

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/NLG/LST-4/HYD

Mine code : 38APR14014

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri J Srinivas Raju, Rep. of Lessee
Official with
Designation
- (iv) Date of Inspection : 23/08/2019
- (v) Prev.inspection date : 10/01/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : RAMAPURAM
- (b) **Registration NO.** : IBM/522/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : RAMAPURAM
- Taluka : KODAD
- Post office : RAMAPURAM
- Pin Code : 508246
- FAX No. : 08683-234608
- E-mail : srinivasareddy@priyacement
- Phone : 08683-234607,234608
- (f) **Police Station** : MELLACHERVU
- (g) **First opening date** : 11/01/1986
- (h) **Weekly day of rest** : SUN
2. **Address for** : PRIYA NAGAR, RAMAPURAM
correspondance MELLACHERVU MANDAL
NALGONDA DISTRICT
3. (a) **Lease Number** : APR1318
- (b) **Lease area** : 51.5
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 11/02/2019
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : RAIN INDUSTRIES LTD
 34, GREEN TOWERS SRINAGAR
 COLONY HYDERABAD HYDERABAD
 TELANGANA
 Phone: 04023747775
 FAX : 040237477758

Owner : N. SUJITH KUMAR REDDY
 RAIN INDUSTRIES LTD, PLOT
 34 SRINAGAR COLONY HYDERABAD
 HYDERABAD TELANGANA
 Phone: 3740737, 3740747
 FAX : 3740770

Agent : C. BALANAGAI AH
 RAIN IND LTD, RAMAPURAM
 NALGONDA DIST. NALGONDA
 TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : V. PARAMESWARA RAO, Full Time
 Qualification : B. TECH MINING
 Appointment/ : 13/11/2008
 Termination date

Geologist

Name : A. JAGANNADHA REDDY, Full Time
 Qualification : M. SC (GEOLOGY)
 Appointment/ : 05/09/2008
 Termination date

Manager

Name : M. SRINIVASA REDDY
 Qualification : AMIE (MINING)
 Appointment/ : 21/12/2009
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	28/02/2002
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	23/04/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	-
1b	Exploration over lease area for geological axis 1 or 2	It was proposed to carry out 43 boreholes during 2018-19	During the year 2018-19 only 21 boreholes have been drilled against the proposed 43 boreholes.	Under G1 scale of exploration about 169.50 ha was covered and under G2 74.07 ha was covered.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	JK Drilling services	Rs.7 Lakhs	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	Another 174.38 ha	Only 21 boreholes carried out	--
1e	Balance reserve as on 01/04/20	168.85 million tonnes	167.84 million tonnes	--
1f	General remarks of inspecting officers on geology, exploration etc	-	A violation letter has been issued for not carrying out exploration as proposed during the year 2018-19. The ore body in the mining lease is having gentle dip of 3 to 5 degrees and it is tabular and uniform in nature.	--

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit NO.1 N-256,E-529 S-270, E-1450 S-770, E-1140 S-105,E-244 Pit no.2 S-150,E--139 S-565,W-185 S-433,W-369 S-528,W-450 S-415, W-613 S-117,W-226	Pit NO.1 N-256,E-529 S-270, E-1450 S-770, E-1140 S-105,E-244 Pit no.2 S-150,E--139 S-565,W-185 S-433,W-369 S-528,W-450 S-415, W-613 S-117,W-226	None

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No benches are there in Top soil and four benches were proposed in ore	Four benches were observed during the inspectilon	None
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Nil
2d	Quantity of topsoil generation in m3	5984 Cu.M	5000 Cu.M	None
2e	Quantity of overburden generation in m3	Nil	Nil	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	The mining operations are being carried out as per the proposal made in the approved document.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to work in two pits	During the inspection it was observed that excavation is being carried out in two pits	The dimensins of the pits are as follows: Pit No.1 - 1521 m x 590m x 32m Pit No.2 - 1005 m x 641m x 15m
3b	Quantity of ROM mineral production proposed	During the year it was proposed to produce 1.53 Million tonnes	Entire ROM generated is being consumed in the captive plant of the lessee.	nONE
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to use entire ROM generated in the captive cement plant of the lesse	Entire ROM generated is being consumed in the captive cement plant of the lesse	None
3d	Quantity of mineral reject generation	There was no proposal for generation of mineral reject	Mineral rejects has not been generated duirng the year 2018-19	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None

3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	No seggregation of ore is required hence not proposed	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	It was proposed to use wagon drills,excavators & tippers for drilling,loading & transporting of ore to crushing plant	During the inspection it was observed that wagon drills,dumpers,excavators are being used for drilling,loading & transportation of ore to crushing plant	None
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills,excavators & tippers for drilling,loading & transporting of ore to crushing plant	During the inspection it was observed that wagon drills,dumpers & excavators are being used for drilling,loading and transportation of ore to crushing plant	None
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 7-8 meters.	duirng inspection it was noticed that the height bening maintained between 7-8 meters and digging height of the excavator is compatible with bench height as per MMR 1961.	None
3m	Total area covered under excavation/pits	84.58 ha	84.54 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	None

3o	Total area put in use under different heads at the end of year	118.39 ha	116 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2014-15-1.5 million tonnes 2015-16-1.49 2016-17-1.49 2017-18-1.53 2018-19-1.53 Million tonnes	2014-15-0.710 Million tonnes 2015-16-0.920 2016-17-0.959 2017-18-0.782 2018-19-1.01 Million tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	---	---	There is no deviation in the production of mineral during the year 2018-19. Mechanised opencast mining method has been adopted with deep hole drilling and blasting techniques for the ore fragmentation. For loading, haulage, front end shovels 7 dumpers are being used.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate top soil dump is proposed.	Separate top soil dump is observed.	None
4b	Location of topsoil, OB and mineral reject dumps	Seperate Topsoil dump is proposed	Seperate Topsoil dump is observed.	None
4c	Number of dumps within lease area and outside of lease area	No OB waste is in the lease. Therefore no proposal	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	None
4e	Number of active and alive dumps.	Not Applicable	Not applicable	None

4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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.	There was no proposal for reclamation	No reclamation was carried out during 2018-19	None
5b	Area under backfilling of mined out area	Mined out area is not proposed to reach its ultimate pit limit. Therefore backfilling is not proposed.	No area has become matured for reclamation. Therefore, no back filling was carried out.	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	The top soil generated is being concurrently being used for plantation.	The same was observed during the inspection	None
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	-

5e General remarks - No location/block of the mine has reached its ultimate pit limit. Therefore, no backfilling and reclamation was carried out during 2018-19.

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).	It was proposed to submit all the statutory returns on time.	The yearly report was submitted for 2018-19	None
6b	Area available for rehabilitation (ha) .	NA	NA	None
6c	afforestation done (ha).	1.64 ha (2018-19)	1.23 ha (2018-19)	None
6d	No. of saplings planted during the year	2000 Nos (2017-19)	2000 Nos (2018-19)	None
6e	Cumulative no .of plants	Nil	43960 Nos (Cumulaltive)	None
6f	Any other method of rehabilitation	Nil	Nil	None
6g	Cost incurred on watch and care during the year	-	Rs.1,60,000/-	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not applicable	Not applicable	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-	-	-

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not applicable	Not applicable	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out environmental monitoring in core & buffer zone every quarter.	Quarterly monitoring of the environmental parameters such as Air/Noise/Water etc are being carried out regularly and all the parameters are within the permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	The proposal made in the PMCP for plantation and environmental monitoring are being carried out regularly.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There was no proposal for gradewise sortig within lease area	Total ROM being consumed int he captive cement plant of lessee company	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable	None
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	None
7d	Any beneficiation process at mines	Nil	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	The entire ROM being produced is being consumed in the captive cement plant of the lessee.	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilisation of topsoil is proposed. It was proposed to generate 5984 Cu.M of topsoil during 2018-19.	During the inspection, it was observed that the top soil generated being used concurrently for plantaiton purpose.	None
8b	Concurrent use or storage of topsoil	It was proposed to use concurrently the top soil generated for plantation purpose.	During the inspection it was observed that the top soil generated isbeing used concurrently for plantation purpose. Further, it was reported that about 5000 Cu.m of top soil was generated during 2018-19.	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not applicable	Not applicable	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not applicable	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable	Not applicable	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	It was proposed to plant about 2000 saplings during the year 2018-19	Besides, plantation done by lessee, few shrubs are observed in the mining lease area. During the year, about 3476 saplings were planted by the lessee.	None
8g	Survival rate	70%	70%	None

8h	Water sprinkling on roads to control airborne dust	It was proposed to carry out control of dust generation by using water sprinklers	Water sprinkling was done with 12 KL Water Tanker	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	Topsoil generated is being used for plantation. Dust suppression methods such as water sprinkling being used.	-

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 regularly	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	As per the Annual return of 2018-19, It was reported that Sri M.Srinivasa Reddy is the Mining Engineer and Sri A.Jaganadha Reddy is the Geologist	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	As per the annual return 2018-19 the total area put to use under various heads is follow: Working pit - 84.540 ha Area covered by road/plant etc. - 9.60 ha Area under greenbelt - 26.26 ha	None
9d	Scrutiny of Annual return on afforestation	3476 nos. in 2.8 ha	Saplings 43960 nos. Area covered 26 ha	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not applicable	Not applicable	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	As per the Annual Return 2018-19, the total ROM was reported as 1.01 million tonnes	None

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	Th ex-mine price reported as per Annual return 2018-19 is Rs.177.38	None
9h	Scrutiny of Annual return on fixed assets	-	As per annual return the value of fixed assets reported was Rs.119.01 lakhs.	None
9k	Scrutiny of Annual return on mining machineries	-	<ol style="list-style-type: none"> 1. Shovel(Hydraulic) - 2.8 cu.m. - 1 No 2. Excavator - 2.6 cu.m. - 1 No. 3. Dumper - 35 tonne - 4 units 4. Dozer - 320 HP - 1 No. 5. Air compressor - 15.290 cu.m. - 1 No 6. Water Tanker - 17000 litre capacity -1 No 7. Generator - 1 no. 	None

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)	22/08/2019			

Date :

(SHAILENDRA KUMAR)

Indian Bureau of Mines