

**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 : PG01 ) P.GURUVAIAH  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : NAGATULASI REDDY MINES MANAGER.  
Official with  
Designation
- (iv) Date of Inspection : 17/07/2018
- (v) Prev.inspection date : 07/06/2017

**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 correspondance** : M/S RAIN COMMODITIES LTD,  
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 proposal.	Nil	Total exploration was completed between Aug-2014-june 2016.
1b	Exploration over lease area for geological axis 1 or 2	510.25 ha	471 ha	Total exploration was completed between Aug-2014-june 2016.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	Total exploration was completed between Aug-2014-june 2016.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified.	39.25 ha.	The balance area is covered by hill.RCL -105 is drilled on the top of the hill. The strata are quartzite -22mts, Shale-14 mts &Cavity 18mts,it indicates highly disturbed and non-mineralized zone.
1e	Balance reserve as on 01/04/20	148.28 Mill.Tones.	327.57 Mill.tones.	The balance area is covered by hill.RCL -105 is drilled on the top of the hill. The strata are quartzite -22mts, Shale-14 mts &Cavity 18mts,it indicates highly disturbed and non-mineralized zone.
1f	General remarks of inspecting officers on geology, exploration etc	510.25 ha.	471 ha.	Total exploration was completed between Aug-2014-june 2016.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-E direction.	N-E direction.	-

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yellow ocher-overburden= 3 Benches. Ore = 3 benches.	yellow ocher-overburden= 3 Benches. Ore = 3 benches.	-
2c	Stripping ratio or ore to OB ratio	1 : 0. 043	1 : 0.343	-
2d	Quantity of topsoil generation in m3	5000 Cum	5425 Cum	-
2e	Quantity of overburden generation in m3	53500 Cum.	155632 Cum.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	North East Direction.	North East Direction.	-

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 PIT.	1 PIT.	-
3b	Quantity of ROM mineral production proposed	2719625 MT.	1332767 MT.	-
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	-
3d	Quantity of mineral reject generation	No proposal.	Nil	There is no mineral reject generation.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	There is no mineral reject generation.
3f	Quantity of sub grade mineral generation.	48500 Cum.	150207 Cum.	-
3g	Grade of sub grade mineral generation	Cao-35.60 % SiO2 -22.80 %	Cao - 40.11 % Sio2 -23.25 %	-

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	Wet drilling & Controlled blasting with NONELS.	Wet drilling & Controlled blasting with NONELS.	-
3k	Provision of mining machineries in mineral benches	Excavators & Dumpers.	Excavators & Dumpers.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Yes.	-
3m	Total area covered under excavation/pits	11.58 ha	5.6 ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0 . 043.	1 : 0 . 343.	-
3o	Total area put in use under different heads at the end of year	Undr Mining - 5932 ha. Green belt - 10.70 ha. Sub-grade dump- 2.28 ha. Magazine -0.25 ha. Roads -0.50 ha. Soil dump- 1.28 ha. otal -74.33 ha.	Roads -0.50 ha. Soil dump- 1.28 ha. Total-72.82 ha.	-

3p	Production of ROM mineral during the last five year period as applicable	2013-14--2740608 MT, 2014-15--2693375 MT, 2015-16--2756718 MT, 2016-17-2724004 MT, 2017-18--2719625 MT	2013-14--1543000 MT, 2014-15--1545010 MT, 2015-16--1161756 MT, 2016-17-1282230 MT, 2017-18--1332767 MT.	-
3q	General remarks of inspecting officers on method of mining etc.	Open cast Mechanised Method.	Open cast Mechanised Method.	-

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES.	Maintained Separetily.	-
4b	Location of topsoil, OB and mineral reject dumps	South and soth west of the mine.	South and soth west of the mine.	-
4c	Number of dumps within lease area and outside of lease area	Within ML area - 2-dumps. Out side ML area - 2 dumps.	Within ML area - 2-dumps. Out side ML area - 2 dumps.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within ML area.	Within ML area.	-
4e	Number of active and alive dumps.	One dump	One dump.	-
4f	Number of dead dumps.	No proposal.	3 dumps.	-
4g	Number of dumps established.	No proposal.	3 dumps.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes.	-
4i	Length of Retaining wall or garland drain all along dumps	Yes.	Yes.	-

4j	Number of settling ponds	No proposal.	nil	-
4k	Specific comments of inspecting officer on waste dump management	Within ML area - 2-dumps. Out side ML area - 2 dumps.	Within ML area - 2-dumps. Out side ML area - 2 dumps.	-

### 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.	The area is not matured for back filling.	-
5b	Area under backfilling of mined out area	No proposal.	The area is not matured for back filling.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	what ever top soi generated is utilised for plantation.1	-
5d	Total area fully reclaimed and rehabilitated	No proposal.	The area is not Matured for rehabilitation.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	The area is not matured for back filling.	-

### 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).	Yes.	Submitted.	-
6b	Area available for rehabilitation (ha) .	No proposal.	Area is not Matured for rehabilitation.	Area is not Matured for rehabilitation.

6c	afforestation done (ha).	No proposal.	Nil	Area is not Matured for rehabilitation.
6d	No. of saplings planted during the year	No proposal.	Nil	Area is not Matured for rehabilitation.
6e	Cumulative no .of plants	No proposal.	Nil	Area is not Matured for rehabilitation.
6f	Any other method of rehabilitation	No proposal.	Nil	Area is not Matured for rehabilitation.
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Area is not Matured for rehabilitation.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal.	Nil	Area is not Matured for rehabilitation.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Area is not Matured for rehabilitation.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Nil	Area is not Matured for rehabilitation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Area is not Matured for rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	Area is not Matured for rehabilitation.



6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No poposal.	Nil	Area is not Matured for rehabilitation.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Area is not Matured for rehabilitation.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	Area is not Matured for rehabilitation.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Completed.	Completed.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	yes.	Submitted.	-

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2719625 MT	1332767 MT	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Entire ore despatch to crusher point.	Entire ore despatch to crusher point.	-
7c	Different grade of mineral sorted out at mines.	No proposal.	whenever sub grade ore generated will be stocked in sub -grade stock.	-
7d	Any beneficiation process at mines	No proposal.	Nil	-

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal.	Some times sub grade blended high grade ore.	-
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	5000 Cum.	5425 Cum.	-
8b	Concurrent use or storage of topsoil	No proposal.	17712 Cum .Utilised for plantation. Nil-Storage.	17712 Cum .Utilised for plantation. Nil-Storage.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes.	Yes.	Two dumps within Mining lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	Area is not matured for restoring.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	Area is not matured for reclamation and rehabilitation Stage.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000 Nos. 2.00 ha.	2200 Nos. 1.50 ha.	2200 Nos. 1.50 ha.
8g	Survival rate	80 %.	80 %.	-

8h	Water sprinkling on roads to control airborne dust	Yes.	Yes.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not Specified.	plantation carried out by lessee in and around mines area it supports aesthetic beauty.	plantation carried out by lessee in and around mines area it supports aesthetic beauty.

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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 being submitted within stipulated time	Monthly and Annual Returns are being submitted within stipulated time	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri.K.Ramanjaneya Reddy, Mines Manager, Sri.N.Narayana Reddy, Mining Engineer, Dr.Y.Prabhakara Reddy, Geologist	Sri.K.Ramanjaneya Reddy, Mines Manager, Sri.N.Narayana Reddy, Mining Engineer, Dr.Y.Prabhakara Reddy, Geologist	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Pits-49.63 ha, Infrastructure : 3.92 Ha, :- Plantation: 10 Ha :, Dumps- 7.6 ha	More or less same.	-
9d	Scrutiny of Annual return on afforestation	895	895	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)			-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-Yes	Yes.	-

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.Price-158/ cost of prod- 158/	Ex.Price-158/ cost of prod-158/	-
9h	Scrutiny of Annual return on fixed assets	Yes.	Yes.	-
9k	Scrutiny of Annual return on mining machineries	Dumpers-5 Back hoe-1 shovel-1 Dozer-1 blas host drill-1 Water tanker-1 Road Roller-1.	Dumpers-5 Back hoe-1 shovel-1 Dozer-1 blas host drill-1 Water tanker-1 Road Roller-1. .blas host drill-1 Water tanker-1 Road Roller-1.	-

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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 :**

(P.GURUVAIAH)

Indian Bureau of Mines