

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-140/HYD

Mine code : 38APR11043

- (i) Name of the Inspecting : **M029**) **MADHU SUDHAN YADAV M**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.L.Madhusudhan Reddy, Manager & Sri. Jagan Mohan R
Official with
Designation
- (iv) Date of Inspection : 15-SEP-21
- (v) Prev.inspection date : 14-MAR-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GURUVANIPALLI, 5634/MA/95**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : ANDHRA PRADESH
District : KURNOOL
Village : GURUVANIPALLI
Taluka : KOLIMIGUNDLA
Post office : KOLIMIGUNDLA
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 30-SEP-95
- (h) Weekly day of rest : SUN
2. Address for : M/S ULTRATECH CEMENT LIMITED
correspondance : AP CEMENT WORKS, BHOGSAMUDRAM POST, TADIPATRI MA
ANANTPUR DISTRICT A.P
3. (a) Lease Number : APR1275
- (b) Lease area : 395.3
- (c) Period of lease : 20
- (d) Date of Expiry : 01-JAN-17
4. Mineral worked : LIMESTONE Main

5. Name and Address of the
Lessee : M/S DAKSHIN CEMENTS LTD
503,V FLOOR ADITYA ARCADE,
AMEERPET HYDERABAD
HYDERABAD TELANGANA
Phone:55430430
FAX :55430440
6. Date of approval of Mining : Fresh under rule 22 MCR1960 17-FEB-95
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 21-AUG-09
Mining Scheme rule 12 MCDR1988 03-DEC-12
MP modif under 17(3) MCR 2016 19-SEP-16
MP modif under 17(3) MCR 2016 01-AUG-18
MP modif under 17(3) MCR 2016 03-FEB-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2020-21 - 47 Nos.	2020-21 - 28 Nos. 2021-22 - 32 Nos.	
1b	Exploration over lease area for geological axis 1 or 2	2020-21 - 47 Nos. 2021-22 - 01 Nos.	2020-21 - 28 Nos. 2021-22 - 32 Nos.	Violaton issued as per rule for not completing the exploratory drilling as proposed.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Drilling Agency - Synergy Geotech Pvt. Ltd., Nagpur	Drilling Agency - Synergy Geotech Pvt. Ltd., Nagpur Drilling cost is reported as Rs. 43,56,560/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	----	Entire lease area of 395.15 Ha is converted into G1 level of exploration.	
1e	Balance reserve as on 01/04/20	-----	Proved Mineral Reserves as on 01/04/2021 - 103.466 million tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc			Lessee has reported that analysis work is progress for the exploration carried out and geological report will be submitted after completing the analysis.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2020-21: N15248 - 15437 E10791 - 11071	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Seperate benches proposed in topsoil and mineral.	Top soil and mineral benches developed seperately.	

2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	2020-21 - 7300 cu.m	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No OB is generated in the proposed mining area and the limestone is found just below the top soil horizon of around 1m thickness.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2019-20 - 300000 Te 2020-21 - 300000 Te	2019-20 - 41000 Te 2020-21 - 44882 Te	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil
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 in the mineral benches.	Drilling is being carried out by maintaining spacing of 6m and burden of 4m with a hole depth of 9 meters and 115mm dia holes . Blasting done by using ANFO and slurry explosives with NONEL detonators for initiation.
3k	Provision of mining machineries in mineral benches	Wagon drill, Tippers , excavators and water tanker.	Wagon drill - 1 No. Dumpers - 03 Nos. Excavators - 1 No.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to maintain the bench height of 9 meters	Digging height of the excavator is compatible for proposed bench height fo 9m.
3m	Total area covered under excavation/pits	37.73 Ha	35.89 Ha
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil
3o	Total area put in use under different heads at the end of year	Excavated Pit - 35.89 Hectares Roads - 2.0 Hectares Infra- 0.09 Ha Greenbelt - 8.62 Ha	Excavated Pit - 35.89 Hectares Roads - 1.530 Hectares Infra- 0.09 Ha Greenbelt - 8.62 Ha

3p	Production of ROM mineral during the last five year period as applicable	2016-17: 300000 tonnes 2017-18: 300000 tonnes 2018-19: 300000 tonnes 2019-20:300000 tonnes 2020-21:300000 tonnes	2016-17: 1,000 tonnes 2017-18: 30,000 tonnes 2018-19: 39,882 tonnes 2019-20: 41000 tonnes 2020-21: 44882 tonnes	
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 dumping of top soil,Mineral reject and OB.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	No proposal	Scattered dumps of old slab quarry found in the lease area.	Scattered dumps of old slab quarry found in the mining lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No dump proposed	Old dumps found outside UPL	
4e	Number of active and alive dumps.	No proposal	Nil	
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			No OB/waste generated in the mining area. However old slab quarry scattered dumps found in the mining lease area.

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.			The pit is not mined out upto its ultimate pit limit to start backfilling.

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 as per rule.	Submitted in time	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2020-21- 1.0 Ha	2020-21- 1.10 Ha	
6d	No. of saplings planted during the year	2020-21- 1600 Nos.	2020-21- 1680 Nos.	
6e	Cumulative no .of plants	No proposal	Till 2020-21 - 21550 Nos. in 8.62 Ha	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	
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	2020-21 - 1600 Nos. in 1.0 Ha	2020-21 - 1680 Nos. in 1.1 Ha	
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)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2020-21 and all the parameters are within the permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be utilised directly for captive purpose, hence no grade wise sorting is proposed within the ML.	Entire ROM of 44882 Te in 2012-21 is utilised for cement plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2020-21 - 7300 cu.m	Topsoil is dozed along the mine pit to act as protective bund and partly utilised for green belt development.	
8b	Concurrent use or storage of topsoil	Proposed to use for afforestation.	Topsoil is dozed along the mine pit to act as protective bund and partly utilised for green belt development.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
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)	1600 Nos. saplings over 1.0 Ha in the year 2019-20.	1750 Nos. saplings over 1.10 Ha in the year 2020-21.	
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers for dust suppression.	Water tanker is provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is done in the 7.5m safety zone.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted	Submitted in time	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager & Mining Engineer - Sri.L.Madhusudhan Reddy Geologist - Sri.A.Jagan Mohan Reddy	Manager & Mining Engineer - Sri.L.Madhusudhan Reddy Geologist - Sri.A.Jagan Mohan Reddy
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining - 35.89 ha Area under Infrastructure - 1.53 ha	Broadly as per submission.
9d	Scrutiny of Annual return on afforestation	1680 Nos.	Broadly as submission and same quantity is verified in afforestation register maintained.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generated in the mine.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine value is Rs.399.68/-	Royalty , Dead rent and others per tonne reported in cost of production is inconsistent with data given in various parts of this annual returns. Advised to correct the annual returns since it has been referred back by the MMS division.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns is Rs.8146354/-	Fixed assest could not be verified.

9k Scrutiny of Excavator - 01 All proposed machineries
Annual return on Nos. found in the
mining Dumper - 03 mining area.
machineries Nos.
Dozer - 01 No.
Drill machine
- 01 No.
Water Tanker -
01 No.

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 :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines