland drain as proposed around dump-D2 has been completed.	Retaining wall and garland drain as proposed around dump-D2 has been completed.
4j	Number of settling ponds	Not proposed.	Nil.	There are 02 settling ponds exist in the lease area.
4k	Specific comments of inspecting officer on waste dump management	Separate dumping for overburden and mineral reject.	Separate dumping for overburden and mineral reject have been maintained. Slope of the dump has been stabilised by plantation. The retaining wall and garland drain has been constructed around the dump.	Slope of the dump has been stabilised by plantation. The retaining wall and garland drain has been constructed around the dump.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
5b	Area under backfilling of mined out area	Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	About 0.5 ha area of part of quarry 6&7 has been backfilled.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	Nil.	No top soil generation is proposed.
5d	Total area fully reclaimed and rehabilitated	Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling of 0.5 ha area of part of quarry 6&7.	Total 0.84 ha area of the quarry 6 & 7 has been backfilled and afforestation has been carried out along slope of waste dump & safety zone.	Total 0.84 ha area of the quarry 6 & 7 has been backfilled and afforestation has been carried out along slope of waste dump & safety zone.

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) .	Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
6c	afforestation done (ha).	1.0 ha.	In 2017-18, total area cover under afforestation is about 1.0 ha.	In 2017-18, total area cover under afforestation is about 1.0 ha.

6d	No. of saplings planted during the year	8800 saplings.	In 2017-18, total 23464 nos. of saplings have been planted by lessee.	In 2017-18, total 23464 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 117900.	Cumulative nos. of saplings planted in the lease area is about 117900.
6f	Any other method of rehabilitation	Only Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
6g	Cost incurred on watch and care during the year	Not specified.	Around Rs 2.10 lakh cost incurred on watch and care.	Around Rs 2.10 lakh cost incurred on watch and care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Only Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Only Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Only Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Only Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Only Backfilling of 0.5 ha area of part of quarry 6&7.	About 0.5 ha area of part of quarry 6&7 has been backfilled.	Cumulative 0.84 ha area of part of quarry 6&7 has been backfilled.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	Nil.	Nil.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Nil	Nil.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Nil.	Nil.
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.	Backfilling of 0.5 ha area of part of quarry 6&7.	Total 0.84 ha area of the quarry 6 & 7 has been backfilled and afforestation has been carried out along slope of waste dump & safety zone.	Total 0.84 ha area of the quarry 6 & 7 has been backfilled and afforestation has been carried out along slope of waste dump & safety zone.

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 practiced.	Gradewise sorting is practiced.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual sorting is practiced.	Manual sorting is practiced.
7c	Different grade of mineral sorted out at mines.	25% to 46% Mn and +46% Mn.	25% to 46% Mn and +46% Mn.	25% to 46% Mn and +46% Mn.
7d	Any beneficiation process at mines .	Not proposed.	Nil.	Only manual sorting is practiced.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Gradewise sorting of 25% to 46% Mn and +46% Mn.	Cut off grade of Mn ore for the mine is +25%. Different grades of minerals sorted out at mines are +10% to 46% & above of Mn .	Cut off grade of Mn ore for the mine is +25%. Different grades of minerals sorted out at mines are +10% to 46% & above of Mn .

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Nil.	No top top soil generation is proposed.
8b	Concurrent use or storage of topsoil	Not proposed.	Nil.	No top top soil generation is proposed.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB/Waste proposed to backfilling and part dumped at dump-1&3.	The OB generated has been backfilled in part of quarry 6 & 7 and partially dumped at dump 1 & 3.	The OB generated has been backfilled in part of quarry 6 & 7 and partially dumped at dump 1 & 3.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling of part of quarry 6&7.	The OB generated has been backfilled in part of quarry 6 & 7 and partially dumped at dump 1 & 3.	The OB generated has been backfilled in part of quarry 6 & 7 and partially dumped at dump 1 & 3.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling of part of quarry 6&7.	The OB generated has been backfilled in part of quarry 6 & 7 and partially dumped at dump 1 & 3.	The OB generated has been backfilled in part of quarry 6 & 7 and partially dumped at dump 1 & 3.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposed along the slope of waste dump & on the dump.	Total 23464 nos. saplings have been planted in 2017-18.	Cumulatively 117900 nos. saplings have been planted by lessee.
8g	Survival rate	Not specified.	As reported survival rate is 85%.	As reported survival rate is 85%.
8h	Water sprinkling on roads to control airborne dust	Two water sprinkler.	Two water sprinkler are used to control air borne dust.	Two water sprinkler are used to control air borne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	In 2017-18, total 8500 nos. of saplings have been proposed.	In 2017-18, total 23464 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 117900 nos.	Aesthetic beauty in and around mined area is maintained by plantation.

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, Geologist-1, Surveyor-1	Graduate Mining Engineer-1, Geologist-1, Surveyor-1	Graduate Mining Engineer-1, Geologist-1, Surveyor-1

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under different heads are Pit-34.479 ha, waste dump-6.660 ha, Plant, residential & building, roads-3.251ha & others - 8.510 ha.	Area covered under different heads are Pit-34.479 ha, waste dump-6.660 ha, Plant, residential & building, roads-3.251ha & others -8.510 ha.	Area covered under different heads are Pit-34.479 ha, waste dump-6.660 ha, Plant, residential & building, roads-3.251ha & others -8.510 ha.
9d	Scrutiny of Annual return on afforestation	Total 23464 nos. saplings have been planted in 2017-18.	Total 23464 nos. saplings have been planted in 2017-18.	Total 23464 nos. saplings have been planted in 2017-18.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	246T, 17.5% Mn	246T, 17.5% Mn	246T, 17.5% Mn
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock maintained below 25% Mn, 25-46% Mn and above 46%.	Closing stock maintained below 25% Mn, 25-46% Mn and above 46%.	Closing stock maintained below 25% Mn, 25-46% Mn and above 46%.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- 7615.04/T Ex mine price: Below 25% Mn: Rs 2616.50 25% to below 35% Mn: Rs 6500.20 35% to below 46% Mn : Rs 14493.64 46% Mn and above: Rs 22000.00	Cost of production- 7615.04/T Ex mine price: Below 25% Mn: Rs 2616.50 25% to below 35% Mn: Rs 6500.20 35% to below 46% Mn : Rs 14493.64 46% Mn and above: Rs 22000.00	Cost of production- 7615.04/T Ex mine price: Below 25% Mn: Rs 2616.50 25% to below 35% Mn: Rs 6500.20 35% to below 46% Mn : Rs 14493.64 46% Mn and above: Rs 22000.00
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets: Rs 6073230/-	Value of Fixed Assets: Rs 6073230/-	Value of Fixed Assets: Rs 6073230/-

9k	Scrutiny of Annual return on mining machineries	BACK HOE-2, OTHER HEM MACHINERY-1, DUMPER-6, DOZER-1	BACK HOE-2, OTHER HEM MACHINERY-1, DUMPER-6, DOZER-1	BACK HOE-2, OTHER HEM MACHINERY-1, DUMPER-6, DOZER-1
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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 14(2)	15/02/2019	25/03/2019			

Date :

(DAYANAND UPADHYAY)

Indian Bureau of Mines