

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-215/HYD

Mine code : 38APR11188

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Jagan Mohan Reddy, L. Madhusudan Reddy, Raja Prathaban
Official with
Designation
- (iv) Date of Inspection : 16/03/2020
- (v) Prev. inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THUMMALAPENTA(90.52 HA)**
- (b) **Registration NO.** : **441**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : TUMMALAPENTA
- Taluka : KOLIMIGUNDLA MANDAL
- Post office : KOLIMIGUNDLA
- Pin Code : 518 12
- FAX No. : 08558-288821/59
- E-mail : utcl-apcw.agentmines@aditya
- Phone : 08558-288847/50
- (f) Police Station : TADIPATRI
- (g) First opening date : 14/11/2018
- (h) Weekly day of rest : SUN
2. Address for : Bhogasamudram Village
correspondance : Tadipatri Mandal
Anantapur
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
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 : Kailash Chandra Jhanwar
AHURA CENTRE,A WING,1ST
FLOOR MAHAKALI CAVES
ROAD,ANDHERI(E) MUMBAI
MUMBAI (SUBURBAN)
MAHARASHTRA
Phone: 08558-288847/50
FAX : 08558-288821/59

Agent : V.Ganeshan
Bhogasamudram Village
Tadipatri Mandal ANANTAPUR
ANDHRA PRADESH
Phone: 08558-288847
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2017-18: Bore Hole: 23 Meterage: 577 m. One core bore hole - 2018-19.	2017-18 & 2018-19 Bore Hole: 23 Meterage: 577 m As per Form-I exploration has been started on 15.3.2018.	Entire ML area has been explored in G1 level.
1b	Exploration over lease area for geological axis 1 or 2	No such proposal approved for 2018-19	G1 -90.52 Ha	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal in respect of exploration agency and expenditure approved.	Drilling: 10,67,450 Analysis: 53,200 (analysis done APCW own NABL accredited laboratory)	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No such proposal approved for 2018-19.	Nil	Exploration Completed 100 %. About 4 Ha. pending.
1e	Balance reserve as on 01/04/20	42.552 million tonnes.	45.99 million tonnes	-
1f	General remarks of inspecting officers on geology, exploration etc		-	Exploration has been carried in G1 category

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 327 - E 695 N-963 -N 1347	Mining pit has been developed in between 15D 00M 23.4S - 15D 00M 29.5S 78D 02M 47.2S - 78D 02M 51.1S	Pit development is at initial stage.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Benches proposed in Mineral only.	One bench of about 2m height has been developed in limestone.	-
2c	Stripping ratio or ore to OB ratio	2018-19 @ 1:0.03	Nil	-

2d	Quantity of topsoil generation in m3	41400 tonnes	20000 m3	Top soil generated has been spreaded in 7.5m safety zone.
2e	Quantity of overburden generation in m3	299500 tonnes	Nil	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mechanised method of mining has been adopted.	-	-

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Mining operation is in initial stage.
3b	Quantity of ROM mineral production proposed	2018-19- 1198000MT	2018-19- 10000 MT	2019-20 -upto 29th February 32,100 MT against: 12,30,000 MT
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal for 2018-19	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	-
3f	Quantity of sub grade mineral generation.	No proposal for 2018-19	Nil	-
3g	Grade of sub grade mineral generation	Not applicable	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal was approved for 2018-19, in respect of seggregation from ROM	Mechanized	ROM is directly feedable to the captive cement plant, hence no seggregation is required.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal for beneficiation as ROM is directly feedable to the captive cement plant.	Nil	-
3j	Provision of drilling and blasting in mineral benches	Burden -4 mtr. spacing -6 mtr. depth 7mtr. Anfo: slurry - no 80% &20% Wagon drill- 6 inch dia-1 no	Burden -4 mtr. spacing -6 mtr. Anfo: slurry - 80% &20% Wagon drill- 115mm dia-1	-
3k	Provision of mining machineries in mineral benches	Machinery Name Quantity Hydraulic Excavator-2 nos-2.2 m3 each Tipper-11 nos-10 tonners each Rock breaker 1 DTH Dill 1 Dozer 1 Water tanker 2 - 10 KL each.	Loading & transportation is being carried out by Excavator and dumper combination. Excavator - 1 No. & Dumper - 3 nos.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	-	Pit is in developing stage.	-
3m	Total area covered under excavation/pits	12 Ha.	0.45 Ha as reported by lessee.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	Nil	-

3o	Total area put in use under different heads at the end of year	Excavated Pit @ 12.00 Hectares Roads @ 1.500 Hectares Infra- 0.10 Ha Greenbelt - 3.15 Ha OB dump - 9.10 Ha. Min. storage - 0.70 Ha. Other - 0.50	Excavated Pit @ 0.45 Ha	-
3p	Production of ROM mineral during the last five year period as applicable	2016-2017-1100000 2017-18 :1150000 2018-19:1198000 2019-20:1230000	2017 -Nil 2017-18:Nil 2018-19: 10000 2019-20:32010 (upto 29th February 2020)	ML executed on 07.01.2017. Mining pit development is in initial stage.
3q	General remarks of inspecting officers on method of mining etc.	Mining pit development is in initial stage. Mechanised method of mining has been adopted.	-	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for OB & MR for 2018-19. Dumping of OB proposed	Nil	Top soil scrapped ,collected and stored in 7.5m SZ along ML boundary for GDB.
4b	Location of topsoil, OB and mineral reject dumps	No proposal for dumping of top soil and MR. OB dump - E327 - 695 - N963 - 1347	No OB,MR and Top Soil dump exists.	-
4c	Number of dumps within lease area and outside of lease area	One	Nil	-

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	No dump exists.	-
4e	Number of active and alive dumps.	One active waste dump	Nil	-
4f	Number of dead dumps.	No proposal	Nil	-
4g	Number of dumps established.	No proposal	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil as no waste dump exists within the ML.	-
4i	Length of Retaining wall or garland drain all along dumps	NA	Nil	-
4j	Number of settling ponds	No proposal	Nil.	-

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 such proposal approved for 2018-19.	Nil	ML executed on 07.01.2017. Mining operation are in initial stage.Mineral is yet to be mined out completely, hence no part of the ML area is matured for backfilling, reclamation & rehabilitation.
5b	Area under backfilling of mined out area	No such proposal approved for 2018-19	Nil	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal approved for 2018-19	Nil	-do-
5d	Total area fully reclaimed and rehabilitated	No such proposal approved for 2018-19	Nil	-do-

5e General remarks - -- -do-
of inspecting
officers on
backfilling and
reclamation etc.

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).	To be submitted.	Submitted	
6b	Area available for rehabilitation (ha) .	No such proposal approved for 2018-19.	Nil	Mineral is yet to be mined out completely, hence no part of the ML area is matured for backfilling, reclamation and rehabilitation.
6c	afforestation done (ha).	No such proposal approved for 2018-19.	Nil	-do-
6d	No. of saplings planted during the year	No such proposal approved for 2018-19.	Nil	-do-
6e	Cumulative no .of plants	No such proposal approved for 2018-19.	Nil	-do-
6f	Any other method of rehabilitation	No such proposal approved for 2018-19.	Nil	-do-
6g	Cost incurred on watch and care during the year	No such proposal approved for 2018-19.	Nil	-do-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal approved for 2018-19.	Nil	-do-

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal approved for 2018-19.	Nil	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No such proposal approved for 2018-19.	Nil	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal approved for 2018-19.	Nil	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No such proposal approved for 2018-19.	Nil	-do-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No such proposal approved for 2018-19.	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No such proposal approved for 2018-19.	Nil	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No such proposal approved for 2018-19.	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2018-19 for 3 core and 4 buffer zone locations for AAQ monitoring, 6 locations - noise level monitoring, 6 buffer zone location - for water quality monitoring.	-

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	Environment monitoring has been carried out during 2018-19 and all the parameters are within the permitted limits.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2018-19-1198000 MT. Entire ROM is utilised directly for captive purpose, hence no grade wise sorting is proposed within the lease area.	10000 MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable and no such proposal approved for 2018-19.	Nil	
7c	Different grade of mineral sorted out at mines.	Not applicable and no such proposal approved for 2018-19.	NA	-
7d	Any beneficiation process at mines .	ROM quality is directly feedable to captive cement plant, hence beneficiation is not proposed.	Nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		-	No sub grade has been generated. Beneficiation is not warranted as the entire ROM mineral is directly feedable to the captive cement plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed to be removed & utilized for GBD	20000 m3 top soil has been generated.	Top soil generated has been collected and spreaded in 7.5 m safety zone for Green Belt Developemnt.
8b	Concurrent use or storage of topsoil	Proposed to be utilized for Green Belt Developement(G BD)	Spreaded in 7.5m safety zone for GBD.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for 2018-19	No MR, OB/waste dump exists within the ML	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	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)		No plantation carried during 2018-19	-
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided	Separate water tanker is provided	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	a) Annual returns to be submitted within the stipulated time. b) Monthly Return submitted within the stipulated time	a) Annual returns submitted for the year 2018-19. b) Monthly Return submitted upto Feb., 2020.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager - appointed Mining Engineer - appointed Geologist - appointed	Mines Manager - appointed Mining Engineer - appointed Geologist - Not appointed.	Advised to appoint Geologist
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.45	-	-
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Nil
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	Nil	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.291.08	-	Over head cost (13 employees salary)/tonnes - Rs.137.94 included in Cost/Tonne
9h	Scrutiny of Annual return on fixed assets	Rs.982287824/-	-	-
9k	Scrutiny of Annual return on mining machineries	Shovel (hydraulic)-1 Dumper - 3	Shovel (hydraulic)-1 Dumper - 3	-

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 :

(S K MUDULI)

Indian Bureau of Mines