

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-218/HYD

Mine code : 38APR11186

- (i) Name of the Inspecting : S11) SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri M Narayan Reddy Mines Manager
Official with
Designation
- (iv) Date of Inspection : 11/03/2022
- (v) Prev.inspection date : 26/11/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : PALKUR(149.392 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 : PALKUR
- Taluka : BANAGANAPALLE
- Post office : PALKUR
- Pin Code : 518 17
- FAX No. :
- E-mail : guruvureddy.b@myhomegroup.:
- Phone : 04066929696
- (f) **Police Station** : BANGANAPALLI
- (g) **First opening date** : 15/03/2018
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s Sree Jayajothi Cements Pvt. Limited
Yanakandla Vilage,Banganapalli Mandal
Kurnool district - 518124
3. (a) **Lease Number** :
- (b) **Lease area** : 140 302 ha
- (c) **Period of lease** :
- (d) **Date of Expiry** : 50 years
- 01.01.2067**
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

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

Owner : CHANDRASEKHAR PANDEY
 M/s My Home Industries Pvt.
 Limited Madhapur, My Home
 Hub Hyderabad-500081
 NALGONDA ANDHRA PRADESH
 Phone: 40-6629797
 FAX :

Agent : Sri B.C.Gurivi Reddy
 M/s Sree Jayajothi Cements
 Pvt.Ltd Sri
 Nagar, Yanakandla(v),
 Mandal: Banaganapalle, Dist: K
 urnool. KURNOOL ANDHRA
 PRADESH
 Phone: 7660013042 (Mobile.No.)
 FAX :

Mining Engineer
 Name : M venkata Suman Kumar Reddy, Full Time
 Qualification : B Tech (Mining)
 Appointment/ : 15/03/2018
 Termination date

Geologist
 Name : Sri R Guru Bhasker, Full Time
 Qualification : Msc geology
 Appointment/ : 27/01/2020
 Termination date

Manager
 Name : M Narayan reddy
 Qualification : B tech Mining)
 Appointment/ : 26/10/2020
 Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 04/09/2015
 Plan/Scheme of Mining : MP review under 17(1) MCR 2016 24/11/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	18 No.s proposed during the year 2020-21	Carried out the exploration as proposed.	There is no deviation in the proposed exploration programme.
1b	Exploration over lease area for geological axis 1 or 2	67.75 ha	67.75 ha	Total Potential mineralised zone explored in the lease.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	The lessee reported that an expenditure of rs.117.05 lakh incurred towards exploration.	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	----	9.67 Million tones	None
1f	General remarks of inspecting officers on geology, exploration etc	---	The lessee has carried out the proposed exploration during the year 2020-21.	The lease are has rugged topography.It falls under narji limestone formation under Kurnool sub-basin of Cuddapah super group. The entire potentially mineralised area explored under G1 level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop the mine in 2020-21 within the gridlines E5377 to E5460 and N 14280 to N14111.	The mine development being carried out as proposed.	None

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to develop benches only in mineral as there is no topsoil and overburden.	The benches being developed as proposed.	None
2c	Stripping ratio or ore to OB ratio	Nil	Nil	None
2d	Quantity of topsoil generation in m3	Nil	Nil	None
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	The mine development being carried out as proposed.	The mine development being carried out as proposed. There is no deviation.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to work in two pits.	However, working done only in one pit.	Lessee informed that due lack of demand, working carried out only in one pit.
3b	Quantity of ROM mineral production proposed	0.4 Million tonnes duirng the year 2020-21.	0.28 Million tonnes reported duirng the year 2020-21.	There is no excess production more than the proposed quantity.
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to utilise the entire ROM in the cement plant of the lessee.	The entire ROM being utilised in the cement plant of the lessee.	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None

3f	Quantity of sub grade mineral generation.	0.26 Million tonnes	0.19 Million tonnes.	None
3g	Grade of sub grade mineral generation	Cao - 45.20% Sio2 - 15.91%	Cao - 45.20% Sio2 - 15.91%	None
3h	Manual / Mechanised method adopted for segregating from ROM	No such practise of segregation from ROM proposed.	There is no seggregation from ROM	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 deep hole drilling and blasting in the mineral benches.	Duirng the inspection it was observed that drilling with 115 mm dia and blasting with slurry explosive with ANFO being used.	None
3k	Provision of mining machineries in mineral benches	It was proposed to load and transport the mineral from benches by uisng HEMM.	The same was noticed duirng the inspection.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain aight of 8 meters.	the bench height being maintained at 8 meters.	None
3m	Total area covered under excavation/pits	15.181 ha	8.376 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 - 8.376 ha Area under waste disposal - 14.527 ha Area under Infrastructure - 3.040 ha	None

3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 0.40 Million tonnes 2017-18 - 0.40 million tonnes 2018-19 - 0.40 million tonnes 2019-20 - 0.40 million tonnes 2020-21 - 0.40 million tonnes	2016-17 - Nil 2017-18 - 0.005 million tonnes 2018-19 - 0.36 million tonnes 2019-20 - 0.38 million tonnes 2020-21 -0.28 million tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	---	The over all development and production is being carried out as proposed.	There is no excess production of the mineral more than the proposed quantity.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	None	None	None
4b	Location of topsoil, OB and mineral reject dumps	The old dump being maintained on Suth Eastern side of the lease.	The dump is situated in the SE side of the lease.	None
4c	Number of dumps within lease area and outside of lease area	One inside ML	One inside ML	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	One dump proposed to be outside the UPL.	One dump outside the UPL.	None
4e	Number of active and alive dumps.	One old dump.	One old dump.	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,a retaining wall with dimensions of 210x35x5 meters	The same was observed duirng the inspection.	None

4i	Length of Retaining wall or garland drain all along dumps	210x35x5 meters	The same was observed during the inspection.	
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	One old dump being maintained on SE side of the lease.	One old dump on the SE side of the lease was observed.	There are no dumps outside the lease.

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 matured for reclamation.

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).	It was proposed to submit the annual report on PMCP regularly to this office.	The annual report submitted to this office in time.	None

6b	Area available for rehabilitation (ha) .	It was proposed to plant about 750 saplings over an extent of 0.50 ha duirng the year 2020-21.	Duirng the year about 750 saplings were planted over an extent of 0.50 ha	None
6c	afforestation done (ha).	0.50 ha	0.50 ha	None
6d	No. of saplings planted during the year	750 no.s	750 no.s	None
6e	Cumulative no .of plants	---	3936 no.s	None
6f	Any other method of rehabilitation	None	None	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 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.	Quarterly monitoring being carried out regularly in both core and buffer zones and the parameters are within the permissible limits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	the lessee implemented all the measures pertaining to PMCP during the year 2020-21.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposed in the lease.	The entire ROM consumed in the cement plant of the lessee.	None
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	None	None	None

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	No sorting or beneficiation proposed by the lessee. The entire ROM being consumed in the cement plant of the lessee.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One old dump on SE side.	On old dump on SE side noticed.	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	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Except for 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 suppress the dust by way of water sprinkling,	The same was noticed during the inspection.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	The lessee has carried out the plantation as proposed.	The over all aesthetic beauty of the lease can be termed average and 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 return submitted by the lessee regularly in time.	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the annual return 2020-21, Sri D venkata Suman Kumar Reddy and Sri R Guru Bhasker are employed as Mining Engineer and geologist.	The same was noticed during the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The land use pattern for area under pits, dumps etc as per annual return 2020-21 is as given below: Area under Mining: 8.376 ha Area under Dumps: 14.527 ha Area under infrastructure : 3.040 ha	The same was noticed during the inspection	None
9d	Scrutiny of Annual return on afforestation	750 no.s	750 no.s observed 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	0.28 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.190.91 per tonne	the same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported was Rs.24 Lakhs.	The same was confirmed during the inspection.	None
9k	Scrutiny of Annual return on mining machineries	The list of Mining machineries reported as per annual return 2020-21 is as under: 1. Two Back hoe 2. One wagon drill 3. Twenty tippers 4. One compressor 5. One water tanker 6. One Tractor 7. One Pump.	The same was confirmed during the inspection.	None

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