

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KNL/LST-210/HYD

**Mine code :** 38APR11155

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Ajmal Ahmed, DGM (Mines) & Sri. V.Prasad, Geolog  
Official with  
Designation
- (iv) Date of Inspection : 17-MAR-23
- (v) Prev.inspection date : 24-MAY-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KOLIMIGUNDLA(255. HA)**
- (b) **Registration NO.** : **IBM/638/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : ANDHRA PRADESH  
District : KURNOOL  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : 08654222532  
E-mail : mcljpm@ramcocements.co.in  
Phone : 08654224400
- (f) Police Station : KOLIMIGUNDLA
- (g) First opening date : 14-APR-18
- (h) Weekly day of rest : SUN
2. Address for : KOLIMIGUNDLA VILLAGE & PO  
correspondance : KURNOOL DISTRICT  
AP
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 : THE RAMCO CEMENTS LTD  
 KUMARASWAMY RAJANAGAR  
 JAGGAYAPET MANDAL KRISHNA  
 ANDHRA PRADESH  
 Phone:08654-224400  
 FAX :08654-222532

Owner : P.R.VENKATRAMA RAJA  
 AURAS CORPORATE CENTRE, Vth  
 FLOOR, Dr.RADHAKRISHNA  
 ROAD,MYLAPORE, CHENNAI  
 CHENNAI CITY TAMIL NADU  
 Phone: 044-28478666  
 FAX : 044-28478676

## Geologist

Name : V SIVARAMAKRISHNAN, Full Time  
 Qualification : MSC GEOLOGY  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	MP modif under 17(3) MCR 2016	11-JUN-18
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	19-DEC-19

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal during the year 2021-22, 17 Nos. of core boreholes proposed in the year 2023-24	17 core boreholes with 319.50 meters drilled in the year 2022-23	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal during the year 2021-22.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration has been proposed in the year 2023-24	Exploration completed in the year 2022-23.	Entire lease area covered under G1 level of exploration.
1e	Balance reserve as on 01/04/20	MMP 2020-25 approved for 39.120 Million tons of reserves. (111,121 & 122) Besides 7.21 Mill. T of siliceous and flaggy limestone reserves was estimated and reported in the approved Mining Plan for utilization	Total Mineral Reserves 74.053 million tonnes 111 - 75.537 million tonnes 211 - 40.087 million tonnes	

1f	General remarks of inspecting officers on geology, exploration etc	Entire mining lease area covered under G1 level of exploration by drilling 90 boreholes with 1602.8 meters.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	PIT-1: 6-6' N 1667062 to N1667256 & E189677 to E189882 5-5' N 1666866 to N1667062 & E189695 to E189891 PIT-2: 4-4' N 1667962 to N1668155 & E191200 to E191392	PIT-1: N1666795 to N1667242 & E189527 to E189983	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed for separate benches in topsoil and mineral.	Maintaining separate benches in topsoil and mineral.	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	2021-22 - 51,700 Cum	2021-22 - 77174.72 m3 of top soil has been generated and utilized for plantation.	
2e	Quantity of overburden generation in m3	No proposal	Nil	

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The respective proposal of approved mining plan for various activities pertaining to that year were not shown in the plans and sections maintained. Violation issued as per Rule.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	The production is proposed from two pits.	Production carried out in One pit (Pit-1).	
3b	Quantity of ROM mineral production proposed	2021-22 - 6,00,000 tonnes. 2022-23 - 6,00,000 tonnes	2021-22 - 222194.57 tones has been Produced from Pit-1. 2022-23 - 595713 tonnes (till 15/03/2023)	
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	

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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	It was proposed to use wagon drills, exvators & dumpers for drilling, loading & transporting of ore to crushing plant.	Deep hole drilling and blasting carried out in mineral benches as per the approved MMP.
3k	Provision of mining machineries in mineral benches	Yes, Provision for the deployment of mining machinery (Hydraulic excavators & Tippers) in mineral benches has been made.	Mining operations has been carried out with Hydraulic Excavators, drill machinery, Tippers etc. in mineral benches.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain the bench height of 8 meters	Bench height is being maintained as 8 m. Digging height of the excavators are compatible with bench height.
3m	Total area covered under excavation/pits	14.51 Ha	1.60 Ha area covered under excavation/pits out of total broken up area for excavation is 9.80 Ha. However 8.20 Ha area has been removed only top soil in Pit-1.
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	32.979 Ha	6.3061 Ha area put in use under different heads at the during year 2021-22 out of total area 14.5061 Ha for put in use under different heads during year 2021-22 However 8.20 Ha area has been removed only top soil in Pit-1.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19: 1,00,000 Te 2019- 20:6,00,000 Te 2020- 21:6,00,000 Te 2021-22 : 6,00,000 Te 2022-23 : 6,00,000 Te	2018-19: Nil 2019-20: Nil 2020-21: Nil 2021-22: 222194.57 Te 2022-23: 595713 Te (upto 15/03/2023)	
3q	General remarks of inspecting officers on method of mining etc.			Mining is carried out by fully mechanised method by deploying HEMM.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate provision for dumping of topsoil and limestone stock is made temporarily.	77,174.72 m3 of top soil has been generated and utilized for green belt development.	
4b	Location of topsoil, OB and mineral reject dumps	Top Soil(Temporary ): N1667360 to N1667432 E 191102 to E191194 Limestone(Temp orary): N1667454 to N1667551 E 191062 to E191166	Topsoil generated is utilised for green belt development in the safety zone area.	

4c	Number of dumps within lease area and outside of lease area	One top soil dump & one Limestone stock proposed temporarily with in ML area. there is no proposal regarding dumping outside ML area.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The location of dumps are beyond UPL.	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	Two	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	garland drains are proposed all along dumps	Nil	Lessee has reported that retaining wall and garland drain will be constructed after formation of dumps garland drain will be developed all along dump.
4i	Length of Retaining wall or garland drain all along dumps	750 meters length is proposed	Nil	Lessee has reported that retaining wall and garland drain will be constructed after formation of dumps garland drain will be developed all
4j	Number of settling ponds	No proposal	Nil	



4k	Specific comments of inspecting officer on waste dump management	Provision for separate dumping of topsoil and Limestone stock has been proposed temporarily. Since topsoil generated is utilised for plantation and limestone is consumed by the captive cement plant. No dump were developed.
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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.	No such proposal has been made.	Nil	
5b	Area under backfilling of mined out area	No such proposal has been made.	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.			No area of the mine is excavated upto the ultimate pit limit to start backfilling.

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Progressive Mine Clousre Plan:

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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 in time	Submitted in time	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2021-22 - 1.0 Ha 2022-23 - 1.0 Ha	2021-22 - 1.81 Ha 2022-23 - 4.64 Ha (till Feb'23)	
6d	No. of saplings planted during the year	2021-22 - 2000 Nos. 2022-23 - 2000 Nos.	2021-22 - 7035 Nos. 2022-23 - 21100 Nos. (till Feb'23)	
6e	Cumulative no .of plants	No proposal	34135 Nos.	
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)Afforestation 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)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2021-22 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.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire mineral to be consumed by the captive cement plant	Entire mineral consumed by the captive cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal has been made.	Nil	
7c	Different grade of mineral sorted out at mines.	No such proposal has been made.	Nil	
7d	Any beneficiation process at mines	No such proposal has been made.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade is been generated in the mine. 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)	2021-22 - 51,700 Cum	2021-22 - 77174.72 m3 of top soil has been generated and utilized for green belt development.	
8b	Concurrent use or storage of topsoil	2021-22 - 51,700 Cum	2021-22 - 77174.72 m3 of top soil has been generated and utilized for green belt development.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, Provision for separate dumping of topsoil and Limestone stock has been proposed temporarily.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal has been made.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal has been made.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2021-22 - 2000 Nos. 2022-23 - 2000 Nos.	2021-22 - 7035 Nos. 2022-23 - 21100 Nos. (till Feb'23)
8g	Survival rate	No such proposal has been made.	90%
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water tankers provided for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Greenbelt development is well developed within the lease area to maintain the aesthetic beauty.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted in time as per rule	Submitted as per rule	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. P. Bheemaraj Mining Engineer - Sri. G Sai Kiran Geologist - Sri. Vallepu Prasad	Manager - Sri. P. Bheemaraj Mining Engineer - Sri. G Sai Kiran Geologist - Sri. Vallepu Prasad	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Opencast - 1.6 Ha Infrastructure - 9.32 Ha Geenbelt - 1.82 Ha	Opencast - 1.6 Ha Infrastructure - 9.32 Ha Geenbelt - 1.82 Ha	
9d	Scrutiny of Annual return on afforestation	7035 Nos.	7035 Nos.	
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	Furnished.	222194.57 tones of limestone has been dispatched from Pit-1. Hence stock is Nil.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished.	Ex. Mine price & production cost is Rs.189.31/-	
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets is Rs.174028871/-	Fixed assets couldn't be verified.	
9k	Scrutiny of Annual return on mining machineries	Hydraulic Shovel - 3 Nos. Tippers - 3 Nos. Wheel Loader - 1 No. Water Tanker - 1 No.	Same as submission	

**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
MCDR17	Rule 31(1)	17-APR-23			

**Date :**

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines