

**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 : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 10/01/2019
- (v) Prev.inspection date : 21/10/2017

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 Plan/Scheme of Mining : Renewal under rule 22 MCR1960 28/02/2002
 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	20 core bore holes were proposed during 2012-13 to 2016-17.	12 core boe holes are completed as on 08.03.2017. 21 core bore holes are completed as on date of inspection ie on 10.01.2019.Lessee has submitted Form- I to I.B.M. 43 Bore holes intended to sunk.	
1b	Exploration over lease area for geological axis 1 or 2	G 1	G1 scale of exploration is carriede out.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	JP core drilling,Hyde rabad. Rs.11,25,000/-	The expenditure incurred for 15 Core bore holes is about Rs.11,25,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	197.13 ha.	197.13 ha	
1e	Balance reserve as on 01/04/20	92.86 Million Tonnes.	91.32 Million Tonnes.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No.1: N-256, E-529 S-256, E-1403	Pit No.1: N-256, E-529 S-256, E-1403	
		S-736, E-1076 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-74	S-736, E-1076 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-74	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals	N I L	

2c	Stripping ratio or ore to OB ratio	1:00	1:00
2d	Quantity of topsoil generation in m3	5548 cu.m.	5500 cum.
2e	Quantity of overburden generation in m3	No proposal	N I L
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Four benches of development cum production has been proposed.	Four benches of development cum production has been proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits.	Two pits.	
3b	Quantity of ROM mineral production proposed	15,34,015 tonnes	7,82,000 tonnes. From April 2018 to Jan 2019=7,40,150 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposals.	N I L	
3e	Grade of mineral rejects generation and threshold value declared.	No proposals.	N I L	
3f	Quantity of sub grade mineral generation.	There is no proposal of sub grade mineral.	Not Applicable	
3g	Grade of sub grade mineral generation	Does not arise.	-----	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method.	Mechanised method.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	N I L
3j	Provision of drilling and blasting in mineral benches	Provision of deep hole drilling and blasting in mineral bench is made.	As proposed drilling and blasting is carried out.
3k	Provision of mining machineries in mineral benches	Provision of machinery has been made.	Hydraulic excavators are deployed in mineral benches, and other machineries Dumpers, Buldozer and Air compressors etc.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5 m to 9 m.	Bench height maintained from 5 m to 9 m. Yes it is suitable for mining as proposed.
3m	Total area covered under excavation/pits	83.94 ha	82.53 ha.
3n	Ore to OB ratio for the pit/mine during the year.	No ore to OB ratio proposals.	Not Applicable.
3o	Total area put in use under different heads at the end of year	Under excavation =83.94 ha. Infrastructure =2.02 ha. Green Belt =26.26 ha. Roads =7.58 ha.	Under excavation =83.94 ha. Infrastructure =2.02 ha. Green Belt =26.26 ha. Roads =7.58 ha.

3p	Production of ROM mineral during the last five year period as applicable	2013-14=1500069 tonnes 2014-15=1500721 tonnes 2015-16=1499390 tonnes 2016-17=1115455 tonnes 2017-18=1534015 tonnes	2013-14=481000 tonnes 2014-15=710000 tonnes. 2015-16=920000 tonnes. 2016-17=959100 tonnes. 2017-18=782000 tonnes
3q	General remarks of inspecting officers on method of mining etc.	It is proposed to carried out opencast fully mechanised method of mining.	Mining is carried out as proposed in the approved document. There is no generation of mineral reject and subgrade mineral. The entire ROM is consumed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	5548 cum.	5500 cum.	
4b	Location of topsoil, OB and mineral reject dumps	The top soil is proposed to be concurrently used for laying bed for plantation simultaneously	As proposed the soil is used for plantation/afforestation purpose.	
4c	Number of dumps within lease area and outside of lease area	No dump proposals are there.	Not Applicable.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposals.	Not Applicable.	
4e	Number of active and alive dumps.	No such proposals	Not Applicable.	
4f	Number of dead dumps.	No proposals	No dead dumps exist.	
4g	Number of dumps established.	No proposals.	Not Applicable.	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals	Not Applicable.
4i	Length of Retaining wall or garland drain all along dumps	No proposals	Not Applicable.
4j	Number of settling ponds	No proposals	Not Applicable.
4k	Specific comments of inspecting officer on waste dump management	There is no proposal of waste dump management, since there is no generation of waste dump.	Not Applicable.

