

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON/KJR/MCDR-47/BBS

**Mine code :** 30ORI08070

- (i) Name of the Inspecting : **DJ03** ) **DILIP JAIN**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Ashapradeep Mohanty, Lessee representative.  
Official with  
Designation
- (iv) Date of Inspection : 13/03/2019
- (v) Prev.inspection date : 15/07/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RAIKA KALAPARBHAT**
- (b) **Registration NO.** : **IBM / 8435 / 2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : RAIKA
- Taluka : BARBIL
- Post office : BARBIL
- Pin Code :
- FAX No. : 9438757019
- E-mail : kushaleswaminerals@gmail.co
- Phone : 06767 -277361 / 094370017
- (f) Police Station : BARBIL- 758 035
- (g) First opening date : 14/01/1982
- (h) Weekly day of rest : SUN
2. Address for : VILL: RAIKA  
correspondance POST OFFICE: BONAİKELA  
DIST:KEONJHAR
3. (a) Lease Number : ORI0728
- (b) Lease area : 9.81
- (c) Period of lease : 20
- (d) Date of Expiry : 09/04/2001
4. Mineral worked : MANGANESE ORE Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : M/S KUSHALESWAR MINERALS  
SRI BASANT KUMAR MOHANTY  
NEW MARKET, MADHUSUDAN  
SQUARE, AT/P.O.- BARBIL,  
DISTT.- KEONJHAR KEONJHAR  
ORISSA  
Phone:  
FAX :

Owner : KUSHALESWAR MINERALS  
NEW MARKET, BARBIL POST  
BOX:30 KEONJHAR ORISSA  
Phone:  
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	31/03/2008
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	09/04/2012

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
1b	Exploration over lease area for geological axis 1 or 2	No valid proposal for reporting year i.e. 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No valid proposal for reporting year i.e. 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No valid proposal for reporting year i.e. 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

1e	Balance reserve as on 01/04/20	As per approved document dated 09/04/2012, the position of reserve and resource was as follows: Iron Ore: Reserve: 246750 tonnes Resource: 429887 tonnes. Manganese Ore: Reserve: NIL Resource: 14280 tonnes.	The position of reserve and resource as per approved document dated 10/04/2019 is as follows: Iron Ore: Reserve: 189645 tonnes Resource: 445962 tonnes. Manganese Ore: Reserve: 6610 tonnes Resource: 7640 tonnes.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
1f	General remarks of inspecting officers on geology, exploration etc	No comment to offer as no valid proposal for reporting year i.e. 2017-18.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
2c	Stripping ratio or ore to OB ratio	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
2d	Quantity of topsoil generation in m3	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
2e	Quantity of overburden generation in m3	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No valid proposal for reporting year 2017-18.	Not applicable as no proposal. The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

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### Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
3b	Quantity of ROM mineral production proposed	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3c	Recovery of sailable/usable mineral from ROM production	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3d	Quantity of mineral reject generation	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3e	Grade of mineral rejects generation and threshold value declared.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3f	Quantity of sub grade mineral generation.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3g	Grade of sub grade mineral generation	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3h	Manual / Mechanised method adopted for segregating from ROM	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	

3j	Provision of drilling and blasting in mineral benches	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3k	Provision of mining machineries in mineral benches	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3m	Total area covered under excavation/pits	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3n	Ore to OB ratio for the pit/mine during the year.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
3o	Total area put in use under different heads at the end of year	As per approved documnet dated 09/04/2012, total area put under the different heads like excavation, OB dumping, Mineral Storage, Infrastructure , Road, Green belt etc. was 4..114 Ha.	As per approve document dated 10/04/2019, an area of 3.075 Ha has been put under different heads like excavation, OB dumping, Mineral Storage, Infrastructure, Road, Green belt etc.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
3p	Production of ROM mineral during the last five year period as applicable	No valid proposal for reporting year 2017-18.	Not applicable as no proposal. The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

3q General remarks No valid  
of inspecting proposal for  
officers on reporting year  
method of mining 2017-18.  
etc.

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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)	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4b	Location of topsoil, OB and mineral reject dumps	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4c	Number of dumps within lease area and outside of lease area	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.



4e	Number of active and alive dumps.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4f	Number of dead dumps.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4g	Number of dumps established.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4i	Length of Retaining wall or garland drain all along dumps	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
4j	Number of settling ponds	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

4k	Specific comments of inspecting officer on waste dump management	No valid proposal for reporting year 2017-18.	Not applicable as no proposal. The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
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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.	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
5b	Area under backfilling of mined out area	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
5d	Total area fully reclaimed and rehabilitated	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal. The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
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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).	As per rule 26(2) of MCDR, 2017, PMCP report to be submitted for previous year by 1st July.	PMCP report has not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
6b	Area available for rehabilitation (ha) .	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6c	afforestation done (ha).	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6d	No. of saplings planted during the year	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

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6e	Cumulative no .of plants	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6f	Any other method of rehabilitation	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6g	Cost incurred on watch and care during the year	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal. The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
7c	Different grade of mineral sorted out at mines.	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
7d	Any beneficiation process at mines .	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No valid proposal for reporting year 2017-18.	Not applicable as no proposal. The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	The Mining plan approved vide letter dated 09/04/2012 was valid for the period from 08/04/2011 to 2015.16. No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
8b	Concurrent use or storage of topsoil	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
8g	Survival rate	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
8h	Water sprinkling on roads to control airborne dust	No valid proposal for reporting year 2017-18.	Not applicable as no proposal.	The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No valid proposal for reporting year 2017-18.	Not applicable as no proposal. The Lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR , monthly and annual returns to be submitted.	Monthly and annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.



9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	Mining Engineer, Geologist has not been appointed as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	As on date of inspection an area of 3.075 Ha has been put under different heads like excavation, OB dumping, Mineral Storage, Infrastructure, Road, Green belt etc.	NIL.
9d	Scrutiny of Annual return on afforestation	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	No afforestation as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	No mineral reject generation as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	No ROM generation as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	No information as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

9h	Scrutiny of Annual return on fixed assets	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	No information as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.
9k	Scrutiny of Annual return on mining machineries	Annual returns have been not been submitted as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	No information as the lease has been declared lapsed by State government vide proceeding dated 10/12/2015 and not in operation since 1997.	NIL.

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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

**Date :**

**(DILIP JAIN)**

Indian Bureau of Mines