

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **M017** ) **MANISH K MAINDIRATTA**  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : N.JAYABHARAT REDDY and others  
Official with  
Designation
- (iv) Date of Inspection : 25/11/2019
- (v) Prev.inspection date : 23/02/2019

**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 : B C Gurivi Reddy  
Yanakandla, Banaganapalli  
, Kurnool Distt, A.P  
KURNOOL ANDHRA PRADESH  
Phone:  
FAX :

## Manager

Name : N Jayabharata Reddy  
Qualification : B TECH MINING  
Appointment/ : 28/06/2014  
Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	22/04/2009
Plan/Scheme of Mining	:	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	Backlog as on 1/4/2018= NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	G1= 307.07 hect. G4= 36.15 hect	Lessee has submitted Form I for drilling 1 CBh and 2 DTH in Yanakandla ; 11CBH and 7 DTH in Patapadu block to convert into G1 level of exploration in November 19.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	45,38,073/- as reported	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	36.15 hectare is required to be enhanced to G1 level of exploration as per new threshold value published by IBM.	The exploration is required to convert erragudi into G1 level of exploration as per new threshold value.
1e	Balance reserve as on 01/04/20	As on 31/12/2015 Reserves- 42.77mT Remaining resource- 7.07mT	Depletion from 1/1/2016 to to 31/3/16- 0.3754 mT 2016-17=1.318mT 2017-18= 1.3691mT 2018-19=1.77mT Tot depletion =4.8325mT Bal res- 37.9375mT Remaining resource- 7.07mT	However from the assessed reserves from dump i.e, 866582 T ; lessee had recovered 5,06,613 T.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Insitu mining was proposed in Yanakandla and Pathapadu Block Dump handling was proposed in the Pathapadu block	In Yanakandla mine working was proposed between N8850-N10050, E 74550 -E13850 and workings are kept within the approved area. No Insitu working has been done in Pathapadu block. Only dump handling undertaken at Pathapadu Block.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yanakandla Block -No top soil in the Yanakandla Block Patapadu block - No top soil	Yanakandla block- entire mineralised zone is being worked. Patapadu - Only dump working is done.
2c	Stripping ratio or ore to OB ratio	No OB generation proposed.	1:0
2d	Quantity of topsoil generation in m3	NIL	NIL
2e	Quantity of overburden generation in m3	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	lessee was supposed to undertake insitu mining in the pathapadu block but the same has not been done. the dump working in Pathapadu block too has not been used to the full potential.	Due to the operation of the new mining leases NAndavaram Venkatapuram Mine and the My home Palkur Limestone Mine of the same lessee the desired production from this mine was not attained. however the it has made to understand that the quality of the pile from all the mines is mantained as 13% Silica which is the requirement of cement mafg.

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Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Insitu mining was proposed in Yanakandla and Pathapadu Block Dump handling was proposed in the Pathapadu block	INSitu working only done at one pit in yanakandla block only along with dump handling in pathapadu block in the year 2018-19.	The faces are being opened in pathapadu block after removal of dumps.
3b	Quantity of ROM mineral production proposed	2018-2019 Y=1500000T P=1019826 T P(dump)=180174 T	2018-19 Y-1770000T P-NIL T P(dump)-105000T	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	2018-19= NIL	2018-19= NIL	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not Applicable	
3f	Quantity of sub grade mineral generation.	2018-19= NIL	2018-19= NIL	
3g	Grade of sub grade mineral generation	No proposal	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Simultaneous blending is done.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable at present	

3j	Provision of drilling and blasting in mineral benches	blasting proposed using ANFO slurry combination with nonel initiating system	115mm dia drill machine is used, slurry explosive as base charge and ANFO as column charge with nonel initiating system on 8 m bench height.
3k	Provision of mining machineries in mineral benches	excavators of 2.5 and 1 cu m proposed along with tipper of 25Tcapacity	excavators of 2.5 and 1 cu m used along with tipper of 25Tcapacity
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	bench height of 8m proposed.	the boom height is sufficient for the bench height maintained.
3m	Total area covered under excavation/pits	57.77 hectare in Yanakandla and 25.9 hectare in Patapadu till 2020-21	43.980 ha. till 2018-19
3n	Ore to OB ratio for the pit/mine during the year.	no OB generation proposed	No OB generated in 2018-19. Hence not applicable
3o	Total area put in use under different heads at the end of year	122.8 ha till 2020-21	Land degradation as submitted in the returns till 2018-19 Under pit 43.980 ha. waste dump 2.050 hectare plant bldg, road etc- 3.880 hectare
3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 3.0 mT 2015-16 - 2.70 mT 2016-17 - 2.70 mT 2017-18- 2.7 mT 2018-19- 2.7 mT	2014-15 - 1.32 mT 2015-16 - 1.56 mT 2016-17 - 1.49 mT 2017-18-1.53 mT 2018-19- 1.87 mT

3q General remarks ---- -----  
of inspecting  
officers on  
method of mining  
etc.

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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)	Separate dumping of mineral reject proposed	mineral reject not generated in 2018-19	
4b	Location of topsoil, OB and mineral reject dumps	Dumping proposed in the exesting dump.	No mineral reject generated in 2018-19.	
4c	Number of dumps within lease area and outside of lease area	In yanakandla mine the waste dumping was proposed in the existing two dumps.	There are two main dumps in the lease area .	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	dumping was proposed outside UPL as per present conceptual plan	In the year 2018-19 no mineral reject was generated.	
4e	Number of active and alive dumps.	2	2	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	02 in Yanakandla	02 in Yanakandla block. No fresh dump is created in the Pathapadu block	old heaps of reject material are there in both the block of the leases.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal was there in 2018-19	not done	

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4i	Length of Retaining wall or garland drain all along dumps	No proposal in not made in 2018-19.	
4j	Number of settling ponds	No proposal	Not done

#### 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 for backfilling	In yanakandla block excavation has been done upto the pink limestone which is more siliceous and presently not useable for cement mfg. Yanakandla Mine has extended upto 240 mRL.	
5b	Area under backfilling of mined out area	No proposal	Not done accordingly	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Not done accordingly	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks 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).	To be submitted as per rule	Submitted on 29.06.2019	



6b	Area available for rehabilitation (ha) .	No proposal	Not done	
6c	afforestation done (ha).	No proposal for the worked out bench	Not done	
6d	No. of saplings planted during the year	No proposal for the worked out bench	Not done	
6e	Cumulative no .of plants	No proposal for the worked out bench	NIL on worked out bench	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal is there in the document	However the part of pit in Yanakandla is used as a water reservoir	the void is proposed to be used as a water reservoir in coneptual plan
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not done	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not done	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Part of the Yanakandla pit is being used as water reservoir.	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	---	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	500 saplings over 0.60 Ha.	250 saplings planted as replacement plantation.	violation being issued
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	500 saplings over 0.60 Ha.	Only 250 saplings planted and that too in the same area.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Carried out accordingly.	

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2519826 T from Opencast working 225 217T from dump handling	2018-19=177000 T from Opencast working and 10500 from dump working	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Not applicable. Only simultaneous blending done as per requirement.	
7c	Different grade of mineral sorted out at mines.	cement grade generation proposed	cement grade material produced and despatched.	
7d	Any beneficiation process at mines	no proposal	Not done	

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#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not applicable at present.	
8b	Concurrent use or storage of topsoil	No proposal	Not done.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	separate dumping of mineral reject proposed.	mineral reject not generated in 2018-19.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NoT done so far.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 over 0.45 ha in 2018-19	250 saplings planted.	It is reported that Cumulative 3780 saplings are surviving in 4.25 hectare area and same is shown in report on reclamation and rehabilitation.
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Poroposed	Done accordingly.	

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Oct 2019 A.R. submitted upto 2018-19	---
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- N Jayabharat Reddy Geologist- P Ganesh Narendra Reddy	Same as above
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	land degraded due to pit 43.980 ha. waste dump 2.050 hectare plant bldg, road etc- 3.880 hectare	as per submission
9d	Scrutiny of Annual return on afforestation	250 saplings reported .	Plantation not done as per proposal and is done as replacement plantation.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL reported	same as per record.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/B = 0 T, Prod-1875000T Desp 1875000T Closing balance = NIL	As reported 1770000 T (insitu) from Yanakandla and 105000 T (dump) from patapadu
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	CoP Rs 334 PMT Ex Mine price has been submitted as Rs 334 PMT	The Cost of Production is on a higher side. the breakup of the cost of production is required. letter being issued accordingly. Depreciation also need to be checked.
9h	Scrutiny of Annual return on fixed assets	data submitted	----

9k Scrutiny of data submitted as per submission  
Annual return on  
mining  
machineries

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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
MCDR17 Rule 11(1)	04/12/2019				
Rule 45(7)(i)(a)	04/12/2019				

**Date :**

(MANISH K MAINDIRATTA)

Indian Bureau of Mines