INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine code: 300RI08081 Mine file No : ORI/IRON/KJR/MCDR-67/BBS

(i) Name of the Inspecting : SRM) SHRI SUDIP RANJAN MAZUMDAR

Officer and ID No.

: Senior Mining Geologist (ii) Designation

(iii) Accompaning mine : Shri H.N.Singh, Mines Agent

Official with Designation

(iv) Date of Inspection : 20/02/2020 (v) Prev.inspection date : 13/10/2015

PART-I : GENERAL INFORMATION

: THAKURANI BLOCK-B Mine Name (a) 1.

(b) Registration NO.

: A Fully Mechanised (c) Category

(d) Type of Working : Opencast

(e) Postal address

> : ORISSA State : KEONJHAR District : SAYABALI Village : BARBIL Taluka : BARBIL Post office : 758035 Pin Code

: 06767-75624 FAX No.

: slmlbarbil@hotmail.com E-mail

: 06767-262032/33/34 Phone

(f) Police Station

(q) First opening date : 27/08/2001

: SUN Weekly day of rest

: THAKURANI IRON ORE MINES BLOCK - B 2. Address for

VILL-SOYABALI, BALITA &-THAKURANI R F correspondance

PO-BARBIL, DIST-KEONJHAR, ORISSA

(a) Lease Number : ORI0688 3.

: 2340.2 947. 046Ha (b) Lease area

(c) Period of lease : 30 Aease enpiry on 13.08, 2021
(d) Date of Expiry : 13.08.2021

Main : IRON ORE 4. Mineral worked

5. Name and Address of the

Lessee : M/S SARDA MINES (P) LTD

KEONJHAR ORISSA Phone:06767-248537 FAX :06767-248537

Owner : SHRI ARJUN SARASWAT, NOMINATED OWNER

THAKURANI IRON MINE (B BLOCK) m/S SARDA MINES (P) LTD. PO BOX -85 BARBIL, DIST KEONJHAR ORISSA

KEONJHAR ORISSA Phone: 06767-247618 FAX : 06767-248537

Agent : SHRI H N SINGH

THAKURANI IRON MINE SOYABALI, PO-BARBIL KEONJHAR KEONJHAR ORISSA

Phone: 067-247618 FAX : 06767-248537

Mining Engineer

Name : S K SINGH, Full Time

Qualification : BE , FCC Appointment/ : 27/06/2011

Termination date

Geologist

Name : SHRI SHYAMANUJ DUBEY, Full Time

Qualification : MSC APPLIED GEOLOGY

Appointment/ : 01/09/2018

Termination date

Manager

Name : SHRI S K SING
Qualification : BE MINING
Appointment/ : 30/09/2015

Termination date

6. Date of approval of Mining Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 19/10/2006

Modif.approved Mining Scheme 18/05/2010

Mining Scheme rule 12 MCDR1988 02/03/2011

Modif.approved Mining Scheme 09/08/2012

Mining Scheme rule 12 MCDR1988 18/01/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration:

Sl.No.	Item	Proposals	Actual work F	Remarks
1a	Backlog of previous year	2016-17: 88 nos of BH 2017-18: 121 nos of BH 2018-19: 147 nos of BH	No bore holes have been drilled since the mining operations were suspended from 01/04/2014, by the order of DDM, Joda circle vide letter no 1554 dated 31.03.2014 untill further order	the mining operations were
1b	Exploration over lease area for geological axis 1 or 2	In 2018-19, 147 nos of boreholes have been proposed for drilling	No bore holes have been drilled since the mining operations were suspended from 01/04/2014, by the order of DDM, Joda circle vide letter no 1554 dated 31.03.2014 untill further order	the mining operations were suspended from
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified	There was no exploration done during 2018-19.	There was no exploration done during 2018-19.
1d	Balance area to be explored to bring Geological axis in 1 or 2	2016-17: 88 nos of BH 2017-18: 121 nos of BH 2018-19: 147 nos of BH	No bore holes have been drilled since the mining operations were suspended from 01/04/2014, by the order of DDM, Joda circle vide letter no 1554 dated 31.03.2014 untill further order	the mining operations were suspended from

1e	Balance reserve as on 01/04/20	As per the scheme of mining approved dated 18.01.2016, the reserve is 201.421 million tones and remaining resources is 88.257 million tones. Total reserve and resource is 289.678 million tones	Since there was no mining operation carried out from 01.04.2014, there was no depletion of reserves. Hence, as on 01.04.2019, the reserve remains at 201.421 million tones and remaining resources at 88.257 million tones. Total reserve and resource is 289.678 million tones	carried out from 01.04.2014, there was no depletion of reserves. Hence, as on 01.04.2019, the reserve remains at
1f	General remarks of inspecting officers on geology, exploration etc	In 2018-19, 147 nos of boreholes have been proposed for drilling	No bore holes have been drilled since the mining operations were suspended from 01/04/2014, by the order of DDM, Joda circle vide letter no 1554 dated 31.03.2014 untill further order	the mining operations were

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Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease are	In 2018-19, development a proposed in Block -05 and Block-08	No development has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	No development has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

1554 dated

31.03.2014 until further order

No mining No mining activities 2b Separate benches Separate has been done since the activities has in topsoil, benches in been done since overburden and overburden and mining operations were temporarily suspended the mining minerals (Rule mineral operations were from 01/04/2014, by the proposed temporarily order of DDM, Joda vide suspended from letter no 1554 dated 01/04/2014, by the 31.03.2014 untill order of DDM, Joda further order vide letter no 1554 dated 31.03.2014 untill further order Stripping ratio 1: 0.13 m3 / Nil No mining 2c activities has or ore to OB m3 been done since ratio the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order No mining 2d Quantity of During the Nil activities has topsoil scheme period generation in m3 from 2016-17 been done since the mining to 2020-21, operations were very less temporarily quantity of top soil is suspended from 01/04/2014, by the envisaged to order of DDM, Joda be encountered vide letter no which will be 1554 dated utilized for plantation 31.03.2014 until further order In 2018-19, No mining 2e Quantity of Nil proposal for activities has overburden generation in m3 OB generation been done since the mining was 459570 m3 operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no

2f General remarks In 2018-19, pit w.r.t. type Block-08 of deposit etc

No development has been of inspecting development done since the mining officers on proposed in operations were development of Block -05 and temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two nos of pits namely Block-05 and Block-08	Nil	The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order
3b	Quantity of ROM mineral production proposed	In 2018-19, ROM production proposal was 15.00 million tones	Nil	The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order
Зс	Recovery of sailable/usable mineral from ROM production	95%	Nil	The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

3d Quantity of 316500 m3 Nil mineral reject generation 3e Grade of mineral 45-55 % Fe. Nil Threshold rejects generation and value for iron threshold value ore is 45% Fe declared. 3f Quantity of sub 316500 m3 Nil grade mineral generation. 3g Grade of sub 45-55 % Fe. Nil grade mineral generation Mechanized Nil 3h Manual / Mechanised method adopted for segregating from ROM

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

No production has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

further order

Any analysis or Already a wet Not operated. The mining 3i operations were beneficiation beneficiation temporarily plant has been study proposed suspended from and carried out installed. 01/04/2014, by the for sub grade order of DDM, Joda mineral and vide letter no rejects. 1554 dated 31.03.2014 until further order The mining There was no drilling 3ј Provision of Presently, operations were and blasting in mineral drilling and 165mm dia temporarily holes are benches. blasting in suspended from mineral benches drilled by ROC 01/04/2014, by the L8. For order of DDM, Joda blasting vide letter no operations 1554 dated SME/ANFO 31.03.2014 until explosives is further order being used. The mining Excavator and Nil 3k Provision of operations were dumper mining temporarily combination machineries in suspended from have been mineral benches 01/04/2014, by the proposed for order of DDM, Joda mining in vide letter no mineral 1554 dated benches. 31.03.2014 until further order The mining 31 Whether height Proposal for The mining operations operations were Bench Height were temporarily of benches in in Block-8 is suspended from temporarily overburden and suspended from 01/04/2014, by the order mineral suitable 9 m and in 01/04/2014, by the of DDM, Joda vide letter for method of Block-% is 9 order of DDM, Joda no 1554 dated 31.03.2014 mining proposed and 12 m vide letter no until further order in MP/SOM 1554 dated 31.03.2014 until further order The mining 150.925 ha as reported Area under Total area 3m mining at the in annual return for operations were covered under temporarily 2018-19 excavation/pits end of plan suspended from period will be 01/04/2014, by the 213.659 Ha order of DDM, Joda vide letter no 1554 dated 31.03.2014 until

3n Ore to OB ratio 1: 0.13 m3 / Nil for the pit/mine m3 during the year.

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

at the end of year

period will be 2018-19 308.875 Ha

3o Total area put Total area put Total area put in use in use under in use under under different heads at different heads different the end of 2018-19 is heads at the 251.876 Ha as reported end of plan in annual return for

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

3p Production of five year period million tones as applicable

2016-17: 14.99 2016-17: Nil ROM mineral million tones 2017-18: Nil during the last 2017-18: 15.00 2018-19: Nil

2018-19: 15.00 million tones

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

3q General remarks In 2018-19, The mining operations

tones

of inspecting ROM production were temporarily officers on proposal was suspended from method of mining 15.00 million 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

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 of overburden and mineral reject proposed. During the scheme period from 2016-17 to 2020-21, very less quantity of top soil is envisaged to be encountered which will be utilized for plantation		No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
4b	Location of topsoil, OB and mineral reject dumps	It is proposed that the waste generated during the scheme period shall be dumped in Dump-No-2 at Block -7, south eastern side of Block -5 (backfilling) and new dump (dump-3)		No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
4 C	Number of dumps within lease area and outside of lease area	Two waste dumps exists	Two waste dumps exist within lease area	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

4d Location of dumps w.r.t. ultimate pit limit (Rule 16) the mining shall be dumped at dump-2 in Block -7. After that, south eastern side of Block-(demineralized area after complete extraction of ore) and new barren area in Block-5

Initially, the No dumping took place in waste rocks 2018-19 as no mining generated in activities has been done since the mining process from operations were BL-05 & BL-08 temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No dumping took place in 2018-19 as no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

Number of active One dump and alive dumps. exists

One dump exists

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

4 f Number of dead One dump dumps.

exists

One dump exists

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No mining No mining activities Number of dumps One dump 4 g activities has has been done since the established. exists mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order Retaining wall No mining activities 4h Whether has been done since the have been Retaining wall mining operations were or garland drain constructed all along dumps and shall be temporarily suspended from 01/04/2014, by the are there. constructed order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order Retaining wall No mining activities Length of 4i has been done since the Retaining wall have been mining operations were or garland drain constructed temporarily suspended all along dumps and shall be from 01/04/2014, by the constructed order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill

further order

been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order No mining activities has been done since

the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

4 j	Number of settling ponds	Settling ponds have been constructed and shall be constructed	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
4 k	Specific comments of inspecting officer on waste dump management	that the waste generated during the scheme period shall be dumped in Dump-No-2 at	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

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.	extraction of	No backfilling has been done as no waste generated as No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	No backfilling has been done as no waste generated as No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

5b Area under backfilling of mined out area

for backfilling: Breadth: 20m, depth: 30m

Void available No backfilling has been done as no waste generated as No mining Length: 400m, activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No backfilling has been done as no waste generated as No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

5c restoration or rehabilitation of mineral out area (Rule 32)

Concurrent use During the from 2016-17 to 2020-21, very less quantity of top soil is envisaged to utilized for plantation

Nil. There was no of topsoil for scheme period generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the be encountered order of DDM, Joda vide which will be letter no 1554 dated 31.03.2014 untill further order

generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

Nil. There was no

Total area 5d fully reclaimed and rehabilitated

1.23 Ha

Nil. There was no generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

Nil. There was no generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

5e

depth: 30m

General remarks Void available No backfilling has been No backfilling has of inspecting for done as no waste officers on backfilling: generated as no mining backfilling and Length: 400m, activities has been reclamation etc. Breadth: 20m, done since the mining operations were temporarily suspended from 01/04/2014, by the operations were order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

been done as no waste generated as no mining activities has been done since the mining temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

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).	on PMCP to be submitted as per Rule 26	Annual report on PMCP for the year 2018-19 have been submitted	PMCP for the year
6b	Area available for rehabilitation (ha) .	1.23 Ha	Nil	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

			(&)	
6c	afforestation done (ha).	1.23 На	Nil	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
6d	No. of saplings planted during the year	6000 nos for Dump Management and 3000 nos for management of worked out benches	1975 nos of saplings planted for dump management	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
6e	Cumulative no .of plants	Not Specified	351434 nos of saplings planted	Nil
6f	Any other method of rehabilitation	Not proposed	Miyawaki plantation	Nil
6g	Cost incurred on watch and care during the year	Rs 3.0 lakhs	Rs 1.72 Lakh	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L: B x D	Void available for backfilling: Length: 400m, Breadth: 20m, depth: 30m	e Nil	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Waste/tailing	Nil	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestati on on backfilled area	1.23 На	Nil	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
61	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
60	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)		Nil	No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order
6q	General remarks of inspecting officers on PMCE compliance and progressive closure operations etc.	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. PMCP proposals have not been complied as No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	Annual report on PMCP for the year 2018-19 have been submitted. PMCP proposals have not been complied as No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

Mineral Conservation:

Sl.No. Item Propasals Actual work Remarks

7a ROM Mineral dispatch or grade-wise sorting within lease area

Grade-wise Nil sorting within lease area

7b Method of grade- Mechanical Nil wise mineral sorting i.e. manual or mechanical.

7c Different grade 45 to -55% Fe Nil of mineral and +55% Fe sorted out at mines.

7d Any Already a wet Not operated.
beneficiation beneficiation
process at mines plant has been
installed.

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

7e officer on Mineral conservation and beneficiation issues

General remarks Grade-wise No mining activities of inspecting sorting within has been done since the activities has lease area mining operations were been done since temporarily suspended from 01/04/2014, by the operations were order of DDM, Joda vide temporarily letter no 1554 dated 31.03.2014 untill further order

No mining the mining suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

Environment:

Environment.					
Sl.No.	Item	Propasals	Actual work	Remarks	
8a	Separate removal and utilization of topsoil (Rule 32)	scheme period from 2016-17 to 2020-21, very less quantity of top soil is envisaged to	Nil. There was no generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	Nil. There was no generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	
8b	Concurrent use or storage of topsoil	During the scheme period from 2016-17 to 2020-21, very less quantity of top soil is envisaged to be encountered which will be utilized for plantation	Nil. There was no generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	Nil. There was no generation of top soil as there no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order	

8c Separate dumps waste rock, rejects and fines (Rule 33)

the mining shall be dumped at dump-2 in Block -7. After that, south eastern side of Block-(demineralized area after complete extraction of ore) and new barren area in Block-5

Initially, the No dumping took place in for overburden, waste rocks 2018-19 as no mining generated in activities has been done since the mining process from operations were BL-05 & BL-08 temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

No dumping took place in 2018-19 as no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

8d Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use

Waste/tailings Nil have been proposed for backfilling

No dumping took place in 2018-19 as no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

8e Phased restoration, reclamation and proposed for rehabilitation backfilling of lands affected by mining operations (Pits, dumps etc)

Waste/tailings Nil have been

No dumping took place in 2018-19 as no mining activities has been done since the mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 untill further order

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	6000 nos for Dump Management and 3000 nos for management of worked out benches	1975 nos of saplings planted for dump management	1975 nos of saplings planted for dump management
8g	Survival rate	Not Specified	Survival rate : 70% as reported in annual return for 2018-19	Survival rate: 70% as reported in annual return for 2018-19
8h	Water sprinkling on roads to control airborne dust		Maintained as observed during inspection	The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda. DDM Joda, vide their letter no. 280/Mines dated 31.01.2020 has allowed SMPL to resume mining operations & according SMPL has resume mining operation from 01.02.2020.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Ă	Aesthetic beauty in and around mines is maintained	Aesthetic beauty in and around mines is maintained

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual returns	Monthly returns and annual return for 2018-19 have been submitted.	Monthly returns and annual return for 2018-19 have been submitted.

Scrutiny of 9b Annual return for information Mining on Mining Engineer, Geologist and Manager

9c

Manager, Engineer and Geologist furnished in annual return for 2018-19

Information on Manager, Mining Engineer and Geologist have been appointed in mines.

Manager, Mining Engineer and Geologist have been appointed in mines.

Scrutiny of for area under pits, reclaimed year as

Lease area for 2018-19. current working: 138.742 ha, disposal: 11.993 Ha, Occupied by plant buildings, residential, welfare

buildings & roads: 60.968 Ha, other purposes: 13.214 Ha, area exploited & abandoned by

Lease area (surface Annual return on (surface area) area) utilization at the land use pattern utilization at end of the year as the end of the furnished in annual return for 2018-19. area, dumps etc. furnished in Covered under current annual return working: 138.742 ha, Used for waste disposal: Covered under 11.993 Ha, Occupied by plant buildings, residential, welfare buildings & roads: Used for waste 60.968 Ha, other purposes: 13.214 Ha, area exploited & abandoned by opencast mining: 12.183 Ha etc

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

9d Scrutiny of Annual return on saplings afforestation

1975 nos of planted within area

mining: 12.183

1975 nos of saplings planted within lease

lease area

opencast

Ha etc

1975 nos of saplings planted within lease area

90 Scrutiny of Annual return on mineral reject generation (Grade and quantity)

Nil

Nil

The mining operations were temporarily suspended from 01/04/2014, by the order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order

Data as furnished

mine head in annual return Annual return on of Lump at for 2018-19 ROM stock and/or mine head Lump 62% to below 65% Fe: 29977.818 tones. Lump 62% to graded ore below 65% Fe: Fines 58% to below 60% 29977.818 Fe: 198409.719 tones Fines 60% to below 62% tones. Fe: 11155841.099 tones Fines 58% to below 60% Fe: Fines 60% to below 65% Fe: 851067.52 tones 198409.719 Fines 65% Fe and above : tones 9.678 tones Fines 60% to below 62% Fe: 11155841.099 tones Fines 60% to below 65% Fe: 851067.52 tones Fines 65% Fe and above : 9.678 tones The mining Nil Nil Scrutiny of 9g operations were Annual return on temporarily sale value, Ex. suspended from Mine price and 01/04/2014, by the production cost order of DDM, Joda vide letter no 1554 dated 31.03.2014 until further order. Data as furnished Value of Fixed Value of Fixed Assets Scrutiny of 9h in annual return Annual return on Assets (in Rs) (in Rs) 3420685309 for 2018-19 3420685309 fixed assets Shovel (Hydraulic) Shovel (Hydraulic) Shovel Scrutiny of 9k 10.000 cum 10.000 cum capacity: 1 Annual return on (Hydraulic) capacity: 1 no, no, Backhoe (2.0 cum 10.000 cum mining Backhoe (2.0 cum capacity): 1 no; Dumper machineries capacity: 1 capacity): 1 no; (100 tonne capacity): 3 no, Backhoe Dumper (100 tonne (2.0 cum nos etc. capacity): 3 nos capacity): 1 etc. no; Dumper (100 tonne capacity): 3

nos etc.

Closing Stock Closing Stock of Lump at

9f

Scrutiny of

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

Date :

Rule NO. Issued on Compliance on

(SHRI SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines