

**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 : PG01) P.GURUVAIAH
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 11/01/2019
- (v) Prev.inspection date : 28/02/2018

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 correspondance** : KAKATIYA LIMESTONE MINE
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 proposal.	Nil	-
1b	Exploration over lease area for geological axis 1 or 2	Exploration proposed 13 bore holes for the year 2017-18	Exploration carried out for 26 no of bore holes completed during the year 2017-18.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Submitted form J for 26 no of bore holes carried out during the year 2017-18.	Submitted form J for 26 no of bore holes carried out during the year 2017-18.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil	
1e	Balance reserve as on 01/04/20	111-77.825 Mill.T 211-12.613 Mill.T 333-39.873 Mill.T	111-77.825 Mill.T 211-12.613 Mill.T 333-39.873 Mill.T	-
1f	General remarks of inspecting officers on geology, exploration etc	13 no of bore holes proposed during the year 2017-18	26 no bore holes carried out during the year 2017-18.	Submitted form J for 26 no of bore holes carried out during the year 2017-18.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1st, 2nd, 3rd, 4th, 5th. Benches	1st, 2nd, 3rd, 4th, 5th. Benches	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal.	Nil	-
2c	Stripping ratio or ore to OB ratio	1 : 0.052	1 : 0.030	-
2d	Quantity of topsoil generation in m3	No proposal.	Nil	-
2e	Quantity of overburden generation in m3	25,563 T	6,750 T	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	1st, 2nd, 3rd, 4th, 5th. Benches	1st, 2nd, 3rd, 4th, 5th. Benches	-
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one pit.	onepit.	-
3b	Quantity of ROM mineral production proposed	5,11,275 T	2,31,750 T	-
3c	Recovery of sailable/usable mineral from ROM production	95 %	98%	-
3d	Quantity of mineral reject generation	25,563 T	6,750T	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	-
3f	Quantity of sub grade mineral generation.	No proposal.	Nil	-
3g	Grade of sub grade mineral generation	No proposal.	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Nil	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable.	Nil	-
3j	Provision of drilling and blasting in mineral benches	Yes,Provided.	yes,Provided.	-

3k	Provision of mining machineries in mineral benches	yes, provided.	Yes, provided.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not applicable.	Not applicable.	-
3m	Total area covered under excavation/pits	33.00 ha	33.00 ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0. 052	1 : 0. 30	-
3o	Total area put in use under different heads at the end of year	Yes as for the proposal.	Yes as for the proposal.	-
3p	Production of ROM mineral during the last five year period as applicable	2013-14 - 510064 T 2014-15 - 500004 T 2015-16-509656 T 2016-17-509656 T 2017-18 511275 T	2013-14 -415000 T 2014-15 -349964 T 2015-16-344125 T 2016-17-353380 T 2017-18 -231750 T	-
3q	General remarks of inspecting officers on method of mining etc.	Mechanaised open cast method.	Mechanaised open cast method.	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not available.	Not available.	-
4b	Location of topsoil, OB and mineral reject dumps	Intercalated waste and dumped over the old existing dump.	Intercalated waste and dumped over the old existing dump.	-

4c	Number of dumps within lease area and outside of lease area	Intercalated waste and dumped over the old existing dump.	Intercalated waste and dumped over the old existing dump.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Intercalated waste and dumped over the old existing dump up to 0.6 m.	Intercalated waste and dumped over the old existing dump up to 0.6 m.	-
4e	Number of active and alive dumps.	one dump.	one dump.	-
4f	Number of dead dumps.	Not available.	Not available.	-
4g	Number of dumps established.	1	1	-
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	290 mts.	-	-
4j	Number of settling ponds	No proposal.	Nil	-
4k	Specific comments of inspecting officer on waste dump management	One dump	one dump	-

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal.	Nil	The area is not matured for backfilling stage.
5b	Area under backfilling of mined out area	No proposal.	Nil	The area is not matured for backfilling stage.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	There is no top soil generation.

5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	The area is not matured for reclamation and rehabilitation stage.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	The area is not matured for backfilling stage.

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).	Monthly annual returns submitted regularly and on time.	Monthly annual returns submitted regularly and on time.	-
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	The area is not matured for rehabilitation.
6c	afforestation done (ha).	0.015 Ha	0.03 Ha	-
6d	No. of saplings planted during the year	30 no of plants.	600 no of plants.	-
6e	Cumulative no .of plants	Not specified.	16495 no of plants.	-
6f	Any other method of rehabilitation	No proposal.	Nil	-
6g	Cost incurred on watch and care during the year	Not specified.	1,80,000/	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	-

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Nil	The area is not matured for rehabilitation.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	The area is not matured for rehabilitation.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	The area is not matured for rehabilitation.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil	The area is not matured for rehabilitation.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	Nil	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	Nil	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, complied.	Yes, complied.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Yes submitted.	Yes submitted.	-

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	5,11,275 T	2,31,750 T	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical.	Mechanical.	-
7c	Different grade of mineral sorted out at mines.	No proposal.	The entire Rom will go to the crusher.	-
7d	Any beneficiation process at mines	Not applicable.	Not applicable.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of beneficiation.	Nil	There is no beneficiation process.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	There is no top soil generation.
8b	Concurrent use or storage of topsoil	No top soil storage proposal.	Nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste spred above the existing dump with one meter height.	Waste spred above the existing dump with one meter height.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not specified	Nil	The area is not matured.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	The area is not matured for rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.015 Ha 30 no of plants.	600 no of plants with in M.L area and 1300 no of plants carried out out side th eM.L area.	-
8g	Survival rate	Not specified.	Within M.L 50% and out side M.L area 60%.	-
8h	Water sprinkling on roads to control airborne dust	yes, as per proposal.	Water tanker provided on haul roads to control airborne dust.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	As per proposal of plantation.	600 no of plants with in M.L area and 1300 no of plants carried out out side th eM.L area.	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes, submitted.	yes, submitted.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Devanand, Mines manager K. Jaganadha Rao, Geologist.	Devanand, Mines manager K. Jaganadha Rao, Geologist.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes, given.	yes, given.	-

9d	Scrutiny of Annual return on afforestation	600 no of plants within the M.L area, 1300 no plants out side the M.L area, during the year 2017-18.	600 no of plants within the M.L area, 1300 no plants out side the M.L area, during the year 2017-18.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not given.	Not given.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM-231750 T	ROM-231750 T	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.mine price-Rs-210/ cost of prod-Rs-210/	Ex.mine price-Rs-210/ cost of prod-Rs-210/	-
9h	Scrutiny of Annual return on fixed assets	Yes,given.	Yes,given.	-
9k	Scrutiny of Annual return on mining machineries	Back hoe-2 Air compressor-1 Rock drill-1 Tippers-5.	Back hoe-2 Air compressor-1 Rock drill-1 Tippers-5.	-

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 :

(P.GURUVAIAH)

Indian Bureau of Mines