

**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 : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri. Bangaru Babu Ryali, Agent
Official with
Designation
- (iv) Date of Inspection : 20-DEC-22
- (v) Prev.inspection date : 09-NOV-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BUDAWADA LIMESTONE MINES**
- (b) **Registration NO.** : **IBM/441/2011**
- (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 : **ajit.oswal@adityabirla.com**
- Phone : **08654285011**
- (f) **Police Station** : **CHILLAKALLU**
- (g) **First opening date** : **07-MAR-12**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **UltraTech Cement Limited, Balaji Cement Works.
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-MAR-62**
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-MAR-12
 Termination date

Manager

Name : MANOJ BEHARI
 Qualification : B.TECH MINING
 Appointment/ : 07-MAR-12
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	28-JUN-13
Plan/Scheme of Mining		MP review under 17(1) MCR 2016	28-APR-17
		MP review under 17(1) MCR 2016	26-OCT-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	Entire mineralsied area has been explored under G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	Entire mineralsied area has been explored under G1 level.
1e	Balance reserve as on 01/04/20	As per the approved document dated 26.10.2021, the Limestone reserves are 580.24 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2022 are limestone: 577 milt.t.	
1f	General remarks of inspecting officers on geology, exploration etc		Almost the entire ML area is occupied by craggy outcrops of Narji limestone within local patches of reddish brown soil. the limestone represents the middle horizon of Narji limestone formation, the basal beds being well exposed in the area to the north in Budawada R.F.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	one pit is proposed to be developed during the year 2021-22.	one pit is being developed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	only mineral benches proposed to be developed.	mineral benches are being developed.	
2c	Stripping ratio or ore to OB ratio	1:0.002 t/cu.m.	1:0.072 t/cu.m.	more interburden waste quantity generated.
2d	Quantity of topsoil generation in m3	4257 cu.m. during the year 2021-22.	Nil	
2e	Quantity of overburden generation in m3	14975 cu.m.	294730 cu.m.	due to irregular behaviour of the ore deposit more interburden waste quantity generated.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		development is carried out by opencast mining method as proposed.	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	one pit	one pit	
3b	Quantity of ROM mineral production proposed	6 mil.t. during the year 2021-22.	4.06 mil.t.	due to less demand from captive cement plant
3c	Recovery of sailable/usable mineral from ROM production	99%	85%	
3d	Quantity of mineral reject generation	No proposal.	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	
3f	Quantity of sub grade mineral generation.	18006 t	Nil	blended with saleable ore
3g	Grade of sub grade mineral generation	Cao is below 44.5%	Cao is below 44.5%	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	
3j	Provision of drilling and blasting in mineral benches	drilling and blasting is proposed.	drilling & blasting is carried out.	
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 m	maintained.	
3m	Total area covered under excavation/pits	67.96 ha	55.917 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.002 t/cu.m.	1:0.072 t/cu.m.	

3o	Total area put in use under different heads at the end of year	90.68 ha	84.847 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18: 6 Mil.t. 2018-19: 6 Mil.t. 2019-20: 6 Mil.t. 2020-21: 6 Mil.t. 2021-22: 6 Mil.t.	2017-18: 2.7Mil.t. 2018-19: 3.73 Mil.t. 2019-20: 3.47 Mil.t. 2020-21: 3.49 Mil.t. 2021-22: 4.06 Mil.t.
3q	General remarks of inspecting officers on method of mining etc.		production is carried out from two pits by opencast mining method as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed for soil and interburden.	carried out.	
4b	Location of topsoil, OB and mineral reject dumps	waste along the western side of ML boundary and soil along the Northern side of ML area.	carried out.	
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)	outside	outside	
4e	Number of active and alive dumps.	one	one	
4f	Number of dead dumps.	Nil	Nil	

4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil
4j	Number of settling ponds	No proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management		waste dump management is carried out as proposed.

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 proposal.	Nil	
5b	Area under backfilling of mined out area	No proposal.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for reclamtion.

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).	PMCP report to submitted submitted before 1 st July.		
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	1.2 ha during the year 2021-22.	1.2 ha	
6d	No. of saplings planted during the year	1800 nos	1850 nos	
6e	Cumulative no .of plants		41724 nos	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs. 5.37 lakh	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal.	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out.	entire ROM (Limestone) of cement grade is used in the captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Mechanical.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	
7d	Any beneficiation process at mines	No Proposal.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		entire ROM (limestone) of cement grade is used at captive plant.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	carried out.	
8b	Concurrent use or storage of topsoil	proposed.	carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed.	carried out	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		1850 nos
8g	Survival rate		89%
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017	submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Graduate Mining Engineer 7, Diploma Mining Engineer 5, Geologist 1	found to be in order.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings 55.917 ha, Used for waste disposal 2.870 ha, Occupied by plant, buildings, residential, welfare buildings & roads 7.340 ha, Other Purpose (Plantation) 18.720 0.000 18.720	found to be in order.	
9d	Scrutiny of Annual return on afforestation	1850 nos	found to be in order.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	found to be in order.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine price is Rs. 261.02	Ex-Mine price furnished in the annual return submitted for the year 2021-22 is not matching with the derived weighted average of the Ex-mine prices furnished in Monthly returns for the year 2021-22.	advised the lessee to rectify the issue.
9h	Scrutiny of Annual return on fixed assets	Rs. 7550564523	Rs. 7550564523	

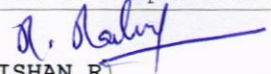
9k	Scrutiny of	SHOVEL	found to be in order.
	Annual return on	(HYDRAULIC)	
	mining	6.500 CUM 3,	
	machineries	SHOVEL	
		(HYDRAULIC)	
		2.100 CUM 1,	
		SHOVEL	
		(HYDRAULIC)	
		2.700 CUM 1	
		SHOVEL	
		(HYDRAULIC)	
		4.500 CUM 1,	
		DUMPER 55.000	
		TONNE 16 etc.,	

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

Date : 28/12/22

no violation


(RAMKISHAN R)

Indian Bureau of Mines