

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-123/HYD

**Mine code :** 38APR11056

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Thulasi Reddy, Manager (Mines)  
Official with  
Designation
- (iv) Date of Inspection : 09-MAY-23
- (v) Prev.inspection date : 21-JUL-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RACHERLA**
- (b) **Registration NO.** : **522**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : **ANDHRA PRADESH**  
District : **KURNOOL**  
Village : **RACHERLA**  
Taluka :  
Post office : **PEAPALLY**  
Pin Code :  
FAX No. : **08522- 249920.**  
E-mail : **unit2mines@priyacement.com**  
Phone : **08522- 249918/19**
- (f) Police Station : **RACHERLA**
- (g) First opening date : **15-JAN-98**
- (h) Weekly day of rest : **SUN**
2. Address for : **M/S RAIN COMMODITIES LTD,**  
correspondance : **BOINCHERUVUPALLY (V), PEAPULLY(M),**  
**KURNOOL-518220**
3. (a) Lease Number : **APR1257**
- (b) Lease area : **510.25**
- (c) Period of lease : **30**
- (d) Date of Expiry : **29-JAN-27**
4. Mineral worked : **LIMESTONE** Main  
**SHALE** Associated

## 5. Name and Address of the

Lessee : RAIN COMMODITIES LTD  
 34, GREEN TOWERS, SRINAGAR  
 COLONY HYDERABAD HYDERABAD  
 TELANGANA  
 Phone: 08522-249918/19, 040-40401234  
 FAX : 08522-249920

Owner : N.SUJITH KUMAR REDDY  
 RAIN INDUSTRIES LTD, PLOT  
 34 SRINAGAR COLONY HYDERABAD  
 HYDERABAD TELANGANA  
 Phone: 3740737, 3740747  
 FAX : 3740770

Agent : Shri C. Mallikarjuna Reddy  
 M/s Rain Industries Limited  
 Rain Center, 34, Srinagar  
 Colony, Hyderabad  
 (Telangana) HYDERABAD  
 TELANGANA  
 Phone:  
 FAX :

## Mining Engineer

Name : K.NAGA THULASI REDDY, Full Time  
 Qualification : B.E. MINING  
 Appointment/ : 20-APR-00  
 Termination date

## Geologist

Name : Dr.Y.Prabhakara Reddy, Full Time  
 Qualification : MSc. Geo  
 Appointment/ : 24-DEC-12  
 Termination date

## Manager

Name : k.Ramanjaneya Reddy  
 Qualification :  
 Appointment/ : 01-JAN-16  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	22-APR-03
Plan/Scheme of Mining		Modif. approved Mining Scheme	02-MAY-06
		Modif. approved Mining Scheme	19-DEC-06
		Mining Scheme rule 12 MCDR1988	16-APR-08
		Fresh under rule 22 MCR1960	30-JUL-09
		Mining Scheme rule 12 MCDR1988	12-SEP-13
		MP review under 17(1) MCR 2016	21-MAR-18
		MP modif under 17(3) MCR 2016	17-JUL-20

## 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 2022-23	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	M/s. Omkar Constructions, Ananthapur, A.P. Rs.15299243.26/- spent for drilling 218 Nos. of boreholes of total 10493.9 meters	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal for the year 2022-23	Entire lease area is covered under G1 level of exploration	
1e	Balance reserve as on 01/04/20	-----	Total Reserves as on 30/11/2022 as per the approved Modified Mining Plan is : Proved Mineral Reserves (111) - 337.68 million tonnes with CaO-46.19% & SiO2-13.65%	
1f	General remarks of inspecting officers on geology, exploration etc			Entire mining area is covered under G1 level of exploration. 471 Ha is proved as mineralised area and 39.25 Ha is proved as non-mineralised area.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E815337.7957- N1684306.2997 E8161612.7520- N1685904.786 E816558.4985- N1684774.1149 E815792.168- N1683958.1192	Work done with the proposed co-ordinates	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches proposed	Only mineral benches developed
2c	Stripping ratio or ore to OB ratio	No proposal	Nil
2d	Quantity of topsoil generation in m3	2022-23 - 4250 cu.m	2022-23 - 216 cu.m
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 overburden generated in the mining area. Topsoil is scrapped and utilised for plantation purpose.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2022-23 - 2258231 Tonnes	2022-23 - 1809000 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	2022-23 - 347942.5 Tonnes	2022-23 - 120577 Tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	Cao - Below 40% & SiO2 - above 13.6%	Cao - Below 40% & SiO2 - above 13.6%	
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 proposed in the mineral benches	Drilling and blasting carried out in the mineral benches
3k	Provision of mining machineries in mineral benches	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 9 meters	Bench height is being maintained as 9 m. Digging height of the excavators are compatible with bench height.
3m	Total area covered under excavation/pits	Pit - 56.75 Ha	Pit - 56.75 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	Pit - 56.75 Ha Mineral rejects - 14.72 Ha Roads - 8.09 Ha Infrastructure - 0.25 Ha Topsoil storage - 0.35 Ha	Pit - 56.75 Ha Mineral reject - 14.94 Ha Others - 17.225

3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 1981121 Te 2019-20 - 2221680 Te 2020-21 - 2397389 Te 2021-22 - 2232211 Te 2022-23 - 2258231 Te	2018-19 - 1332767 Te 2019-20 - 1496000 Te 2020-21 - 1211500 Te 2021-22 - 1499920 Te 2022-23 - 1809000 Te
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3q	General remarks of inspecting officers on method of mining etc.	Mining done by Open cast method with deep hole drilling and blasting technique for ore fragmentation in combination of Shovel and Dumpers for ore transportation. Common mine boundary permission for ML-1 & ML-2 and work being carried out accordingly.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dump proposed for mineral rejects	Seperate mineral reject dump maintained in the earmarked area.	
4b	Location of topsoil, OB and mineral reject dumps	Mineral reject dump proposed at E817306-N1685675 to E817232-N1685479	Mineral reject dump developed and maintained in the proposed area.	
4c	Number of dumps within lease area and outside of lease area	Within lease area - 02 dumps Outside lease area - 02 dumps	Within lease area - 02 dumps Outside lease area - 02 dumps	Dump available outside the lease area are old dumps
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	
4e	Number of active and alive dumps.	One	One	

4f	Number of dead dumps.	One dead dump within the lease area and two dead dump outside the lease area	One dead dump within the lease area and two dead dump outside the lease area	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal for the year 2022-23	No work done during the year 2022-23	Garland drain and retaining bund developed around the dump area.
4i	Length of Retaining wall or garland drain all along dumps	No proposal during the year 2022-23	Nil	
4j	Number of settling ponds	No proposal during the year 2022-23	Nil	
4k	Specific comments of inspecting officer on waste dump management			Mineral reject dump developed within the lease and two old dumps found outside the lease area. Old dumps are being stabilised by carrying out plantation on the dumps.

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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 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.			No area of the mine is excavated upto the ultimate pit limit to start backfilling.

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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 on PMCP to be submitted by the lessee before 1st July of every year	Annul report not submitted for the year 2023-24. Lessee has reported that annual report on PMCP will be submitted before the due date.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2022-23 - 0.35 Ha within lease area & 0.77 Ha outside lease area	2022-23 - 0.19 Ha within lease area & 0.21 Ha outside lease area	
6d	No. of saplings planted during the year	2022-23 - 700 within lease area & 1500 outside lease area	2022-23 - 1400 within lease area & 1581 outside lease area	
6e	Cumulative no .of plants	No proposal	Nil	
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 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 2022-23 and all the parameters are within the permissible limit.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Greenbelt development is well developed within & outside the lease area to maintain the aesthetic beauty.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	
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			Mineral reject generated in the mine is being stacked in the earmarked area. Low grade is blended with high grade limestone and consumed for the cement plant.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed to remove and utilise the topsoil seperately	Topsoil removed seperately and utilised for plantation	

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8b	Concurrent use or storage of topsoil	Proposed to use topsoil for plantation	Topsoil utilised for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumps to be maintained for the mineral rejects generated	Seperate dumps maintained for the mineral rejects generated	
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)	2022-23 - 700 within lease area & 1500 outside lease area 2022-23 - 0.35 Ha within lease area & 0.77 Ha outside lease area	2022-23 - 1400 within lease area & 1581 outside lease area 2022-23 - 0.19 Ha within lease area & 0.21 Ha outside lease area	
8g	Survival rate	No proposal	75%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust supression.	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 & outside the lease area to maintain tha aesthetic beauty.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly return and annual return to be submitted in time as per rule	Monthly returns submitted and lessee has reported that annual returns for the year 2023-24 will be submitted online within the due date.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date	Manager & Mining Engineer - Sri Naga Thulasi Reddy Geologist - Sri. N. Shivaprasad	Sri. N. Shivaprasad, Geologist appointed on 08/05/2023. No intimation of appointment submitted to this office. Violation issued as per rule.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date.	Annual return for the year 2022-23 was scrutinised during the last inspecting official and violation pointed out for the deficiencies observed.	
9d	Scrutiny of Annual return on afforestation	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date.	Annual return for the year 2022-23 was scrutinised during the last inspecting official and violation pointed out for the deficiencies observed.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date.	Annual return for the year 2022-23 was scrutinised during the last inspecting official and violation pointed out for the deficiencies observed.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date.	Annual return for the year 2022-23 was scrutinised during the last inspecting official and violation pointed out for the deficiencies observed.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date.	Annual return for the year 2022-23 was scrutinised during the last inspecting official and violation pointed out for the deficiencies observed.
9h	Scrutiny of Annual return on fixed assets	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date.	Annual return for the year 2022-23 was scrutinised during the last inspecting official and violation pointed out for the deficiencies observed.
9k	Scrutiny of Annual return on mining machineries	Lessee has reported that annual returns for the year 2023-24 will be submitted before due date.	

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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 :**

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines