

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-BXT/SNG/MCDR-2/BBS

Mine code : 30ORI13023

- (i) Name of the Inspecting : U11) DAYANAND UPADHYAY
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri S.K.Garnaik, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 12/08/2019 .
- (v) Prev.inspection date : 03/10/2018

PART-I : GENERAL INFORMATION

1. (a) Mine Name : SAN INDPUR
- (b) Registration NO. : IBM/4585/2011
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ORISSA
District : SUNDARGARH
Village : SAN INDUPUR
Taluka : BONAI
Post office : PATAMUNDA
Pin Code :
FAX No. : 06767-276161
E-mail : rungtas@rungtamines.com
Phone : 09437077202
- (f) Police Station : Koira
- (g) First opening date : 01/08/1989
- (h) Weekly day of rest : SAT
2. Address for correspondence : SANINDPUR IRON &BUXITE MINES
VILL-SAINDPUR.PO-PATMUNDA
DIST-SUNDERGARH
3. (a) Lease Number : ORI0147
- (b) Lease area : 147.1
- (c) Period of lease : 50
- (d) Date of Expiry : 05/09/2035
4. Mineral worked : BAUXITE Associated,
IRON ORE Main

5. Name and Address of the

Lessee : M/s Rungta Sons (P) Ltd
 Rungta House P.O.
 Chaisabasa SINGHBHUM
 (WEST) JHARKHAND
 Phone:(06582) 56861/56761
 FAX :91 6582 56442

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

Agent : A. S. Mahapatra
 Rungta office, Main Road
 Barbil Disr-Keonjhar
 KEONJHAR ORISSA
 Phone: 06767-276441
 FAX : 06767-275481

Mining Engineer

Name : Laxkhan Saw, Full Time
 Qualification : AMIE (Mining)
 Appointment/ : 14/04/2014
 Termination date

Geologist

Name : D.K.Naik, Full Time
 Qualification : MSc (Geology)
 Appointment/ : 01/11/2015
 Termination date

Manager

Name : S K GARNAIK
 Qualification : AMIE MINING, 1ST CLASS CERTIFICATE OF CC
 Appointment/ : 17/11/2008
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	09/06/2003
		Renewal under rule 24 MCR1960	14/03/2006
		Modif.of approved Mining Plan	25/02/2010
		Mining Scheme rule 12 MCDR1988	28/05/2010
		Modif.approved Mining Scheme	31/07/2013
		FMCP under 23C(1)	20/01/2015
		Mining Scheme rule 12 MCDR1988	26/02/2015
		MP modif under 17(3) MCR 2016	27/12/2016
	MP modif under 17(3) MCR 2016	18/07/2018	

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	36 number of bore holes.	In 2018-19, total 07 numbers of bore holes have been drilled by lessee.	The proposed bore holes falls within forest land which diversification is under process. Due to non-diversification of forest land proposed bore holes not completed. Deviation is pointed out through violation letter.
1b	Exploration over lease area for geological axis 1 or 2	G1 Level of exploration.	In 2018-19, total 07 numbers of bore holes have been drilled by lessee under G1 Level of exploration.	The proposed bore holes falls within forest land which diversification is under process. Due to non-diversification of forest land proposed bore holes not completed. Deviation is pointed out through violation letter.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration agency not specified prior to execute of proposed drilling.	Exploration agency involved in drilling was Geotech India (P) Ltd. A sum of amount Rs. 1236876.00 is spent towards the exploration	In 2018-19, total 07 numbers of bore holes have been drilled by lessee under G1 Level of exploration. Due to non-diversification of forest land proposed bore holes not completed. Deviation is pointed out through violation letter.

1d	Balance area to be explored to bring Geological axis in 1 or 2	About 52.354 Ha ha area has been proposed to explore upto the end of 2019-20.	The proposed bore holes falls within forest land which diversification is under process. Due to non-diversification of forest land proposed bore bore holes not completed.	Total 94.746 ha lease area has been explored under G1 level by putting 201 nos. of bore holes of total meterage 11528.71m
1e	Balance reserve as on 01/04/20	Balance reserve as per Modification of review of mining plan approved on 18/07/2018 was: Iron ore- 54.997Million Tonnes under proved (111) category and 10.169 Million Tonnes was under feasibility resources (211) category, Bauxite ore: 1.72 Million Tonnes resources under (333) category.	Balance reserve as on 01/04/2019 under 111 category was 52.90Million Tonnes of Iron ore and 10.169 Million Tonnes was under feasibility resources (211) category, Bauxite ore: 1.72 Million Tonnes resources under (333) category.	Balance reserve as on 01/04/2019 under 111 category was 52.90Million Tonnes of Iron ore and 10.169 Million Tonnes was under feasibility resources (211) category, Bauxite ore: 1.72 Million Tonnes resources under (333) category.

1f	General remarks of inspecting officers on geology, exploration etc	In 2018-19, total 36 number of bore holes was proposed.	In 2018-19, total 07 numbers of bore holes have been drilled by lessee. The proposed bore holes falls within forest land which diversification is under process. Due to non-diversification of forest land proposed bore bore holes not completed.	Total 94.746 ha lease area has been explored under G1 level by putting 201 nos. of bore holes of total meterage 11528.71m. The proposed bore holes falls within forest land which diversification is under process. Due to non-diversification of forest land proposed bore bore holes not completed. Deviation is pointed out through violation letter.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	C-Top Quarry N1113- E50, N997-W554& N313- E255, N558-E534	C-Top Quarry, N335-960 & E489-W224	Development is within the approved proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore, top soil bench- nil.	Separate benches in OB and ore have been maintained.	There are 2no of OB bench & 6 no of ore benches are developed. No Top soil benches proposed.
2c	Stripping ratio or ore to OB ratio	1:0.11T/cu.m	1:0.05 T/cu.m	Average stripping ratio varies due to irregular nature of ore deposit & less ROM production due to want of EC for enhance quantity.

2d	Quantity of topsoil generation in m3	Not proposed.	No top soil generation as the ROM proposed form broken up area.	There is no top soil generation.
2e	Quantity of overburden generation in m3	799310 Cum	144510.465 Cum	ROM production is restricted to valid EC quantity 4.5 million tonne against the approved proposal of 8.06 Million Tonnes. Therefore OB generation is less.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development is proposed in single pit.	The development is concentrated in single pit and bench height is maintained 9m as per proposal.	ROM production is restricted to valid EC quantity 4.5 million tonne against the approved proposal of 8.06 Million Tonnes. Therefore OB generation is less than proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit.	Working is concentrated in single pit C-Top Quarry as proposed.	Working is concentrated in single pit C-Top Quarry as proposed.
3b	Quantity of ROM mineral production proposed	Insitu ROM 7 Million Tonnes & 1.06 Million Tonnes from Dump re-handling.	ROM production reported in 2018-19 is 2.849Million Tonnes & 0.615 Million Tonnes from Dump rehandling.	ROM production is restricted to valid EC quantity 4.5 million tonne against the approved proposal of 8.06 Million Tonnes.
3c	Recovery of sailable/usable mineral from ROM production	Recovery of insitu Iron ore-63,00,000 T & Dump re-handling-320000 T	Recovery of insitu Iron ore 2.849Million Tonnes & 0.615 Million Tonnes from Dump rehandling.	ROM production is restricted to valid EC quantity 4.5 million tonne against the approved proposal of 8.06 Million Tonnes.

3d	Quantity of mineral reject generation	Mineral reject- 7,00,000 T	Total ROM is saleable after blending of Mineral reject at site.	Total ROM is saleable after blending of Mineral reject at site.
3e	Grade of mineral rejects generation and threshold value declared.	45%-55% Fe	Total ROM is saleable after blending of Mineral reject at site.	Total ROM is saleable after blending of Mineral reject at site.
3f	Quantity of sub grade mineral generation.	Mineral reject- 7,00,000 T	Total ROM is saleable after blending of Mineral reject at site.	Total ROM is saleable after blending of Mineral reject at site.
3g	Grade of sub grade mineral generation	45%-55% Fe	Total ROM is saleable after blending of Mineral reject at site.	Total ROM is saleable after blending of Mineral reject at site.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised method is adopted.	Mechanised method is adopted.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Wet beneficiation plants of 250tph.	Wet beneficiation plants of 250tph is installed in lease area to upgrade the low grade ore of 45% to 58% Fe.	Wet beneficiation plants of 250tph is installed in lease area to upgrade the low grade ore of 45% to 58% Fe.
3j	Provision of drilling and blasting in mineral benches	DTH drilling of 110mm dia. Blast hole with emulsion/slurry explosive as coloumn 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 coloumn 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 coloumn charge and booster alongwith delay detonator.

3k	Provision of mining machineries in mineral benches	Shovel dumper combination.	Shovel dumper combination are practiced to excavation ore and OB. machaneries available at site are: SHOVEL (HYDRAULIC) 0.6/0.9/1.4/2.9 cu.m-21, FRONT END LOADER 2.0 cu.m-19, DUMPER 10/25/35T-63, DOZER-2, GRADER-1, CRUSHER 100/150.000 T/H-3.	Shovel dumper combination are practiced to excavation ore and OB.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height-9m	Bench height is suitably matched with the excavator.	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation/pits	52.11 ha	About 29.23 ha area has been covered under excavation pits.	About 29.23 ha area has been covered under excavation pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11T/cu.m	1:0.05 T/cu.m	Average stripping ratio varies due to irregular nature of ore deposit & less ROM production due to want of EC for enhance quantity.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pit-52.11 ha, waste dump-21.20 ha, building-2.0, roads-2.0 ha, Mineral storage-8.84, Plant-3.618, plantation & others -0.65 ha.	Area under mining: 29.23 Ha. Waste dump site: 16.16Ha. Mineral Storage, Tailing pond & beneficiation plant: 20.07Ha.: 2.84 Ha. ,buildings, office & roads :7.068, & Plantation:2.0Ha.	Area under mining: 29.23 Ha. Waste dump site: 16.16Ha. Mineral Storage, Tailing pond & beneficiation plant: 20.07Ha.: 2.84 Ha. ,buildings, office & roads :7.068, Plantation:2.0Ha.

3p	Production of ROM mineral during the last five year period as applicable	2014-15 :4500000 MT 2015-16 :4500000 MT 2016-17 :4500000 MT 2017-18 :4500000 MT 2018-19 :4500000 MT	2014-15 :2340281.140 MT 2015-16 :2600040.550 MT 2016-17 :2565081.880 MT 2017-18 :2932846.060 MT 2018-19 :3465386.070 MT	ROM production is restricted to valid EC quantity 4.5 million tonne against the approved proposal of 8.06 Million Tonnes.
3q	General remarks of inspecting officers on method of mining etc.	Excavation of ROM has been proposed in single pit, C-Top Quarry.	The ROM production has been carried out in single pit, C-Top Quarry. 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 in single pit, C-Top Quarry 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 proposed for beneficiation , top soil not proposed.	In Dump-B ,the dumping has been done.	There is no top soil generation. Mineral reject generation not reported as it is blended with high grade ore.
4b	Location of topsoil, OB and mineral reject dumps	Dump-B, W160 to W420;N480 to N800 and Dump-D, W1000 to W 1390;N855 to N1100	Dumping has been done on Dump-B, W160 to W420;N480 to N800. OB Dump-D as proposed not created.	Deviation of OB Dump-D pointed out through violation letter.
4c	Number of dumps within lease area and outside of lease area	Dump-B, W160 to W420;N480 to N800 and Dump-D, W1000 to W 1390;N855 to N1100	There three OB dumps within lease area: DumpA :N242-452 & E279-W40 DumpB :N420-800 & W160-506 DumpC :N769-1109 & E44-556	There three OB dumps within lease area: DumpA :N242-452 & E279-W40 DumpB :N420-800 & W160-506 DumpC :N769-1109 & E44-556

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump-B, W160 to W420;N480 to N800 and Dump-D, W1000 to W 1390;N855 to N1100	There three OB dumps within lease area: DumpA :N242-452 & E279-W40 DumpB :N420-800 & W160-506 DumpC :N769-1109 & E44-556	Dupm-A and B, C partly lies within UPL hwere dump rehandling have been proposed by lessee to upgrade low grade ore by screening and wet beneficiation.
4e	Number of active and alive dumps.	02 (Dump-B & D)	01 active dump-B. OB Dump-D as proposed not created.	Deviation of OB Dump-D pointed out through violation letter.
4f	Number of dead dumps.	01 (Dump-C)	01 (Dump-C)	Dead dump-C is partially rehabilitated by plantation.
4g	Number of dumps established.	01 (Dump-C)	Dead dump-C is partially rehabilitated by plantation.	Dead dump-C is partially rehabilitated by plantation.
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall and garland drain 820 m X 1.5 m X 1.0 m around dump-D.	Proposed Dump-D not created therefore retaining wall and garland drain not made as proposed.	Deviation is pointed out through violation letter.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall and garland drain 820 m X 1.5 m X 1.0 m around dump-D.	Proposed Dump-D not created therefore retaining wall and garland drain not made as proposed.	Deviation is pointed out through violation letter.
4j	Number of settling ponds	01	Proposed Dump-D not created therefore settling pond not made as proposed.	Deviation is pointed out through violation letter.
4k	Specific comments of inspecting officer on waste dump management	Dump-B, W160 to W420;N480 to N800 and Dump-D, W1000 to W 1390;N855 to N1100	Dumping has been done on Dump-B, W160 to W420;N480 to N800. OB Dump-D as proposed not created.	Deviation of Dump-D is pointed out through violation letter.

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.	Not proposed as pit is not exhausted.	Pit is not matured for backfilling.	Pit is not matured for backfilling.
5b	Area under backfilling of mined out area		Pit is not matured for backfilling.	Pit is not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed as pit is not exhausted.	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 pit is not exhausted.	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 pit is not exhausted.	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 pit is not exhausted.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation.
6c	afforestation done (ha).	3.0 ha	In 2018-19, total area cover under afforestation is about 3.0 ha.	In 2018-19, total area cover under afforestation is about 3.0 ha.
6d	No. of saplings planted during the year	15000 nos of saplings.	In 2018-19, 30000 nos. of plantation has been done.	In 2018-19, 30000 nos. of plantation has been done.

6e	Cumulative no .of plants	Not specified.	Cumulative nos. of saplings planted in the lease area is about 202222.	Cumulative nos. of saplings planted in the lease area is about 202222.
6f	Any other method of rehabilitation	Not proposed as pit is not exhausted.	Pit is not matured for reclamation and rehabilitation.	Pit is not matured for reclamation and rehabilitation. Slope of the dumps are rehabilitated by plantation.
6g	Cost incurred on watch and care during the year	Not specified.	Around Rs 7.5 lakh cost incurred on watch and care.	Around Rs 7.5 lakh cost incurred on watch and care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed as pit is not exhausted.	Pit is not matured for backfilling.	Pit is not matured for backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed as pit is not exhausted.	Pit is not matured for backfilling.	Pit is not matured for backfilling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not proposed as pit is not exhausted.	Pit is not matured for backfilling.	Pit is not matured for backfilling.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed as pit is not exhausted.	Pit is not matured for backfilling.	Pit is not matured for backfilling.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed as pit is not exhausted.	Pit is not matured for backfilling.	Pit is not matured for backfilling.

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	Nil.	There is no proposal of rehabilitation of waste land.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Nil.	There is no proposal of rehabilitation of waste land.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Nil.	There is no proposal of rehabilitation of waste land.
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 not proposed as pit is not exhausted.	Pit is not matured for backfilling. Slope of the dumps are rehabilitated by plantation.	Pit is not matured for backfilling. Slope of the dumps are rehabilitated by plantation.

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.	Mechanised.

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 .	Wet beneficiation plants of 250tph.	Wet beneficiation plants of 250tph is installed in lease area to upgrade the low grade ore of 45% to 58% Fe.	Wet beneficiation plants of 250tph is installed in lease area to upgrade the low grade ore of 45% to 58% Fe.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Gradewise sorting 45% to 55% Fe and +55% Fe.	Different grades of minerals sorted out at mines are 45% to 55% Fe and +55% Fe. Wet beneficiation plants of 250tph is installed in lease area to upgrade the low grade ore of 45% to 58% Fe.	Different grades of minerals sorted out at mines are 45% to 55% Fe and +55% Fe. Wet beneficiation plants of 250tph is installed in lease area to upgrade the low grade ore of 45% to 58% Fe.

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)	Separate dumping for overburden and mineral reject proposed for beneficiation , top soil not proposed.	In Dump-B ,the dumping has been done.	In Dump-B ,the dumping has been done.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed as pit is not exhausted.	Pit is not matured for backfilling.	Pit is not matured for backfilling.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	15000 nos of saplings.	In 2018-19, 30000 nos. of plantation has been done.	In 2018-19, 30000 nos. of plantation has been done.
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	Water tanker are proposed for dust suppression on haul road.	3.75 km length of fixed water sprinklers and Six nos of water tanker of 12 KL has been deployed to control dust on haul road.	3.75 km length of fixed water sprinklers and Six nos of water tanker of 12 KL has been deployed to control dust on haul road.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	15000 nos. of plantation on dump-B.	Aesthetic beauty in and around mines area is maintained by plantation. In 2018-19, total 15000 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 202222 nos.	Aesthetic beauty in and around mines area is maintained by plantation.

Compliance of Rule 45:

Sl.No.	Item	Proposals	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 submitted.	The employment status of mining engineer, geologist & mine manager have been furnished in the annual return submitted.	The employment status of mining engineer, geologist & mine manager have been furnished in the annual return submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining: 29.23 Ha. Waste dump site: 16.16Ha. Mineral Storage, Tailing pond & beneficiation plant: 20.07Ha.: 2.84 Ha. ,buildings, office & roads :7.068, Plantation:2.0 Ha.	Area under mining: 29.23 Ha. Waste dump site: 16.16Ha. Mineral Storage, Tailing pond & beneficiation plant: 20.07Ha.: 2.84 Ha. ,buildings, office & roads :7.068, Plantation:2.0Ha.	Area under mining: 29.23 Ha. Waste dump site: 16.16Ha. Mineral Storage, Tailing pond & beneficiation plant: 20.07Ha.: 2.84 Ha. ,buildings, office & roads :7.068, Plantation: 2.0Ha.
9d	Scrutiny of Annual return on afforestation	In 2018-19, 30000 nos. of plantation has been done.	In 2018-19, 30000 nos. of plantation has been done.	In 2018-19, 30000 nos. of plantation has been done.
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: Lumps:- 2.722(+65%) 151334.247(-65%) 92168.520(-62% to 60%Fe) Fines:- 502.758(+65%) 90660.294(-65%) 1043050.170(-62% to 60%Fe)	Closing stock: Lumps:- 2.722(+65%) 151334.247(-65%) 92168.520(-62% to 60%Fe) Fines:- 502.758(+65%) 90660.294(-65%) 1043050.170(-62% to 60%Fe)	Closing stock: Lumps:- 2.722(+65%) 151334.247(-65%) 92168.520(-62% to 60%Fe) Fines:- 502.758(+65%) 90660.294(-65%) 1043050.170(-62% to 60%Fe)

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price:(Lump) 60% to below 62%: Rs 3230.84 62%: Rs 3230.84 62% to below 65%: Rs 5036.67 Fines: 60% to below 62%: Rs 1311.30 62% to below 65%: Rs 2228.95 Production Cost: Rs 931.05	Ex mine price:(Lump) 60% to below 62%: Rs 3230.84 62% to below 65%: Rs 5036.67 Fines: 60% to below 62%: Rs 1311.30 62% to below 65%: Rs 2228.95 Production Cost: Rs 931.05	Ex mine price:(Lump) 60% to below 62%: Rs 3230.84 62% to below 65%: Rs 5036.67 Fines: 60% to below 62%: Rs 1311.30 62% to below 65%: Rs 2228.95 Production Cost: Rs 931.05
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs) 1308219880	Value of Fixed Assets (in Rs) 1308219880	Value of Fixed Assets (in Rs) 1308219880
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 0.6/0.9/1.4/2.9 cu.m- 21, FRONT END LOADER 2.0 cu.m-19, DUMPER 10/25/35T-63, DOZER-2, GRADER-1, CRUSHER 100/150.000 T/H-3.	SHOVEL (HYDRAULIC) 0.6/0.9/1.4/2.9 cu.m- 21, FRONT END LOADER 2.0 cu.m-19, DUMPER 10/25/35T-63, DOZER-2, GRADER-1, CRUSHER 100/150.000 T/H-3.	SHOVEL (HYDRAULIC) 0.6/0.9/1.4/2.9 cu.m- 21, FRONT END LOADER 2.0 cu.m-19, DUMPER 10/25/35T-63, DOZER-2, GRADER-1, CRUSHER 100/150.000 T/H-3.

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

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	19/08/2019			
MCDR17	Rule 45(7)(a)	19/08/2019			

Date : 26.11.2019

Dayanand Upadhyay
(DAYANAND UPADHYAY) 26.11.2019

Indian Bureau of Mines