

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **DP09** ) **D.P.Ravi kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri K.Nagathulasi Reddy, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 29/07/2024
- (v) Prev.inspection date : 28/11/2019

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RACHERLA**
- (b) **Registration NO.** :
- (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 :  
Phone : 08522- 249918/19
- (f) Police Station : RACHERLA
- (g) First opening date : 15/01/1998
- (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 : 29/01/2027
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 : M.Achi Reddy  
 Rain Cements Ltd.  
 Racherla(V) Kurnool dt.  
 KURNOOL ANDHRA PRADESH  
 Phone:  
 FAX :

## Mining Engineer

Name : K.NAGA THULASI REDDY, Full Time  
 Qualification : B.E. MINING  
 Appointment/ : 20/04/2000  
 Termination date

## Geologist

Name : Dr.Y.Prabhakara Reddy, Full Time  
 Qualification : MSc. Geo  
 Appointment/ : 24/12/2012  
 Termination date

## Manager

Name : k.Ramanjaneya Reddy  
 Qualification :  
 Appointment/ : 01/01/2016  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	22/04/2003
Plan/Scheme of Mining		Modif.approved Mining Scheme	02/05/2006
		Modif.approved Mining Scheme	19/12/2006
		Mining Scheme rule 12 MCDR1988	16/04/2008
		Mining Scheme rule 12 MCDR1988	12/09/2013
		MP review under 17(1) MCR 2016	21/03/2018

## 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	Entire mineralised area has been explored under G1 level.
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	Entire mineralised area has been explored under G1 level.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-do-	-do-	do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Entire mineralised area has been explored under G1 level.	Entire mineralised area has been explored under G1 level.
1e	Balance reserve as on 01/04/20	Nil	Resrves as on 01.04.2024 =335149172.83 Tons.	grade Cao - 46.19%
1f	General remarks of inspecting officers on geology, exploration etc			The lease area forms a part of Cuddapah super group which has two distinct sub basins (Kurnool and paland basin). These sub basins are made up of sandstone, shales, Limestone which is included in the Kurnool subgroup of middle to upper Proterozoic age corelabel with lower Vindhyan supe group of (Semri series).

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	a) North bench No.1, proposed excavation:  N 1684765.4 - 1685004.7 E 816288.8 - 816561.3 b) North bench No.2, proposed excavation:  N 1684771.3 -- 1684969.6 E 816262 - 816511  c) North bench No.3, proposed excavation:  N 1684717.6 - 1684954.7 E 816198 - 816480.3  d) North bench No.4, proposed excavation:  N 1684662.3 - 1684852.4 E 816101.7 - 816403.5  e) North bench No.5, proposed excavation:  N 1684614.6 - 1684813.4 E 816102.2 - 816329  f) North bench No.5 S, proposed e	ii) Actual of production and development during F.Y. 2023-24 in between UTM co-ordinates:  a) North bench No.1, actual excavation:  N 1684786.6 - 1685000.8 E 816303.3 -- 816564.5 b) North bench No.2, actual excavation:  N 1684767.7 - 1684972.3 E 816252.1 - 816513.2  c) North bench No.3, actual excavation:  N 1684731.6 - 1684953.3 E 816197 - 816454.8  d) North bench No.4, actual excavation:  N 168467.14 - 1684899.6 E 816094.5 -- 816385.7  e) North bench No.5, actual exca	Violation has been pointed out for area deviation.
----	--	---	--	--

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	top soil is proposed to be removed by scrapping and No OB generation is envisaged. benches in mineral are proposed.	top soil is scrapped separately benches in mineral are maintained.	Nil
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	Nil
2d	Quantity of topsoil generation in m3	3899 cum	1368 cum	Nil
2e	Quantity of overburden generation in m3	No proposal.	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development and production is being done through fully mechanized means. Further, a violation has been pointed out for area deviation.

---

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil
3b	Quantity of ROM mineral production proposed	2462437.25 Tons	1868196 tons	Nil
3c	Recovery of sailable/usable mineral from ROM production	2462437.25 Tons	1868196 tons	Nil
3d	Quantity of mineral reject generation	147746.24 Tons	143405 Tons	Nil

---

3e	Grade of mineral rejects generation and threshold value declared.	CaO: 34%-46.19%	CaO: 34%-46.19%	Nil
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal.	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.	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.	Drilling & blasting is carried out.	No comments offered.
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.	No comments.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 m	maintained.	Nil
3m	Total area covered under excavation/pits	57.65 Ha	56.45Ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	Nil	Nil

3o	Total area put in use under different heads at the end of year	90.41 ha.	88.16 ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20 - 2104750 MT 2020-21 - 2397390 MT 2021-22 - 2232212 MT 2022-23 - 2258230 MT 2023-24- 2462437 MT	2019-20 - 1582375 MT 2020-21 - 1581580 MT 2021-22 - 1499920 MT 2022-23 - 1809000 MT 2023-24 - 1868196 MT	Nil
3q	General remarks of inspecting officers on method of mining etc.		production is carried out from one pit by opencast mining method as proposed.	production is carried out from one pit by opencast mining method as proposed.

#### 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.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Mineral Reject Dump: E 817190.6779 - E 817357.8716, N1685479.3700- N1685675.2144	Mineral reject dump developed and maintained in the proposed area.	Nil
4c	Number of dumps within lease area and outside of lease area	Within Lease - 3 No. Out side lease - 2 No	Within Lease -3 No. Out side lease - 2 No	Mineral reject dumps

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside the ultimate pit limit.	Inside the ultimate pit limit.	Mineral reject dumps.
4e	Number of active and alive dumps.	one	one	Nil
4f	Number of dead dumps.	One	One	Nil
4g	Number of dumps established.	One	One	Mineral reject dump.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal for the year 2023-24	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal during the year 2023-24	Nil	Nil
4j	Number of settling ponds	No proposal during the year 2023-24	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		solid waste management is carried out as proposed	solid waste 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	Nil
5b	Area under backfilling of mined out area	No proposal.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	Nil

---

5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Not envisaged, as area is not matured for reclamation.	Not envisaged, as area is not matured for reclamation.

---

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 submitted before 1 st July.	Submitted.	Nil
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	Nil
6c	afforestation done (ha).	0.2 ha.	0.2 ha.	Nil
6d	No. of saplings planted during the year	600 nos. of saplings.	604 nos of saplings.	Nil
6f	Any other method of rehabilitation	No proposal.	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal.	Nil	Nil

---

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits.	No deviation.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.

---

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed duirng the inspection.	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.	Nil
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	Nil
7d	Any beneficiation process at mines .	There is no proposal for any beneficiation at mines.	No beneficiation prcatise was noticed at the mines.	No deviation noticed.

---

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed during the inspection.	No deviation noticed.
----	--	---	---	-----------------------

---

**Environment:**


---

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to remove topsoil and utilise in simultenaously for plantation purpose	Same was noticed during the inspection.	There is no deviation
8b	Concurrent use or storage of topsoil	It is proposed to use the topsoil for plantation.	Same was noticed during the inspection	No deviation noticed.
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.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	Nil

---

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	600 nos.	604 nos.	Total 67947 Nos of planted within 8.65 ha leasearea. 113543 Nos of plants planted at outside the lease.
8g	Survival rate	80%	80%	Nil
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty in and around the mines area is maintained.	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	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	K. Naga Thulasi Reddy, (Mines Manager & Mining Engineer), N. Sivaprasad, Geologist	Same was confirmed during the inspection.	No deviation

---

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under mining =56.45 Ha Mineral Storage = 14.72 Ha Infrastructure (Magazine) = 0.25 Ha Roads = 8.09 Ha Top soil stock = 0.00 Ha Others(Green belt) - 8.65 Ha  Total = 88.16 ha.	The same was confirmed duiirng the inspection.	Nil
9d	Scrutiny of Annual return on afforestation	604 nos of plants are planted at with in lease.	Same was noticed duiirng the inspection.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	143405 tons of Mineral reject is generated.	found to be in order.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	143405 tons of Mineral Rejects is added to existingmineral reject dump FY 2023-24.	found to be in order	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price Rs.172.80/t	The same was confirmed duiirng the inspection.	Nil
9h	Scrutiny of Annual return on fixed assets	Rs.184092690/-	The same was not scrutinised.	Nil

9k	Scrutiny of Annual return on mining machineries	6 Nos of TIPPER with capacity of 23M3, 1 no.of WATER TANKER with capacity of 17000 Ltrs. 2 Nos of BACKHOEwith 2.5M3bucket capacity. 1No. of DOZER with capacity 324 Hp. 1 no. of BLAST HOST DRILL with 150mmdia. 1 no. of ROAD ROLLER with 11Tons. 6 nos of OTHER MACHINERY	Same were confirmed duirng the inspection.	No comments.
----	---	---	--	--------------

---

**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 11(1)	06/08/2024			

**Date :**

**(D.P.Ravi kumar)**

Indian Bureau of Mines