

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/LST/BRG/MCDR-2/BBS

Mine code : 38ORI12002

- (i) Name of the Inspecting : **U11**) **DAYANAND UPADHYAY**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Sabyasachi Mishra, Dy.General Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 17/12/2018
- (v) Prev.inspection date : 06/01/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DUNGRI**
- (b) **Registration NO.** : **IBM/256/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : BARGARH
- Village : DUNGRI
- Taluka : BHATLI
- Post office : DLQ COLONY CAMPUS
- Pin Code : 768052
- FAX No. : 06646-264144
- E-mail : neerah.akhoury@acclimited.c
- Phone : 06646-264144 ,264130
- (f) Police Station : Ambabhona
- (g) First opening date : 04/04/1966
- (h) Weekly day of rest : SUN
2. Address for : DUNGRI LIME STONE QUARRY
correspondance AT/PO-D.L.Q. COLONY CAMPUS
DIST-BARGARH
3. (a) Lease Number : ORI0002
- (b) Lease area : 502.21
- (c) Period of lease :
- (d) Date of Expiry : 31/03/2030
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S ACC LTD.
 DUNGRI LIMESTONE QUARRY PO:
 DUNGRI, DIST: BARGARH
 BARGARH ORISSA
 Phone:06646-264144
 FAX :06646-264130

Owner : Neeraj Akhoury, Nominated Owner
 Cement House 121, M.K.
 Road, Mumbai Maharastra
 MUMBAI (SUBURBAN)
 MAHARASHTRA
 Phone: 06646264130
 FAX : 06646264130

Agent : Manoj Kumar Shrivastava
 ACC campus Bargarh BARGARH
 ORISSA
 Phone: 9777447500
 FAX : 06646264130

Mining Engineer

Name : Sujoy Kundu, Full Time
 Qualification : B.tech (Mining)
 Appointment/ : 25/08/2015
 Termination date

Geologist

Name : Jagannath Behera, Full Time
 Qualification : M.Sc in Geology
 Appointment/ : 26/10/2017
 Termination date

Manager

Name : Sabyasachi Mishra
 Qualification : BE(Mining)
 Appointment/ : 15/10/2018
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	21/08/2002
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	29/12/2005
	:	FMCP under 23C(1)	29/12/2005
	:	Mining Scheme rule 12 MCDR1988	04/06/2010
	:	Mining Scheme rule 12 MCDR1988	02/06/2015
	:	FMCP under 23C(1)	04/05/2016
	:	MP modif under MCR 1960	27/06/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	In 2017-18, exploration not proposed.	In 2017-18 no bore holes was proposed. Number of boreholes drilled in 2016-17 was 27 nos. as per proposal.	No back log for exploration for the year 2017-18.
1b	Exploration over lease area for geological axis 1 or 2	In 2017-18, exploration not proposed.	Lease area explored under UNFC level of G1 is 219.22 Ha. which is potentially mineralized and about 209.686 ha area has been proved non mineralized by exploration.	Lease area explored under UNFC level of G1 is 219.22 Ha.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	In 2017-18, exploration not proposed.	Nil.	In 2016-17 Exploration is carried out by M/s Synergy Geotech Pvt. Ltd. and expenditure incurred about Rs 16.20 Lakh.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration not proposed.	The potentially mineralized area has been proved under G1 level and unexplored area has been proved by drilling for non-mineralization. The total area explored and found non-mineralized is 209.686 Ha.	G1 Level - 219.22 ha Explored in non-mineralized area - 209.686 ha. Total area - 428.906 ha.
1e	Balance reserve as on 01/04/20	Reserve & Resources as on 01.04.2016 is Reserve- 17.305 million tone and Resources 22.419 million tone,	Reserve & Resources as on 01.04.2018 Reserve : 15.702 million tone Resources: 22.419 million tone	Reserve & Resources as on 01.04.2018 Reserve : 15.702 million tone Resources: 22.419 million tone

1f	General remarks of inspecting officers on geology, exploration etc	In 2017-18, exploration not proposed.	The potentially mineralized area has been explored under G1 level of UNFC. The remaining area of 209.686 ha has been proved for non-mineralization.	Exploration carried out under G1 Level - 219.22 ha, Explored in non-mineralized area - 209.686 ha., Total area - 428.906 ha.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	QuarryNo.5 & 6. Coordinate: E 400-E1000 and N4430-N4850	QuarryNo.5 & 6. Coordinate: E 400-E1000 and N4430- N4850	QuarryNo.5 & 6. Coordinate: E 400-E1000 and N4430-N4850
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and mineral proposed	Separate benches in OB and mineral maintained	Separate benches in OB and mineral maintained
2c	Stripping ratio or ore to OB ratio	1:0.56	1:0.45	The ROM production was less, so that waste generation was less leading to stripping ratio less.
2d	Quantity of topsoil generation in m3	29,610 m3	11,190 m3	Mining working was carried out in prior development area and less degraded the new area.
2e	Quantity of overburden generation in m3	9,09,900 m3 (Top Soil + OB/IB)	6,75,163 m3	As per requirement of captive plant, the ROM production is less than proposal therefore waste handling is less.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	QuarryNo.5 & 6. Coordinate: E 400-E1000 and N4430-N4850	The development of the Quarry has been done as per the proposal.	The development of the Quarry has been done as per the proposal. Separate benches in ore and OB maintained. The generation of waste was less due to ROM production was less
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 pits	Working is concentrated in 02 pits.	Working is concentrated in Quarry No. 5 & 6
3b	Quantity of ROM mineral production proposed	14,25,350 T (Limestone) + 11,21,018T (Sub-grade) Total = 2546368T	8,49,520T (Limestone) + 3,28,911T (Sub-grade) Total = 1178431T	ROM production is less due to brekdown and maintainance of captive plant .
3c	Recovery of sailable/usable mineral from ROM production	14,25,350 MT	8,49,520MT	ROM production is less due to brekdown and maintainance of captive plant .
3d	Quantity of mineral reject generation	11,21,018MT	3,28,911MT	Mineral reject generation is low due to less ROM production as proposed.
3e	Grade of mineral rejects generation and threshold value declared.	CaO (+35% to -40%)	CaO (+35% to -40%)	CaO (+35% to -40%) SiO2 18%) Threshold value +35% Cao, 18% SiO2
3f	Quantity of sub grade mineral generation.	11,21,018MT	3,28,911MT	Mineral reject generation is low due to less ROM production as proposed.
3g	Grade of sub grade mineral generation	CaO (+35% to -40%)	CaO (+35% to -40%)	CaO (+35% to -40%) SiO2 18%) Threshold value +35% Cao, 18% SiO2

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	Mechanized
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil.	The ROM excavated is subjected to dry crushing in the crusher 600TPH installed at mines. The output size of feed is - 50mm.
3j	Provision of drilling and blasting in mineral benches	Deep hole balsting with 110mm dia blast holes.	Blasting is done by using ANFO and slurry explosive with 110mm dia blast holes. The latest initiation technique i.e., NONEL is used to control ground vibration, noise and air blast.	Blasting is done by using ANFO and slurry explosive with 110mm dia blast holes. Spacing :3-4m, & Burden: 3m
3k	Provision of mining machineries in mineral benches	DRILL MACHINE- 1, BACK HOE 3.2 CU.M-1, SHOVEL (HYDRAULIC) 1.7/2.7/4 cu.m- 6,, DUMPER 25/40/50T-40, CRUSHER - 600TPH T/H-1, WATER TANKER L-1, EXPLOSIVE VAN-1	DRILL MACHINE-1, BACK HOE 3.2 CU.M-1, SHOVEL (HYDRAULIC) 1.7/2.7/4 cu.m- 6,, DUMPER 25/40/50T-40, CRUSHER - 600TPH T/H-1, WATER TANKER L-1, EXPLOSIVE VAN-1	DRILL MACHINE-1, BACK HOE 3.2 CU.M- 1, SHOVEL (HYDRAULIC) 1.7/2.7/4 cu.m- 6,, DUMPER 25/40/50T-40, CRUSHER -600TPH T/H-1, WATER TANKER L-1, EXPLOSIVE VAN-1
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height- 9m	Bench height is suitably matched with the excavator.	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation/pits	152.52 ha proposed during approved plan period.	About 114.77 ha area has been covered under excavation pits.	About 114.77 ha area has been covered under excavation pits.

3n	Ore to OB ratio for the pit/mine during the year.	1:0.56	1:0.45	The ROM production was less, so that waste generation was less leading to stripping ratio less.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pit-152.15 ha, waste dump-24.31 ha, roads-8.57 ha & Mineral storage-13.30, infrastructure -3.97, railway-3.44 & others -15.59 ha.	Total area covered under different heads are Pit-114.77 ha, waste dump-24.31 ha, roads-8.57 ha & Mineral storage-10.22, infrastructure-3.97, railway-3.44 & others -15.59 ha.	Total area covered under different heads are Pit-114.77 ha, waste dump-24.31 ha, roads-8.57 ha & Mineral storage-10.22, infrastructure-3.97, railway-3.44 & others -15.59 ha.
3p	Production of ROM mineral during the last five year period as applicable	2013-14 = 14,69,820MT 2014-15 = 14,69,820MT 2015-16 = 14,11,943MT 2016-17 = 1940461MT 2017-18 = 2546368MT	2013-14 = 9,95,776 MT 2014-15 = 5,14,764 MT 2015-16 = 6,90,535 MT 2016-17 = 7,53.968 MT 2017-18= 8,49,520 MT	ROM Production is less due to less requirement of its captive plant.
3q	General remarks of inspecting officers on method of mining etc.	Excavation of ROM has been proposed from Quarry 5 & 6 .	The ROM production has been carried out from Quarry 5 & 6 . DTH drilling of 110mm dia. Blast hole with ANFOexplosive alongwith NONEL is being practiced for drilling and blasting.	The ROM production has been carried out from Quarry 5 & 6 . DTH drilling of 110mm dia. Blast hole with ANFOexplosive alongwith NONEL is being practiced for drilling and blasting.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of dumping of OB and top soil.	During mining operation overburden generated is back filled in mined out area and top soil spread over back filled area for plantation purpose.	The entire OB and top soil generated for the year 2017-18 has been utilised in backfilling and reclamation and rehabilitation.
4b	Location of topsoil, OB and mineral reject dumps	Mineral reject : E 790 - 1130 & N 4340 - 4510, No proposal for storage of top soil and OB.	Sub grade is Stacked as per SOM (E 820 -1110 & N 4300 - 4420).	During mining operation overburden generated is back filled in mined out area and top soil spread over back filled area for plantation purpose.
4c	Number of dumps within lease area and outside of lease area	Dumping not proposed.	Simultaneous Backfilling of mined out area has been practiced.	There are 10 nos. of old dump lying within lease area which are mostly rehabilitated by plantation.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumping not proposed.	Simultaneous Backfilling of mined out area has been practiced.	There are 10 nos. of old dump lying within lease area which are mostly rehabilitated by plantation.
4e	Number of active and alive dumps.	Dumping not proposed.	Simultaneous Backfilling of mined out area has been practiced.	No external dumping is carried out.
4f	Number of dead dumps.	Not proposed.	There are 10 nos. of old dump lying within lease area which are mostly rehabilitated by plantation.	There are 10 nos. of old dump lying within lease area which are mostly rehabilitated by plantation.
4g	Number of dumps established.	Not proposed.	There are 10 nos. of old dump lying within lease area which are mostly rehabilitated by plantation.	There are 10 nos. of old dump lying within lease area which are mostly rehabilitated by plantation.

4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	Retaining wall & Garland drain around the dumps have been constructed by lessee.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall - 3,284 m, Garland drain - 6187 m	Retaining wall - 3,305 m Garland drain - 6230 m	Proposed Retaining wall & Garland drain around the dumps have been constructed by lessee.
4j	Number of settling ponds	Not proposed.	Only desilting of existing ponds as proposed is carried out.	Only desilting of existing ponds as proposed is carried out.
4k	Specific comments of inspecting officer on waste dump management	No external dumping of OB proposed.	No external dumping is carried out. Simultaneous Backfilling of mined out area has been practiced.	There are 10 nos. of old dump lying within lease area which are mostly rehabilitated 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.	Simultaneous Back filling.	Back filling is carried out after extraction of mineral from mined out area.	Back filling is carried out after extraction of mineral from mined out area.
5b	Area under backfilling of mined out area	6.38ha	4.80ha	Due to less ROM production and less development Backfilled area is less than proposed. Deviation is also pointed out through violation letter.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of topsoil for restoration or rehabilitation .	Concurrent use of topsoil for restoration or rehabilitation is being practiced.	11,190M3 topsoil used for reclamation and rehabilitation of mined out area.
5d	Total area fully reclaimed and rehabilitated	10.41Ha	6.44 ha.	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Concurrent Backfilling.	Concurrent Backfilling and reclamation and rehabilitation of mined out area is practiced.	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.

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 report on PMCP has been submitted for the year 2017-18.	Annual report on PMCP has been submitted for the year 2017-18.
6b	Area available for rehabilitation (ha) .	10.41ha	6.44ha	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.

6c	afforestation done (ha).	10.41ha	6.44ha	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed therefore less nos. saplings planted by lessee. Deviation is pointed out through violation letter.
6d	No. of saplings planted during the year	32,425 Nos of saplings.	In 2017-18, total 26,099 nos. of saplings have been planted by lessee.	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed therefore less nos. saplings planted by lessee. Deviation is pointed out through violation letter.
6e	Cumulative no .of plants	Not specified.	Total 3,54,577 Nos. plants planted within the lease area over an area of 97.44ha.	Total 3,54,577 Nos. plants planted within the lease area over an area of 97.44ha.
6f	Any other method of rehabilitation	Not specified.	Reclamation and rehabilitation is practiced by bacfilling to restore the original ground with plantation.	Reclamation and rehabilitation is practiced by bacfilling to restore the original ground with plantation.
6g	Cost incurred on watch and care during the year	Not specified.	Around Rs 11.21 lakh cost incurred on watch and care.	Around Rs 11.21 lakh cost incurred on watch and care.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	10.41ha	6.44ha	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	10.41ha	6.44ha	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	10.41ha	6.44ha	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed therefore less nos. saplings planted by lessee. Deviation is pointed out through violation letter.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not propopsed. Not applicable.		Concurrent Backfilling of waste in mined out area and reclamation and rehabilitation of mined out area is practiced.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed.	Concurrent Backfilling of waste in mined out area and reclamation and rehabilitation of mined out area is practiced.	Concurrent Backfilling of waste in mined out area and reclamation and rehabilitation of mined out area is practiced.

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	Not applicable.	Nil.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	Not applicable.	Nil.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	Not applicable.	Nil.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring	Quarterly monitoring of AAQ, Water Quality and Noise level are being carried out through a recognized Environmental consultant, M/S Mitra S K.	Quarterly monitoring of AAQ, Water Quality and Noise level are being carried out through a recognized Environmental consultant, M/S Mitra S K.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Reclamation and rehabilitation of 10.41ha area.	About 6.41 ha mined out area has been reclaimed and rehabilitated.	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Plants acceptable grade of ore +40% CaO.	The ore produced from mine is being consumed at our Captive Plant at Bardol, Bargarh. Plants acceptable grade of ore is +40% CaO.	The ROM will be fed to the dry crushing plant which will be reduced to the size of -50 mm and will be directly used in the captive plant for cement manufacturing.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanically	Mechanically	Mechanical method is being practiced.
7c	Different grade of mineral sorted out at mines.	+35% to -40% & +40%CaO	+35% to -40% & +40%CaO	+35% to -40% CaO and -18% SiO ₂ is stored as Sub-grade mineral stacked separately for future use.
7d	Any beneficiation process at mines	Not proposed.	Not applicable.	Crusher is used for sizing only.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Plants acceptable grade of ore +40% CaO.	The ore produced from mine is being consumed at our Captive Plant at Bardol, Bargarh. Plants acceptable grade of ore is +40% CaO.	+35% to -40% CaO and -18% SiO ₂ is stored as Sub-grade mineral stacked separately for future use.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	29,610M3 topsoil	Separate removal and utilization is practiced over backfilled area. 11,190 M3 topsoil is spread over back fill area for plantation.	Due to less ROM production and less development topsoil generated is less. Reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.
8b	Concurrent use or storage of topsoil	top soil proposed for plantation over backfilled area	Generated top soil is utilized for plantation over backfilled area.	Concurrent use of topsoil for plantation over backfilled area is practiced.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of dumping of OB. Concurrent backfilling is proposed.	During mining operation overburden generated is back filled in mined out area and top soil spread over back filled area for plantation purpose. Sub grade is Stacked as per proposal. (E 820 - 1110 & N 4300 - 4420).	During mining operation overburden generated is back filled in mined out area and top soil spread over back filled area for plantation purpose.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Concurrent backfilling is proposed.	During mining operation overburden generated is back filled in mined out area and top soil spread over back filled area for plantation purpose. Sub grade is Stacked as per proposal. (E 820 - 1110 & N 4300 - 4420).	During mining operation overburden generated is back filled in mined out area and top soil spread over back filled area for plantation purpose.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation and rehabilitation of 10.41 ha area.	In 2017-18, 6.44 ha is reclaimed and rehabilitated.	Due to less ROM production and less development reclaimed & rehabilitated area is less than proposed. Deviation is pointed out through violation letter.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	32,425 Nos of saplings.	Number of saplings planted during the year was 26,099 Nos. Cumulatively 3,54,577 Nos. plants planted within the lease area.	Cumulatively 3,54,577 Nos. plants planted within the lease area.
8g	Survival rate	Not specified.	Survival rate within lease area is 85%.	Survival rate within lease area is 85%.
8h	Water sprinkling on roads to control airborne dust	Water tanker to suppression the dust in haul road.	15KL, 02 water tankers are used to suppression the dust in haul road.	15KL, 02 water tankers are used to suppression the dust in haul road.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	32,425 Nos of saplings. in 2017-18.	Number of saplings planted during the year was 26,099 Nos. Cumulatively 3,54,577 Nos. plants planted within the lease area.	Aesthetic beauty in and around mines area is maintained by plantation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return for the year 2017-18 has been submitted.	Annual return for the year 2017-18 has been submitted.	Annual return for the year 2017-18 has been submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Graduate Mining Engineer: 6, Diploma Mining Engineer: 5, Geologist: 1	Graduate Mining Engineer: 6, Diploma Mining Engineer: 5, Geologist: 1	Graduate Mining Engineer: 6, Diploma Mining Engineer: 5, Geologist: 1
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-114.77 ha, waste dump-57.94 ha, reclaimed & rehabilitated-46.80, infrastructure, roads-15.91 & others -37.07 ha.	Pit-114.77 ha, waste dump-57.94 ha, reclaimed & rehabilitated-46.80, infrastructure, roads-15.91 & others -37.07 ha.	Pit-114.77 ha, waste dump-57.94 ha, reclaimed & rehabilitated-46.80, infrastructure, roads-15.91 & others -37.07 ha.

9d	Scrutiny of Annual return on afforestation	26,099 Nos.	26,099 Nos.	26,099 Nos.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	3,28,911MT MT of Grade CaO-38% ,SiO2-18 %, MgO-1 %	3,28,911MT MT of Grade CaO-38% ,SiO2-18 %, MgO-1 %	3,28,911MT MT of Grade CaO-38% ,SiO2-18 %, MgO-1 %
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of cement grade limestone at mine head is 33582.551 MT as on 31.03.2018.	Closing stock of cement grade limestone at mine head is 33582.551 MT as on 31.03.2018.	Closing stock of cement grade limestone at mine head is 33582.551 MT as on 31.03.2018.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price (in Rs Per Tonne) of cement grade limestone is Rs 418.23	Ex-mine price (in Rs Per Tonne) of cement grade limestone is Rs 418.23	Ex-mine price (in Rs Per Tonne) of cement grade limestone is Rs 418.23
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets Rs 306661701/-	Value of Fixed Assets Rs 306661701/-	Value of Fixed Assets Rs 306661701/-
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) : 2, BACK HOE : 7, FRONT END LOADER: 3, DUMPER: 34, BLAST HOST DRILL: 2, DOZER: 2 GRADER :1 etc.	SHOVEL (HYDRAULIC) : 2, BACK HOE : 7, FRONT END LOADER: 3, DUMPER: 34, BLAST HOST DRILL: 2, DOZER: 2 GRADER :1 etc.	SHOVEL (HYDRAULIC) : 2, BACK HOE : 7, FRONT END LOADER: 3, DUMPER: 34, BLAST HOST DRILL: 2, DOZER: 2 GRADER :1 etc.

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
MCDR17	Rule 11(1)	28/12/2018			

Date :

(DAYANAND UPADHYAY)

Indian Bureau of Mines