

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri C.Sreenivasa Reddy, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 29/07/2024
- (v) Prev.inspection date : 16/07/2018

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** : **SREEPURAM**
correspondance **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 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	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-do-	-do-	Entire mineralised area has been explored under G1 level.
1d	Balance area to be explored to bring Geological axis in 1 or 2	-do-	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		Reserves as on 01.04.2024= 15286665 tons	
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 palandbasin). 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	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	ii) Proposals of production and development during F.Y. 2023-24 in between UTM co-ordinates:	ii) Actual of production and development during F.Y. 2023-24 in between UTM co-ordinates: a) North bench No.1, actual excavation:	Violation has been pointed out for area deviation.
		a) North bench No.1, proposed excavation: N 1684983.4 - 1685107.9 E 816150.3 - 816305	N 1684987.3 - 1685103.6 E 816158 - 816308.3 b) North bench No.2, actual excavation: N 1684955.6 - 1685075.2 E 816121.3 - 816280.3	
		b) North bench No.2, proposed excavation: N 1684953.9 - 1685082.9 E 816117.2 - 816278.5	c)North bench No.3, actual excavation: N 1684825.4 - 1684978.3 E 816062 - 816235.2	
		c) North bench No.3, proposed excavation: N 1684840.6 - 1685008 E 816051.5 - 816233.3		
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	no top soil & OB generation are envisaged. benches in mineral are proposed.	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	No proposal.	Nil	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	299700 Tons	240446Tons	Nil
3c	Recovery of sailable/usable mineral from ROM production	299700 Tons	240446 Tons	Nil
3d	Quantity of mineral reject generation	No proposal.	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	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	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting is proposed.	Drilling & blasting is carried out.	Nil
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 9 m	Same was observed during the inspection.	No deviation.
3m	Total area covered under excavation/pits	3.76 Ha	3.67 Ha.	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	5.17 Ha	5.08 ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20-293978 MT 2020-21-275135 MT 2021-22 - 278261 MT 2022-23 - 179100 MT 2023-24- 299700 MT	2019-20-80450 MT 2020-21-115000 MT 2021-22 -180000 MT 2022-23 -170500 MT 2023-24- 240446 MT	Nil

3g	General remarks of inspecting officers on method of mining etc.	Nil	production is carried out from one pit by opencast mining method as proposed.	Nil
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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)	No proposal.	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	Nil
4e	Number of active and alive dumps.	No proposal.	Nil	Nil
4f	Number of dead dumps.	No proposal.	Nil	Nil
4g	Number of dumps established.	No proposal.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil	Nil
4j	Number of settling ponds	No proposal.	Nil	Nil

4k	Specific comments of inspecting officer on waste dump management	No OB/waste generation is envisaged.	Nil
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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	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.		No area matured for reclamation purpose during the year 2023-24.	No area matured for reclamation purpose during the year 2023-24.

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 to be submitted before 1 st July.	submitted.	Nil

6b	Area available for rehabilitation (ha) .	No proposal.	Nil	Nil
6c	afforestation done (ha).	0.03 ha during the year 2023-24.	0.03 ha	No deviation.
6d	No. of saplings planted during the year	100 saplings	100 saplings	No deviation.
6e	Cumulative no .of plants		1300 saplings.	Nil
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	Nil	Not assessed.	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.	No deviation.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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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 during the inspection.	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is no proposal for grade-wise sorting.	No such grade wise sorting was noticed.	No deviation noticed.
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 practice 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	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	Nil
8b	Concurrent use or storage of topsoil	No proposal.	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	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)	100 Nos. of saplings 0.03 Ha	100 Nos. of saplings. 0.03 Ha	Total 1300 Nos of planted within 0.25 ha lease area.
8g	Survival rate	75%	75%	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		Lessee is implementing all the measures related to maintaining environmental balance.	The over all aesthetic beauty can be rated as above average.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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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
MCDR17	Rule 11(1)	06/08/2024			

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

Indian Bureau of Mines