

**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 : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri RaviKumar Kulkarni, Mines Manager, Shri T Anil K
Official with
Designation
- (iv) Date of Inspection : 21/09/2016
- (v) Prev.inspection date : 04/03/2016

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Core Drilling 8 no. of bore holes	completed 8 no. of bore holes during 2016-17	
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	R.V.Geo Services ,Rs- 4,21,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	78.06 Million Tons	78.06 Million Tons	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1st & 2nd Bench	1st & 2nd Bench	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.086	1:0.016	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	57561 MT	23,360 MT	Not Generated More O/B.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE	

3b	Quantity of ROM mineral production proposed	5,00,004 MT	3,67,485 MT	Due to Plant Shut Down.
3c	Recovery of sailable/usable mineral from ROM production	5,00,004 MT	3,44,124.820 MT	Due to Plant Shut Down
3d	Quantity of mineral reject generation	56472 MT	23,360 MT	Due to Plant Shut Down
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED	
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	PROVIDED	PROVIDED	
3k	Provision of mining machineries in mineral benches		BACK HOE 0.900 CUM 2 Non Electrical AIR COMPRESSOR 450.000 CUM/MN 1 Non Electrical FRONT END LOADER 1.500 CUM 1 Non Electrical ROCK DRILL 15.000 MM 1 Non Electrical PUMPS (ELEC.) 1980.000 L/MN 2 Electrical TIPPER 12.000 CUM 3 Non Electrical TIPPER 7.000 CUM 2 Non Electrical	

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	37.85	34.85 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.086	1: 0.016
3o	Total area put in use under different heads at the end of year	NIL	NIL
3p	Production of ROM mineral during the last five year period as applicable	2012 -13 : 430509.000 MT's 2013 -14 : 510064.000 MT's 2014 -15 : 500004.000 MT's 2015 -16 : 509656.000 MT's 2016 -17 : 509656.000 MT's 415000.000 MT's 349964.320 MT's 387500.000 MT's 344125.000 MT's 162716.000MT's	2012-13 : 415000.000 MT's 2013-14 : 349964.320 MT's 2014-15 : 387500.000 MT's 2015-16 : 344125.000 MT's 2016-17 : 162716.000MT's

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	56571 MT	23,360 MT	Not Generated More O/B.

4b	Location of topsoil, OB and mineral reject dumps		N16°51'10.74" E80°3'23.73''- - N16°51'9.56'' E80°3'27.03''	
4c	Number of dumps within lease area and outside of lease area	one	ONE	WITHIN LEASE AREA
4e	Number of active and alive dumps.		ONE	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	one	ONE (PARTIALLY)	
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	

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.	NOT APPLICABLE	NOT APPLICABLE	
5b	Area under backfilling of mined out area	NOT APPLICABLE	NOT APPLICABLE	
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	NOT APPLICABLE	NOT APPLICABLE	

5e General remarks NOT APPLICABLE NOT APPLICABLE
of inspecting
officers on
backfilling and
reclamation etc.

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) .	0.30 Ha 600 Nos	.335 Ha 700 Nos	
6c	afforestation done (ha).	NOT APPLICABLE	NOT APPLICABLE	
6d	No. of saplings planted during the year	700 withinlease	Observed planetd	
6f	Any other method of rehabilitation	nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring needs tobe carried out	Monitering is being carried out regularly	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	5,09,646 MT	344124.820 MT (TC 80% - 83%)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANISED	MECHANISED	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)		This Top soil is used for plantation as on when generated.	
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump of waste material	One dump of waste material	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NOT APPLICABLE	NOT APPLICABLE	
8g	Survival rate		45%	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Submitted monthly and Annual returns on in time and correctly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and geologist to be appointed	U.V.Narasappa as mining engineer and Manager has been appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Excavation: 34.750, Occupied by plant and building : 1.239, Afforestation : 11.29 Ha	No deviation than the information submitted is observed	
9d	Scrutiny of Annual return on afforestation	Within Lease 700 sapplings and Outside lease 600 sapplings	The above afforestation was observed	

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	No stacks in the lease area	No stock observed in the lease area
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.172.29	Rs. 172.29
9h	Scrutiny of Annual return on fixed assets	Rs. 201571000	Rs. 201571000
9k	Scrutiny of Annual return on mining machineries		BACK HOE 0.900 CUM 2 Non Electrical AIR COMPRESSOR 450.000 CUM/MN 1 Non Electrical FRONT END LOADER 1.500 CUM 1 Non Electrical ROCK DRILL 15.000 MM 1 Non Electrical PUMPS (ELEC.) 1980.000 L/MN 2 Electrical TIPPER 12.000 CUM 3 Non Electrical TIPPER 7.000 CUM 2 Non Electrical

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

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines