

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT
Bhubaneswar regional office

Mine file No : ORI/DOL/SNG/MCDR-5/BBS-12/5/01 Mine code : 38ORI13014

- (i) Name of the Inspecting : U11) DAYANAND UPADHYAY
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Subrat Mishra, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 15/10/2019
- (v) Prev.inspection date : 23/07/2019

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. : 06624-220933
E-mail : ocl_rajgangpur@dalmiacemen
Phone : 06624-221212
- (f) Police Station : RAJGANGPUR
- (g) First opening date : 12/05/1951
- (h) Weekly day of rest : SUN
- 2. Address for : VILL/PO-LANJIBERNA
correspondance : DIST-SUNDERGARH
ODISHA
- 3. (a) Lease Number : ORI0016
- (b) Lease area : ~~1002.01~~ 873.057 Ha
- (c) Period of lease : 50
- (d) Date of Expiry : ~~20/08/1998~~ 29.02.2040 (As per section 8A(6) of
Amendment MMDR Act 2015)
- 4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : ORISSA CEMENT LIMITED
AT/PQ, 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 : SUBRAT MISHRA
Qualification : Diploma in Mining Engg. & FCC
Appointment/ : 02/05/2019
Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	27/01/2005
		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
		Modif. approved Mining Scheme	28/08/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	218 nos of boreholes of total meterage 17,540m in 2018-19.	In 2018-19 was only 10 nos of boreholes of total meterage 1,118.20 m have been drilled by lessee.	Violation letter and show cause notice has been issued for deviation of exploration proposal.
1b	Exploration over lease area for geological axis 1 or 2	About 455.682 ha area under G1 level of exploration.	As on 01.04.2019, area explored under G1 is 283.623 Ha and under G2 is 90.712 Ha.	As on 01.04.2019, area explored under G1 is 283.623 Ha and under G2 is 90.712 Ha. Violation letter and show cause notice has been issued for deviation of exploration proposal for the year 2018-19.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified.	Exploration Agency: M/s SPS Geo Mining Solution Pvt Ltd, Kolkata & Expenditure incurred : Rs 9.68 Lakh	Exploration Agency: M/s SPS Geo Mining Solution Pvt Ltd, Kolkata & Expenditure incurred : Rs 9.68 Lakh
1d	Balance area to be explored to bring Geological axis in 1 or 2	About 455.682 ha area under G1/G2 level of exploration.	As on 01.04.2019, area explored under G1 is 283.623 Ha and under G2 is 90.712 Ha.	As on 01.04.2019, area explored under G1 is 283.623 Ha and under G2 is 90.712 Ha. Violation letter and show cause notice has been issued for deviation of exploration proposal for the year 2018-19.

1e	Balance reserve as on 01/04/20	As per modification of review of mining plan approved on 25/01/1018, Limestone Reserve (Proved & Probable): 87.86 MT & Resources 65.08 MT and Dolomite, Reserve (Proved & Probable): 23.22MT & Resources 17.85MT.	Reserve as on 01.04.2019 as per Annual return Limestone 111: 69.99 million tons 122: 9.78 million tons Dolomite 111:3.70 million ton 122: 0.890 million tons	Reserve as on 01.04.2019 as per Annual return Limestone 111: 69.99 million tons 122: 9.78 million tons Dolomite 111:3.70 million ton 122: 0.890 million tons
1f	General remarks of inspecting officers on geology, exploration etc	218 nos of boreholes of total meterage 17,540m in 2018-19.	In 2018-19 was only 10 nos of boreholes of total meterage 1,118.20 m have been drilled by lessee. As on 01.04.2019, area explored under G1 is 283.623 Ha and under G2 is 90.712 Ha.	As on 01.04.2019, area explored under G1 is 283.623 Ha and under G2 is 90.712 Ha. Violation letter and show cause notice has been issued for deviation of exploration proposal for the year 2018-19.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Q 1-3: 4626-5017 N & 3919-4797 E Q 2-6 : 4778-5708 N & 5910-7038 E Q 4-5 : 4926-5220 N,& 4823-5535 E	Q 1-3: 4626-5017 N & 3919-4797 E Q 2-6 : 4778-5708 N & 5910-7038 E Q 4-5 : 4926-5220 N,& 4823-5535 E	Location of development is within the the approved proposal.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches in Ore and OB. No separate bench of top soil as soil is intermixed with IB.	No separate benches in Ore and OB as limestone is exposed from top. No separate bench of top soil as soil is intermixed with IB.	No separate benches in Ore and OB. No separate bench of top soil as soil is intermixed with IB.
2c	Stripping ratio or ore to OB ratio	1: 0.84	1: 0.64	Stripping ratio is less due to less development & ROM production.
2d	Quantity of topsoil generation in m3	Not Proposed as soil is mixed with IB	There is no top soil generation.	There is no top soil generation.
2e	Quantity of overburden generation in m3	1510700 m ³	Total waste generated in 2018-19 was 1016562 m ³	Total waste generated is less due to less ROM production.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development is proposed in 03 quarries i.e Q 1-3, Q 2-6 & Q 4-5	Development is carried out in 03 quarries i.e Q 1-3, Q 2-6 & Q 4-5 as per approved proposal.	Development is carried out in 03 quarries i.e Q 1-3, Q 2-6 & Q 4-5 as per approved proposal.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Three nos of pits proposed for production, namely Q1-3, Q2-6 & Q4-5	Working is concentrated in three nos. of pits, namely Q1-3, Q2-6 & Q4-5.	Working is concentrated in three nos. of pits, namely Q1-3, Q2-6 & Q4-5 as per proposal.
3b	Quantity of ROM mineral production proposed	In 2018-19, ROM Limestone 4492750 tonnes and usable dolomite 46150 tonnes respectively.	In 2018-19, ROM quantity for limestone and usable dolomite achieved was 3947099 tonnes and 43664 tonnes respectively.	In 2018-19, ROM quantity for limestone and usable dolomite achieved was 3947099 tonnes and 43664 tonnes respectively.
3c	Recovery of sailable/usable mineral from ROM production	4214750 tonnes.	Total ROM after blending with low grade has been utilised for plant.	Total ROM after blending with low grade has been utilised for plant.

3d	Quantity of mineral reject generation	Mineral Reject limestone - 278000 tonnes	Mineral reject generated during the mining operation has been utilised by blending with high grade.	Mineral reject generated during the mining operation has been utilised by blending with high grade.
3e	Grade of mineral rejects generation and threshold value declared.	35-38% CaO and MgO < 7%	Mineral Reject grade of Limestone is 35-38% CaO and MgO < 7%	Mineral reject generated during the mining operation has been utilised by blending with high grade.
3f	Quantity of sub grade mineral generation.	Mineral Reject limestone - 278000 tonnes	Mineral reject generated during the mining operation has been utilised by blending with high grade.	Mineral reject generated during the mining operation has been utilised by blending with high grade.
3g	Grade of sub grade mineral generation	35-38% CaO and MgO < 7%	Mineral Reject grade of Limestone is 35-38% CaO and MgO < 7%	Mineral reject generated during the mining operation has been utilised by 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	Only crushing and reduction of ROM to output size 75 mm is being practiced.	Only crushing and reduction of ROM to output size 75 mm is being practiced.

3j	Provision of drilling and blasting in mineral benches	Hydraulic drills are in operation. Broad blasting parameters as proposed are: Height of the bench: 8 m, Sub-drilling: 0.5 m, Depth of Blasthole: 8.5 m, Burden:3.2 m, Spacing: 3.7 m, Hole diameter: 115 mm	Drilling is carried out Atlascopco & Sandvik Hyd drill of 115 mm dia, Blasting Parameters: Burden-3.2 m, Bench Height- 8m, Spacing -3.7 m. Blasting is done with use of SME, Cast booster , Electronics detonator & NONEL to produce better fragmentation.	Drilling is carried out Atlascopco & Sandvik Hyd drill of 115 mm dia, Blasting Parameters: Burden-3.2 m, Bench Height- 8m, Spacing -3.7 m. Blasting is done with use of SME, Cast booster , Electronics detonator & NONEL to produce better fragmentation.
3k	Provision of mining machineries in mineral benches	Shovel (Hydraulic) 1,4,6 cum- 10 nos;; dumper 35T, 50T: 33 nos; Dozer 320 HP: 3 nos; Rock drill (non-electric) 110 mm : 3 nos etc.	Shovel (Hydraulic) 1,4,6 cum- 10 nos;; dumper 35T, 50T: 33 nos; Dozer 320 HP: 3 nos; Rock drill (non-electric) 110 mm : 3 nos etc.	Excavator, Loader and Dumper are used in combination for winning of the mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of bench proposed is 8 m.	Height of the bench is suitably matched with excavators.	Average Height of the bench at 8m is maintained.
3m	Total area covered under excavation/pits	Area under mining at the end of plan period proposed is 144.71 Ha.	Area under mining at the end of 2018-19 is 142.583 Ha. Data as furnished in Annual Return for 2018-19.	Area under mining at the end of 2018-19 is 142.583 Ha. Data as furnished in Annual Return for 2018-19.
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.84	1: 0.64	Stripping ratio is less due to less dvelopment & ROM production.

3o	Total area put in use under different heads at the end of year	Total area put under different head at the end of plan period is 226.65 ha	Area covered under O/C workings; 142.583 Ha, Area used for waste disposal: 59.46 Ha, Area occupied by plant, buildings, residential, welfare buildings & roads: 22.48 Ha	Area covered under O/C workings; 142.583 Ha, Area used for waste disposal: 59.46 Ha, Area occupied by plant, buildings, residential, welfare buildings & roads: 22.48 Ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15 : Limestone = 4200000 MT, 2015-16 : Limestone = 4169650 MT, 2016-17 : Limestone = 4358710 MT, 2017-18 : Limestone = 4389690 MT, 2018-19 : Limestone = 4492750 MT	2014-15 : Limestone = 2789670.50 MT, 2015-16 : Limestone = 3539799.50 MT, 2016-17 : Limestone = 3828182.64 MT, 2017-18 : Limestone = 4150721.00 MT, 2018-19 : Limestone = 3947099.00 MT	ROM production is less than proposal as per requirement of captive plant.
3q	General remarks of inspecting officers on method of mining etc.	Three nos of pits proposed for production, namely Q1-3, Q2-6 & Q4-5.	Excavation of ROM is carried out from 03 pits i.e Q 1-3, Q 2-6 & Q 4-5. Method of mining is fully mechanised with shovel dumper combination. The ROM after crushing is transported through belt conveyor to its captive plant.	Excavation of ROM is carried out in 03 quarries i.e Q 1-3, Q 2-6 & Q 4-5 as per approved proposal.

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 waste has been proposed. No top soil and mineral reject dump has been proposed.	Waste dumping has been done over the backfilled area as per proposal.	Waste dumping has been done over the backfilled area as per proposal.

4b	Location of topsoil, OB and mineral reject dumps	Location of waste dumping: 5000-5430 N & 3800-4555E.	Location of OB dumping: 5000-5430 N & 3800-4555E	There was no proposal for separate mineral reject and top soil dump.
4c	Number of dumps within lease area and outside of lease area	One no of active dump and 11 nos of inactive dump within lease area.	There are one no of active and 11 nos. of inactive dumps within lease area. There is one old dump namely dump no 6S on the southern side of the mining lease boundary between boundary pillar no O & P.	The presence of old dump outside the lease boundary has been intimated to State Government via letter no MSM/FM/08-ORI/BHU/2019-20/790 dated 26.07.19.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Location of dump outside the UPL	Location of dump outside the UPL	Location of dump outside the UPL
4e	Number of active and alive dumps.	One no of active dump within lease area	One no of active dump within lease area	One no of active dump within lease area
4f	Number of dead dumps.	Not specified.	There are 11 nos of dead dump within lease area.	There are 11 nos of dead dump within lease area.
4g	Number of dumps established.	Slope of the active dump.	Slope of the active dump is stabilised by plntation.	Dead dumps have been stabilized through plantation within lease area.
4h	Whether Retaining wall or garland drain all along dumps are there.	Length of the retaining wall proposed to be constructed in 2018-19 was 538 m	Length of the retaining wall constructed in 2018-19 was 150 m only. Violation letter has been issued to lessee for non-compliance of proposal.	Length of the retaining wall constructed in 2018-19 was 150 m only. Violation letter has been issued to lessee for non-compliance of proposal.
4i	Length of Retaining wall or garland drain all along dumps	Length of the retaining wall proposed to be constructed in 2018-19 was 538 m	Length of the retaining wall constructed in 2018-19 was 150 m only. Violation letter has been issued to lessee for non-compliance of proposal.	Length of the retaining wall constructed in 2018-19 was 150 m only. Violation letter has been issued to lessee for non-compliance of proposal.

4j	Number of settling ponds	Desilting of settling ponds have been proposed in 2018-19.	Desilting of settling ponds have been done as proposed.	Desilting of settling ponds have been done as proposed.
4k	Specific comments of inspecting officer on waste dump management	One no. of active proposed. Length of the retaining wall proposed to be constructed in 2018-19 was 538 m.	There are one no. of active and 11 nos. of inactive dumps within lease area. The location of active OB dump between coordinates 5000-5430 N & 3800-4555E. Length of the retaining wall constructed in 2018-19 was 150 m only. Violation letter has been issued to lessee for non-compliance of proposal.	There is one old dump namely dump no 6S on the southern side of the mining lease is outside the mining lease boundary between boundary pillar no O & P. It has been intimated to state government via letter no MSM/FM/08-ORI/BHU/2019-20/790 dated 26.07.19.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not Proposed	Not Applicable.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	Not Proposed	Not Applicable.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	There is no separate top soil generation.	There is no separate top soil generation.

5d	Total area fully reclaimed and rehabilitated	Not Proposed	Not Applicable.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling has not been proposed.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.

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 specified.	Annual Return on PMCP for the year 2018-19 has been submitted.	Annual Return on PMCP for the year 2018-19 has been submitted.
6b	Area available for rehabilitation (ha) .	Not proposed.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.
6c	afforestation done (ha).	Gap plantation in 2.0 ha area.	In 2018-19, 4100 nos. of saplings have been planted by lessee	In 2018-19, 4100 nos. of saplings have been planted by lessee
6d	No. of saplings planted during the year	4000 nos. of saplings	In 2018-19, 4100 nos. of saplings has been planted.	In 2018-19, 4100 nos. of saplings has been planted.
6e	Cumulative no .of plants	Not Specified	Cummulative nos. of saplings planted in the lease area is about 326734 nos.	Cummulative nos. of saplings planted in the lease area is about 326734 nos.
6f	Any other method of rehabilitation	Not Proposed	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues 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 16.74 lakh cost incurred on watch and care.	Around Rs 16.74 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	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues 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	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues 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	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues 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	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues 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	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not Proposed	Nil.	There is no proposal of waste land rehabilitation.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Nil.	There is no proposal of waste land rehabilitation.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Nil.	There is no proposal of waste land rehabilitation.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring	Quarterly monitoring	Quarterly monitoring of air, water and noise are being carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposal for reclamation and rehabilitation	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Cement Grade limestone	Cement Grade limestone dispatched to captive plant.	Cement Grade limestone dispatched to captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mechanised	Mechanised
7c	Different grade of mineral sorted out at mines.	CaO >38% & MgO 5-7% and CaO 35-38% & MgO 5-7%	Cement Grade limestone CaO >38% & MgO <7% is directly send to captive plant.	Cement Grade limestone CaO >38% & MgO <7% is directly send to captive plant.

7d	Any beneficiation process at mines	Not Proposed	Only crushing and reduction of ROM to output size 75 mm is being practiced.	Only crushing and reduction of ROM to output size 75 mm is being practiced.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Cement Grade limestone CaO >38% & MgO <7% is directly send to captive plant.	Cement Grade limestone CaO >38% & MgO <7% is directly send to captive plant.	No proposal for any beneficiation of limestone, only crushing and reduction of ROM to output size 75 mm is being practiced.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	There is no separate top soil soil generation as the pits are already developed.	There is no separate top soil soil generation as the pits are already developed.
8b	Concurrent use or storage of topsoil	Not proposed.	There is no separate top soil soil generation as the pits are already developed.	There is no separate top soil soil generation as the pits are already developed.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of waste in location between coordinates 5000-5430 N & 3800-4555E has been proposed.	Separate dumping of waste in location between coordinates 5000-5430 N & 3800-4555E has been done as per proposal.	Separate dumping of waste in location between coordinates 5000-5430 N & 3800-4555E has been done as per proposal.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.	Mineralisation continues in depth and pits are not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	4000 nos. of saplings.	Total 4100 nos. of saplings have been planted during 2018-19.	Total 4100 nos. of saplings have been planted during 2018-19.
8g	Survival rate	Not sprcified.	As reported the survival rate is 70%.	As reported the survival rate is 70%.
8h	Water sprinkling on roads to control airborne dust	Water tanker- 04	04 Water tanker of 10 & 18KL are used to control airborne dust.	04 Water tanker of 10 & 18KL are used to control airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	4000 nos. of saplings in 2018-19.	Aesthetic beauty in and around mines is mainted. In 2018-19, 4100 nos. of saplings have been planted by the lessee.	Aesthetic beauty in and around mines is mainted. In 2018-19, 4100 nos. of saplings have been planted by the lessee.

Compliance of Rule 45:

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

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Mining Engineer, Geologist and Manager have been furnished in Annual return for 2018-19.	Information on Mining Engineer, Geologist and Manager have been furnished in Annual return for 2018-19.	Information on Mining Engineer, Geologist and Manager have been furnished in Annual return for 2018-19.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under O/C workings; 142.583 Ha, Area used for waste disposal: 59.46 Ha, Area occupied by plant, buildings, residential, welfare buildings & roads: 22.48 Ha	Area covered under O/C workings; 142.583 Ha, Area used for waste disposal: 59.46 Ha, Area occupied by plant, buildings, residential, welfare buildings & roads: 22.48 Ha	Area covered under O/C workings; 142.583 Ha, Area used for waste disposal: 59.46 Ha, Area occupied by plant, buildings, residential, welfare buildings & roads: 22.48 Ha
9d	Scrutiny of Annual return on afforestation	Total 4100 nos. of saplings have been planted during the year 2018-19.	Total 4100 nos. of saplings have been planted during the year 2018-19.	Total 4100 nos. of saplings have been planted during the year 2018-19.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of ROM limestone: 6505.23 tonnes	Closing stock of ROM limestone: 6505.23 tonnes	Closing stock of ROM limestone: 6505.23 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price of cement grade limestone -Rs 297.07/tonne	Ex-mine price of cement grade limestone -Rs 297.07/tonne	Ex-mine price of cement grade limestone -Rs 297.07/tonne
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets- Rs 1092281171	Value of fixed assets- Rs 1092281171	Value of fixed assets- Rs 1092281171

9k	Scrutiny of Annual return on mining machineries	Shovel (Hydraulic) 1,4,6 cum: 10 nos; dumper (35 T, 50 T capacity): 33 nos; Grader (145 HP capacity): 1 no; Rock drill: 4 nos; Backhoe (1 cum capacity) : 1 no etc.	Shovel (Hydraulic) 1,4,6 cum: 10 nos; dumper (35 T, 50 T capacity): 33 nos; Grader (145 HP capacity): 1 no; Rock drill: 4 nos; Backhoe (1 cum capacity) : 1 no etc.	Shovel (Hydraulic) 1,4,6 cum: 10 nos; dumper (35 T, 50 T capacity): 33 nos; Grader (145 HP capacity): 1 no; Rock drill: 4 nos; Backhoe (1 cum capacity) : 1 no etc.
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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
Violations & show cause for rule 11(c) has issued on 13.08.19 & 23.10.19 respectively.			
Date : 02.12.2019		(DAYANAND UPADHYAY)	

Indian Bureau of Mines