

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/L.ST-195/HYD

Mine code : 38APR11177

- (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 : 16/07/2018
- (v) Prev.inspection date : 04/09/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : RACHERLA(17.82 HA)
- (b) **Registration NO.** : 522
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : RACHERLA
- Taluka :
- Post office :
- Pin Code :
- FAX No. : 08522249920
- E-mail : WWW.priyacement.com
- Phone : 08552249919
- (f) **Police Station** : RACHERLA
- (g) **First opening date** : 19/04/2012
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SREEPURAM
BOINCHERVUPALLY, PEAPULLY MANDAL
KURNOOL
3. (a) **Lease Number** : APR3304
- (b) **Lease area** : 17.82
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 18/04/2032
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : RAIN CEMENTS LTD
 SREEPURAM, BOINCHEVUPALLY,
 PEAPALLY MANDAL KURNOOL
 ANDHRA PRADESH
 Phone:085222249919
 FAX :08552249920

Owner : RAIN CEMENTS LIMITED
 UNIT-II:RCL,SREEPURM
 BOINACRUVUPALL
 PEAPULLY(M)KURNOOL DIST
 KURNOOL ANDHRA PRADESH
 Phone: 08522249919
 FAX : 08522249920

Agent : P. ACHTYUTARAMAYYA
 M/S. HEMADRI CEMENTS
 VEDADRI VILLAGE,
 JAGGAYYAPETA (M) KRISHNA
 DIST. KRISHNA ANDHRA
 PRADESH
 Phone:
 FAX :

Manager

Name : K.NAGATHULASIREDDY
 Qualification : B.E(MINING)
 Appointment/ : 05/01/2016
 Termination date

6. Date of approval of Mining : MP review under 17(1) MCR 2016 27/01/2017
 Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal.	Nil	The entire area was covered under (111).
1b	Exploration over lease area for geological axis 1 or 2	No proposal.	Nil	The entire area was covered under (111).
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	Nil	The entire area was covered under (111).
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	The entire area was covered under (111).
1e	Balance reserve as on 01/04/20	13.95 Mill.Tonnes.	16.48 Mill.Tonnes.	The entire area was covered under (111).
1f	General remarks of inspecting officers on geology, exploration etc	No proposal.	Nil	The entire area was covered under (111) by Core bore holes in three phases.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposed Bench 1 & 2 towards North East portion in Section A-A.	Development is carried out as proposed	Development is carried out as proposed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal.	There is no top soil and O.B generation.	The area has not having the top soil and Overburden.
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	The area has not having overburden.
2d	Quantity of topsoil generation in m3	No proposal.	Nil	The area has not having top soil.
2e	Quantity of overburden generation in m3	No proposal.	Nil	The area has not having the overburden.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Proposed Bench 1 & 2 towards North East portion in Section A-A.	Development is carried out as proposed.	Development is carried out as proposed.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	one pit	one pit.
3b	Quantity of ROM mineral production proposed	299638 T	80,000 T.	Due to lack of demand production is less.
3c	Recovery of sailable/usable mineral from ROM production	No proposal of recovery.	The entire ROM is transported to the Crushing plant.	The entire ROM is transported to the Crushing plant.
3d	Quantity of mineral reject generation	No proposal of mineral reject generation.	Nil	There is no mineral reject generation.
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable.	Nil	There is no mineral reject generation.
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	There is no Sub grade mineral generation.
3g	Grade of sub grade mineral generation	No proposal.	Nil	There is no Sub grade mineral generation.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method.	Mechanised method.	Mechanised method.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	There is no Sub grade mineral generation.

3j	Provision of drilling and blasting in mineral benches	Deep hole drilling .KLR Drill machine of 150 mm dia. Blasting with combination of ANFO & Slurry Explosives, Delay milli seconds detonators.	Deep hole drilling .KLR Drill machine of 150 mm dia. Blasting with combination of ANFO & Slurry Explosives, Delay milli seconds detonators.	Deep hole drilling .KLR Drill machine of 150 mm dia. Blasting with combination of ANFO & Slurry Explosives, Delay milli seconds detonators.
3k	Provision of mining machineries in mineral benches	Hydraulic Excavator. ZAXIS 450 LC. Bucket Ccapacity 2.5 Cum.	Hydraulic Excavator. ZAXIS 450 LC. Bucket Ccapacity 2.5 Cum.	Hydraulic Excavator. ZAXIS 450 LC. Bucket Ccapacity 2.5 Cum.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	There is no overburden proposal.	Nil	There is no overburden generation.
3m	Total area covered under excavation/pits	1.26 ha	1.83 ha	1.83ha
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.of overburden.	Nil	There is no overburden generation.
3o	Total area put in use under different heads at the end of year	under mining - 1.26 ha, green belt - 0.076 ha. Total - 1.336 ha.	under mining -1.83 ha, Roads -- 0.57ha. Total - 2.40 ha. ha.	under mining -1.83 ha, Roads -- 0.57ha. Total - 2.40 ha. ha.

3p	Production of ROM mineral during the last five year period as applicable	2013-14 : 290827 tonnes 2015-16 : 329410 tonnes. 2016-17 : 292260 tonnes. 2017-18: 299638tonnes	2013-14 : N I L 2014-15 : N I L	-
		2013-14: 290827 tones. 2014-15 : 290827 tonnes. 2015-16 : 329410 tones. 2016-17 : 292260 tones. 2017-18 : 299638 tones.	2015-16 : N I L 2016-17: 100000 tonnes. 2017-18 : 70,000 tonnes upto August 2017	
3q	General remarks of inspecting officers on method of mining etc.	Open cast mechanised method.	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)	No proposal.	Nil	The area has not having the top soil ,Overburden and mineral rejects.
4b	Location of topsoil, OB and mineral reject dumps	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4c	Number of dumps within lease area and outside of lease area	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4e	Number of active and alive dumps.	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.

4f	Number of dead dumps.	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4g	Number of dumps established.	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4h	Whether Retaining wall or garland drain all along dumps are there.	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4i	Length of Retaining wall or garland drain all along dumps	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4j	Number of settling ponds	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.
4k	Specific comments of inspecting officer on waste dump management	N.A	N.A	The area has not having the top soil ,Overburden and mineral rejects.

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	The area is not matured for back filling.
5b	Area under backfilling of mined out area	No proposal.	Nil	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.	Nil	The area is not matured for back filling.

5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	The area is not matured for back filling.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	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.	Submitted.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	Area is not reached rehabilitation stage.
6c	afforestation done (ha).	No proposal.	Nil	Area is not reached rehabilitation stage.
6d	No. of saplings planted during the year	No proposal.	Nil	Area is not reached rehabilitation stage.
6e	Cumulative no .of plants	No proposal.	Nil	Area is not reached rehabilitation stage.
6f	Any other method of rehabilitation	No proposal.	Nil	Area is not reached rehabilitation stage.
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Area is not reached rehabilitation stage.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	Area is not reached rehabilitation stage.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Area is not reached rehabilitation stage.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Nil	Area is not reached rehabilitation stage.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Area is not reached rehabilitation stage.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	The Area is not reached rehabilitation stage.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil	The Area is not reached rehabilitation stage.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	Nil	The Area is not reached rehabilitation stage.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	Nil	The Area is not reached rehabilitation stage.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Completed.	Completed.	The Area is not reached rehabilitation stage.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No proposal.	Nil	The Area is not reached rehabilitation stage.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	299638 Tonnes.	80,000Tonnes.	Due to lack of demand production is less.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	Entire ROM is transforted to crushing plant.
7c	Different grade of mineral sorted out at mines.	No proposal.	Nil	Entire ROM is transforted to crushing plant.
7d	Any beneficiation process at mines	No proposal.	Entire ROM is transforted to crushing plant.	Entire ROM is transforted to crushing plant.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal.	Nil	There is no beneficiation issues.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	There is no top soil and overburden available in the M.L area.
8b	Concurrent use or storage of topsoil	No proposal.	Nil	There is no top soil and overburden available in the M.L area.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	There is no top soil and overburden available in the M.L area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	There is no top soil and overburden available in the M.L area.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal..	Nil	The area is not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.076 ha. 100 plants.	0.25 ha. 200 plants.	-
8g	Survival rate	80 %.	80 %	80 %.
8h	Water sprinkling on roads to control airborne dust	17,000 liters capacity is used for spraying water for dust suppression at loading and haulage roads.	One mobile water sprinkler with spraying arrangement will be used for dust suppression on haul roads.	One mobile water sprinkler with spraying arrangement will be used for dust suppression on haul roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal.	Nil	Except degraded land rest of the area not disturbed and affestation gives around mines aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes,monthlyret urns and Annual return submitted in time.	Yes,monthlyreturns and Annual return submitted in time.	-

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	C. Srinivasa Reddy, Mines Manager. R.Prasanna Kumar, Geologist.	C. Srinivasa Reddy, Mines Manager. R.Prasanna Kumar, Geologist.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	pits -1.83 ha	pits- 1.83 ha.	-
9d	Scrutiny of Annual return on afforestation	200 no of plants. 80 %.	200 no of plants. 80 %.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not given.	Nil	There is no mineral reject.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	80,000T	80,000T.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.mine price-158/. cost of production-158/.	Ex.mine price-158/. cost of production-158/.	-
9h	Scrutiny of Annual return on fixed assets	Yes.	Yes.	-
9k	Scrutiny of Annual return on mining machineries	Dumpers-2. shovel-1. water tanker-1 blast host drill-1.	shovel-1. water tanker-1 blast host drill-1.	-

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