

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/SNG/MCDR-20/BBS

Mine code : 30ORI13043

- (i) Name of the Inspecting : U11) DAYANAND UPADHYAY
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri B. Mohapatra, Geologist
Official with
Designation
- (iv) Date of Inspection : 10/01/2019
- (v) Prev.inspection date : 05/06/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : BHANJPALI
- (b) **Registration NO.** : IBM / 8414 /2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ORISSA
- District : SUNDARGARH
- Village : BHANJPALI
- Taluka : BONAI
- Post office : KOIRA
- Pin Code : 758038
- FAX No. : 06767 273727
- E-mail : jnp_joda@rediffmail.com
- Phone : 06625-235186 / 06767 273727
- (f) **Police Station** : Koira
- (g) **First opening date** : 01/10/1997
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : VILL. BHANJAPALI, PO. KOIRA
DIST. SUNDARGARH, ORISSA
PIN. 770048
3. (a) **Lease Number** : ORI0615
- (b) **Lease area** : 18
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 31/03/2027
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : J.N.PATNAIK
 BONAIKELA(JODA) KEONJHAR
 ORISSA
 Phone:72001,72101(JODA), 3332(KJR),419734(BBSR)
 FAX :72066

Owner : J.N.PATNAIK
 BONAIKELA(JODA) KEONJHAR
 ORISSA
 Phone: 72001,72101JODA
 FAX :

Mining Engineer

Name : RAJEEV THAKUR, Full Time
 Qualification : B TECH MINING
 Appointment/ : 01/12/2002
 Termination date

Mining Engineer

Name : A.K.PRADHAN, Full Time
 Qualification : A.M.I.E
 Appointment/ : 15/10/0002
 Termination date

Geologist

Name : B.MOHAPATRA, Full Time
 Qualification : M SC GEOLOGIST
 Appointment/ : 01/09/2002
 Termination date

Geologist

Name : H.K.SAHU, Full Time
 Qualification : MSC GEOLOGIST
 Appointment/ : 01/02/0002
 Termination date

Manager

Name : P.K.SATPATHY
 Qualification :
 Appointment/ : 01/10/1997
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	15/07/2002
		Mining Scheme rule 12 MCDR1988	15/02/2008
		Modif.approved Mining Scheme	07/03/2011
		Mining Scheme rule 12 MCDR1988	04/07/2014
		MP review under 17(1) MCR 2016	31/08/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	06 number of bore holes in 2016-17.	12 numbers of bore holes have been drilled by lessee in 2018-19 as the earlier mines was closed due to want of EC.	There is no backlog.
1b	Exploration over lease area for geological axis 1 or 2	G1 Level of exploration.	12 numbers of bore holes have been drilled by lessee under G1 Level of exploration.	About 8.8 ha area has been explored under G1 level by putting 42 nos. of bore holes of total 695meterage drilling.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Exploration agency involved in drilling was M/s Gemco Kati Exploration. Cost incurred in drilling during the year was Rs 12.56 lakh/-.	Cost incurred in drilling during the year was Rs 12.56 lakh/-.
1d	Balance area to be explored to bring Geological axis in 1 or 2	9.2 ha during plan period.	About 8.8 ha area has been explored under G1 level by putting 42 nos. of bore holes of total 695meterage drilling.	About 8.8 ha area has been explored under G1 level by putting 42 nos. of bore holes of total 695meterage drilling.
1e	Balance reserve as on 01/04/20	Balance reserve as per of review of mining plan approved on 31/08/2017 was: Iron ore- 2090830T under proved category and 507950T was under feasibility resources and 507950T was under feasibility resources.	Balance reserve as on 01/04/2018, Iron ore- 2090830T under proved category and 507950T was under feasibility resources and 507950T was under feasibility resources.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirā.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-2, N 3170/3220 and E 5650/5700.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore with 6m height, top soil bench-nil	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
2c	Stripping ratio or ore to OB ratio	1:0.42 T/cu.m	Nil.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
2d	Quantity of topsoil generation in m3	Not proposed as working was proposed in broken up area,	Nil.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
2e	Quantity of overburden generation in m3	16320 cu.m	Nil.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
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 mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	single pit	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3b	Quantity of ROM mineral production proposed	66640T	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3c	Recovery of sailable/usable mineral from ROM production	80%	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3d	Quantity of mineral reject generation	13328T	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3e	Grade of mineral rejects generation and threshold value declared.	-55% to +45% Fe	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3f	Quantity of sub grade mineral generation.	13328T	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3g	Grade of sub grade mineral generation	-55% to +45% Fe	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3j	Provision of drilling and blasting in mineral benches	DTH drilling of 100mm dia. Blast hole with ANFO as coloumn charge and occasionally 32mm dia. of drill hole by jack hammer	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3k	Provision of mining machineries in mineral benches	WAGON DRILL-1, JACK HAMMER-2, EXCAVATOR 09 CU.M-2, LOADER 09 cu.m-2, DUMPER 4.5 cu.m-7, CRUSHER 150.000 T/H-1, WATER TANKER 1000L-2	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height- 6m	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3m	Total area covered under excavation/pits	10.716 ha proposed during approved plan period.	About 7.25 ha. has been covered under existing pit.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

3n	Ore to OB ratio for the pit/mine during the year.	1:0.42/cu.m,	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pit-10.716 ha, waste dump-2.579 ha, Infrastructure -0.849, roads-0.12 ha & Mineral storage-0.423, plantation & others -3.313 ha.	Total area exist under different heads are Pit-7.25 ha, waste dump-1.901 ha, Infrastructure-0.849, roads-0.12 ha & Mineral storage-0.423, plantation & others -1.343 ha.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3p	Production of ROM mineral during the last five year period as applicable	2013-14: Nil 2014-15: 53269T 2015-16: 150126T 2016-17: 186086T 2017-18: 66640T	Nil.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
3q	General remarks of inspecting officers on method of mining etc.	Excavation of ROM has been proposed in single pit i.e Pit-2	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

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)	Separate dumping for overburden and mineral reject.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
4b	Location of topsoil, OB and mineral reject dumps	OB Dump- N3620/3730 & E5720/5800, MR Dump- N3550/3600 & E5700/5740.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
4c	Number of dumps within lease area and outside of lease area	OB Dump- N3620/3730 & E5720/5800, MR Dump- N3550/3600 & E5700/5740.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OB Dump- N3620/3730 & E5720/5800, MR Dump- N3550/3600 & E5700/5740.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
4e	Number of active and alive dumps.	OB Dump- N3620/3730 & E5720/5800, MR Dump- N3550/3600 & E5700/5740.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
4f	Number of dead dumps.	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
4g	Number of dumps established.	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
4i	Length of Retaining wall or garland drain all along dumps	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
4j	Number of settling ponds	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
4k	Specific comments of inspecting officer on waste dump management	OB Dump- N3620/3730 & E5720/5800, MR Dump- N3550/3600 & E5700/5740.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.

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 as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
5b	Area under backfilling of mined out area	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
5d	Total area fully reclaimed and rehabilitated	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

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 specfied.	Annual return on PMCP has been submitted.	Annual return on PMCP has been submitted.
6b	Area available for rehabilitation (ha) .	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6c	afforestation done (ha).	0.362ha.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

6d	No. of saplings planted during the year	: 580 saplings.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6e	Cumulative no .of plants	Not specified.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6f	Any other method of rehabilitation	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6g	Cost incurred on watch and care during the year	Not specified.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	580 saplings in 0.362 ha area.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
7c	Different grade of mineral sorted out at mines.	45% to 55% Fe and +55% Fe.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
7d	Any beneficiation process at mines	Not proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Cut off grade of iron ore for the mine is +55%. :Gradewise sorting of ore is proposed.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not aproposed as working is proposed in broken area.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.

8b	Concurrent use or storage of topsoil	Not aproposed as working is proposed in broken area.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping for overburden and mineral reject.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed as pits are not fully exhausted.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	580 saplings in 0.362 ha area.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.
8g	Survival rate	Not specified.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra.

8h	Water sprinkling on roads to control airborne dust	Water Tanker.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	580 nos. of plantation in 2017-18	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira.

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 furnished in AR under different heads are Pit-7.25 ha, waste dump-2.0 ha, Plant, residential & building, roads-0.849.	Land use pattern not furnished correctly. Shortcomings pointed out through letter	Land use pattern not furnished correctly. Shortcomings pointed out through letter
9d	Scrutiny of Annual return on afforestation	Nil.	Nil.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koira

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil.	Nil.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock- 8958.59T, 62-65% Fe	Closing stock- 8958.59T, 62-65% Fe	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra
9h	Scrutiny of Annual return on fixed assets	Fixed asset as furnished in AR is Rs 42203.154/-	Fixed asset as furnished in AR is Rs 42203.154/-	Fixed asset as furnished in AR is Rs 42203.154/-
9k	Scrutiny of Annual return on mining machineries	Nil.	Nil.	The mines was not in operation since 13/08/2010 to 2017-18 due to want of EC and suspended by DDM Koirra

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 20	25/01/2019				
Rule 45(5)	25/01/2019				
Rule 46	25/01/2019				
Rule 47	25/01/2019				

Date : 09.04.19

Dayanand Upadhyay
09.04.19
(DAYANAND UPADHYAY)

Indian Bureau of Mines