

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KSN/LST-20/HYD

**Mine code :** 38APR10014

- (i) Name of the Inspecting : S11 ) SHAILENDRA KUMAR  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri Jani Reddy Agent(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 03/12/2021
- (v) Prev.inspection date : 20/10/2020

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : JAYANTHIPURAM (ML NO.317)
- (b) **Registration NO.** : IBM/638/2011
- (c) **Category** : A Fully 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 : minesjpm@ramcocements.co.in
- Phone : 08654-224400
- (f) **Police Station** : Chilakallu
- (g) **First opening date** : 19/08/1991
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : JAYANTIPURAM-V(SOUTH BLOCK)  
JAYANTIP[URAM, CHILLAKALLU (MO  
KRISHNA DIST.
3. (a) **Lease Number** : APR0330
- (b) **Lease area** : 7.28
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 27/11/2014
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 : P JANI REDDY  
 KUMARASWAMY .RAJA.NAGAR,  
 JAYATNTHIPURAM KRISHNA  
 DISTRICT KRISHNA ANDHRA  
 PRADESH  
 Phone: 08654-224400  
 FAX : 08654-222532

## Mining Engineer

Name : T.Manikanta,Full Time  
 Qualification : B.Tech(Mining)  
 Appointment/ : 01/08/2017  
 Termination date

## Geologist

Name : K.Anjaneyulu,Full Time  
 Qualification : MSc (Gology)  
 Appointment/ : 01/08/2017  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/09/1999
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	06/03/2004
		Mining Scheme rule 12 MCDR1988	09/08/2010
		MP modif under MCR 1960	01/10/2015
		MP modif under 17(3) MCR 2016	03/12/2018
		MP review under 17(1) MCR 2016	12/12/2019

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There was no proposal to carry out exploration during the year 2020-21.	No exploration was carried out during the year 2020-21	None
1b	Exploration over lease area for geological axis 1 or 2	There was no proposal for exploration over lease area for Geological axis 1 or 2	No exploration was carried out during the year 2020-21.	The total potentially mineralised area explored under G1 level.
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	None	None	The entire potentially mineralised area explored under G1 level.
1e	Balance reserve as on 01/04/20	----	The reserves as on 1.4.2021 are 41 Million tonnes.	None
1f	General remarks of inspecting officers on geology, exploration etc	There was no proposal to explore the lease during the year 2020-21	No exploration was carried out during the year 2020-21.	The entire potentially mineralised area explored under G1 level.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to develop the present pit by extending it on North and western side.	The same was noticed during the inspection.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	it was proposed to develop separate benches in overburden and ore.	During the inspection it was noticed that one bench in overburden and four benches in ore were developed	The development is being done as proposed.

2c	Stripping ratio or ore to OB ratio	1:0.06	1:0.07	None
2d	Quantity of topsoil generation in m3	None	None	None
2e	Quantity of overburden generation in m3	It was proposed to handle about 45013 Cu.meters of overburden during the year 2020-21	The actual overburden reported was 34555 Cu.meters during the year 2020-21.	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	It was proposed to develop the mine with four benches in ore and one bench in overburden.	The same was noticed during the inspection.	overall development of the mine being done as proposed.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	None
3b	Quantity of ROM mineral production proposed	1.75 Million tonnes during 2020-21	0.49 Million tonnes during the year 2020-21	None
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to utilise the entire ROM in the cement plant of lessee	The entire ROM utilised in the cement plant of lessee.	None
3d	Quantity of mineral reject generation	1,56,802 tonnes during 2020-21.	1,38,622 tonnes during 2020-21	None
3e	Grade of mineral rejects generation and threshold value declared.	34-40% cao	34-40% cao	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	No proposal for segregation from ROM	No segregation was noticed during the inspection.	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No analysis proposed for Subgrade or mineral rejects	No analysis being carried out for subgrade or mineral rejects	None
3j	Provision of drilling and blasting in mineral benches	It is proposed to carry out deephole drilling in the mineral benches	Deephole drilling as proposed being carried out.	None
3k	Provision of mining machineries in mineral benches	It was proposed to carry out excavation and transportation by using HEMM like Back hoe and tippers.	The same was noticed during the inspection.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed maintain an height of 8 meters	The height being maintained as proposed.	
3m	Total area covered under excavation/pits	37.45 ha	32.35 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.06	1:0.7	None
3o	Total area put in use under different heads at the end of year	Pit - 37.45 ha Infrastructure - 2.30 ha Dumps - 22 ha	Pit - 32.35 ha Infrastructure - 2.30 ha Dumps - 18.53 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 0.54 Million tonnes 2017-18 - 0.58 Million tonnes 2018-19 - 0.54 Million tonnes 2019-20 - 2.45 Million tonnes 2020-21 - 1.75 Million tonnes	2016-17 - 0.19 Million tonnes 2017-18 - 0.33 Million tonnes 2018-19 - 0.49 Million tonnes 2019-20 - 0.49 Million tonnes 2020-21 - 0.49 Million tonnes	The production reported is less than the quantity proposed.

3q	General remarks of inspecting officers on method of mining etc.	---	The actual production reported was less than the proposed quantity and development being carried out as proposed.	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)	Proposals made for dumping Overburden and Mineral Reject seperately.	Duirng the inspection it was noticed that overburden and Mineral rejects are dumped seperately as proposed.	None
4b	Location of topsoil, OB and mineral reject dumps	The Overburden was proposed to dump in two locations.The gridlines are as follows: Dump-1: E405100 to E405450 and N1864300 to N1864700 Dump-2: E 405200 to E 405600 and N1864100 - 1864500 Mineral reject: E 405300 to E 405550 and N1864700 to N1864500	The dumps and mineral reject are maintained as proposed.	None
4c	Number of dumps within lease area and outside of lease area	Two within the lease area	Two within the lease area	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The dumps are maintained beyond the ultimate pit limit	The same was noticed during the inspection.	None
4e	Number of active and alive dumps.	Two	Two	None
4f	Number of dead dumps.	Nil	None	None
4g	Number of dumps established.	Two	Two	None

4h	Whether Retaining wall or garland drain all along dumps are there.	yes retaining wall proposed around the dumps.	Yes, retaining wall around the dumps erected as proposed.	None
4i	Length of Retaining wall or garland drain all along dumps	2420mx2mx1m	The same was confirmed during the inspection.	None
4j	Number of settling ponds	Nil	None	None
4k	Specific comments of inspecting officer on waste dump management	The proposals are made for separate dumpin and maintaining Mineral reject dump.	Two seperate dumps for waste maintained along with one Mineral reject dump.	The height of the Mineral reject dump is maintained more than the height proposed. A violation letter for the same was issued to the lessee.

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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.	There was no proposal to reclaim by way of back filling during the year 2020-21	No backfilling was carried out during the year 2020-21.	No area matured for reclamation.
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	There is no topsoil in the lease and as such proposal was made.	No topsoil was generated during the year 2020-21.	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	No area matured for reclamation.

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Progressive Mine Clousre Plan:

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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 the protective measures taken duiring the year 2020-21 was submitted by the lessee in time.	None
6b	Area available for rehabilitation (ha) .	It was proposed to plant over an extent of 0.5 ha duiring the year 2020-21	The actual plantation reported was over an extent of 2.03 ha	The plantation was carried over the extent more than that proposed in the approved document.
6c	afforestation done (ha).	0.50 ha	2.03 ha	None
6d	No. of saplings planted during the year	1000 no.s	10600 no.s	None
6e	Cumulative no .of plants	---	47589 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	----	the cost incurred towards watch and ward for the year 2020-21 as reported by the lessee was Rs.27,37,817/-	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)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 environmental monitoring in both buffer and core zone.	The regular monitoring of all environmental parameters being carried out by the lessee.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	The proposed protective environmental measures such as plantation,environmental monitoring being carried out as proposed.	None

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	There is proposal for grade wise sorting of mineral within the lease area.	No grade wise sorting noticed in the lease.	The entire ROM being consumed in the cement plant of lessee.
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 .	No beneficiation process proposed at mine.	No beneficiation process was noticed within the mine.	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There was no proposal for any grade wise sorting,beneficiation at mines	No such activities noticed in the mine.	None

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	As there is no topsoil in the lease no proposal was made for the same	No topsoil was generated during the year 2020-21.	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumps for overburden and mineral rejects proposed	seperate dumps for overburden and mineral rejects being maintained by the lessee as proposed.	None

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal was made to utilise the overburden for restoring the land to its original use. Rehandling of Mineral reject dump was proposed.	the same was noticed during the inspection.	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)	The lease area is covered by bushy type of vegetation in addition to the plantation made by the lessee.	The same was noticed during the inspection.	None
8g	Survival rate	805	80%	None
8h	Water sprinkling on roads to control airborne dust	it was proposed to use water tanker for sprinkling of water for dust suppression.	the same was noticed during the inspection.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	The general aesthetic beauty of the lease is fine and can be improved.	None

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	-----	The Monthly and Annual returns being submitted by the lessee regularly.	None

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per Annual return 2020-21 Sri T manikanta and Sri Anjaneyulu were reported as Mining Engineer and Geologist.	The same was confirmed during the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under pit/dumps etc reported in Annual return 2020-21 is as follows: Area under pits: 32.35 ha Area under dumps: 18.530 ha	The same was confirmed during the inspection.	None
9d	Scrutiny of Annual return on afforestation	The afforestation figures reported in Annual return 2020-21 was 10,600 saplings with a survival rate of 80%.	The same was noticed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The Mineral reject reported in the Annual return 2020-21 was 61,743 tonnes.	The same was confirmed during the inspection.	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The total ROM reported in the annual return 2020-21 was 4,99,000 tonnes	The same was confirmed during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported in the Annual return 2020-21 was Rs.187.85 per tonne.	The same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets stated in the Annual return 2020-21 was Rs.3.53 crores.	Scrutiny of the same was not done	None

9k	Scrutiny of Annual return on mining machineries	The details of Mining Machinery reported in the Annual return 2020-21 are as follows: 1. Back Hoe - 1 no. 2. Dozer - 1 no. 3. Tipper - 6 no.s 4. Air-compressor - 1 no. 5. Blast drill - 1 no. 6. Water tanker - 1 no.	The same was noticed during the inspection.	None
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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
MCDR17	Rule 11(1)	07/12/2021			

**Date :**

**(SHAILENDRA KUMAR)**

Indian Bureau of Mines