

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KSN/LST-27/HYD

Mine code : 38APR10030

- (i) Name of the Inspecting : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Monoj Behari, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 11/01/2019
- (v) Prev.inspection date : 27/02/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BUDAWADA LIMESTONE MINES**
- (b) **Registration NO.** : **IBM/4601/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : **ANDHRA PRADESH**
District : **KRISHNA**
Village : **BUDAWADA**
Taluka : **JAGGAYYAPET**
Post office : **BUDAWADA**
Pin Code : **521175**
FAX No. : **08654285010**
E-mail : **bcp.secretarial@jalindia.co**
Phone : **08654285011**
- (f) Police Station : **CHILLAKALLU**
- (g) First opening date : **07/03/2012**
- (h) Weekly day of rest : **SUN**
2. Address for : **UltraTech Cement Limited, Balaji Cement Works.**
correspondance : **BUDAWADA VILLAGE, JAGGAYYAPET MANDAL**
KRISHNA DISTRICT
3. (a) Lease Number : **APR3264**
- (b) Lease area : **629.22**
- (c) Period of lease : **30**
- (d) Date of Expiry : **05/03/2042**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : ULTRATECH CEMENT LIMITED
 B wing, Ahura centre, 2nd
 floor Mahakali caves
 Road, Adheri (East) Mumbai-
 40003. MUMBAI (SUBURBAN)
 MAHARASHTRA
 Phone:
 FAX :

Owner : Sri Kailash Chandra Jhanwar
 B Wing Ahura Centre, 2nd
 floor, Mahakali
 Road, Andheri (East) Mumbai
 KRISHNA ANDHRA PRADESH
 Phone:
 FAX :

Agent : Sri.K.N.Sidda Reddy
 Ultra Tech Cement Limited,
 Budawada Lime Stone mine
 Jaggayyapeta, Krishna.
 KRISHNA ANDHRA PRADESH
 Phone: +7039023088
 FAX : 0865-285010

Mining Engineer

Name : Shri Vasanth Kumar V., Full Time
 Qualification : B.E. (Mining)
 Appointment/ : 07/03/2012
 Termination date

Manager

Name : MANOJ BEHARI
 Qualification : B.TECH MINING
 Appointment/ : 07/03/2012
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 28/06/2013
 MP review under 17(1) MCR 2016 28/04/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2017-18 =49 boreholes	Exploration of 53 bore holes proposed during the year 2017-18 were drilled and completed.	
1b	Exploration over lease area for geological axis 1 or 2	2017-18 =49 BORE HOLES.	53 Bore holes completed with a total depth of 2979 meters. G1 = 380 ha. G2 - 114 ha G3 - 135 ha.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	N I L	
1d	Balance area to be explored to bring Geological axis in 1 or 2	135.22 HA	135.22 ha covered under G1 category.	
1e	Balance reserve as on 01/04/20	368.56 Million tonnes.	365.85 Million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	NONE	NONE	NONE

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Western area of the lease.	Western area of the lease.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches are proposed.	Top soil and clayey pockets are worked separately.	
2c	Stripping ratio or ore to OB ratio	1: 0.021	1 : 0..017	
2d	Quantity of topsoil generation in m3	1796 cu m.	N I L	
2e	Quantity of overburden generation in m3	32529 cu m	There is no generation of OB.	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	6000145 tonnes	2702971 tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	No proposals	100%.	
3d	Quantity of mineral reject generation	2017-18 - 21589 cu m.	2017-18- NIL(till JAN 2019)	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable.	
3f	Quantity of sub grade mineral generation.	53972 tonnes	N I L	
3g	Grade of sub grade mineral generation	No proposals	Not Applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised open cat method.	Mechanised open cast method. Segregation is not required due to use of pet coke so far.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposals	No.	
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting with non Electric detonators.	Deep hole drilling is carried out , large dia (163 mm and 152 mm) drilling and blasting with Non Electric detonators.	

3k	Provision of mining machineries in mineral benches	HEME (diesel operated shovels and dumpers)	HEME Shovels 6.5 cu m and dumpers are operated in mineral benches.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 m.	Yes.
3m	Total area covered under excavation/pits	41.14 ha	35.020 ha
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.21	1:0.17
3o	Total area put in use under different heads at the end of year	41.14 ha	35.020 ha.
3p	Production of ROM mineral during the last five year period as applicable	2013-14 -- 6001100 tonnes 2014-15 -- 6000300 tonnes 2015-16-- 6001213 tonnes 2016-17-- 6000625 tonnes 2017-17-- 6000145 tonnes.	2013- 14-- 2430085 tonnes 2014-15-- 2324900 tonnes 2015-16-- 243443 tonnes. 2016-17-- 1502490 tonnes. 2017-18-- 2702971 tonnes.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Out side ultimate pit level.	Out side UPL.No top soil or OB is there.	Interburden is used for plantation.
4b	Location of topsoil, OB and mineral reject dumps	Northern side of ML area.	Northern boundary in safety zone of Rly line.	
4c	Number of dumps within lease area and outside of lease area	One.	One.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side UPL.	Out side UPL.
4e	Number of active and alive dumps.	One.	One
4f	Number of dead dumps.	N I L	N I L
4g	Number of dumps established.	N I L	N I L
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland along the dump.	N I L
4i	Length of Retaining wall or garland drain all along dumps		-----
4j	Number of settling ponds	No proposals.	N I L
4k	Specific comments of inspecting officer on waste dump management	1600 meters.	150 meters.

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.	No proposals	Not Applicable.	
5b	Area under backfilling of mined out area	No proposals	N I L	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	N I L	
5d	Total area fully reclaimed and rehabilitated	No proposals	N I L	

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).	Annual report has to be submitted as per statuate.	Lessee has submitted Annual report for the year 2017-18.	
6b	Area available for rehabilitation (ha) .	No proposals	N I L	
6c	afforestation done (ha).	No proposals.	3.00 ha.	
6d	No. of saplings planted during the year	1800 Saplings.	8571 saplings planted within ML area. 580 saplings planted outside ML area.	
6e	Cumulative no .of plants			Plantation has been done within ML area and Outside ML area.
6f	Any other method of rehabilitation	No proposals	N I L	
6g	Cost incurred on watch and care during the year	No proposals	N I L	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposals	Area is not yet matured for reclamtion.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area		N I L. No area is matured for backfilling.	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-----	Not Applicable.	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.		Not Applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation		N I L	In 2017-18, 580 plants have been planted out side ML area.
6p	Compliance of environmental monitoring (core zone and buffer zone)		Lessee is monitoring environmental aspects and complied.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Sub grade mineral is sorted and dumped separately.	N I L	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	-----	Not Applicable.	
7c	Different grade of mineral sorted out at mines.	No proposals	N I L	
7d	Any beneficiation process at mines	No proposals	There is no beneficiation process in the mine.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Proposed separate dumping of soil.	There is no generation of top soil. Only interburden generated is stacked separately and utilised for plantation.	
8b	Concurrent use or storage of topsoil	No proposals	Interburden generated is stacked separately and utilised for plantation along the lease boundary.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of interburden and sub grade mineral proposed.	Interburden is dumped separately and used for plantation along the lease boundary.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	Not Applicable	Mine is not yet matured.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	Not Applicable.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1800 saplings	8571 saplings planted within ML area.	
8g	Survival rate	No proposals	90%	
8h	Water sprinkling on roads to control airborne dust		Water sprinkler is done with water tankers allong the haul roads to arrest the airborne dust.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Lessee has to submit monthly returns and annual return as per statute.	Lessee has submitted monthly returns and annual return for the year 2017-18 through on-line.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: K.N.Sdda reddy. Mining Engineer : Vasanth Kumar V Geologist: Parthasarathi Maji.	Manager: K.N.Sdda reddy. Mining Engineer : Vasanth Kumar V Geologist: Parthasarathi Maji.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: 35.020 ha. Plant, buildings, Residencial & roads :7.340 ha	Mining: 35.020 ha. Plant, buildings, Residencial & roads :7.340 ha
9d	Scrutiny of Annual return on afforestation	8571 plants within MLarea.	8571 plants within MLarea. 580 plants out sode ML AREA.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not reported	N I L
9f	Scrutiny of Annual return on ROM stock and/or graded ore	2702971 TONNES	2702971 IS CORRECT.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price: Rs. 297.50 as per Annual return 2017-18.	Ex-mine price: Rs. 297.50
9h	Scrutiny of Annual return on fixed assets	Rs.299114056/-	Rs.299114056/- is observed.

9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 6.500 CUM 3 Non Electrical Opencast SHOVEL (HYDRAULIC) 2.700 CUM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 1.400 CUM 1 Non Electrical Opencast DUMPER 55.000 TONNE 14 Non Electrical Opencast BLAST HOST DRILL 163.000 MM 2 Non Electrical Opencast DOZER 451.000 HP 2 Non Electrical Opencast MOTOR GRADER 150.190 HP 1 Non Electrical Opencast EXPLOSIVE VAN 9.600 TONNE 1 Non Electrical Opencast WATER TANKER 10000.000 LITRE 1 Non Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non	SHOVEL (HYDRAULIC) 6.500 CUM 3 Non Electrical Opencast SHOVEL (HYDRAULIC) 2.700 CUM 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 1.400 CUM 1 Non Electrical Opencast DUMPER 55.000 TONNE 14 Non Electrical Opencast BLAST HOST DRILL 163.000 MM 2 Non Electrical Opencast DOZER 451.000 HP 2 Non Electrical Opencast MOTOR GRADER 150.190 HP 1 Non Electrical Opencast EXPLOSIVE VAN 9.600 TONNE 1 Non Electrical Opencast WATER TANKER 10000.000 LITRE 1 Non Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines