

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/SNG/MCDR-6/BBS

Mine code : 30ORI13034

- (i) Name of the Inspecting : U11) DAYANAND UPADHYAY
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri P.K. Sahoo, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 13/08/2019
- (v) Prev.inspection date : 24/09/2015

PART-I : GENERAL INFORMATION

1. (a) Mine Name : RAIKELA
- (b) Registration NO. : IBM/5796/2011
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ORISSA
District : SUNDARGARH
Village : RAIKELA
Taluka : BONAI
Post office : DENGULA
Pin Code :
FAX No. : 06767-275795
E-mail : sahuo_ore@yahoo.co.in
Phone : 06767-275520
- (f) Police Station : Koira
- (g) First opening date : 23/08/1993
- (h) Weekly day of rest : SUN
2. Address for : VILL. RAIKELA, PO DENGULA
correspondance : POLICE STATION. KOIRA DIST. SUNDERGARH
ORISSA, PIN-770048 PHONE. 30896
3. (a) Lease Number : ORI0143
- (b) Lease area : 67.59
- (c) Period of lease : 50
- (d) Date of Expiry : 01/07/2041
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : G.R MOHANTY
 AT/PO BARBIL KEONJHAR
 ORISSA
 Phone: 06767-~~275520~~ 30795, ~~30895~~
 FAX : 06767-275795

Owner : SRINIVAS SAHOO
 AT/PO. STATION ROAD BARBIL
 KEONJHAR ORISSA
 Phone: 06767-~~45896~~
 FAX : 06767-~~45896~~ 275795

Geologist

Name : PRADEEPT MOHAPATRA, Full Time
 Qualification : MSC (GEOLOGY)
 Appointment/ : 09/04/2019
 Termination date

Manager

Name : P.K.SAHOO
 Qualification : AMIE MINING
 Appointment/ : 03/09/2002
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	11/10/1999
Plan/Scheme of Mining	:	Modif. approved Mining Scheme	08/05/2003
	:	Mining Scheme rule 12 MCDR1988	17/02/2005
	:	Mining Scheme rule 12 MCDR1988	22/03/2010
	:	Modif. of approved Mining Plan	15/06/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	15 number of bore holes in 2018-19.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
1b	Exploration over lease area for geological axis 1 or 2	G1 Level of exploration.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
1d	Balance area to be explored to bring Geological axis in 1 or 2	About 14 ha during scheme period under G1 level of exploration.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
1e	Balance reserve as on 01/04/20	As per Scheme of Mining, approved on 15/06/2016, Proved Reserve- 34.001 MT & Resources- 20.473MT	Balance reserve as on 01/04/2019: Proved Reserve- 34.001 MT & Resources- 20.473MT.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

1f	General remarks of inspecting officers on geology, exploration etc	15 number of bore holes wrer proposed in 2018-19.	Peoposed bore holes not drilled as the mines is not in operation since 16/11/2012 due to suspensjon of mining operation by IBM. Earlier out of 67.586 ha lease area about 53.578 ha area has been explored under G1/G2 level of exploration.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Top pit N-2419890 to 2420150 & E-311680 to 312030	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	All the benches proposed in ore. Benches in OB- Nil, top soil bench-nil.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
2c	Stripping ratio or ore to OB ratio	1:0.146	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

2d	Quantity of topsoil generation in m3	Not proposed as the surface is exposed with mineralised ore.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
2e	Quantity of overburden generation in m3	30233.50 cu.m	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	All the benches proposed in ore. Benches in OB- Nil, top soil bench-nil.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3b	Quantity of ROM mineral production proposed	864058 T	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

3c	Recovery of sailable/usable mineral from ROM production	618321T	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3d	Quantity of mineral reject generation	245737T	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3e	Grade of mineral rejects generation and threshold value declared.	45-58 % Fe	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3f	Quantity of sub grade mineral generation.	245737T	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3g	Grade of sub grade mineral generation	45-58 % Fe	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR- 06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation proposed except crushing and screening.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR- 06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3j	Provision of drilling and blasting in mineral benches	DTH drilling of 115mm dia. Blast hole with emulsion/slurr y exlposive as coloumn charge and booster alongwith delay detonator.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR- 06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3k	Provision of mining machineries in mineral benches	EXCAVATOR (HYDRAULIC) 0.9/3.0 cu.m- 4, LOADER 2.3/1.7 cu.m- 2, DUMPER 15/25.0/30T- 19, MOBILE CRUSHER 250.000 T/H-1, DTH 115mm dia- 1	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR- 06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height- 10m	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR- 06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

3m	Total area covered under excavation/pits	Total 31.138 ha proposed under excavation pit during approved plan period.	Mines is not in operation since 16/11/2012. Earlier area covered under excavation pit is 30.195 ha.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3n	Ore to OB ratio for the pit/mine during the year.	1:0.146	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pit-31.138 ha, Waste dump-2.150 ha, Mineral separation Plant-1.890, Infrastructure -0.20 ha, roads-2.90 ha, Mineral storage-3.568 ha.	Mines is not in operation since 16/11/2012. Total area already covered under different heads are Pit-30195 ha, Waste dump-2.00 ha, Mineral separation Plant-1.890, Infrastructure-0.20 ha, roads-2.90 ha, Mineral storage-3.568 ha.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
3p	Production of ROM mineral during the last five year period as applicable	2014-15= 1954637.50 T 2015-16= 2096887.50 T 2016-17= 864017.3T 2017-18= 864043.0T 2018-19= 864058.0T	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

3q	General remarks of inspecting officers on method of mining etc.	Excavation of ROM has been proposed in single pit.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for waste and mineral reject, top soil-nil.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4b	Location of topsoil, OB and mineral reject dumps	Waste dump:- N-2419780 to 2419925 & E-312233 to 312368 Mineral Reject:- N 2419620to 2419680 & E 312050 to 3121110	Nil, as the mines is not in operation since 16/11/2012.	There are one old waste dump and four mineral reject dumps exist in the lease area. Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4c	Number of dumps within lease area and outside of lease area	Waste dump:- N-2419780 to 2419925 & E-312233 to 312368 Mineral Reject:- N 2419620to 2419680 & E 312050 to 3121110	Nil, as the mines is not in operation since 16/11/2012. There are one old waste dump and four mineral reject dumps exist within the lease area.	There are one old waste dump and four mineral reject dumps exist within the lease area. Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste dump:- N-2419780 to 2419925 & E-312233 to 312368 Mineral Reject:- N 2419620to 2419680 & E 312050 to 3121110	Nil, as the mines is not in operation since 16/11/2012. There are one old waste dump outside UPL and four mineral reject dumps within UPL exist in the lease area.	There are one old waste dump and four mineral reject dumps exist within the lease area. Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4e	Number of active and alive dumps.	Waste dump:- N-2419780 to 2419925 & E-312233 to 312368 Mineral Reject:- N 2419620to 2419680 & E 312050 to 3121110	Nil, as the mines is not in operation since 16/11/2012. There are one old waste dump and four mineral reject dumps exist in the lease area.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4f	Number of dead dumps.	No dead dump proposal.	Nil, as the mines is not in operation since 16/11/2012. There are one old waste dump and four mineral reject dumps exist in the lease area. The slope of the waste dump has been established by plantation.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4g	Number of dumps established.	Waste dump:- N-2419780 to 2419925 & E-312233 to 312368 Mineral Reject:- N 2419620to 2419680 & E 312050 to 3121110	Nil, as the mines is not in operation since 16/11/2012. There are one old waste dump and four mineral reject dumps exist in the lease area. The slope of the waste dump has been established by plantation.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall-270m and garland drain-760m.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall-270m and garland drain-760m.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4j	Number of settling ponds	02nos.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
4k	Specific comments of inspecting officer on waste dump management	Separate dumping for waste and mineral reject, top soil-nil.	Nil, as the mines is not in operation since 16/11/2012. There are one old waste dump and four mineral reject dumps exist in the lease area. The slope of the waste dump has been established by plantation.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

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 the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
5b	Area under backfilling of mined out area	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
5d	Total area fully reclaimed and rehabilitated	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not specified.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6b	Area available for rehabilitation (ha) .	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6c	afforestation done (ha).	0.45 ha	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6d	No. of saplings planted during the year	720 nos. of saplings.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6e	Cumulative no .of plants	Not specified.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

6f	Any other method of rehabilitation	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6g	Cost incurred on watch and care during the year	Not specified.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Reclamation and rehabilitation not proposed as the mineralisation is continued.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
7c	Different grade of mineral sorted out at mines.	Saleable Ore:- +58% Fe, Mineral Reject:- 45 to 58 % Fe	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

7d	Any beneficiation process at mines	Not proposed except Screening and Crushing.	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Gradewise sorting. Saleable Ore:- +58% Fe, Mineral Reject:- 45 to 58 % Fe	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed as the mineralisation is exposed from surface.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
8b	Concurrent use or storage of topsoil	Not proposed as the mineralisation is exposed from surface.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping for waste and mineral reject.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed as the mineralisation is continued.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed as the mineralisation is continued.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	720 nos of saplings.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
8g	Survival rate	Not specified.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling is proposed on haul road to control airborne dust.	Nil, as the mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	720 nos of saplings in 2018-19	Mines is not in operation since 16/11/2012.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual returns for 2018-19 has been submitted by lessee.	Mines is not in operation since 16/11/2012 and information furnished in production and dispatched and other coloumns are nil.	Mines was suspended by IBM vide letter no. ORI/IRON/SNG/MCDR-06/BBS, dated 16/11/2012 due to non compliance of violation of rule 13(1).

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
MCDR17 Rule 46(a)	19/08/2019		

Date : 21.11.2019

Dayanand Upadhyay
(DAYANAND UPADHYAY)

Indian Bureau of Mines