

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-123/HYD

Mine code : 38APR11056

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri. Thulasi Reddy, Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 07-AUG-23
- (v) Prev.inspection date : 09-MAY-23

PART-I : GENERAL INFORMATION

1. (a) Mine Name : RACHERLA
- (b) Registration NO. : 522
- (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 : unit2mines@priyacement.com
Phone : 08522- 249918/19
- (f) Police Station : RACHERLA
- (g) First opening date : 15-JAN-98
- (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-JAN-27
4. Mineral worked : LIMESTONE Main
SHALES Associated

I/16782/2023

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 : Shri C. Mallikarjuna Reddy
 M/s Rain Industries Limited
 Rain Center, 34, Srinagar
 Colony, Hyderabad
 (Telangana) HYDERABAD
 TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : K.NAGA THULASI REDDY, Full Time
 Qualification : B.E. MINING
 Appointment/ : 20-APR-00
 Termination date

Geologist

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

Manager

Name : k.Ramanjaneya Reddy
 Qualification :
 Appointment/ : 01-JAN-16
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	22-APR-03
Plan/Scheme of Mining	:	Modif.approved Mining Scheme	02-MAY-06
	:	Modif.approved Mining Scheme	19-DEC-06
	:	Mining Scheme rule 12 MCDR1988	16-APR-08
	:	Fresh under rule 22 MCR1960	30-JUL-09
	:	Mining Scheme rule 12 MCDR1988	12-SEP-13
	:	MP review under 17(1) MCR 2016	21-MAR-18
	:	MP modif under 17(3) MCR 2016	17-JUL-20

I/16782/2023

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	
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		Nil	
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.	
1e	Balance reserve as on 01/04/20	As per the approved document dated 03.01.2023, the Limestone reserves are 337.68mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2023 are limestone: 335.68 milt.t.	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 co-relabel with lower Vindhyan supe group of (Semri series).	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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I/16782/2023

2a	Location of development w.r.t.lease area	one pit between grid E815528-E816609 to N1685030-N1684300	development carried out between the grid location as proposed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	top soil is proposed to be scrapped and No OB generation is envisaged. benches in mineral are proposed.	top soil is scrapped separately benches in mineral are maintained.
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil
2d	Quantity of topsoil generation in m3	4250 cu.m. during the year 2022-23.	215 cu.m.
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		development is carried out by opencast mining method as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	2.25 mil.t. during the year 2022-23.	1.809 mil.t.	advised the lessee to include the quantity of Mineral rejects generated during the mining operations in ROM production quantity.

I/16782/2023

3c	Recovery of sailable/usable mineral from ROM production	2.25 mil.t.	1.80 mil.t.
3d	Quantity of mineral reject generation	0.296 mil.t.	0.12 mil.t.
3e	Grade of mineral rejects generation and threshold value declared.	CaO: 34%-46.19%	CaO: 34%-46.19%
3f	Quantity of sub grade mineral generation.	No proposal.	Nil
3g	Grade of sub grade mineral generation	No proposal.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.
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.
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9 m	maintained.
3m	Total area covered under excavation/pits	56.75 ha	55.68 ha

I/16782/2023

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	88.69 ha	78.74 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 1981121 Te 2019-20 - 2221680 Te 2020-21 - 2397389 Te 2021-22 - 2232211 Te 2022-23 - 2258231 Te	2018-19 - 1332767 Te 2019-20 - 1496000 Te 2020-21 - 1211500 Te 2021-22 - 1499920 Te 2022-23 - 1809000 Te
3q	General remarks of inspecting officers on method of mining etc.		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.	
4b	Location of topsoil, OB and mineral reject dumps	Mineral reject dump proposed at E817306-N1685675 to E817232-N1685479	Mineral reject dump developed and maintained in the proposed area.	
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	

I/16782/2023

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 for the year 2022-23	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal during the year 2022-23	Nil
4j	Number of settling ponds	No proposal during the year 2022-23	Nil
4k	Specific comments of inspecting officer on waste dump management		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	
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	

I/16782/2023

5e General remarks of inspecting officers on backfilling and reclamation etc. 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 to submitted before 1 st July.	Submitted.	
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	0.35 Ha during the year 2022-23.	0.54 ha	
6d	No. of saplings planted during the year	700 nos	1400 nos	
6e	Cumulative no .of plants		67343 nos	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Not assessed.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	

I/16782/2023

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 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

I/16782/2023

6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.	parameters are within the limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out.	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.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone.	cement grade limestone.	
7d	Any beneficiation process at mines .	No proposal.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		entire ROM (limestone) of cement grade is used at captive plant.	

I/16782/2023

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out.	
8b	Concurrent use or storage of topsoil	proposed.	carried out.	
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	
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)	700 nos	1400 nos	
8g	Survival rate		80%	
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust supsession is proposed.	carried out.	

I/16782/2023

8i General remarks of inspecting officer on aesthetic beauty in and around mines area

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.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	(i) Graduate Mining Engineer 2, (ii) Diploma Mining Engineer 3, (iii) Geologist 1	found to be in order.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O-C) Workings 55.680 ha, (iv) Used for waste disposal 14.720 ha, (iii) Occupied by plant, buildings, residential, welfare buildings and roads 8.340 ha etc.,	found to be in order.	
9d	Scrutiny of Annual return on afforestation	1400 nos	found to be in order.	

I/16782/2023

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	120577 t	found to be in order.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	found to be in order.	advised the lessee to include the quantity of Mineral rejects generated during the mining operations in ROM production quantity.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price Rs.171.32/t	Ex-mine price Rs.171.32/t	
9h	Scrutiny of Annual return on fixed assets	Rs.193429036	Rs.193429036	
9k	Scrutiny of Annual return on mining machineries	TIPPER 23.000 CUM 6, BACK HOE 2.500 CUM 2, DOZER 324.000 HP 1 etc.,	found to be in order.	

I/16782/2023

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 :**(RAMKISHAN R)**

Indian Bureau of Mines