

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/NLG/LST-8/HYD

**Mine code :** 38APR14022

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.Subramanyam, Chief General Manager(Mines), Sri. Md  
Official with  
Designation
- (iv) Date of Inspection : 10/02/2021
- (v) Prev.inspection date : 09/01/2019

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SAGAR CEMENTS LST MINE 2**
- (b) **Registration NO.** : **IBM/825/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : **TELANGANA**  
District : **NALGONDA**  
Village : **PEDAVEEDU**  
Taluka : **HAZUR NAGAR**  
Post office : **MATTAMPALLI**  
Pin Code : **508225**  
FAX No. : **040-23356573**  
E-mail : **info@sagarcements.in**  
Phone : **08683246533**
- (f) Police Station : **MATTAMPALLY**
- (g) First opening date : **01/05/1986**
- (h) Weekly day of rest : **SUN**
2. Address for : **PEDDAVEEDU VILLAGE**  
correspondance : **MATTAMPALLY MANDAL**  
**NALGONDA DISTRICT-508225**
3. (a) Lease Number : **APR0063**
- (b) Lease area : **143.72**
- (c) Period of lease : **50**
- (d) Date of Expiry : **30/10/2035**
4. Mineral worked : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : M/S SAGAR CEMENTS LTD  
 H.NO.8-2-472/B/2 ROAD NO.1  
 BANJARA HILLS HYDERABAD  
 TELANGANA  
 Phone:040-3351571,0403356572  
 FAX :

Owner : S.ANANDA REDDY  
 H.NO.8-2-472/B/2,ROAD NO.1  
 BANJARA HILLS HYDERABAD  
 HYDERABAD TELANGANA  
 Phone: 04023351571  
 FAX : 04023356573

Agent : P.VASUDEVA REDDY  
 SAGACEMENTS LTD,  
 MATTAMPALLY PO & MANDAL  
 NALGONDA DISTRICT NALGONDA  
 TELANGANA  
 Phone: 08683247015  
 FAX : 08683247039

## Mining Engineer

Name : M.BASKAR REDDY,Full Time  
 Qualification : BE(MINING)  
 Appointment/ :  
 Termination date

## Geologist

Name : N.SIVA NAGA RAJU,Full Time  
 Qualification : M.SC (GEOLOGY)  
 Appointment/ :  
 Termination date

## Manager

Name : V.YUGANDHAR REDDY  
 Qualification : BE(MINING)  
 Appointment/ :  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	18/08/2003
		Modif.of approved Mining Plan	28/08/2006
		Mining Scheme rule 12 MCDR1988	15/02/2012
		Mining Scheme rule 12 MCDR1988	03/06/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-----	Entire area is covered under G1 level of exploration. Mineralised area - 141.0 Ha Non-mineralised area - 2.72 Ha	
1e	Balance reserve as on 01/04/20	----	Proved reserves as on 01/04/2020 - 54.10 million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area has been explored under G1 level.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N116 N618 E1387 E1324 N457 N216 E1257 E1040	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil and OB benches proposed. Mineral benches proposed to work in 2019-20.	Mineral benches developed.	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	

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			No OB is generated in the mining area.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2019-20 - 350000 Te	2019-20 - 324883 Te	
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.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	
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 proposed in mineral benches	Drilling and Blasting is being carried out by Wagon Drill of 115 mmdia drill, maintaining Spacing of 4 meters and Burden of 4 meters. The depth of hole is 4.4 meters
3k	Provision of mining machineries in mineral benches	Proposed to use HEMM in mineral benches for excavating and transporting of limestone.	Hydraulic shovel and back hoe for excavation and dumpers for transporting limestone.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to maintain the bench height of 5 meters	Digging height of the excavator is compatible for proposed bench height fo 5m.
3m	Total area covered under excavation/pits	19.86 Ha	15.106 Ha
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil
3o	Total area put in use under different heads at the end of year	Pit- 19.86 ha Infrastructure - 1.0 ha Road :2.0 ha Plantation : 2.5 ha	Pit- 15.106 ha Infrastructure - 1.0 ha Road :3.5 ha Plantation : 0.6 ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15- 351025 Te 2015-16- 351875 Te 2016-17-351750 Te 2017-18- 351025 Te 2018-19- 351175 Te 2019-20 - 350000 Te	2014-15-330000 Te 2015-16- 284000 Te 2016-17-243000 Te 2017-18- 292000 Te 2018-19- 349000 Te 2019-20- 324883 Te

3q	General remarks of inspecting officers on method of mining etc.	Mining operations not in progress due to no valid mining plan. Show cause notice issued for no valid mining plan from 01-04-2020.
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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)	No proposal, as ther is no top soil and overburden in the proposed area.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Nil	
4c	Number of dumps within lease area and outside of lease area	None	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			Top soil generated is utilised for plantation. No OB/waste generated in the mining area. Hence no waste dumps proposed and developed in the lease area.
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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	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start backfilling.

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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).	To be submitted as per rule.	Submitted in time.	

6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha).	2019-20 -0.5 Ha	2019-20 - 0.60 Ha
6d	No. of saplings planted during the year	2019-20 - 500 Nos.	2019-20 - 570 Nos.
6e	Cumulative no .of plants	No proposal	8362 Nos.
6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	No proposal	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	Nil
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)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2019-20 and all the parameters are within the permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2019-20 - 350000 Te	2019-20 - 350000 Te	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal in 2019-20.	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
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	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500 Nos. saplings over 0.5 Ha in the year 2019-20.	570 Nos. saplings over 0.6 Ha in the year 2019-20.	
8g	Survival rate	95 %	86 %	

8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water tanker is provided for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Green belt is well developed within the lease area on all along the lease boundary to improve the aesthetic beauty. plantation is started along the safety zone of Nala which will additionally improve the 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	Monthly and Annual Returns are to be submitted in time.	Submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri.V.V.Krishna Reddy Mining Engineer - Sri. M.Bhaskar Reddy Geologist - Sri.N. Siva Nagaraju	Manager and Geologist are appointed. Mining Engineer has resigned. Lessee has informed that new Mining Engineer is appointed and will be joining within 10days.	Advised to submit Form-H, Notice of appointment of Mining Engineer.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under excavation : 14.7 Ha, Road/ infrastructure : 1.0 Ha, Green belt : 0.5 Ha	Same as submitted	
9d	Scrutiny of Annual return on afforestation	570 Nos.	Broadly as submission and same quantity is verified in afforestation register maintained.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generated in the mine.	
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	Ex-mine value is Rs.292.85/-	1. