

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

**MCDR INSPECTION REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KSN/LST-25/HYD

**Mine code :** 38APR10026

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri BSP Raju, Agent, Shri Venkateshwar Reddy, Mines  
Official with  
Designation
- (iv) Date of Inspection : 22/09/2016
- (v) Prev.inspection date : 15/09/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RAVIRALA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KRISHNA
- Village : JAYANTHIPURAM
- Taluka : JAGGAYYAPETA
- Post office : KUMARASAMYRAJA
- Pin Code : 521457
- FAX No. : 08654-222532
- E-mail : mcljpm@madrascements.co.in
- Phone : 08654-224400
- (f) Police Station : JAGGAYYAPETA
- (g) First opening date : 25/06/2003
- (h) Weekly day of rest : SUN
2. Address for : THE RAMCO CEMENTS LIMITED,  
correspondance KUMARASWAMY RAJA NAGAR,  
JAGGAYYAPETA, KRISHNA DIST.
3. (a) Lease Number : APR1204
- (b) Lease area : 124.38
- (c) Period of lease : 20
- (d) Date of Expiry : 30/09/2017
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 : THE RAMCO CEMENTS LIMITED.  
 KUMARASAMY RAJA NAGAR-  
 5217457, JAGGAYAPET  
 MANDAL, KRISHNA DISTRICT.  
 KRISHNA ANDHRA PRADESH  
 Phone:  
 FAX : 08654-222532

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

## Mining Engineer

Name : KHAJA ASHRAF ALI,Full Time  
 Qualification : B.E(Mining)  
 Appointment/ : 04/07/2007  
 Termination date

## Geologist

Name : P.GANESH NARENDRA REDDY,Full Time  
 Qualification : M.Sc(GEOLOGY)  
 Appointment/ : 11/06/1992  
 Termination date

## Manager

Name : S.VENKATESWARA REDDY  
 Qualification : FCC  
 Appointment/ : 02/03/2006  
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	31/07/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	13/05/2008
		Mining Scheme rule 12 MCDR1988	21/10/2013

## 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	NIL	NIL	
1e	Balance reserve as on 01/04/20	14.41Million Tonnes	15.20Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	ML1 to ML3	ML1 to ML3	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB: Top & I bench Mineral : I,II, III, IV & V Benches	OB: Top bench Mineral : I,II, III, IV & V Benches	
2c	Stripping ratio or ore to OB ratio	0.12	0.14	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	122187	85140	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE PIT	ONE PIT	
3b	Quantity of ROM mineral production proposed	1015273MT	536000MT	Less Production due to less demand from Cement plant.
3c	Recovery of sailable/usable mineral from ROM production	NOT APPLICABLE	NOT APPLICABLE	CAPTIVE CONSUMPTION
3d	Quantity of mineral reject generation	NIL	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	Above 20% SiO <sub>2</sub>	NIL	-
3f	Quantity of sub grade mineral generation.	NIL	NIL	-
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	-
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.	NIL	NIL	-
3j	Provision of drilling and blasting in mineral benches	Conventional deep hole drilling and blasting	Conventional deep hole drilling and blasting	

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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			
3m	Total area covered under excavation/pits	27.16Ha	26.49Ha	
3n	Ore to OB ratio for the pit/mine during the year.	0.12	0.14	
3o	Total area put in use under different heads at the end of year	40.65 Ha	40.73 Ha	
3p	Production of ROM mineral during the last five year period as applicable	3137350MT	2396779MT	From 2013-14 to 2015-16
3q	General remarks of inspecting officers on method of mining etc.			

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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)	There is no TopSoil & Mineral Reject. OB Dumping Separately	There is no TopSoil & Mineral Reject. OB Dumping Separately	
4b	Location of topsoil, OB and mineral reject dumps	There is no topsoil & Mineral reject waste. OB Dump-ML1 to ML3 (west side of ML area)	There is no topsoil & Mineral reject waste. OB Dump-ML1 to ML3 (west side of ML area)	
4c	Number of dumps within lease area and outside of lease area	1 Dump is in ML area	1 Dump is in ML area	There is no dump in out side ML

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	West side of Mining Lease	West side of Mining Lease
4e	Number of active and alive dumps.	ONE	ONE
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	NIL	NIL
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 PROPOSED	950M
4j	Number of settling ponds	ONE	ONE
4k	Specific comments of inspecting officer on waste dump management		

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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 on west side, South west and North West of Pit	Full extraction done on Westside, South west and North west to be exploited fully for back filling. 0.38Ha	
5b	Area under backfilling of mined out area	0.55Ha	0.38Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NOT APPLICABLE	NOT APPLICABLE	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	

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5e General remarks  
of inspecting  
officers on  
backfilling and  
reclamation etc.

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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) .	NIL	NIL	
6c	afforestation done (ha).	0.50	0.75	
6d	No. of saplings planted during the year	500	620	
6e	Cumulative no .of plants	1500	7982	
6f	Any other method of rehabilitation			
6g	Cost incurred on watch and care during the year	218750	1286400	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NOT APPLICABLE	NOT APPLICABLE	
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)Afforestation 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	NOT APPLICABLE	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	500	620	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.50	0.75	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NOT APPLICABLE	NOT APPLICABLE	
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.			

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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	1015273MT	536000MT
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		

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not applicable	Not applicable	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB-1 Mineral reject Waste:0	OB-1 Mineral reject Waste:0	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL		

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL		
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL		
8g	Survival rate	NOT PROPOSED	93%	
8h	Water sprinkling on roads to control airborne dust	One mobile water sprinkler with spraying arrangement will be used for dust suppression on haul roads	One mobile water sprinkler with spraying arrangement will be used for dust suppression on haul roads	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Submitting within time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: K.Ashraf Ali Geologist: B.Raju Mines Manager: S.Ventateswara Reddy	Mining Engineer: K.Ashraf Ali Geologist: B.Raju Mines Manager: S.Ventateswara Reddy	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current workings: 26.49 Reclamation:0.83 Used waste disposal:8.72 Occupied by Plants and buildings &Roads:4.03	Covered under current workings: 26.49 Reclamation:0.83 Used waste disposal:8.72 Occupied by Plants and buildings &Roads:4.03	
9d	Scrutiny of Annual return on afforestation	620	620	
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	Sale Value is 0. Ex.Mine Price Rs.195.97Per tone	Sale Value is 0. Ex.Mine Price Rs.195.97Per tone	CAPTIVE CONSUMPTION
9h	Scrutiny of Annual return on fixed assets	Closing Balance: Rs.103984507	Closing Balance: Rs.103984507	
9k	Scrutiny of Annual return on mining machineries	Excavator - 2, Dozer-1, Tippers - 10, Water Tanker - 2, Drill & Compressor- 1	Excavator - 2, Dozer-1, Tippers - 10, Water Tanker - 2, 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
Rule 13(1)	05/12/2016				
Rule 27(4)	05/12/2016				
Rule 13(1)	05/12/2016				
Rule 27(4)	05/12/2016				

**Date :**

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines