

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KSN/LST-12/HYD

Mine code : 38APR10004

- (i) Name of the Inspecting : **M015**) **MANISH K. MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 28/02/2018
- (v) Prev.inspection date : 21/09/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KAKATIYA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KRISHNA
Village : SRINIVASANAGAR
Taluka : JAGGAYYAPET
Post office : JAGGAYYAPET
Pin Code : 521175
FAX No. : 040-7630172
E-mail : info@kakatiyacements.com
Phone : 7637717, 7633627
- (f) Police Station : JAGGAYYAPET
- (g) First opening date : 12/01/1983
- (h) Weekly day of rest : MON
2. Address for : KAKATIYA LIMESTONE MINE
correspondance : SRINIVASNAGAR COLONY, JAGGAYYAPETA
KRISHNA DIST.
3. (a) Lease Number : APR0060
- (b) Lease area : 121.4
- (c) Period of lease : 20
- (d) Date of Expiry : 19/05/2002
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : KAKATIYA CEMENT SUGAR INDUSTRIES LTD
 H.NO 1/10/140/1 ASHOKNAGAR
 HYDERABAD HYDERABAD
 TELANGANA
 Phone:
 FAX :

Owner : M/S KAKATIYA CEMENT LTD
 M/S KAKATIYA CEMENTS LTD
 KRISHNA KRISHNA ANDHRA
 PRADESH
 Phone:
 FAX :

Agent : K.SRIHARI
 SRINIVASA NAGAR JAGGAYYAPET
 NALGONDA KRISHNA ANDHRA
 PRADESH
 Phone: 08654-200014
 FAX : 08654-296331

Mining Engineer

Name : Y.KARUNAKAR RAO, Full Time
 Qualification : B.E.(MINING)
 Appointment/ : 18/03/2010
 Termination date

Manager

Name : T.VINAY KUMAR
 Qualification : B.E(MINING)
 Appointment/ : 16/08/2010
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	13/05/2002
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	08/02/2007
		Mining Scheme rule 12 MCDR1988	05/06/2012
		Mining Scheme rule 12 MCDR1988	15/10/2012
		MP modif under 17(3) MCR 2016	24/03/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year		No Backlog of 16- 17 is there. The exploration proposal of 17-18 for 13 boreholes is still pending.	violation pointed
1b	Exploration over lease area for geological axis 1 or 2		About 65 hectare is there to be explored to bring it in G1 / G2 level of exploration.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	65.26 hectare	NIL	
1e	Balance reserve as on 01/04/20		As per document approved on 24/3/17, the total mineral resource has increased to 6,51,55,442 million tonnes on 1st dec 2017. The mineable reserves as on 1/12/2017 is reassessed as 19316690	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	40N- -200S and 500E - 400W	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		Separate benches in top soil and OB are being maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.052	1:0.030	
2e	Quantity of overburden generation in m3	25563.750 MT	6750 MT	Interstitial clay is generated as OB

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	511275 MT	231750 MT	
3c	Recovery of sailable/usable mineral from ROM production	95%	98%	
3d	Quantity of mineral reject generation	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation		N.A	
3h	Manual / Mechanised method adopted for segregating from ROM			segragation is done at the site by excavator
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	not done	
3j	Provision of drilling and blasting in mineral benches	115 mm dia drill m/c, 1 excavator, 3 tippers	115 mm dia drill m/c, 2 excavator of 2.1 cu m, 5 tippers- 20 T	
3k	Provision of mining machineries in mineral benches	115 mm dia drill m/c, 1 excavator, 3 tippers	115 mm dia drill m/c, 2 excavator of 2.1 cu m, 5 tippers- 20 T	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		yes	
3m	Total area covered under excavation/pits		About 35 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.052	1:0.030	

3p	Production of ROM mineral during the last five year period as applicable	Year prod in tonne	Year tonne	prod in
		2012-13 - 430509	2012-13 -	415000
		2013-14 - 510064	2013-14 -	349964
		2014-15 - 500004	2014-15 -	387500
		2015-16 - 509656	2015-16 -	344125
		2016-17-509656	2016-17-	353380

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)		Separate dumping of waste is being done and top soil is used for planatation wherever separable.	
4c	Number of dumps within lease area and outside of lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)		dumping is done outside ultimate pit limit	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there.		Yes provided	
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	Area not mature for backfilling
5b	Area under backfilling of mined out area	No proposal	Not Applicable.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N.A	N.A
5d	Total area fully reclaimed and rehabilitated	N.A	N.,A

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	
6b	Area available for rehabilitation (ha) .	No proposal	Not Applicable	
6c	afforestation done (ha).	0.02 hectare	0.03 hectare	
6d	No. of saplings planted during the year	40 Nos	650 Nos planted	
6p	Compliance of environmental monitoring (core zone and buffer zone)		Complied	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	485711 MT	225000 MT
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.		mechanised by excavator at mine site
7c	Different grade of mineral sorted out at mines.		Not Applicable.
7d	Any beneficiation process at mines	No proposal	Not done

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil is there		
8b	Concurrent use or storage of topsoil		NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Separate dump of interstitial clay	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		Not Applicable as area is not mature foir the purpose.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Submitted monthly and annual return	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer and Geologist has been appointed	The Mining engineer appointed was not having the desired experience as per the MCDR. Violation pointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		reported	
9d	Scrutiny of Annual return on afforestation	650 within Mining lease	the survival rate of less .	
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	349750 MT	as reported.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Rs 217.51 Rs PMT reported	

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)	05/04/2018			
MCDR17	Rule 55(1)(3)	05/04/2018			

Date :

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines