

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : SRM) SHRI SUDIP RANJAN MAZUMDAR
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Sabyasachi Mishra, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 18/09/2019
- (v) Prev.inspection date : 17/12/2018

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 : neeraj.akhoury@acclimited.
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~~ 428.096 Ha
- (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 Maharashtra
 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/ : 12/07/2019
 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/ : 05/10/2018
 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	Yearwise Proposal for drilling: 2016-17: 27 BHs 2017-18: Nil 2018-19: Nil	Actual yearwise drilling carried out: 2016-17: 27 BHs 2017-18: Nil 2018-19: Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	No proposal for drilling in 2018-19	As per the modification of mining plan approved dated 10.04.2019, the lease area explored under different level of UNFC as on 28.02.2019 under G1 is 218.128 Ha and G2 is 210.778 Ha (non-mineralised).	As per the modification of mining plan approved dated 10.04.2019, the lease area explored under different level of UNFC as on 28.02.2019 under G1 is 218.128 Ha and G2 is 210.778 Ha (non-mineralised).
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Nil.	No proposal for drilling in 2018-19
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed as the mineralised area has been explored in G1 level.	As per the modification of mining plan approved dated 10.04.2019, the lease area explored under different level of UNFC as on 28.02.2019 under G1 is 218.128 Ha and G2 is 210.778 Ha (non-mineralised).	As per the modification of mining plan approved dated 10.04.2019, the lease area explored under different level of UNFC as on 28.02.2019 under G1 is 218.128 Ha and G2 is 210.778 Ha (non-mineralised).

1e	Balance reserve as on 01/04/20	Reserves/Resources as on 28.02.2019 under various categories of UNFC : Under 111 category: 19.667 million tonnes and under 211 category: 16.636 million tonnes. Total Reserve and resource as on 28.02.2019 is 36.303 million tonnes.	Reserve and resource as on 01.04.2019 as furnished in annual return under different level of UNFC: under 111 category: 19.557695 million tonnes and under 211 category: 16.637367 million tonnes. Total reserve and resource as on 01.04.2019 is 36.195 million tonnes	Reserve and resource as on 01.04.2019 as furnished in annual return under different level of UNFC: under 111 category: 19.557695 million tonnes and under 211 category: 16.637367 million tonnes. Total reserve and resource as on 01.04.2019 is 36.195 million tonnes
1f	General remarks of inspecting officers on geology, exploration etc	There was no proposal for exploration in 2018-19.	There was no proposal for exploration in 2018-19 and hence there was no exploration work in 2018-19. Further, there is no backlog of previous years exploration. As per the modification of mining plan approved dated 10.04.2019, the lease area explored under different level of UNFC as on 28.02.2019 under G1 is 218.128 Ha and G2 is 210.778 Ha (non-mineralised).	There was no proposal for exploration in 2018-19 and hence there was no exploration work in 2018-19. Further, there is no backlog of previous years exploration. As per the modification of mining plan approved dated 10.04.2019, the lease area explored under different level of UNFC as on 28.02.2019 under G1 is 218.128 Ha and G2 is 210.778 Ha (non-mineralised).

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	In 2018-19, development proposed in Quarry 5&6.	In 2018-19, development carried out oin Quarry 5&6.	In 2018-19, development carried out oin Quarry 5&6.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and mineral proposed	Separate benches in OB and mineral maintained; 5 benches in OB and 2 benches in Ore	Separate benches in OB and mineral maintained; 5 benches in OB and 2 benches in Ore
2c	Stripping ratio or ore to OB ratio	1:0.44 t/cum	1:0.54 t/cum	Nil
2d	Quantity of topsoil generation in m3	8,820 m3	7,050 m3	Mine working was carried out in prior development area and new area degradation was less as actual production was less than proposal.
2e	Quantity of overburden generation in m3	In 2018-19, the proposal for OB generation was 9,31,180 m3	Actual OB generated in 2018-19 was 585130 m3	Violation has been issued for less OB generation in 2018-19.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	In 2018-19, development proposed in Quarry 5& 6 with separate benches in Ore and OB. In 2018-19, the proposal for OB generation was 9,31,180 m3	In 2018-19, the development has been carried out in quarry 5&6. Separate benches in Ore and OB has been maintained. Actual OB generated in 2018-19 was 585130 m3 against the proposal of 9,31,180 m3 for which violation has been issued to lessee.	In 2018-19, the development has been carried out in quarry 5&6. Separate benches in Ore and OB has been maintained. Actual OB generated in 2018-19 was 585130 m3 against the proposal of 9,31,180 m3 for which violation has been issued to lessee.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	One	One	Quarry 5&6 (combined pit)
3b	Quantity of ROM mineral production proposed	In 2018-19, the ROM production proposal was 2082621 tonnes.	In 2018-19, the actual ROM production was 10,79,704 tonnes.	Nil
3c	Recovery of sailable/usable mineral from ROM production	69 %	84%.	Violation has been issued for less generation of mineral reject.
3d	Quantity of mineral reject generation	In 2018-19, the proposal for mineral reject generation was 652218 tonnes.	In 2018-19, the actual generation of mineral reject was 168045 tonnes.	Violation has been issued for less generation of mineral reject.
3e	Grade of mineral rejects generation and threshold value declared.	Threshold value for Limestone: CaO- 34% (Min.) and MgO-5% (Max.), Cut off grade for limestone is 40% CaO	In 2018-19, the Grade of mineral reject generated is 38% CaO, 1% MgO	In 2018-19, the Grade of mineral reject generated is 38% CaO, 1% MgO
3f	Quantity of sub grade mineral generation.	In 2018-19, the proposal for subgrade generation was 652218 tonnes.	In 2018-19, the actual generation of subgrade was 168045 tonnes.	Violation has been issued for less generation of mineral reject/subgrade
3g	Grade of sub grade mineral generation	Threshold value for Limestone: CaO- 34% (Min.) and MgO-5% (Max.), Cut off grade for limestone is 40% CaO	In 2018-19, the Grade of subgrade generated is 38% CaO, 1% MgO	In 2018-19, the Grade of subgrade generated is 38% CaO, 1% MgO
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Mechanised

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation of subgrade/mineral reject has been proposed	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	The blast hole drill of 115 mm diameter is used for drilling. Blasting is done by using ANFO and slurry explosives with NONEL. Blasting Pattern: V Pattern, Spacing : 3.0 to 5.0 meter and Burden: 2.5 to 3.0 meter.	The blast hole drill of 115 mm diameter is used for drilling. Blasting is done by using ANFO and slurry explosives with NONEL. Blasting Pattern: V Pattern, Spacing : 3.0 to 5.0 meter and Burden: 2.5 to 3.0 meter.	The blast hole drill of 115 mm diameter is used for drilling. Blasting is done by using ANFO and slurry explosives with NONEL. Blasting Pattern: V Pattern, Spacing : 3.0 to 5.0 meter and Burden: 2.5 to 3.0 meter.
3k	Provision of mining machineries in mineral benches	Shovel (Hydraulic) 4.0 cum 1 no Shovel (Hydraulic) 5.1 cum 1 no BACK HOE 2.7cum 1 no BACK HOE 0.9cum 3 no BACK HOE 3.5cum 1 no BACK HOE 2.8cum 3 no etc.	Shovel (Hydraulic) 4.0 cum 1 no Shovel (Hydraulic) 5.1 cum 1 no BACK HOE 2.7cum 1 no BACK HOE 0.9cum 3 no BACK HOE 3.5cum 1 no BACK HOE 2.8cum 3 no etc.	Shovel (Hydraulic) 4.0 cum 1 no Shovel (Hydraulic) 5.1 cum 1 no BACK HOE 2.7cum 1 no BACK HOE 0.9cum 3 no BACK HOE 3.5cum 1 no BACK HOE 2.8cum 3 no etc.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, as per approved mining plan the height of benches will be less than 9mtr and width of benches 18mtr to 22mtr.	Yes, Height and width of the benches maintained.	Height and width of the benches maintained.