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 such proposals have been made, since lime stone is yet to exhaust.	N I L	
5b	Area under backfilling of mined out area	No proposals	Not Applicable.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil for afforestation is proposed.	As proposed , the top soil is used for afforestation purpose.	
5d	Total area fully reclaimed and rehabilitated	No proposals.	Not Applicable.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	----	The mining lease varea is yet to be matured for backfilling and reclamation.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report on PMCP is to be submitted to IBM as per statute.	Lessee has submitted yearly report for the year 2017-18 to this office.
6b	Area available for rehabilitation (ha) .	No proposals	-----
6c	afforestation done (ha).	1.56 ha.	1.21 ha
6d	No. of saplings planted during the year	Year wise proposals not mentioned. Total 8.00 ha area is propose to cover 05 years in the Review of Mining Plan.	92 saplings planted within ML area.. 3310 saplings were planted Outside ML area.
6e	Cumulative no .of plants	About 5310 saplings.	As proposed afforestation of 5402 saplings are planted.
6f	Any other method of rehabilitation	No proposals	N I L
6g	Cost incurred on watch and care during the year	No such proposals	N I L
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No proposals	N I L
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposals	N I L
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposals	N I L

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	N I L	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposals	N I L	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposals	N I L	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposals	N I L	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposals for monitoring of environmental parameters is furnished.	As proposed lessee is monitoring environmental parameters is being carried out and parameters are found to be within limites.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Except afforestation and monitoring of environmental parameters were proposed.	Afforestation and monitoring of environmental parameters are being done.	The mining lease area is not yet matured for backfilling/reclamation/rehabilitation as the mineral is yet to be exhaust.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1534015 tonnes	782000 tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposals	have been made.	

7c	Different grade of mineral sorted out at mines.	No proposals.	N I L	
7d	Any beneficiation process at mines	No proposals.	N I L	Except sizing no beneficiation is done.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The entire ROM is proposed for consumption to their Cement plant.	As proposed entire ROM is consumed..	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	5548 cum.	5500 cum.	
8b	Concurrent use or storage of topsoil	Proposed for concurrent use of top soil for lying bed for plantation.	It bis used for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals.	N I L	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	N I L	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	N I L	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposals	Plantation of 92 saplings done within ML area, and 3310 saplings were planted outside ML area.
8g	Survival rate	No proposals	92%.
8h	Water sprinkling on roads to control airborne dust	Proposed.	Water sprinkling is done on haul roads by water tanker to arrest airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and Annual return are to be submitted as per statute.	Lessee is submitting Monthly returns and Annual return for the year 2017-18 through online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer=Sri M.Srinivas Reddy. Geologist =Sri A.Jaganadha Reddy.	Mining Engineer=Sri M.Srinivas Reddy. Geologist =Sri A.Jaganadha Reddy.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under pits=83.94 ha. Infrastructure =2.02 ha Roads=7.58 ha Green Belt=26.26 ha.	Area covered under pits=83.94 ha. Infrastructure=2.02 ha Roads=7.58 ha Green Belt=26.26 ha.	
9d	Scrutiny of Annual return on afforestation	To be furnished.	Details have been furnished vide part no. v and item no.4.4(i) and (ii) of Annual return.	

- 9e Scrutiny of Annual return on mineral reject generation (Grade and quantity) No information N I L has been furnished, since there is generation of mineral reject.
- 9f Scrutiny of Annual return on ROM stock and/or graded ore Entire ROM is consumed. 782000 tonnes produced, entire ROM is despatched to cement plant.
- 9g Scrutiny of Annual return on sale value, Ex. Mine price and production cost Rs.192.14/- Rs.192.14/- is observed.
- 9h Scrutiny of Annual return on fixed assets Rs.11899014000 /- Rs.11899014000/-

9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) 2.800 CUM 1 Non Electrical Opencast BACK HOE 2.600 CUM 1 Non Electrical Opencast DUMPER 35.000 TONNE 4 Non Electrical Opencast DOZER 320.000 HP 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast AIR COMPRESSOR 15.290 CUM/MN 1 Non Electrical Opencast GENERATOR (DIESEL) 5.000 KWH 1 Non Electrical Opencast WATER TANKER 17000.000 LITRE 1 Non Electrical Opencast EXPLOSIVE VAN 5.000 TONNE 1 Non Electrical Opencast OTHERS (NON- ELEC.) 5.000 1 Non Ele	SHOVEL (HYDRAULIC) 2.800 CUM 1 Non Electrical Opencast BACK HOE 2.600 CUM 1 Non Electrical Opencast DUMPER 35.000 TONNE 4 Non Electrical Opencast DOZER 320.000 HP 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast AIR COMPRESSOR 15.290 CUM/MN 1 Non Electrical Opencast GENERATOR (DIESEL) 5.000 KWH 1 Non Electrical Opencast WATER TANKER 17000.000 LITRE 1 Non Electrical Opencast EXPLOSIVE VAN 5.000 TONNE 1 Non Electrical Opencast OTHERS (NON-ELEC.) 5.000 1 Non Ele
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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

Date :

(Y M SIVA PRASAD)

Indian Bureau of Mines