

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

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

Mine code : 38APR14014

- (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, Mine Manager & Sri.A. Jagannadha
Official with
Designation
- (iv) Date of Inspection : 16-NOV-21
- (v) Prev.inspection date :

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-JAN-86**
- (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-FEB-19**
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-NOV-08
 Termination date

Geologist

Name : A. JAGANNADHA REDDY, Full Time
 Qualification : M. SC (GEOLOGY)
 Appointment/ : 05-SEP-08
 Termination date

Manager

Name : M. SRINIVASA REDDY
 Qualification : AMIE (MINING)
 Appointment/ : 21-DEC-09
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	28-FEB-02
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	23-APR-18

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	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	During 2020-21 the Exploration agency is M/s Global Env. and Mining Service - Hospet. Exploration cost for drilling 22 CBH for total 939m is Rs. 16,39,750/-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves as on 01/04/2021 - 90.3 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Around 412.31 Ha aree covered under G1 level of exploration. The remaining area of 5.64 Ha (G2 level) is proposed to be converted to G1 elevel of exploration during the year 2021-22.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Pit No.1 & Pit Work done within the No.2 (Towards proposed co-ordinates. south and South east direction) Sections: ML20-ML20' ML18-ML18' ML16-ML16' ML-08-ML08' Pit1: N176,E362 N217,E396 E193,E559 N242,E576 S335,E1528 S828,E1204 S127,E234 Pit 2: S157,E111 S265,E47 S337,E157 S414,E111 S499,E251 S739,E106 S478,W374 S556,W453 S443,W619 S69,W374 S143,W238 S30,W86	There is no deviation in the development area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No benches proposed for topsoil and overburden. Only Mineral benches proposed	4 mineral benches in Pit 1 & 2 mineral benches in Pit 2 developed.	1. Since topsoil being found as a very thin layer. It is scrapped/dozed and utilised for plantation purpose. 2. This deposit doesn't contain overburden.
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	2020-21 - 12015 cu.m 2021-22 - 11792 cu.m	2020-21 - 500 cu.m 2021-22 - 500 cu.m (Till Oct'21)	

2e	Quantity of overburden generation in m3	No porposa	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No OB is generated in the proposed mining area and the limestone is found just below the top soil horizon of around 0.5m thickness.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	
3b	Quantity of mineral production proposed	2020-21 - 2308045 Te 2021-22 - 2308045 Te	2020-21 - 746000 Te 2021-22 - 580000 Te (Upto Sept'21)	Lessee has reported that less production due to less market demand.
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.	Complied with the approved proposals. Wagon drill being used for drilling with a blast hole dia of 115 mm & 150mm with depth of 9 m, spacing of 6 meters and burden of 4 meters. Blasting with ANFO & slurry explosives with NONELS as initiating system.
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills, exvators & dumpers for drilling, loading & transporting of ore to crushing plant.	During inspection, it was observed that wagon drills, dumpers & excavators are being used for drilling, loading & transportation of ore to crushing plant
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 8 meters	During inspection it was noticed that the bench height is being maintained not more than 8 m and digging height of the excavators are compatible with bench height.
3m	Total area covered under excavation/pits	98.81 ha	86.86 ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil

3o	Total area put in use under different heads at the end of year	141.24 Ha	126.51 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17-1.49 million tonnes	2016-17-0.959 million tonnes	Million tonnes
		2017-18-1.53 million tonnes	2017-18-0.782 million tonnes	Million tonnes
		2018-19-1.53 Million tonnes	2018-19-1.01 million tonnes	Million tonnes
		2019-20 - 1.53 million tonnes	2019-20- 0.803 million tonnes	Million tonnes
		2020-21 - 2.3 million tonnes	2020-21-0.746 million tonnes	million tonnes
		2021-21 - 2.3 million tonnes	2021-22-0.58 million tonnes	million tonnes (Upto Oct'21)
3q	General remarks of inspecting officers on method of mining etc.			Mechanised opencast mining method has been adopted by deploying HEMM with deep hole drilling and blasting techniques for rock fragmentation.

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	1. No OB and mineral rejects found in the lease area. 2. Topsoil found as a thin layer, which is scrapped/dozed and utilised for plantation purpose.
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)	Not Applicable	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 waste dump established in the lease area.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	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)	Top soil generated to be used for plantation	Topsoil generated is used to plantation purpose	
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 its 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).	To be submitted	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2020-21- 1.55 Ha	2020-21 - 1.55 Ha	
6d	No. of saplings planted during the year	2020-21 - 2000 Nos	2020-21 - 36767 Nos. (Within lease) & 7996 Nos. (Outside lease)	Miyawaki plantation carried out.
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 2020-21 and all the parameters are within the permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be utilized directly for captive purpose, hence no grade wise sorting is proposed within the ML.	Entire ROM utilized directly for captive purpose	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No sub grade has been generated. 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)	Topsoil generated is proposed to use for plantation	Topsoil generated are utilised for plantation..	
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)	It was proposed to plant about 2000 saplings during the year 2020-21.	Planted saplings of 36767 Nos. within the lease and 7996 Nos. outside the lease	
8g	Survival rate	70%	97%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water tanker & sprinklers provided for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Miyawaki plantation is being done in the lease area to create a dense afforestation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be Submitted.	Monthly and Annual Returns are being submitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return of 2020-21, It was reported that Sri M.Srinivasa Reddy - Manager & Mining Engineer and Sri A.Jaganadha Reddy - Geologist	Sri M.Srinivasa Reddy - Manager & Mining Engineer Sri A.Jaganadha Reddy - Geologist	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the annual return 2020-21 the total area put to use under various heads is follow: Working pit - 86.86 ha Area covered by building, road/plant etc. - 9.60 ha Area under greenbelt - 27.91 ha Reclamation - 2.41 Ha	Working pit - 86.86 ha Area covered by building, road/plant etc. - 9.60 ha Area under greenbelt - 27.91 ha
9d	Scrutiny of Annual return on afforestation	36767 Nos. (Within lease) and 930 Nos. (outside lease)	Broadly as submission and same quantity is verified in afforestation register maintained.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production is reported as Rs.195.72/-	Ex-Mine price is Rs.195.72/-
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns is Rs.67708796/-	Fixed assest couldn't be verified.

9k Scrutiny of Annual return on mining machineries

1. Shovel(Hydraulic) - 2.8 cu.m. - 1 No

2. Excavator - 2.5 cu.m. - 1 No.

3. Tipper - 23 cu.m - 5 Nos.

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.

8. Rock drill - 1 No.

10. Explosive van - 1 No.

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