

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/DOL/SNG/MCDR-5/BBS-12/5/01

**Mine code :** 38ORI13014

- (i) Name of the Inspecting Officer and ID No. : **U11** ) **DAYANAND UPADHYAY**
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine Official with Designation : Shri Lokesh Shrimali, Mines Manager
- (iv) Date of Inspection : 14/12/2018
- (v) Prev.inspection date : 30/12/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **LANJIBERNA (893.55 HA)**
- (b) **Registration NO.** : **IBM/393/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : LANJIBERNA
- Taluka : RAJGANGPUR
- Post office : LANJIBERNA
- Pin Code : 770023
- FAX No. : 06624-220733/933
- E-mail : lq@dalmiacement.com
- Phone : 0661-2451419,2451417
- (f) Police Station : RAJGANGPUR
- (g) First opening date : 12/05/1951
- (h) Weekly day of rest : SUN
2. Address for correspondance : VILL/PO-LANJIBERNA  
DIST-SUNDERGARH  
ODISHA
3. (a) Lease Number : ORI0016
- (b) Lease area : 1002.01
- (c) Period of lease : 20
- (d) Date of Expiry : 20/08/1998
4. Mineral worked : DOLOMITE Associated  
LIMESTONE Main

## 5. Name and Address of the

Lessee : ORISSA CEMENT LIMITED  
 AT/PO RAJGANGPUR  
 SUNDARGARH ORISSA  
 Phone:20133,20733  
 FAX :20933, 20133

Owner : SHRI AMANDEEP  
 M/S OCL INDIA LIMITED  
 RAJGANGPUR ODISHA  
 SUNDARGARH ORISSA  
 Phone: 06624220933  
 FAX :

Agent : SAROJ KUMAR ROUT  
 LANJIBERNA RAJGANGPUR  
 ODISHA SUNDARGARH ORISSA  
 Phone: 06624676403  
 FAX :

## Mining Engineer

Name : B. JAGADEESH KUMAR,Full Time  
 Qualification : AMIE in Mining Engg  
 Appointment/ : 28/11/2015  
 Termination date

## Geologist

Name : DR. UDAYNATH SAHOO,Full Time  
 Qualification : M.Sc, M. Phil, Ph. D (Geology)  
 Appointment/ : 20/10/2010  
 Termination date

## Manager

Name : LOKESH SHRIMALI  
 Qualification : Degree in Mining Engineering  
 Appointment/ : 24/05/2017  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/01/2005
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	27/11/2005
	:	Modif.approved Mining Scheme	01/02/2007
	:	Renewal under rule 24 MCR1960	07/05/2009
	:	FMCP under 23C(1)	08/02/2012
	:	Modif.of approved Mining Plan	11/01/2013
	:	Mining Scheme rule 12 MCDR1988	25/03/2015
	:	MP modif under 17(3) MCR 2016	25/01/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	In 2017-18, 35 nos. of bore holes of total meterage 2800 m.	In 2017-18, 09 nos. of bore holes of total meterage 470 m have been drilled by lessee.	Deviation pointed out through violation letter.
1b	Exploration over lease area for geological axis 1 or 2	G1/G2 Level of exploration.	In 2017-18, 09 nos. of bore holes of total meterage 470 m have been drilled by lessee.	Deviation pointed out through violation letter.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified.	Drilling carried out by M/s SPS Geo Mining Solution Pvt Ltd ,Kolkata. Expenditure incurred in 2017-18 in drilling is 9.68 Lac.	Expenditure incurred in 2017-18 in drilling is 9.68 Lac.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified.	Area covered under G1- 283.623 Ha, G2- 90.712 Ha and unexplored area is 498.722 ha.	Area covered under G1- 283.623 Ha, G2- 90.712 Ha and unexplored area is 498.722 ha.
1e	Balance reserve as on 01/04/20	Balance reserve as per Modification of Scheme of mining approved on 25/01/2018 was: Limestone: 111-78.09 MT and under 122- 9.77 MT Dolomite: 111-18.75 MT and under 122- 4.47 MT	Reserve as on 01.04.2018: Limestone: 111-73.94 MT and 122- 9.78 MT. Dolomite: 111-18.74 MT and under 122- 4.47 MT	Reserve as on 01.04.2018: Limestone: 111-73.94 MT and 122- 9.78 MT. Dolomite: 111-18.74 MT and under 122- 4.47 MT

1f	General remarks of inspecting officers on geology, exploration etc	In 2017-18, total 35 numbers of bore holes have been proposed.	In 2017-18, 09 nos. of bore holes of total meterage 470 m have been drilled by lessee. Area covered under G1- 283.623 Ha, G2- 90.712 Ha and unexplored area is 498.722 ha.	Deviation pointed out through violation letter.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Q 1-3, 4620-5000 N, 3900-4800 E Q 2-6, 4640-5264 N, 5906-7106 E Q 4-5, 4970-5435 N, 4538-5580 E	Q 1-3, 4620-5000 N, 3900-4800 E Q 2-6, 4640-5264 N, 5906-7106 E Q 4-5, 4970-5435 N, 4538-5580 E	Development is as per proposal.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches in OB and ore. Top soil bench- nil.	Benches in ore of 8m height have been maintained.	Benches in ore of 8m height have been maintained.
2c	Stripping ratio or ore to OB ratio	1:0.85T/cu.m	1:0.71T/cu.m	Stripping ratio is more or less same and it is slightly varries due to change in behaviour of intercalleted waste..
2d	Quantity of topsoil generation in m3	Not proposed.	There is no top soil generarion.	There are old existing pits and mineralisation is exposed from surface. Therefore there is no top soil generarion.
2e	Quantity of overburden generation in m3	1502094 cu.m	1143943 cu.m	Due to less ROM production waste generation is less.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development is proposed in Three pits.	The development is carried out in three pits and bench height is maintained 8m.	The development is carried out in three pits and bench height is maintained 8m.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	03 pits.	Working is concentrated in three pits as proposed.	Working is concentrated in three pits as proposed.
3b	Quantity of ROM mineral production proposed	In 2017-18: Lst-43,89,690T & Dolomite-73,737T	ROM production reported in 2017-18: Lst-41,50,721T & Dolomite-5,772T	ROM production reported in 2017-18: Lst-41,50,721T & Dolomite-5,772T
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	Total ROM utilised through blending of mineral reject.
3d	Quantity of mineral reject generation	763962 cu.m	The mineral reject generated during mining operation is utilised through blending with high grade.	The mineral reject generated during mining operation is utilised through blending with high grade.
3e	Grade of mineral rejects generation and threshold value declared.	CaO = 35-38%, MgO <7%	The mineral reject generated during mining operation is utilised through blending with high grade.	The mineral reject generated during mining operation is utilised through blending with high grade.
3f	Quantity of sub grade mineral generation.	763962 cu.m	The mineral reject generated during mining operation is utilised through blending with high grade.	The mineral reject generated during mining operation is utilised through blending with high grade.
3g	Grade of sub grade mineral generation	CaO = 35-38%, MgO <7%	The mineral reject generated during mining operation is utilised through blending with high grade.	The mineral reject generated during mining operation is utilised through blending with high grade.

3h	Manual / Mechanised method adopted for segregating from ROM	mechanised.	Mechanised.	Mechanised method is practiced.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Nil.	Only crushiing plant is installed in lease area and after crushing of size -90mm, the ore is transported to its captive plant through belt conveyor.
3j	Provision of drilling and blasting in mineral benches	Deep holes drilling and blasting.	Drilling is carried out by Atlascopco & Sandvik Hyd drill of 115 mm dia and blasting with SME, Cast booster , Electronics detonator & NONEL.	Blasting parameters: Burden-3.2 m, Bench Height- 8 m, Spacing -3.7 m
3k	Provision of mining machineries in mineral benches	SHOVEL (HYDRAULIC) 1/4/6 cu.m-10, FRONT END LOADER 2.0 cu.m-2, DUMPER 29/42T-33, CRUSHER 150.000 T/H-1, DOZOR-1, Crusher 400 TPH-1, WATER TANKER -2	SHOVEL (HYDRAULIC) 1/4/6 cu.m-10, FRONT END LOADER 2.0 cu.m-2, DUMPER 29/42T-33, CRUSHER 150.000 T/H-1, DOZOR-1, Crusher 400 TPH-1, WATER TANKER -4	Excavator, Loader and Dumper are equipped to winning out the mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height- 8m.	Bench height is suitably matched with the excavator.	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation/pits	144.710 ha proposed during approved plan period.	As on date of inspection about 140.510 ha area has been covered under excavation pits.	About 140.510 ha area has been covered under excavation pits.

3n	Ore to OB ratio for the pit/mine during the year.	1:0.85T/cu.m	1:0.63T/cu.m	Stripping ratio is almost same and it is slightly varies due to change in behaviour of ore deposit.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pits-144.710 ha, waste dump-59.01 ha, Infrastructure -10.720ha, Township-0.12ha, roads-9.14 ha, NGT-0.57 ha & others -19.3 ha.	Total area covered under different heads are Pits-140.510 ha, waste dump-55.498 ha, Infrastructure-10.720ha, Township-0.12ha, roads-9.14 ha, NGT-0.57 ha & others -19.3 ha.	Total area covered under different heads are Pits-140.510 ha, waste dump-55.498 ha, Infrastructure-10.720ha, Township-0.12ha, roads-9.14 ha, NGT-0.57 ha & others -19.3 ha.
3p	Production of ROM mineral during the last five year period as applicable	2013-14 : Limestone = 42,00,000, Dolomite=72,000 2014-15 : Limestone = 42,00,000, Dolomite=79,200 2015-16 : Limestone = 41,69,650, Dolomite=63,535 2016-17 Limestone = 43,58,710T, Dolomite=55,479 T 2017-18 : Limestone = 43,89,690 MT, Dolomite=73,737 MT	2013-14 : Limestone = 26,40,415.500, Dolomite=59,936 2014-15 : Limestone = 27,89,670.500T, Dolomite=34,488T 2015-16 : Limestone= 35,39,799.500T, Dolomite = 1,457T 2016-17 Limestone = 38,28,182.640T, Dolomite = 1,024T 2017-18 : Limestone= 41,50,721.000 T, Dolomite = 5572.000T	Nil.

3q	General remarks of inspecting officers on method of mining etc.	The excavation of ROM is proposed three pits. Three pits.	The ROM production is carried out in three pits and bench height is maintained 8m.	The ROM production is carried out in three pits and bench height is maintained 8m.
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### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for waste. No top soil and mineral reject dump proposed.	Waste is dumped in north-western part of the lease as proposed.	No top soil and mineral reject dump proposed.
4b	Location of topsoil, OB and mineral reject dumps	Waste dump- 5010-5377 N & 4000-4527 E	Waste dump-5010-5377 N & 4000-4527 E.	No top soil and mineral reject dump proposed.
4c	Number of dumps within lease area and outside of lease area	One active dump.	Waste is dumped on active dump (5010-5377 N & 4000-4527 E) as proposed.	There is no dump outside the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste dump- 5010-5377 N & 4000-4527 E	Waste is dumped on active dump (5010-5377 N & 4000-4527 E) as proposed.	Waste dump is located outside the ultimate pit limit.
4e	Number of active and alive dumps.	Active dump- 5010-5377 N & 4000-4527 E	There is one active dump lies between 5010-5377 N & 4000-4527 E as proposed.	There is one active dump lies between 5010-5377 N & 4000-4527 E as proposed.
4f	Number of dead dumps.	Not proposed.	There is 11 dead dump lies in the lease area which are stabilised by plantation.	There is 11 dead dump lies in the lease area which are stabilised by plantation.
4g	Number of dumps established.	Not proposed.	There is 11 dead dump lies in the lease area which are stabilised by plantation.	There is 11 dead dump lies in the lease area which are stabilised by plantation.



