

**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 : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri Vasudevan Senior DGM(Mines)
Official with
Designation
- (iv) Date of Inspection : 10/03/2022
- (v) Prev.inspection date : 25/11/2019

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 : guruvureddy.b@myhomegroup.:
- Phone : 08515-200508
- (f) **Police Station** : BANAGANAPALLI
- (g) **First opening date** : 12/03/2012
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : YANAKANDAL VILLAGE & POST
BANAGANAPALLE MANDALAM
KURNOOL 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 Chandra Shekher Pandey
Srinagar, Yanakandla
village,
Mandal.Banaganapalli,Yanaka
ndla, Dist.Kurnool.A.P.
518124. KURNOOL ANDHRA
PRADESH
Phone:
FAX :

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

Mining Engineer

Name : P SANYASI NAIDU,Full Time
Qualification : BTECH (MINING)
Appointment/ : 12/11/2020
Termination date

Geologist

Name : GANESH NARENDRA REDDY,Full Time
Qualification : MSC GEOLOGY
Appointment/ : 21/09/2017
Termination date

Manager

Name : K.RAJENDER
Qualification : B TECH MINING
Appointment/ : 09/12/2020
Termination date

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
		MP modif under 17(3) MCR 2016	09/11/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no proposal for exploration during the year 2020-21.	No exploration was carried out during the year 2020-21.	The entire potentially mineralised area explored under G1 level.
1b	Exploration over lease area for geological axis 1 or 2	Nil	None	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	None	The entire potentially mineralised area explored under G1 level.
1e	Balance reserve as on 01/04/20	-----	42.46 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	There are no proposals for exploration by the lessee for the year 2020-21.	No exploration carried out by the lessee during the year 2020-21.	the entire potentially mineralised area explored under G1 level. The lease area is divided into three blocks i.e. Yanakandla, Pathapadu & Erragudi blocks. The subject area forms part of Narji limestone formation of Cuddapah super group.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	During the year 2020-21, it was proposed to develop the mine between the gridlines N198904 - 198434 and E-1700550 - 1699770.	During the inspection, it was noticed that the development is as proposed.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have benches in mineral only as there is no topsoil and overburden.	Benches in the mineral developed as proposed.	None
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	None	None	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	The mine developmet being carried out as proposed.	The benches being developed as proposed in the mineral as there is no topsoil and overburden encountered in the lease.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	None
3b	Quantity of ROM mineral production proposed	2.7 Million tonnes	1.07 Million tonnes	None

3c	Recovery of sailable/usable mineral from ROM production	it was proposed that the total ROM generated will be consumed in the cement plant of the lessee.	the entire ROM produced is consumed in the cement plant of the lessee	None
3d	Quantity of mineral reject generation	None	None	There is no proposal for generation of mineral reject.
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None
3f	Quantity of sub grade mineral generation.	None	None	There is no proposal for generation of sub-grade mineral
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	There is no proposal for segregation of the mineral	No segregation of mineral taken up.	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	It was proposed to carry out drilling and blasting in the mineral benches	The drilling being carried out by wagon drilling of 115 mm dia and ANFO being used in the blasting with a burden of 3.5 meters and spacing of 7.5 meters.	None
3k	Provision of mining machineries in mineral benches	It was proposed to excavate and transport the mineral by using the HEMM.	During the inspection it was noticed that excavation and transport of the mineral being done by HEMM.	None

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 8 meters.	During the inspection it was noticed that the height of the benches being maintained at 8 meters.	None
3m	Total area covered under excavation/pits	105.392 ha	59.532 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	-----	Area under mining - 59.532 ha Area under infrastructure - 5.582 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 2.7 Million tonnes 2017-18 - 2.7 Million tonnes 2018-19 - 2.7 million tonnes 2019-20 - 2.7 million tonnes 2020-21 - 2.7 million tonnes	2016-17 - 1.49 Million tonnes 2017-18 - 1.53 Million tonnes 2018-19 - 1.87 million tonnes 2019-20 - 1.50 million tonnes 2020-21 - 1.08 million tonnes	There is no deviation in the quantity produced and proposed.
3q	General remarks of inspecting officers on method of mining etc.	----	The mine development and production being carried out as proposed.	There is no excess production done by the lessee.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It was proposed to maintain two dumps.	Two dumps were observed during the inspection.	None
4b	Location of topsoil, OB and mineral reject dumps	Two dumps proposed outside the UPL.	Two dumps noticed were outside the UPL.	None
4c	Number of dumps within lease area and outside of lease area	Two dumps within the lease area	Two dumps within the lease area.	None

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Two dumps outside the UPL	Two dumps outside the UPL	None
4e	Number of active and alive dumps.	One	One	None
4f	Number of dead dumps.	One	One	None
4g	Number of dumps established.	One	One	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	yes retaining wall erected around the dump.	None
4i	Length of Retaining wall or garland drain all along dumps	There is no proposal for retaining wall along dump during the year 2020-21	During the inspection it was observed that a retaining wall was erected all along the passive dump with dimensions of 70x2206 meters. Also a bund was constructed all along the active dump.	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	The lessee has established one passive dump and one active dump.

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.	None	None	None
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None

5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	No area matures for reclamation till date.

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).	-----	The Annual report on PMCP submitted by the lessee in time.	None
6b	Area available for rehabilitation (ha) .	It was proposed to plant over and extent of 0.50 ha duirng the year 2020-21.	About 0.50 ha was afforested duirng the year 2020-21.	None
6c	afforestation done (ha).	0.50 ha	0.50 ha	none
6d	No. of saplings planted during the year	500 no.s	500 no.s	None
6e	Cumulative no .of plants	---	2486 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	The lessee has reported that about Rs.4,50,000/- was incurred towards watch and ward for the year 2020-21.	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	None
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring in both core and buffer zones.	During the inspection it was confirmed that quarterly monitoring of the parameters being carried out in both core and buffer zone regularly by the lessee	The parameters are within the permissible limits.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	The over all measures proposed by the lessee for PMCP are implemented.	All the protective measures proposed for implementing PMCP proposals are implemented by the lessee for the year 2020-21.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for grade wise sorting made by the lessee.	No grade wise sorting noticed duirng the inspection	The entire ROM being dispatched to cement plant of lessee.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	No beneficiation proposed at mines.	No beneficiation being carried out at mines	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	It was proposed by the lessee to utilise the entire ROM in the cement plant of the lessee.	the entire ROM consumed in the cement plant of lessee	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	There is no generation of topsoil in the lease.
8b	Concurrent use or storage of topsoil	None	None	None

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dumps proposed for rejects.	seperate dumps for rejects noticed in the lease.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	except for plantation n other activity was proposed.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Except few bushes and plantation made by the lessee no other vegetation noticed in the lease.	None
8g	Survival rate	90%	75%	None
8h	Water sprinkling on roads to control airborne dust	it was proposed to control the dust by water sprinkling by water tankers.	Duirng the inspection it was noticed that dust suppression measures like water sprinkling were taken up by the lessee.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	The aesthetic beauty of the mine can be termed average and it needs improvement.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The Monthly and Annual returns submitted by the lessee in time.	None

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2020-21, Sri Sanyasi Naidu and Sri Ganesh Narendra reddy are employed as Mining Engineer and geologist.	the same was confirmed during the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area covered under pits was 59.532 ha	During the inspection the same was confirmed.	None
9d	Scrutiny of Annual return on afforestation	500 no.s	The same was confirmed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The ROM reported during the year 2020-21 was 0.108 Million tonnes	the same was confirmed during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	the ex-mine price reported in the annual return 2020-21 was Rs. 194.06/- per tonne	The same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	the value of fixed assets reported in the annual return 2020-21 was Rs.1.69 crores.	The same was not verified.	None

9k	Scrutiny of Annual return on mining machineries	The details of the mining machinery reported in the annual return 2020-21 are as given below: 1. Back Hoe - 4 no.s 2. Tippers - 15 no.s 3. Dozer - 1 no. 4. Water tanker - 1 no. 5. Wagon drill - 1 no. 6. Explosive van - 1 7. Tractor - 1	The same were noticed during the inspection.	None
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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 :

(**SHAIENDRA KUMAR**)

Indian Bureau of Mines