

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/KNL/LST-192/HYD

**Mine code :** 38APR11163

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 23/02/2019
- (v) Prev.inspection date : 14/12/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **YANAKANDLA (343.22 HA)**
- (b) **Registration NO.** : **IBM/12134/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : ANDHRA PRADESH  
District : KURNOOL  
Village : YANAKANDLA  
Taluka : KURNOOL  
Post office : BANAGANAPALLE  
Pin Code : 518124  
FAX No. : 085151-200507  
E-mail : jayabharatreddy.n @myhomeg  
Phone : 08515-200508
- (f) Police Station : BANAGANAPALLI
- (g) First opening date : 12/03/2012
- (h) Weekly day of rest : SUN
2. Address for : UENKANDLA (VILLAGE&POST)  
correspondance : BANAGANAPALLE MANDALAM  
JURNOOL DIST ,ANDHRAPRADESH-PINCODE 518124
3. (a) Lease Number : APR3286
- (b) Lease area : 343.22
- (c) Period of lease : 20
- (d) Date of Expiry : 02/01/2032
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S.SREE JAYAJOTHI CEMENTS LTD  
 KURNOOL ANDHRA PRADESH  
 Phone:  
 FAX :

Owner : Sri. J.Ramu Rao  
 My Home Inds.Ltd. 9 th  
 Floor, Block-3, My Home Hub  
 Madhapur, Hyderabad  
 HYDERABAD TELANGANA  
 Phone:  
 FAX :

Agent : D.S.N.V.PRASAD  
 BOINCHERUVUPALLI VILLAGE  
 KURNOOL DISTRICT KURNOOL  
 ANDHRA PRADESH  
 Phone: 08522-249952  
 FAX : 08522-249920

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	22/04/2009
		Modif.of approved Mining Plan	13/01/2011
		Modif.of approved Mining Plan	19/05/2015
		MP modif under MCR 1960	08/03/2016

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No BACKlog	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	il	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	The entire mineralized area has benn explored under G1 and G2 scale of exploration. J R Kordrilling, Hyderabad	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	The entire mineralized area has benn explored under G1 and G2 scale of exploration.	
1e	Balance reserve as on 01/04/20		39.6 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc		Entire mineralized area has been explored in G1 & G2 level earlier	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to produce ore from Yanakandla block through working pit and in Patharpahad block through dump rehandling	Yanakandla block working is located in between N9300- N9800 gridlines	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, to be maintained separately	Separate bench in ore, top soil is maintained Ore- 3 benches OB- 1 bench	
2c	Stripping ratio or ore to OB ratio	1 : 0.041	1 : 0.06	

2d	Quantity of topsoil generation in m3	Nil (2017-18)	Nil (2017-18)
2e	Quantity of overburden generation in m3	51,000 tonnes	82,750 Tonnes
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mining operations are being carried out as per approved proposals

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2.47 million tonnes (2017-18)	1.37 million tonnes (2017-18)	Due to less demand from Plant.
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	N.A	
3g	Grade of sub grade mineral generation	No proposal	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	No segregation	It was proposed to work of ore, entire ROM is feed to plant	by Fully mechanized method and entore ROM is feed to plant
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	Deep hole drilling is proposed to be carried out by 115 mm dia drill hole, length of hole is 8 meters with Burden and Spacing of 3.5 meters & 7.5 meters respectively using non electric delay detonators. Powder factor proposed is 9.45 tonnes / Kg further Blasting is proposed to be carried twice in a week .	Work is being done with 115 mm dia drill hole, length of hole is 8 meters by keeping Burden and Spacing of 3.5 meters & 7.5 meters respectively using non electric delay detonators with powder factor of about 9.00 tonnes / Kg..Generally blasting is being carried twice in a week .
3k	Provision of mining machineries in mineral benches	Mining operations are being carried out by using following machineries Excavator 2.5cum - 2 nos., Dumpers- 25 Tonne- 10 nos. Drilling machine 115 mm- 1 no.	Work is being done by using machineries of Excavator (2.5cum) - 2 nos., Dumpers- (25 Tonne)- 10 nos. Drilling machine (115 mm)- 1 no.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, proposed Bench height of 08 metyers is suitable for the excavation of 2.5 cum capacity back hoe excavators.	Bench height of 8 meters is suitable for the excavation of 2.5 cum capacity back hoe excavators having about 7 meters boom length.
3m	Total area covered under excavation/pits	84.68 Ha	36.773 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.041	1 : 0.06

3o	Total area put in use under different heads at the end of year	128.8 Ha	69.653 Ha
3p	Production of ROM mineral during the last five year period as applicable	2013-14 2.9 million tones 2014-15 3.0 million tones 2015-16 2.7 million tones 2016-17 2.7 million tones 2017-18 2.47 million tonnes	2013-14 1.32 million tones 2014-15 1.56 million tones 2015-16 1.48 million tones 2016-17 1.31 million tones 2017-18 1.37 million tonnes
3q	General remarks of inspecting officers on method of mining etc.		Production reported is less than the approved quantity.

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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)	Only OB is generated and there is no generation of top soil, mineral reject is proposaed	OB dump is maintained seperately in the earmarked place as per approved document	
4b	Location of topsoil, OB and mineral reject dumps	Waste generated to dump on Eastern side of the lease area in between grid N9900- N10100	Waste Dumping has been found as proposed in the earmarked place	
4c	Number of dumps within lease area and outside of lease area	One	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste dump is proposed outside UPL	Waste dumping is carried out beyond UPL	
4e	Number of active and alive dumps.	Active- 1	Active-1	
4f	Number of dead dumps.	Nil	Nil	

4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal to construct retaining wall and Garland drains around dumps	N.A	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	N.A	
4j	Number of settling ponds	No proposal	N.A	During rainy season water is drained in to pit sump created in the lease area to store the water for plantation, water sprinkling purpose.
4k	Specific comments of inspecting officer on waste dump management			Waste dumping has been carried out outside the UPL and is well established in the lease area. Water will be drained in to the pit sump during rainy season which will be used for plantation/ water sprinkling purposes.

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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.	No proposal	Nil	Mineral benches have not reached UPL, hence no area is matured for backfilling.
5b	Area under backfilling of mined out area	No proposal	nil	Mineral benches have not reached UPL, hence no area is matured for backfilling.

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5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil is there in the lease area	N.A	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	Mineral benches have not reached UPL, hence no area is matured for backfilling.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral benches have not reached UPL, hence no area is matured for backfilling. Hence No reclamation and rehabilitation activity is applicable to this lease

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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).	Yearly report to be submitted for the year 2017-18	Yearly report submitted	
6b	Area available for rehabilitation (ha) .	No proposal	N.A	Mineral benches have not reached UPL, hence no area is matured for backfilling.
6c	afforestation done (ha).	0.8 Ha	0.9 Ha with gap plantation	
6d	No. of saplings planted during the year	700	965	
6f	Any other method of rehabilitation	No proposal	N.A	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	Mineral benches have not reached UPL, hence no area is matured for backfilling. The reclamation and rehabilitation is not applicable to this mine at present.



6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	Mineral benches have not reached UPL, hence no area is matured for backfilling. The reclamation and rehabilitation is not applicable to this mine at present.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Nil	Mineral benches have not reached UPL, hence no area is matured for backfilling. The reclamation and rehabilitation is not applicable to this mine at present.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	N.A	Mineral benches have not reached UPL, hence no area is matured for backfilling. The reclamation and rehabilitation is not applicable to this mine at present.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	N.A	Mineral benches have not reached UPL, hence no area is matured for backfilling. The reclamation and rehabilitation is not applicable to this mine at present.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	N.A	
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)	Quarterly monitoring w r t Air, Water,, Noise etc. is proposed to be done	Quarte3ly Monitoring is bieng done regularly.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Yearly report as per PMCP is complied with, Monitoring is being done regularly and Plantation is being carried out to increase aesthetic beauty and no area is matured for reclamation.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce and dispatch 4.7 million tones of ROM	1.67million tones of ROM ore is produced and dispatced	Production is less due to low demand of ore from cement plant
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting is proposed, Entire ROM is dispatched to plant	Working is being carried out as per approved proposals	
7c	Different grade of mineral sorted out at mines.	No proposal for sorting of different grade of ore instead entire ROM is fed to plant.	N.A	
7d	Any beneficiation process at mines .	No.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Entire ROM is feed to plant by blending low grade ore with HIgh grade ore for optimum utilisation of mineral resources.

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## 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 in the lease area, hence question of stacking and utilisation of top soil does not arise
8b	Concurrent use or storage of topsoil	No Proposal	Nil	There is no top soil in the lease area, hence question of utilisation of top soil does not arise
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only overburden is available in the lease area and is being dumped on Eastern side of lease area	Yes waste dump on Eastern side of lease area in between grid N9900- N10100 is stocked seperately	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	No mineral bench has reached UPL, hence there is no need for backfilling the mine pit.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No mineral bench has reached up to UPL, hence there is no need for reclamation and rehabilitation of the pit at present.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Additional plantation of 965 sapplings had been carried out during the year 2017-18	
8g	Survival rate	--	85%	
8h	Water sprinkling on roads to control airborne dust	It was proposed to provide 10 K litre capacity water tanker to suppress the airbourne dust	Water tanker of 10 K litre capacit is procured for dust suppression purpose.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Dust suppression arrangement is being done to control air bourne dust and additional plantations are being done in and around the lease to improve aesthetic beauty.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Online M.R. & A.R Submitted up to Date for Yanakandla Limestone Mines.	Complied with	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: N.JAYABHARATA REDDY Geologist : R.GANESH NARENDRA REDDY	Both were employed for the lease	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining-36.773 Ha, Waste : 2.005 Plant and building :3.88 Ha Reclaimed- Nil, Green Belt - 26.995 Ha	Same is noticed	
9d	Scrutiny of Annual return on afforestation	965	above Plantation is done in the lease area	
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	Cost of Production & Exmine Price - Rs. 323.60	Rs. 323.60. As reported by Lessee	

9h	Scrutiny of Annual return on fixed assets	Rs 160345820/-	As reported by lessee
9k	Scrutiny of Annual return on mining machineries	Shovel- (2.5 cum- 2 nos, 1.0 cum- 2 nos.) 4 nos Dumper (25 tonnes ) -18 Rock Drill (115 mm dia ) -1 Explosive van- 1 Dozer-1 Water tanker-1	The machineries reported were observed

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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

**Date :**

**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines