

**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. M. Srinivas Reddy, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 28/07/2022
- (v) Prev.inspection date : 04/02/2021

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** : **417.95 ha**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **28/09/2031**
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
		MP review under 17(1) MCR 2016	10/12/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	One DTH proposed during the year 2021-22	One DTH drilled during the year 2021-22	There is no deviation.
1b	Exploration over lease area for geological axis 1 or 2	It was proposed to drill one DTH during the year 2021-22 to upgrade the potentially mineralised zone to G1 scale.	One DTH drilled during the year 2021-22.	The entire potentially mineralised zone upgraded to G1 scale.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	It was proposed to drill One DTH during 2021-22.	The exploration was carried out by M/s Sri krishnajala borewells incurring an expenditure of Rs.19,200/-	No comments to offer.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	The entire potentially mineralised zone upgraded to G1 scale.	No comments to offer.
1e	Balance reserve as on 01/04/20	---	The reserves as on 1.4.2022 are 208376 Million tonnes	No comments to offer.
1f	General remarks of inspecting officers on geology, exploration etc	One DTH was proposed during the year 2021-22	One DTH was drilled during the year 2021-22	The entire potentially mineralised area covered under G1 scale. The Limestone occurring is grey in color, Massive, Bedded, falling under Narji formation.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It was proposed to develop the two pits already existing falling between gridlines E 186110 to 1862180 and N 390377 to 392521.	The mine being developed as proposed.	There is no deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to develop 4th bench during the year 2021-22	Same was noticed duiirng the inspection.	No deviation noticed.
2c	Stripping ratio or ore to OB ratio	Nil	None	None
2d	Quantity of topsoil generation in m3	11792 Cubic meters was proposed to be generated duiirng the year 2021-22.	The actual generation of topsoil reported during the year 2021-22 was 5000 cubic meters.	No deviation noticed.
2e	Quantity of overburden generation in m3	Nil	None	As there is no overburden in the lease, no proposal was made.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	It was proposed to develop the mine by developing the existing two pits.	The development being carried as proposed.	No deviation noticed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits were proposed to be developed.	Same was noticed duiirng the inspection.	No deviation noticed.
3b	Quantity of ROM mineral production proposed	3.9 Million tonnes was proposed to be produced duiirng the year 2021-22.	The actual production proposed duiirng the year 2021-22 was 1.07 Million tonnes.	No deviation noticed.

3c	Recovery of sailable/usable mineral from ROM production	It was proposed to utilise the ROM in the cement plant of the lessee.	Same was noticed during the inspection.	No deviation noticed.
3d	Quantity of mineral reject generation	Nil	None	None
3e	Grade of mineral rejects generation and threshold value declared.	Nil	None	None
3f	Quantity of sub grade mineral generation.	Nil	None	None
3g	Grade of sub grade mineral generation	Nil	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	No such proposal of segregating from ROM was proposed.
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 utilise drilling by 115 mm dia drill machines and blasting.	Same was noticed during the inspection.	No deviation noticed.
3k	Provision of mining machineries in mineral benches	It was proposed to excavate the mineral and transport by using HEMM.	Same was noticed during the inspection.	No deviation noticed.
3m	Total area covered under excavation/pits	101.22 ha	The area under pits/excavation was 87.90 ha	No comments to offer.
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	---	The total area put to use is as follows Pits - 87.90 ha Infrastructure - 1.820 ha	No comments to make.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 1.5 Million tonnes 2018-19 - 1.5 Million tonnes 2019-20 - 1.5 Million tonnes 2020-21 - 3.9 Million tonnes 2021-22 - 3.9 Million tonnes	2017-18 - 0.78 Million tonnes 2018-19 - 1.01 Million tonnes 2019-20 - 0.80 Million tonnes 2020-21 - 0.74 Million tonnes 2021-22 - 1.07 Million tonnes	No deviation noticed.
3q	General remarks of inspecting officers on method of mining etc.	None	None	The being developed systematically and scientifically as per the proposals made in the approved document.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No seperate dumping of topsoil was proposed.	The topsoil generated being used for plantation purposes.	There is no overburden and as such no proposals were made for handling the same.
4b	Location of topsoil, OB and mineral reject dumps	Nil	None	None
4c	Number of dumps within lease area and outside of lease area	Nil	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	None	None
4e	Number of active and alive dumps.	Nil	None	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.	Nil	None	None
4i	Length of Retaining wall or garland drain all along dumps	Nil	None	None
4j	Number of settling ponds	Nil	None	None
4k	Specific comments of inspecting officer on waste dump management	Nil	None	As there is no waste occurring the in the lease, no proposal was made.

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 was made for reclamation during the year 2021-22	No reclamation was done during the year 2021-22.	No deviation noticed.
5b	Area under backfilling of mined out area	No proposal for backfilling during the year 2021-22.	No backfilling was done during the year 2021-22.	The total area backfilled since beginning of the mining operations was 1.7 ha
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	It was proposed to utilise the topsoil generated for plantation purpose.	Same was noticed during the inspection.	No deviation noticed.
5d	Total area fully reclaimed and rehabilitated	Nil during the year 2021-22	None	About an extent of 1.7 ha was reclaimed during the year 2007.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal for backfilling or reclamation during the year 2021-22.	No backfilling or reclamation done during the year 2021-22.	No deviation noticed.

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).	----	The Annual report on PMCP submitted by the lessee in time.	No deviation noticed.
6b	Area available for rehabilitation (ha) .	It was proposed to afforest 1.65 ha during the year 2021-22.	about 1.65 ha was afforested during the year 2021-22.	No deviation noticed.
6c	afforestation done (ha).	1.65 ha	1.65 ha	No deviation noticed.
6d	No. of saplings planted during the year	2000 no.s	2860 no.s	No deviation noticed.
6e	Cumulative no .of plants	---	157022 no.s over an extent of 29.56 ha	No deviation noticed.
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	It was reported by the lessee that about R.4,35,000/- was incurred towards watch and care duiring the year 2021-22.	No comments to offer.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	None	None	None

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out monitoring of the environment in both core and buffer zone.	Environmental monitoring being carried out regularly by the lessee in both core and buffer zone.The environmental parameters are within permissible limits.	No deviation noticed.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	It was proposed to afforest 1.65 ha duirng the year 2021-22.	the proposed afforestation carried out and all other measures as envisaged in the PMCP are being implemented by the lessee.	No deviation noticed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for grade wise sorting within the lease area.	No such grade wise sorting noticed within the lease area.	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal for grade wise sorting or beneficiation was proposed in the lease area by the lessee.	No such activity was noticed during the inspection.	No deviation noticed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was prroposed to generate topsoil and utilise for plantation purposes.	Same was noticed duirng the inspection.	No deviation noticed.
8b	Concurrent use or storage of topsoil	It was proposed to utilise the generated topsoil for plantation purposes.	Same was noticed during the inspection.	No deviation noticed.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	None	No comments to offer.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	The entire area is plain with lot of thick vegetation made by lessee.	No comments to offer.
8g	Survival rate	90%`	91%	No comments to offer.
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by water sprinkling.	Same was noticed during the inspection.	No deviation noticed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	The general aesthetic beauty of in the mining lease is good.	No comments to offer.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The Monthly and Annual return are being submitted by the lessee in time.	No deviation noticed.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the annual return 2021-22, Sri M.Sreenivas Reddy and Sri A.Jaganaddha reddy were appointed as as Mining Engineer and Geologist.	Same was confirmed duirng the inspection.	No deviation noticed.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the annual return the land use pattern reported was as follows: Pits - 87.90 ha Infrastructure - 1.820 ha	Same was noticed duirng the inspection.	No deviation noticed.
9d	Scrutiny of Annual return on afforestation	A total of 2860 no.s were planted duirng the year 2021-22 with a survival rate of 90%.	Same was noticed duirng the inspection.	No deviation noticed.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1.07 Million tonnes	Same was cofirmed duirng the inspection.	No comments to offer.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported in the annual return 2021-22 was Rs.200.95 per tonne.	Same was confirmed duirng the inspection.	No comments to offer.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported in the annual return 2021-22 was 5,98,74,457/-	The same was not verified duirng the inspection.	No comments to offer.

9k	Scrutiny of Annual return on mining machineries	As per the annual return 2021-22, following mining machinery was reported 1. Back Hoe - 2 no.s 2. tipper - 5 No.s 3. Dozer - 1 no. 4. Rock drill - 1 no. 5. Generator - 1 no. 6. Water Tanker - 1 no. 7. explosive van - 1 no.	Same was noticed during the inspection.	No comments to make.
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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 :

(**SHAIENDRA KUMAR**)

Indian Bureau of Mines