

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON-MN/SNG/MCDR-19/BBS

**Mine code :** 40ORI13040

- (i) Name of the Inspecting : **SRM** ) **SHRI SUDIP RANJAN MAZUMDAR**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri H.S.Biswal, Sr.Manager Geology  
Official with  
Designation
- (iv) Date of Inspection : 05/12/2019
- (v) Prev.inspection date : 30/11/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SARKUNDA**
- (b) **Registration NO.** : **IBM/4583/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : SARKUNDA
- Taluka : BONAI
- Post office : BHUTADA
- Pin Code :
- FAX No. : 06767-276161
- E-mail : bbl.geology@feegradeandco.()
- Phone : 06767-277481
- (f) Police Station : Tensa
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : VILL-SARKUNDA  
correspondance PO-BHUTUDA  
DIST-SUNDERGARH
3. (a) Lease Number : ORI0194
- (b) Lease area : 393.56
- (c) Period of lease :
- (d) Date of Expiry : 19/12/2000
4. Mineral worked : MANGANESE ORE Main  
IRON ORE Associated

## 5. Name and Address of the

Lessee : FEEGRADE & CO. (P) LTD.  
 PO-BARBIL DIST-KEONJHAR  
 KEONJHAR ORISSA  
 Phone:  
 FAX :

Owner : M/S FEEGRADE & CO (P) LTD  
 PO-BARBIL DIST-KEONJHAR  
 KEONJHAR ORISSA  
 Phone: 06767277481  
 FAX : 06767276161

Agent : AUSA SANKAR MOHAPATRA  
 SUNDARGARH ORISSA  
 Phone: 06767276161  
 FAX : 06767277481

## Mining Engineer

Name : RANJAN KUMAR SINGH, Full Time  
 Qualification : AMIE (Mining)  
 Appointment/ : 22/03/2017  
 Termination date

## Geologist

Name : MANORANJAN JENA, Full Time  
 Qualification : M.Sc.(Geology)  
 Appointment/ : 01/06/2011  
 Termination date

## Manager

Name : RAJAN KUMAR SINGH  
 Qualification : AMIE (Mining)  
 Appointment/ : 22/03/2017  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	12/11/2008
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	12/07/2010
	:	Mining Scheme rule 12 MCDR1988	09/04/2015
	:	MP modif under 17(3) MCR 2016	26/12/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	In 2018-19, 407 numbers of boreholes have been proposed to be drilled.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
1b	Exploration over lease area for geological axis 1 or 2	In 2018-19, exploration proposed over balance 339.556 ha area with 407 nos of boreholes for G2 level of exploration	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified	In 2018-19, the proposed exploration have not been carried out. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
1d	Balance area to be explored to bring Geological axis in 1 or 2	In 2018-19, exploration proposed over balance 339.556 ha area with 407 nos of boreholes for G2 level of exploration	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

1e	Balance reserve as on 01/04/20	As per the modification of review of mining plan approved dated 26.12.2018, the reserve and resource as on 01.11.2018 is as follows: Manganese: Reserve is 1256703 tones and resources Nil. Total Reserve and Resource of Manganese Ore is 1256703 tones. Iron Ore: Reserve is 3975714 tones and resources Nil. Total Reserve and Resource of Iron Ore is 3975714 tones.	The mine is non-working and thus there was no depletion. Hence, 01.04.2019, the reserve and reources remains the same. Manganese: Reserve is 1256703 tones and resources Nil. Total Reserve and Resource of Manganese Ore is 1256703 tones. Iron Ore: Reserve is 3975714 tones and resources Nil. Total Reserve and Resource of Iron Ore is 3975714 tones.	The mine is non-operational. DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
1f	General remarks of inspecting officers on geology, exploration etc	In 2018-19, exploration proposed over balance 339.556 ha area with 407 nos of boreholes for G2 level of exploration	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

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Development :

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Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	In 2018-19, develop for Mn ore proposed in Mango block, Mayurnacha block, Jultanger block and for iron ore in insitu iron ore pit and top pit	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	In 2018-19, there was no proposal for top soil generation. Separate benches in OB and mineral proposed	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
2c	Stripping ratio or ore to OB ratio	Stripping ratio for Mn ore: 1: 14.9 m <sup>3</sup> /m <sup>3</sup> and for Iron ore 1:0.44 m <sup>3</sup> /m <sup>3</sup>	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
2d	Quantity of topsoil generation in m <sup>3</sup>	In 2018-19, there was no proposal for top soil generation both from Mn block and Iron ore quarry	Nil	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
2e	Quantity of overburden generation in m <sup>3</sup>	In 2018-19, the proposed OB and IB generation from Mn pit was 124829 cum and from iron ore pit was 124101 cum	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	In 2018-19, ore proposed in Mango block, Mayurnacha block, Jultanger block and for iron ore in insitu iron ore pit and top pit	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	In 2018-19, 3 nos of pit proposed for Mn production and 2 nos of pits proposed for Iron ore production	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3b	Quantity of ROM mineral production proposed	In 2018-19, ROM production proposal for Mn ore was 20003 tones and for Iron ore was 468826 tones	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3c	Recovery of sailable/usable mineral from ROM production	Saleable Mn Ore: 18000 tones and Iron ore: 421943 tones	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

3d	Quantity of mineral reject generation	Mineral reject generation for Mn ore was 2000 tones and for iron ore was 46883 tones	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3e	Grade of mineral rejects generation and threshold value declared.	Mineral Reject Grade for Mn ore: 10% Mn to 25% Mn and for Iron Ore: 45% Fe to 55% Fe	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3f	Quantity of sub grade mineral generation.	Subgrade generation for Mn ore was 2000 tones and for iron ore was 46883 tones	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3g	Grade of sub grade mineral generation	Subgrade for Mn ore: 10% Mn to 25% Mn and for Iron Ore: 45% Fe to 55% Fe	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method for Mn ore and Mechanised method for Iron Ore	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil. The mine is non-operational.	Nil
3j	Provision of drilling and blasting in mineral benches	The Mn pits will be mined in semi mechanised method by deep hole drilling and blasting for removal of OB. Deep hole drilling and blasting, fully mechanised operation will be done for iron ore excavation.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3k	Provision of mining machineries in mineral benches	Excavators and dumpers will be deployed for waste removal and extraction of ore from manganese zone. Fully mechanised operation will be done for iron ore excavation.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed height of benches in Mn pit is 3m and in Iron ore pit is 5m	The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.



3m	Total area covered under excavation/pits	Area under mining at the end of plan period will be 73.569 Ha	Area under mining at the end of 2018-19 is 54.447 Ha as reported in annual return for 2018-19. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3n	Ore to OB ratio for the pit/mine during the year.	Stripping ration for Mn ore: 1: 14.9 m <sup>3</sup> /m <sup>3</sup> and for Iron ore 1:0.44 m <sup>3</sup> /m <sup>3</sup>	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of plan period will be 135.404 Ha	Total area put in use under different heads at the end of 2018-19 is 93.332 Ha as reported in annual return for 2018-19. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
3p	Production of ROM mineral during the last five year period as applicable	2015-16: Mn: 2003 tones, Iron: 475048 tones 2016-17: Mn: 60003 tones, Iron: 564060 tones 2017-18: Mn: 60199 tones, Iron: 491232 tones	2015-16: Nil Production for Mn and Iron 2016-17: Nil Production for Mn and Iron 2017-18: Nil Production for Mn and Iron	Mine was non-operational due to want of statutory clearances.

3q	General remarks of inspecting officers on method of mining etc.	Mining operation will be semi mechanised opencast with manual breaking , sorting, sizing for manganese ore. Iron ore quarry will be operated by fully mechanised opencast method with mechanised drilling, blasting, excavation and loading.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no proposal for top soil generation. The waste materials are proposed to be dumped in pre selected dump yard. Waste generated from iron ore pits will be dumped in Waste Dump-A and Waste Dump-B. Wate generated from Mn ore pit have been proposed to be dumped at Waste Dump-C and Waste Dump-D. The low grade non-saleable iron/mn ore produced will be stacked separately in low grade stack yards and will be dispatched as per the buyers demand.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
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4b	Location of topsoil, OB and mineral reject dumps	There is no proposal for top soil generation. The waste materials are proposed to be dumped in pre selected dump yard namely Dump-A, Dump-B, Dump-C and Dump-D. The low grade non-saleable iron/mn ore produced will be stacked separately in low grade stack yards and will be dispatched as per the buyers demand.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
4c	Number of dumps within lease area and outside of lease area	In 2018-19, four nos of dumps proposed within lease area	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The proposed dumping area is soil in nature and having no small or big quarry. So, it apparently, it looks barren.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

4e	Number of active and alive dumps.	In 2018-19, proposed four no of active dumps	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
4f	Number of dead dumps.	In 2018-19, there was no proposal for dead dumps	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
4g	Number of dumps established.	In 2018-19, proposed four no of active dumps	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
4h	Whether Retaining wall or garland drain all along dumps are there.	In 2018-19, for dump managment, the length of retaining wall and garland drain proposed was 1860m and 1860m respectively	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
4i	Length of Retaining wall or garland drain all along dumps	In 2018-19, for dump managment, the length of retaining wall and garland drain proposed was 1860m and 1860m respectively	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

4j	Number of settling ponds	In 2018-19, two nos of settling ponds ( 20m x 10m x 8m), proposed, one at Dump-A and one at Dump-B.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
4k	Specific comments of inspecting officer on waste dump management	There is no proposal for top soil generation. The waste materials are proposed to be dumped in pre selected dump yard namely Dump-A, Dump-B, Dump-C and Dump-D. The low grade non-saleable iron/mn ore produced will be stacked separately in low grade stack yards and will be dispatched as per the buyers demand.	Nil. The mine is non-operational and there was no generation of waste and mineral rejects.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

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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	Nil	Nil
5b	Area under backfilling of mined out area	Not Proposed	Nil	Nil

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5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	There was no proposal for backfilling	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

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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).	Annual report on PMCP to be submitted as per Rule 26 (2) of MCDR, 2017	Annual report on PMCP for the year 2018-19 have been submitted	Annual report on PMCP for the year 2018-19 have been submitted
6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	Nil
6c	afforestation done (ha).	Not Proposed	Nil	Nil
6d	No. of saplings planted during the year	Not Proposed	2500 nos of saplings have been planted as reported in annual return for 2018-19	Nil
6e	Cumulative no .of plants	Not Proposed	2500 nos of saplings have been planted as reported in annual return for 2018-19	Nil
6f	Any other method of rehabilitation	Not Proposed	Nil	Nil

6g	Cost incurred on watch and care during the year	Not specified	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not Proposed	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Proposed	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	Nil	Nil
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 environmental monitoring at 4 locations for ambient air quality; 4 locations for water quality and noise level survey at 4 locations	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No comment to offer	The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting within lease area	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mining operation will be semi mechanised opencast with manual breaking, sorting, sizing for manganese ore. Iron ore quarry will be operated by fully mechanised opencast method with mechanised drilling, blasting, excavation and loading.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
7c	Different grade of mineral sorted out at mines.	Iron Ore: 45% Fe to 55% Fe and above 55% Fe; Mn; 10% Mn to 25% Mn and above 25% Mn	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
7d	Any beneficiation process at mines	Not Proposed	Nil	Nil

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mining operation will be semi mechanised opencast with manual breaking, sorting, sizing for manganese ore. Iron ore quarry will be operated by fully mechanised opencast method with mechanised drilling, blasting, excavation and loading.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Nil	The mine is non-operational.
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	The mine is non-operational.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The waste materials are proposed to be dumped in pre selected dump yard namely Dump-A, Dump-B, Dump-C and Dump-D. The low grade non-saleable iron/mn ore produced will be stacked separately in low grade stack yards and will be dispatched as per the buyers demand.	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	The mine is non-operational.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	The mine is non-operational.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Proposed	2500 nos of saplings have been planted as reported in annual return for 2018-19	Nil
8g	Survival rate	Not Specified	Survival rate: 94% as reported in annual return for 2018-19	Nil

8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road will be adopted to reduce the dust level	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No comments to offer	Aesthetic beauty in and around mines maintained.	Nil

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns to be submitted as per rule 45 of MCDR 2017	Monthly returns and annual return for 2018-19 have been submitted	Monthly returns and annual return for 2018-19 have been submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Manager, Mining Engineer and Geologist furnished in annual return for 2018-19	Manager, Mining Engineer and Geologist have been appointed in mines.	Manager, Mining Engineer and Geologist have been appointed in mines.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area (surface area) utilization at the end of the year as furnished in annual return for 2018-19. Covered under current working: 54.447 ha, Used for waste disposal: 3.638 Ha, Occupied by plant buildings, residential, welfare buildings & roads: 12.71 Ha, other purposes: 22.537 Ha	Found to be in order	The mine is non-operational. DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
9d	Scrutiny of Annual return on afforestation	2500 nos of saplings have been planted as reported in annual return for 2018-19	2500 nos of saplings have been planted as reported in annual return for 2018-19	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	The mine is non-operational. DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Manganese: Closing stock at mine head of below 25% Mn is 154.94 tones and between 25% to below 35% Mn is 542.969 tones and between 35% Mn to below 46% Mn is 202.091 tones and 46% mn & above: 26.031 tones. Iron ore: Closing stock at mine head (lumps) between 62% Fe and below 65% Fe is 367.94 tones	Found to be in order	Data as reported in annual return for 2018-19
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost: Nil	Nil. The mine is non-operational.	DFO Bonai vide its letter no. 6272/6F dated 22.12.2009 has directed the lessee to close mining operation for want of statutory clearances.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs) 6579470	Value of Fixed Assets (in Rs) 6579470 as reported in annual return for 2018-19	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	The mine is non-operational.

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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 24(1)	12/12/2019	MCDR17	Rule 24(1)	12/12/2019

**Date :**

**(SHRI SUDIP RANJAN MAZUMDAR)**

Indian Bureau of Mines