4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall of 710mX1.0mX1.2m and a garland drain of 710mX1.5mX1.0m .	Retaining wall and a garland drain has been partly completed. About 150m of retaining wall and garland drain beyond the pillar A-5 is still to be completed.	Deviation of retaining wall and a garland drain is pointed out through violation letter dated 28/12/2018.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall of 710mX1.0mX1.2m and a garland drain of 710mX1.5mX1.0m .	Retaining wall and a garland drain has been partly completed. About 150m of retaining wall and garland drain beyond the pillar A-5 is still to be completed.	Deviation of retaining wall and a garland drain is pointed out through violation letter dated 28/12/2018.
4j	Number of settling ponds	One settling pond of 10mx10mx2m	Settling pond of 10mx10mx2m has been constructed by lessee.	Proposed Settling pond has been constructed by lessee.
4k	Specific comments of inspecting officer on waste dump management	One active dumps between 5010-5377 N & 4000-4527 E.	There is one active dump lies between 5010-5377 N & 4000-4527 E as proposed. Slope of the dump is stabilised by plantation.	The dead dumps have been stabilised by plantation.

#### 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.	Not applicable.	The mineralisation is continued in depth and pits are not matured for backfilling.
5b	Area under backfilling of mined out area	Not proposed.	Not applicable.	The mineralisation is continued in depth and pits are not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	There is no top soil generation as the pits are already developed and no fresh area is proposed during plan period.	There is no top soil generation as the pits are already developed and no fresh area is proposed during plan period.

5d	Total area fully reclaimed and rehabilitated	Not proposed.	Not applicable.	The mineralisation is continued in depth and pits are not matured for backfilling.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling not proposed.	Nil.	The mineralisation is continued in depth and pits are not matured for backfilling.

#### Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not specified.	Annual return on PMCP has been submitted.	Annual return on PMCP has been submitted.
6b	Area available for rehabilitation (ha) .	Not proposed.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.
6c	afforestation done (ha).	In 2017-18, No proposal.	In 2017-18, about 3700 saplings have been planted by lessee covering area about 1.0 ha.	In 2017-18, about 3700 saplings have been planted by lessee covering area about 1.0 ha.
6d	No. of saplings planted during the year	In 2017-18, No proposal.	In 2017-18, about 3700 saplings have been planted by lessee covering area about 1.0 ha.	In 2017-18, about 3700 saplings have been planted by lessee covering area about 1.0 ha.
6e	Cumulative no .of plants	Not specified.	Cumulative nos. of saplings planted in the lease area is about 322634 nos.	Cumulative nos. of saplings planted in the lease area is about 322634 nos.
6f	Any other method of rehabilitation	Not proposed.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.

6g	Cost incurred on watch and care during the year	Not specified.	Around Rs 15.54 lakh cost incurred on watch and care.	Around Rs 15.54 lakh cost incurred on watch and care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	Not proposed.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	About 35.22 ha area covering under dead dumps has been rehabilitated by plantation.	About 35.22 ha area covering under dead dumps has been rehabilitated by plantation.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	About 35.22 ha area covering under dead dumps has been rehabilitated by plantation.	About 35.22 ha area covering under dead dumps has been rehabilitated by plantation.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	About 35.22 ha area covering under dead dumps has been rehabilitated by plantation.	About 35.22 ha area covering under dead dumps has been rehabilitated by plantation.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring.	Quarterly monitoring of air, water and noise level are being carried out.	Quarterly monitoring of air, water and noise level are being carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposal of reclamation and rehabilitation .	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation..	About 35.22 ha area covering under dead dumps has been rehabilitated by plantation. Quarterly monitoring of air, water and noise level are being carried out regularly.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Cement grade limestone, Cao>38%, Mgo<7%	Cement grade limestone, Cao>38%, Mgo<7% directly dispatched to its captive plant.	Cement grade limestone, Cao>38%, Mgo<7% directly dispatched to its captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	Mechanised.	Cement grade limestone, Cao>38%, Mgo<7% directly dispatched to its captive plant.

7c	Different grade of mineral sorted out at mines.	35-38% Cao and 38-46% Cao	Cement grade limestone, Cao>38%, Mgo<7% directly dispatched to its captive plant.	Cement grade limestone, Cao>38%, Mgo<7% directly dispatched to its captive plant.
7d	Any beneficiation process at mines .	Not proposed.	Nil.	Only crushing plant is installed to crushed the ROM below 75mm size.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Cement grade limestone, Cao>38%, Mgo<7%	Cement grade limestone, Cao>38%, Mgo<7% directly dispatched to its captive plant.	Cement grade limestone, Cao>38%, Mgo<7% directly dispatched to its captive plant.

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**Environment :**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	There is no top soil generation as the pits are already developed and no fresh area is proposed during plan period.	There is no top soil generation as the pits are already developed and no fresh area is proposed during plan period.
8b	Concurrent use or storage of topsoil	Not proposed.	There is no top soil generation as the pits are already developed and no fresh area is proposed during plan period.	There is no top soil generation as the pits are already developed and no fresh area is proposed during plan period.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping for waste and mineral reject.	Separate dumping for waste and mineral reject are carried out as per proposal.	Separate dumping for waste and mineral reject are carried out as per proposal.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	The mineralisation is continued in depth and pits are not matured for backfilling.	The mineralisation is continued in depth and pits are not matured for backfilling.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	The mineralisation is continued in depth and pits are not matured for backfilling.	The mineralisation is continued in depth and pits are not matured for backfilling.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal of plantation in 2017-18.	Total 3700 nos. saplings have been planted in 2017-18. Cumulative 322634 nos. have been planted by lessee .	Total 3700 nos. saplings have been planted in 2017-18. Cumulative 322634 nos. have been planted by lessee .
8g	Survival rate	Not specified.	As reported survival rate is 70%.	As reported survival rate is 70%.
8h	Water sprinkling on roads to control airborne dust	Four water sprinkler.	Four water sprinkler of 22KL, 18KL & 10KL are used to control air borne dust.	Four water sprinkler of 22KL, 18KL & 10KL are used to control air borne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal of reclamation and rehabilitation .	The mineralisation is continued in depth and pits are not matured for reclamation and rehabilitation. Aesthetic beauty in mines area is maintained. In 2017-18, total 3700 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 322634 nos.	Aesthetic beauty in mines area is maintained. In 2017-18, total 3700 nos of saplings have been planted by lessee. As reported cumulative no. of trees planted by lessee is about 322634 nos.

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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 & 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	The employment status of mining engineer, geologist & mine manager have been furnished in the annual return submitted for the year 2017-18.	Mining engineer, geologist & mine managers were employed in the mine.	Mining engineer, geologist & mine managers were employed in the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under different heads are Pit-140.570 ha, waste dump-55.90 ha, Infrasructure, roads & others -22.480 ha.	Area covered under different heads are Pit-140.570 ha, waste dump-55.90 ha, Infrasructure, roads & others -22.480 ha.	Area covered under different heads are Pit-140.570 ha, waste dump-55.90 ha, Infrasructure, roads & others - 22.480 ha.
9d	Scrutiny of Annual return on afforestation	Total 3700 nos. saplings have been planted in 2017-18.	Total 3700 nos. saplings have been planted in 2017-18.	Total 3700 nos. saplings have been planted in 2017-18.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	MR- Nil.	MR- Nil.	MR- Nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of limestone- 214105T	Closing stock of limestone- 214105T	Closing stock of limestone- 214105T
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine pice- Rs- 292.11/-	Ex mine pice- Rs- 292.11/-	Ex mine pice- Rs- 292.11/-
9h	Scrutiny of Annual return on fixed assets	Value of fixed asset Rs- 1564235303/-	Value of fixed asset Rs- 1564235303/-	Value of fixed asset Rs- 1564235303/-

9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 1/4/6 cu.m-10, FRONT END LOADER 2.0 cu.m-2, DUMPER 29/42T-33, CRUSHER 150.000 T/H-1, DOZOR-1, Crusher 400 TPH-1, WATER TANKER -4	SHOVEL (HYDRAULIC) 1/4/6 cu.m-10, FRONT END LOADER 2.0 cu.m-2, DUMPER 29/42T-33, CRUSHER 150.000 T/H-1, DOZOR-1, Crusher 400 TPH-1, WATER TANKER -4	SHOVEL (HYDRAULIC) 1/4/6 cu.m-10, FRONT END LOADER 2.0 cu.m-2, DUMPER 29/42T-33, CRUSHER 150.000 T/H-1, DOZOR-1, Crusher 400 TPH-1, WATER TANKER -4
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**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

**Date :**

(DAYANAND UPADHYAY)

Indian Bureau of Mines