

DGA

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-217/HYD

Mine code : 38APR11194

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri E. Vasudevan, Sr. D.G.M (Mines) & M. Ujjinappa,
Official with
Designation
- (iv) Date of Inspection : 21-SEP-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANDAVARAM-VENKATA MINE**
- (b) **Registration NO.** : **12134/2012**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **KURNOOL**
- Village : **NANDAVARAM & VENKATA**
- Taluka : **BANAGANAPALLI**
- Post office : **NANDAVARAM**
- Pin Code : **518124**
- FAX No. : **04023118000**
- E-mail : **crp.sjcpl@jothicement.com**
- Phone : **04066929696**
- (f) **Police Station** : **BANAGANAPALLY**
- (g) **First opening date** : **10-OCT-18**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/s. Sree Jayajothi Cements Pvt Ltd,**
Sri NAGAR, Yanakandla (v),
Mandal: Banaganapalle, Dist.Kurnool.- 518124.
3. (a) **Lease Number** :
- (b) **Lease area** : **24.739 ha**
- (c) **Period of lease** : **50 yrs.**
- (d) **Date of Expiry** : **27/09/2068**
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 : 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.Ujjinappa, Full Time

Qualification : B.E. (Mining)

Appointment/ : 10-OCT-18

Termination date

Geologist

Name : P GANESH NARENDRA REDDY, Full Time

Qualification : MSC GEOLOGY

Appointment/ : 10-OCT-18

Termination date

Manager

Name : M.Ujjinappa

Qualification : B.E. (Mining)

Appointment/ : 10-OCT-18

Termination date

6. Date of approval of Mining	:	MP under 16(1) of MCR 2016	13-MAR-18
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	18-DEC-18
	:	MP modif under 17(3) MCR 2016	13-DEC-21

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	4 pits proposed during the year 2021-22.	4 pits have been carried out to brought area under G1/G2 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Rs. 83000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire mineralised area explored under G1 level.	Entire mineralised area explored under G1 level.	
1e	Balance reserve as on 01/04/20	As per the approved document dated 13.12.2021, the Limestone reserves are 0.534 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2022 are limestone: 0.434 mil.t.	
1f	General remarks of inspecting officers on geology, exploration etc		The Nandavaram-Venkatapuram Limestone Block forms a part of Proterozoic Kurnool basin belonging to Narji Limestone formation of Kurnool Group.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-2 and Pit-3 are proposed for development during the year 2021-22.	development is being carried out in Pit2 and Pit-3.	

- 2b Separate benches in topsoil, overburden and minerals (Rule 15) top soil is propsoed to be removed by scrapping and No OB generation is envisaged. benches in mineral are proposed. top soil is scrapped seperately. benches in mineral are produced.
- 2c Stripping ratio or ore to OB ratio Not applicable Nil No OB/waste generation is envisaged.
- 2d Quantity of topsoil generation in m3 36691 cu.m. during the year 2021-22. 29704 cu.m.
- 2e Quantity of overburden generation in m3 No proposal. Nil
- 2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc development is carried out by opencast mining method as proposed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two	two	
3b	Quantity of ROM mineral production proposed	300000 t during the year 2021-22.	300000 t	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal.	Nil	

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	Mechanised.	Mechanised.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil
3j	Provision of drilling and blasting in mineral benches	drilling and blasting is not envisaged.	Nil
3k	Provision of mining machineries in mineral benches	excavator and dumper combination is proposed for excavation.	excavator and dumper combination is deployed for excavation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 m	maintained.
3m	Total area covered under excavation/pits	10.762 ha	10.59 ha
3n	Ore to OB ratio for the pit/mine during the year.	Not applicable	Nil

3o	Total area put in use under different heads at the end of year	12.898 ha	12.583 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 0.30 mil.t 2019-20 - 0.30 mil.t 2020-21- 0.30 mil.t 2021-22 - 0.30 mil.t	2018-19 - 0.30 mil.t 2019-20 - 0.22 mil.t 2020-21- 0.23 mil.t 2021-22 - 0.30 mil.t
3q	General remarks of inspecting officers on method of mining etc.		production is carried out from two pits by opencast mining method as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed for top soil, no OB generation is envisaged.	carried out	
4b	Location of topsoil, OB and mineral reject dumps	Top soil Dump was proposed at location N1700484 - 1700407 to E 205844 - E 205851	carried out	
4c	Number of dumps within lease area and outside of lease area	No proposal.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Nil	
4e	Number of active and alive dumps.	No proposal.	Nil	
4f	Number of dead dumps.	No proposal.	Nil	

4g	Number of dumps established.	No proposal.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal.	Nil
4j	Number of settling ponds	No proposal.	Nil
4k	Specific comments of inspecting officer on waste dump management		No OB/waste generation is envisaged.

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.	backfilling is proposed after full extraction of mineral from mined out area.	carried out.	
5b	Area under backfilling of mined out area	0.38 ha	0.19 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed.	carried out	
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		backfilling is carried out in the area where full mineral extraction has been carried out.	

Progressive Mine Clouster Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PMCP report to submitted. submitted before 1 st July.		
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	0.38 ha during the year 2021-22.	0.497 ha	
6d	No. of saplings planted during the year	320 nos	747 nos	
6e	Cumulative no .of plants	1180 nos	1651 nos	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs. 132867	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.38 ha	0.19 ha	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.38 ha	0.19 ha	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	0.38 ha	0.497 ha	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil
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)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out.	entire ROM (Limestone) of cement grade is used in the captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	
7d	Any beneficiation process at mines	No proposal.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		entire ROM (limestone) of cement grade is used at captive plant.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out.	
8b	Concurrent use or storage of topsoil	proposed.	carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Nil	top soil is only being utilised.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed.	carried out.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	320 nos	747 nos	
8g	Survival rate		70%	
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.		carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017	submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Graduate Mining Engineer 1, Diploma Mining Engineer 1, Geologist 1	found to be in order.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings 10.590 ha, Occupied by plant, buildings, residential, welfare buildings & roads 0.238 ha, etc.,	found to be in order.	
9d	Scrutiny of Annual return on afforestation	747 nos	found to be in order.	
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	ROM closing stock is Nil	found to be in order.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine price is Rs. 163.29	Ex-Mine price furnished in the annual return submitted for the year 2021-22 is not matching with the derived weighted average of the Ex-mine prices furnished in Monthly returns for the year 2021-22.	advised the lessee to rectify the issue.
9h	Scrutiny of Annual return on fixed assets	Rs. 28057960	Rs. 28057960	
9k	Scrutiny of Annual return on mining machineries	BACK HOE 1.000 CUM 1, TIPPER 10.000 CUM 6, DOZER 55.000 HP 1	found to be in order.	

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

no violation.

R. Ramkishan R

(RAMKISHAN R)

Date : *11/4/22*

Indian Bureau of Mines

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