

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KSN/LST-15/HYD

**Mine code :** 38APR10015

- (i) Name of the Inspecting : PG01 ) P.GURUVAIAH  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : S.VENKATESWARA REDDY, MINES MANAGER & SRI P.S.N.MURTH  
Official with  
Designation
- (iv) Date of Inspection : 14/03/2018
- (v) Prev.inspection date : 16/03/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : JAYANTHIPURAM MS NO 71
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : KRISHNA
- Village : JAYANTHIPURAM
- Taluka : JAGGAYYAPET
- Post office : KUMARASWAMYRAJA NAGAR
- Pin Code : 521457
- FAX No. : 08654-222532
- E-mail : mcljpm@madrascements.co.in
- Phone : 08654-224400 to 09
- (f) **Police Station** : CHILLAKALLU
- (g) **First opening date** : 16/05/1986
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : JAYANTIPURAM LIMESTONE MINE  
JAYANTIPURAM, CHILLAKALLU (M)  
KRISHNA DIST.
3. (a) **Lease Number** : APR0125
- (b) **Lease area** : 18.64
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 19/08/2011
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : THE RAMCO CEMENTS LTD  
 KUMARASWAMY RAJANAGAR  
 JAGGAYAPET MANDAL KRISHNA  
 ANDHRA PRADESH  
 Phone:08654-224400  
 FAX :08654-222532

Owner : P.R.VENKATRAMA RAJA  
 AURAS CORPORATE CENTRE, Vth  
 FLOOR, Dr.RADHAKRISHNA  
 ROAD,MYLAPORE, CHENNAI  
 CHENNAI CITY TAMIL NADU  
 Phone: 044-28478666  
 FAX : 044-28478676

Agent : B.S.P.RAJU  
 KUMARASWAMY .RAJA.NAGAR,  
 JAYATNTHIPURAM KRISHNA  
 DISTRICT KRISHNA ANDHRA  
 PRADESH  
 Phone: 08654-224400  
 FAX : 08654-222532

## Mining Engineer

Name : P Jani Reddy, Full Time  
 Qualification : AMIE in Mining Engineering  
 Appointment/ : 28/06/2006  
 Termination date

## Geologist

Name : P.SURYANARAYANA MURTHY, Full Time  
 Qualification : M.Sc  
 Appointment/ : 11/06/1992  
 Termination date

## Manager

Name : P.JANI REDDY  
 Qualification : AMIE(MINING)  
 Appointment/ : 08/08/2005  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	13/05/2002
Plan/Scheme of Mining		Modif.of approved Mining Plan	18/06/2003
		Renewal under rule 24 MCR1960	07/04/2006
		Modif.approved Mining Scheme	17/10/2014
		MP modif under 17(3) MCR 2016	22/09/2016

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not Applicable.	Not Applicable.	-
1b	Exploration over lease area for geological axis 1 or 2	Not Applicable.	Not Applicable.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Applicable.	Not Applicable.	-
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	24.63 Million tonnes.	23.83 Million tonnes.	-
1f	General remarks of inspecting officers on geology, exploration etc	No exploration proposal.	Nil	-

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	ML 12.5-13.5 I st and 2nd Bench.	ML 12.5-13.5 I st and 2nd Bench.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate Bench for OB and mineral.	Maintained.	-
2c	Stripping ratio or ore to OB ratio	0. 48	0 . 26	-
2d	Quantity of topsoil generation in m3	No proposal.	Nil	-
2e	Quantity of overburden generation in m3	248186	123211	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Bedded deposit.	Bedded deposit.	-
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	-
3b	Quantity of ROM mineral production proposed	566360 Cu.m.	478275 Cu.m	-
3c	Recovery of sailable/usable mineral from ROM production	Not applicable.	Not applicable.	-
3d	Quantity of mineral reject generation	23030 cu.m	2285 cu.m	-
3e	Grade of mineral rejects generation and threshold value declared.	Above 18 % SIO2.	Above 18 % SIO2.	-
3f	Quantity of sub grade mineral generation.	No proposal.	104083 mt	Consumed by blending with High grade Limestone.
3g	Grade of sub grade mineral generation	Not Specified.	15 to 18 % SIO2.	-
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable.	Not applicable.	-
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	Conventional deep hole drilling and blasting.	Conventional deep hole drilling and blasting.	-

3k	Provision of mining machineries in mineral benches	Hydraulic excavators & tippers are to be deployed.	Hydraulic excavators & tippers are to be deployed.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Yes.	-
3m	Total area covered under excavation/pits	101.84 ha	101.61 ha.	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0. 48	1 : 0. 26	-
3o	Total area put in use under different heads at the end of year	Mining : 89.09 Ha Overburden Dump : 37.46 Ha	Mining : 89.09 Ha Overburden Dump : 37.46 Ha Infrastructure : 20.63	-
3p	Production of ROM mineral during the last five year period as applicable	2012-13 : 1300000 MT 2013-14 : 654343 MT 2014-15 : 854500 MT 2015-16 : 634000 MT 2016-17 : 631438 MT	2012-13 : 1300000 MT 2013-14 : 654343 MT 2014-15 : 854500 MT 2015-16 : 634000 MT 2016-17 : 631438 MT	-

## 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	-
4b	Location of topsoil, OB and mineral reject dumps	North west side of the mining lease.	North west side of the mining lease.	-
4c	Number of dumps within lease area and outside of lease area	4 no of dumps within the mining lease.	4 no of dumps within the mining lease.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	-

4e	Number of active and alive dumps.	2 dumps.	2 dumps.	-
4f	Number of dead dumps.	2 dumps.	2 dumps.	-
4g	Number of dumps established.	1 dump.	1 dump.	-
4h	Whether Retaining wall or garland drain all along dumps are there.	yes.	yes.	-
4i	Length of Retaining wall or garland drain all along dumps	Not Specified. 2657m x 2m x1.5m.		-
4j	Number of settling ponds	1	1	-
4k	Specific comments of inspecting officer on waste dump management	As per proposal dumps are maintained.	As per proposal dumps are maintained.	-

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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.	Full extraction is done.	Back filling is being done at mined out area.	-
5b	Area under backfilling of mined out area	0.28 ha	1 .08 ha	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	-
5d	Total area fully reclaimed and rehabilitated	C	13.08 ha.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	As per proposal dumps are maintained.	13.08 ha.	-

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## 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).	Submitted in time.	Submitted in time.	-
6b	Area available for rehabilitation (ha) .	Not applicable.	Not applicable.	-
6c	afforestation done (ha).	0.50 ha.	6.60ha	-
6d	No. of saplings planted during the year	1000 no of plants.	2800 no of plants.	-
6e	Cumulative no .of plants	Not specified.	135202 no of plants.	-
6f	Any other method of rehabilitation	No proposal.	Nil	-
6g	Cost incurred on watch and care during the year	Rs-562500/	Rs.663600/	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	160 x 40 x 14 120 x 80 x 17	135 x 40 x 14 95 x 85x 17.	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable.	Not applicable.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Not applicable.	Not applicable.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable.	Not applicable.	-

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable	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)	Season wise Monitoring is to be done.	Quarterly monitoring is being done &reports are being submitted.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Season wise Monitoring is to be done.	Quarterly monitoring is being done &reports are being submitted.	-

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	539791 cu.m	287600 cu.m.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable.	Not applicable.	-
7c	Different grade of mineral sorted out at mines.	Not applicable.	Not applicable.	-



7d	Any beneficiation process at mines	Not applicable.	Not applicable.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable.	Not applicable.	-

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	-
8b	Concurrent use or storage of topsoil	No proposal.	Nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB dumps	OB dumps.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes.	-
8g	Survival rate	-	90%	-

8h	Water sprinkling on roads to control airborne dust	One mobile water sprinkler with spraying arrangements will be used for dust suppression on haul roads.	One mobile water sprinkler with spraying arrangements will be used for dust suppression on haul roads.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Except degraded area rest of the area not disturbed.	Except degraded area rest of the area not disturbed.	-

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes.	Yes Submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer; K.Ashraf Ali, Geologist P. Surya Narayana Murthy, Mines Manager, S. venkateswara Reddy.	Mining Engineer; K.Ashraf Ali, Geologist P. Surya Narayana Murthy, Mines Manager, S. venkateswara Reddy.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	covered under current workings; 90.91 ha. reclamation ; 13.08 ha. Used waste disposal; 36.61 ha. Occupied by plants and buildings &roads ; 20.63 ha. Others ; 50.69 ha.	Used waste disposal; 36.61 ha. Occupied by plants and buildings &roads ; 20.63 ha. Others ; 50.69 ha.	-
9d	Scrutiny of Annual return on afforestation	3085 no of plants.	3085 no of plants.	-

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	5713 MT.	5713 MT.	-
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	Sale vaue is 0; Ex mine price ;Rs. 210/	Sale vaue is 0; Ex mine price ;Rs. 210/	-
9h	Scrutiny of Annual return on fixed assets	Rs- 107658353.	Rs- 107658353.	-
9k	Scrutiny of Annual return on mining machineries	Excavator-2, Dozer -1, Tippers 10, water tanker-1, Drill &compressor 1.	Excavator-2, Dozer -1, Tippers 10, water tanker-1, Drill &compressor 1.	-

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**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 :**

(P.GURUVAIAH)

Indian Bureau of Mines