3m	Total area covered under excavation/pits	Area under O/C at the end of the plan period 2019-20 is 172.18ha	Area under O/C at the end of 2018-19 is 111.60ha	Area under O/C at the end of 2018-19 is 111.60ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.44 t/cum	1:0.54 t/cum	1:0.54 t/cum
3o	Total area put in use under different heads at the end of year	At the end of the plan period for the year 2019-20 Area under Mining: 172.18ha Waste Dump Site : 57.94ha Mineral Storage : 13.59ha Infrastructure , Workshop, Administrative , Building : 3.97ha Roads : 8.50ha Railways : 3.44ha Retaining wall, Garland drain, plantation in safety zone & other area : 17.92ha Total area : 277.54ha	At the end of 2018-19: Area under Mining: 111.60ha Waste Dump Site : 57.94ha Mineral Storage : 10.22ha Infrastructure, Workshop, Administrative , Building : 3.97ha Roads : 8.50ha Railways : 3.44ha Retaining wall, Garland drain, plantation in safety zone & other area : 17.66ha Total area : 267.03ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2016-17 = 1940461 MT 2017-18 = 2546368 MT 2018-19 = 2082621 MT	2016-17 = 1144710 MT 2017-18= 1178431 MT 2018-19= 1079704 MT	Modification of Mining plan period 2016-17 to 2019-20

3g	General remarks of inspecting officers on method of mining etc.	In 2018-19, Quarry 5 & 6 was proposed for production. Quantity of mineral reject generation proposed was 652218 MT.	In 2018-19, the exploitation of mineral has been done from the quarry 5&6 within the development plan proposed for the year. The generation of mineral reject was 16804 5MT less than proposal and violation has been issued for less generation of mineral reject.	In 2018-19, the exploitation of mineral has been done from the quarry 5&6 within the development plan proposed for the year. The generation of mineral reject was 16804 5MT less than proposal and violation has been issued for less generation of mineral reject.
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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)	Overburden material will be backfilled in the mined out portion of the quarry. Subgrade limestone generated will be stacked separately. The top soil generated during the plan period will be utilised for plantation purpose.	Overburden material generated has been back filled in the mined out portion of quarry as per proposal and top soil has been spread over back filled area for plantation purpose. Mineral reject material has been stacked separately.	Overburden material generated has been back filled in the mined out portion of quarry as per proposal and top soil has been spread over back filled area for plantation purpose. Mineral reject material has been stacked separately.

4b	Location of topsoil, OB and mineral reject dumps	Top soil- Used for plantation purpose over back filling area no 2 & 6 quarry and overburden generated will be backfilled in the mined out portion of the quarry.	Top soil- used for plantation purpose overback filling area no 2& 6 and overburden generated has been backfilled in the mined out portion of quarry.	Top soil- used for plantation purpose overback filling area no 2& 6 and overburden generated has been backfilled in the mined out portion of quarry.
4c	Number of dumps within lease area and outside of lease area	Within Lease- 10 Nos. Outside Lease- Nil	Within Lease- 10 Nos. Outside Lease- Nil	Within Lease- 10 Nos. Outside Lease- Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Nil
4e	Number of active and alive dumps.	Nil	Nil	Out of 10 Nos. dumps, eight (8) nos. dumps are rehabilitated & 2Nos. dumps are partly rehabilitated.
4f	Number of dead dumps.	10	10	Nil
4g	Number of dumps established.	8 Nos. dump fully rehabilitated & 2 Nos. dumps partly rehabilitated.	8 Nos. dump fully rehabilitated & 2 Nos. dumps partly rehabilitated.	8 Nos. dump fully rehabilitated & 2 Nos. dumps partly rehabilitated.

4h	Whether Retaining wall or garland drain all along dumps are there.	In 2018-19, there was no proposal for construction of retaining wall or garland drain.	Northern side of the dumps no-4 has not been properly secured by construction of retaining wall and garland drain to prevent escape of material therefrom in harmful quantities which may cause degradation of environment and to prevent causation of floods.	Violation has been issued under rule 37 (2) of MCDR 2017
4i	Length of Retaining wall or garland drain all along dumps	No proposal was made for construction of Garland drain & retaining wall for the year 2018-19.	Nil	Nil
4j	Number of settling ponds	In 2018-19, desilting of settling ponds have been proposed.	In 2018-19, desilting of settling ponds have been done.	In 2018-19, desilting of settling ponds have been done.

4k	Specific comments of inspecting officer on waste dump management	Overburden material has been proposed to be backfilled. Top soil has been proposed to be spread over backfilled area for plantation purpose. There was no proposal for construction of retaining wall or garland drain in 2018-19.	Overburden has been backfilled area as per proposal for the year 2018-19. Top soil has been spread over backfilled area for plantation purpose. There are 10 nos of dumps inside the lease area. Northern side of the dumps no-4 has not been properly secured by construction of retaining wall and garland drain to prevent escape of material therefrom in harmful quantities .Violation has been issued under rule 37 (2) of MCDR 2017	Overburden has been backfilled area as per proposal for the year 2018-19. Top soil has been spread over backfilled area for plantation purpose. There are 10 nos of dumps inside the lease area. Northern side of the dumps no-4 has not been properly secured by construction of retaining wall and garland drain to prevent escape of material therefrom in harmful quantities .Violation has been issued under rule 37 (2) of MCDR 2017
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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.	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.	Back filling is carried out after extraction of mineral from mined out area.
5b	Area under backfilling of mined out area	5.51ha	4.42ha	Violation has been issued under rule 11(1) of MCDR 2017 for non-compliance

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	As per proposal 8,820M3 top soil shall be used for plantation over backfilled area.	7,050M3 topsoil used for restoration or rehabilitation of mined out area.	7,050M3 topsoil used for restoration or rehabilitation of mined out area.
5d	Total area fully reclaimed and rehabilitated	58.84 ha	58.84 ha	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling has been proposed over mined out quarry and top soil shall be used for plantation over backfilled area.	Back filling is carried out after extraction of mineral from mined out area. Topsoil has been used for restoration or rehabilitation of mined out area.	Back filling is carried out after extraction of mineral from mined out area. Topsoil has been used for restoration or rehabilitation of mined out area.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 (2) of MCDR 2017, The holder of mining lease shall submit to the competent authority a yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved mine closure plan, and if there is any deviation, reasons thereof	Annual report on PMCP has been submitted for the year 2018-19.	Submitted in timely, Vide letter no ACC/DLQ/200 dtd.14.05.2019
6b	Area available for rehabilitation (ha) .	9.79ha	6.90ha	Violation has been issued under rule 11(1) of MCDR 2017 for non-compliance
6c	afforestation done (ha).	9.79ha	6.90ha	Violation has been issued under rule 11(1) of MCDR 2017 for non-compliance
6d	No. of saplings planted during the year	Number of saplings proposed for plantation was 24,475 Nos	Number of saplings planted was 17,250Nos	Violation has been issued under rule 11(1) of MCDR 2017 for non-compliance.
6e	Cumulative no .of plants	Not Specified	3,71,827 Nos. saplings planted within the lease area	3,71,827 Nos. saplings planted within the lease area

6f	Any other method of rehabilitation	Not Specified	Nil	Nil
6g	Cost incurred on watch and care during the year	Not Specified	Rs. 13.28 Lakh	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	5.51 Ha	4.42 Ha	Violation has been issued for non-compliance under rule 11(1) of MCDR 2017.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Specified	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	9.79 Ha	6.90ha	Violation has been issued under rule 11(1) of MCDR 2017 for non-compliance
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Specified	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not Specified	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not Specified	Nil	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Specified	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Specified	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of AAQ, Water Quality and Noise level to be carried out through a recognized Environmental consultant.	Monthly monitoring of AAQ, Water Quality and Noise level are being carried out.	Monthly monitoring of AAQ, Water Quality and Noise level are being carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	In 2018-19, about 5.51 ha area was proposed for backfilling and about 9.79 ha area was proposed for afforestation on the backfilled area with plantation of 24475 nos of saplings.	Annual report on PMCP has been submitted for the year 2018-19. In 2018-19, out of 5.51 ha proposed area only 4.42 ha area has been backfilled and out of 9.79ha proposed area only 6.90ha area rehabilitated with plantation of 17250 nos of saplings. Violation has been issue dfor non-compliance under rule 11(1) of MCDR 2017.	Annual report on PMCP has been submitted for the year 2018-19. in 2018-19, out of 5.51 ha proposed area only 4.42 ha area has been backfilled and out of 9.79ha proposed area only 6.90ha area rehabilitated with plantation of 17250 nos of saplings. Violation has been issue dfor non-compliance under rule 11(1) of MCDR 2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dungri Limestone Quarry is a captive mine of M/s ACC Ltd and limestone produced from this mines is used for manufacturing cement at Bargarh Cement Works of M/s ACC Ltd. The ROM will be fed to dry crushing plant which will be reduced to the size of -50mm and will be directly used in the factory for cement manufacturing.	Dungri Limestone Quarry is a captive mine of M/s ACC Ltd and limestone produced from this mines is used for manufacturing cement at Bargarh Cement Works of M/s ACC Ltd. The ROM is fed to dry crushing plant which is reduced to the size of -50mm and is directly used in the factory for cement manufacturing.	Dungri Limestone Quarry is a captive mine of M/s ACC Ltd and limestone produced from this mines is used for manufacturing cement at Bargarh Cement Works of M/s ACC Ltd. The ROM is fed to dry crushing plant which is reduced to the size of -50mm and is directly used in the factory for cement manufacturing.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	Mechanical
7c	Different grade of mineral sorted out at mines.	Cement grade limestone	Cement grade limestone	Cement grade limestone
7d	Any beneficiation process at mines	Not Proposed	Nil	Crusher is used for sizing only

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Dungri Limestone Quarry is a captive mine of M/s ACC Ltd and limestone produced from this mines is used for manufacturing cement at Bargarh Cement Works of M/s ACC Ltd. The ROM will be fed to dry crushing plant which will be reduced to the size of -50mm and will be directly used in the factory for cement manufacturing.	Dungri Limestone Quarry is a captive mine of M/s ACC Ltd and limestone produced from this mines is used for manufacturing cement at Bargarh Cement Works of M/s ACC Ltd. The ROM is fed to dry crushing plant which is reduced to the size of -50mm and is directly used in the factory for cement manufacturing.	Dungri Limestone Quarry is a captive mine of M/s ACC Ltd and limestone produced from this mines is used for manufacturing cement at Bargarh Cement Works of M/s ACC Ltd. The ROM is fed to dry crushing plant which is reduced to the size of -50mm and is directly used in the factory for cement manufacturing.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	8,820M3 top soil will be used for plantation purpose.	7,050 M3 topsoil is spread over back fill area for plantation.	7,050 M3 topsoil is spread over back fill area for plantation.
8b	Concurrent use or storage of topsoil	Generated top soil was utilized for plantation over backfilled area.	Generated top soil was utilized for plantation over backfilled area	Generated top soil was utilized for plantation over backfilled area
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Overburden generated during mining operation to be back filled area in mined out pit	Overburden generated during mining operation is back filled area in mined out pit as per proposal of 2018-19.	Overburden generated during mining operation is back filled area in mined out pit as per proposal of 2018-19.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden generated during mining operation to be back filled area in mined out pit	Overburden generated during mining operation has been back filled in mined out pit	Overburden generated during mining operation has been back filled in mined out pit
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Afforestation on the backfilled area 9.79ha	Afforestation on the backfilled area 6.90 ha	Violation has been issued for non-compliance under rule 11(1) of MCDR 2017
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Specified	Number of saplings planted during the year 2018-19 was 17,250 nos. Cumulatively 3,71,827 Nos. of saplings have been planted within the lease area.	Number of saplings planted during the year 2018-19 was 17,250 nos. Cumulatively 3,71,827 Nos. of saplings have been planted within the lease area.
8g	Survival rate	Not Specified	Survival rate within lease area is 85% as furnished in annual return for 2018-19.	Survival rate within lease area is 85% as furnished in annual return for 2018-19.
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling on haul road during operation.	15KL & 5KL water tanker provided for dust suppression in haul road.	15KL & 5KL water tanker provided for dust suppression in haul road.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not Specified	Aesthetic beauty in and around mines is maintained.	Aesthetic beauty in and around mines is maintained.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	As per rule 45 Monthly Returns and (5) (c) of MCDR Annual Return for 2018-2017, an 19 has been submitted. annual return which shall be submitted before the 1st day of July each year for the preceding financial year in electronic form, along with a signed print copy of the same if it is not digitally signed, in the respective form	Monthly Returns and Annual Return for 2018-19 has been submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Mining Engineer, geologist and Manager of the mine has been furnished. Information on Mining Engineer, geologist and Manager of the mine has been furnished.	Appointments of Mining Engineer, geologist and Manager of the mine has been made. However, there is change in Mining Engineer than that furnished in Annual Return for 2018-19. Notices of appointment and termination of mining engineer has been submitted to IBM on dated 12.07.2019 for new appointment of Mining Engineer and termination of previous mining engineer in Form H.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under current (o/c) workings : 111.60 Ha; Used for waste disposal: 57.94 Ha; Occupied by plant, buildings, residential, welfare buildings & roads: 15.90 Ha; Other Purpose: 27.88 Ha etc.	Area covered under current (o/c) workings : 111.60 Ha; Used for waste disposal: 57.94 Ha; Occupied by plant, buildings, residential, welfare buildings & roads: 15.90 Ha; Other Purpose: 27.88 Ha etc.	Area covered under current (o/c) workings : 111.60 Ha; Used for waste disposal: 57.94 Ha; Occupied by plant, buildings, residential, welfare buildings & roads: 15.90 Ha; Other Purpose: 27.88 Ha etc.
9d	Scrutiny of Annual return on afforestation	No of saplings planted within the lease area is 17250 nos.	No of saplings planted within the lease area is 17250 nos.	Data as furnished in annual return in 2018-19.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Mineral Reject generated during the year 2018-19 was 168045 tonnes. Grade of mineral reject generated is CaO 38%, MgO 1%.	Mineral Reject generated during the year 2018-19 was 168045 tonnes. Grade of mineral reject generated is CaO 38%, MgO 1%.	Mineral Reject generated during the year 2018-19 was 168045 tonnes. Grade of mineral reject generated is CaO 38%, MgO 1%.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock of ROM furnished is Nil.	The mineral reject part of ROM generated i.e. 168045 tonnes has been shown in Sec.4 of annual return but has not been shown in closing stock of ROM which has been stacked at mines. Violation has been issued under rule 45 (7) of MCDR 2017.	The mineral reject part of ROM generated i.e. 168045 tonnes has been shown in Sec.4 of annual return but has not been shown in closing stock of ROM which has been stacked at mines. Violation has been issued under rule 45 (7) of MCDR 2017.

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 449.00	Ex-mine price (in Rs Per Tonne) of cement grade limestone is Rs 449.00	Ex-mine price (in Rs Per Tonne) of cement grade limestone is Rs 449.00
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets Rs 522932531 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation)	Value of Fixed Assets Rs 522932531 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation)	Value of Fixed Assets Rs 522932531 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation)
9k	Scrutiny of Annual return on mining machineries	Shovel (Hydraulic) 4 cum capacity : 1 No; Shovel (Hydraulic) 5.1 cum capacity : 1 No; Backhoe (2.7 cum capacity): 1 no; Backhoe (0.900 cum capacity): 3 nos; Backhoe (3.5 cum capacity): 1 no; Backhoe (2.8 cum capacity): 3 nos; front end loader (1.7 cum capacity): 2 nos; Dumper (40 tonne capacity): 4 nos; Dumper (50 tonne capacity): 4 nos; etc.	Shovel (Hydraulic) 4 cum capacity : 1 No; Shovel (Hydraulic) 5.1 cum capacity : 1 No; Backhoe (2.7 cum capacity): 1 no; Backhoe (0.900 cum capacity): 3 nos; Backhoe (3.5 cum capacity): 1 no; Backhoe (2.8 cum capacity): 3 nos; front end loader (1.7 cum capacity): 2 nos; Dumper (40 tonne capacity): 4 nos; Dumper (50 tonne capacity): 4 nos; etc.	Shovel (Hydraulic) 4 cum capacity : 1 No; Shovel (Hydraulic) 5.1 cum capacity : 1 No; Backhoe (2.7 cum capacity): 1 no; Backhoe (0.900 cum capacity): 3 nos; Backhoe (3.5 cum capacity): 1 no; Backhoe (2.8 cum capacity): 3 nos; front end loader (1.7 cum capacity): 2 nos; Dumper (40 tonne capacity): 4 nos; Dumper (50 tonne capacity): 4 nos; etc.

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
MCDR17	Rule 11(1)	26/09/2019			
MCDR17	Rule 37(2)	26/09/2019			
	Rule 45(7)	26/09/2019			

Date :

Sudip Ranjan Mazumdar
18/11/19
(SHRI SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines