

**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 : Sri BSP Raju, Agent, Sri Venkateswar Reddy, Mines Man
Official with
Designation
- (iv) Date of Inspection : 23/04/2017
- (v) Prev.inspection date : 22/09/2016

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 : 124.33
- (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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Exploration has been carried in entire mineralised area in 1995-96 in grid interval of 150m x 150 m

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 & I 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	

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	ONE PIT	ONE PIT	
3b	Quantity of ROM mineral production proposed	1015273MT	397000MT	

3c	Recovery of sailable/usable mineral from ROM production	100%	100%
3d	Quantity of mineral reject generation	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	No generation of mineral reject
3f	Quantity of sub grade mineral generation.	No proposal	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.	No proposal to carryout any study	No study carried out
3j	Provision of drilling and blasting in mineral benches	Conventional deep hole drilling and blasting. 115 mm Dia Drill, 3m Burden & 4m Spacing	Conventional deep hole drilling and blasting. 115 mm Dia Drill, 3m Burden & 4m Spacing
3k	Provision of mining machineries in mineral benches	1 Hydraulic excavators (1.0 Cum) & 5 no. of Tippers (20 MT) are to be deployed	1 Hydraulic excavators (1.0 Cum) & 4 no. of Tippers (20 MT) have been deployed
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 m bench height	8 meters bench height maintained is suitable for method of working
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	0.18
3o	Total area put in use under different heads at the end of year	40.73 Ha	40.73 Ha

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 dumps. OB Dumping Separately	Overburden is dumping seperately	
4b	Location of topsoil, OB and mineral reject dumps	OB Dump-ML1 to ML3 (western side of ML area)	OB Dump-ML1 to ML3 (western 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	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active and alive dumps.	ONE active dump	ONE active dump	
4f	Number of dead dumps.	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	NO PROPOSALS	950M	
4j	Number of settling ponds	one	One	

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.	Entire ore was proposed to extract on west side, South west and North West of Pit	Full extraction done on Westside, backfilling carried out over 0.38 Ha
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

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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).	0.5 Ha	0.8 Ha	
6d	No. of saplings planted during the year	500 nos.	800 nos.	
6e	Cumulative no .of plants	2000	8782	
6f	Any other method of rehabilitation	No	No	
6g	Cost incurred on watch and care during the year	Rs. 218750	Rs 1230000	

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	No proposal	No waste land is present in the lease
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quartely monitoring of Air, Water, Noise is required to be carried out	Monitoring is being carried out quarterly and results are within permissible limit.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

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

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	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable	Not Applicable	
8g	Survival rate	NOT PROPOSED	95%	

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
----	--	--	--

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR and MR should be submitted as per statue	AR yet to submit whereas Monthly returns are regularly submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per AR 2015-16 Mining Engineer: K.Ashraf Ali Geologist: B.Raju Mines Manager: S.Ventateswara Reddy	As per AR 2015-16 Mining Engineer: K.Ashraf Ali Geologist: B.Raju Mines Manager: S.Ventateswara Reddy	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR 2015-16 Covered under current workings: 26.49 Reclamation:0.83 Used waste disposal:8.72 Occupied by Plants and buildings &Roads:4.03	AR 2015-16 Covered under current workings: 26.49 Reclamation:0.83	
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	

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
MCDR17	Rule 31(4)	04/05/2017	05/06/2017				
	Rule 45(7)	04/05/2017	05/06/2017				

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines