

**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 : **M029**) **MADHU SUDHAN YADAV M**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Srinivas Reddy, Manager(Mines)
Official with
Designation
- (iv) Date of Inspection : 10-MAY-23
- (v) Prev.inspection date : 20-JUL-22

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-APR-12**
- (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 : **50**
- (d) Date of Expiry : **18-APR-62**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

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

Owner : N.SUJITHKUMAR REDDY
 RAIN INDUSTRIES, 34 GREEN
 TOWERS SRINAGAR COLONY
 HYDERABAD NALGONDA
 TELANGANA
 Phone: 04023747775
 FAX : 040237477758

Agent : M Achi Reddy
 Boincheruvu, Peapully
 mandal KURNOOL ANDHRA
 PRADESH
 Phone:
 FAX :

Manager

Name : C Sreenivasa Reddy
 Qualification : B Tech Mining
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30-JUL-09
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	27-JAN-17
	:	MP review under 17(1) MCR 2016	13-JAN-22
	:	MP modif under 17(3) MCR 2016	11-JAN-23

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 for the year 2022-23	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal for the year 2022-23	Lessee has reported that Rs.784742/- amount spent for drilling 12 Nos. of boreholes with 562.50 meters	
1d	Balance area to be explored to bring Geological axis in 1 or 2	----	Entire lease area covered under G1 level of exploration	
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves (111) as on 01/10/2022 as per modified mining plan is 15627611 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire mining lease area is covered under G1 level of exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E816007.4298 - N1685104.786 E816162.6279 - N1685114.6378 E816302.3158 - N1684996.1536 E816224.0655 - N1684826.3254	Work done within the proposed co-ordinates	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed to develop mineral benches only	Only mineral benches developed	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	

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. Entire mineral generated is consumed for cement plant.

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 - 179100 Tonnes	2022-23 - 170500 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
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 - 3.59 Ha	Pit - 3.59 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 - 3.59 Ha Plantation - 0.9489 Ha	Pit - 3.59 Ha Plantation - 0.9489 Ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 274469 Te 2019-20 - 293978 Te 2020-21 - 275135Te 2021-22 - 278261Te 2022-23 - 179100 Te	2018-19 - 80000 Te 2019-20 - 42550 Te 2020-21 - 80450 Te 2021-22 - 180000 Te 2022-23 - 170500 Te

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.

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	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	

4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			No dump developed in the mining lease area.

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.

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 - 0.03 Ha	2022-23 - 0.07 Ha
6d	No. of saplings planted during the year	2022-23 - 100 Nos.	2023-24 - 150 Nos.
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.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Entire ROM is utilised for the cement plant	
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	No mineral reject generated in the mining area. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
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 - 0.03 Ha & 100 Nos.	2022-23 - 0.07 Ha & 150 Nos.	
8g	Survival rate	No proposal	75%	

8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression	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 the aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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 - Sri. Srinivas Reddy Mining Engineer - Sri.G.Venkata Krishna Geologist - Sri. Suman Reddy	
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 inspection carried out on 20/07/2022.	
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 inspection carried out on 20/07/2022.	
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 inspection carried out on 20/07/2022.	

- 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 inspection carried out on 20/07/2022.
- 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 inspection carried out on 20/07/2022.
- 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 inspection carried out on 20/07/2022.
- 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. Annual return for the year 2022-23 was scrutinised during the last inspection carried out on 20/07/2022.
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines