

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **RK13**) A.V.Ramesh Kumar
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 21/10/2017
- (v) Prev.inspection date : 08/03/2017

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 : Renewal under rule 22 MCR1960 28/02/2002
 Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	It was proposed to carry out 08 CBH during the year 2016-17.	The proposed core boreholes are being taken up and the work is under process.	None
1b	Exploration over lease area for geological axis 1 or 2	--	The area under G1 scale was 152.09 ha, G2 scale 68.47 ha, G3 197.39 ha.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	The balance area under G3 is 197.39 ha	None
1e	Balance reserve as on 01/04/20	--	The reserves as on 1.4.2017 are 159.19 million tonnes(111 and 122)	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to work the mining operations in two pits. Pit No.1=N-256,E-529 S-246,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-226	The workings as proposed in the approved document are noticed during the inspection.	None

2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	330 cu.m	5000 cu.m	None
2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to mine from two pits duiing the year 2016-17.	The same was noticed duiing the inspection	None
3b	Quantity of ROM mineral production proposed	It was proposed to produce 1.49 million tonnes	The actual production was 0.95 million tonnes duiing 2016-17	None
3c	Recovery of sailable/usable mineral from ROM production	None	The entire ROM generated is consumed in the captive cement plant of the lessee.	None
3d	Quantity of mineral reject generation	None	None	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	It was proposed to use dumpers from mine pit to crusher.	The same was observed during the inspction.	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 provide provision for drilling and blasting in the benches.	The same was noticed that enough provision like width etc was provided during the inspection.	None
3k	Provision of mining machineries in mineral benches	It is proposed to make provision for maintaining the mining machineries in mineral benches.	It was observed that enough width was provided for maintaining the mining machinery in the mineral benches.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 7-8 meters in the mineral. No benches in OB are proposed.	It was noticed that a height of 7-8 meters is being maintained in the mineral benches.	None
3m	Total area covered under excavation/pits	It was proposed to cover 82 ha under pits	It was noticed that an extent of 80 ha is under pits.	None
3n	Ore to OB ratio for the pit/mine during the year.	None	None	None
3o	Total area put in use under different heads at the end of year	125 ha	121 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2012-13-1.5 million tonnes 2013-14-1.5 million tonnes 2014-15-1.5 million tonnes 2015-16-1.49 million tonnes 2016-17-1.49 million tonnes	2012-13-0.66 million tonnes 2013-14-0.48 million tonnes 2014-15-0.71 million tonnes 2015-16-0.92 million tonnes 2016-17-0.95 million tonnes	None

3q	General remarks of inspecting officers on method of mining etc.	None	None	None
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It was proposed to use the topsoil generated for plantation purpose.	The same was observed duirng the inspection.	None
4b	Location of topsoil, OB and mineral reject dumps	The topsoil generated is being simultaneously used for plantation.	Yes.	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	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.	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 during the year 2016-17.	No reclamation was carried out during the year 2016-17.	None
5b	Area under backfilling of mined out area	None	None	Earlier
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	The topsoil generated is being utilised for plantation.	The same was observed during the inspection.	None
5d	Total area fully reclaimed and rehabilitated	No area was reclaimed during the year 2016-17.	During the inspection it was noticed that no area was reclaimed during the year 2016-17, But the total area reclaimed since beginning of the mine was 2.41 ha	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

Progressive Mine Closure 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 statutory returns	The annual report under rule 26(2) of MCDR, 2017 was submitted by the lessee.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	The afforestation done during the year 2016-17 was 0.57 ha and 2000 no.s were planted	The same was observed during the inspection.	None
6d	No. of saplings planted during the year	2000	2000	None

6e	Cumulative no .of plants	--	138900	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	--	It was reported that an amount of Rs.300000/-	None
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)Afforestation 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 monitor the environmental monitoring of all parameters within the core and Buffer zone every quarter.	It was observed during the inspection that quarterly monitoring of all environmental parameters are under permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The ROM generated is being consumed for the captive cement plant of the lessee	The entire ROM generated is consumed in the captive cement plant of the lessee.	None
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	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to generate about 3300 cu.m of topsoil during 2016-17.	The actual generation of topsoil duirng 2016-17 was 5000 Cu.m.	None
8b	Concurrent use or storage of topsoil	It was proposed to use the topsoil generated for afforestation.	It was observed duirng the inspection that the topsoil generated is being used for plantation.	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No waste dumps were proposed.	No waste dumps were noticed duirng the inspection.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Other than the plantation done by lessee and degraded area, the entire area is covered by shrubs.	The same was observed duirng the inspection.	None
8g	Survival rate	85%	85%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust pollution by way of water sprinkling.	The same was observed during the inspection.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The Monthly and Annual returns are submitted regularly.	It was seen from the records that the annual and monthly returns are being submitted regularly.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	In the Annual return 2016-17 it was mentioned that Sri M Srinivasa Reddy is the Mines Manager and Mining Engineer. Sri Jagannath Reddy as Geologist appointed on 05.09.2008.	It was seen from the records that the above mentioned are working in the mine.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	In the Annual return 2016-17 it was mentioned that 80.55 ha is under current workings, reclaimed area as 2.41 ha and 9.6 ha under roads and buildings. Further 26.20 ha is under afforestation.	It was observed during inspection that the said extents under various heads put to use.	None
9d	Scrutiny of Annual return on afforestation	It was reported in the Annual return 2016-17 that about 2016 saplings were planted with a survival rate of 97%.	The same was observed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was reported in the Annual return 2016-17 that about 959100 tonnes was produced.	The same was verified as per the records.	None

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	It was reported in the annual return 2016-17 that the PMV as Rs.179/-	The same seen as per the records.	None
9h	Scrutiny of Annual return on fixed assets	It was reported in the annual return 2016-17 that the value of fixed assets as Rs. 11457532000/-	The same could not be verified.	None
9k	Scrutiny of Annual return on mining machineries	It was reported in the annual return 2016-17 that One Hydraulic shovel, One back hoe of 2.6 cu.m, 04 dumpers of 35 tonnes, 01 320 HP dozer, 01 wagon drill of 115 mm, 01 air compressor, 01 generator, 01 water tanker, 01 explosive van.	The same were noticed during the inspection.	None

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 :
(A.V.Ramesh Kumar)

Indian Bureau of Mines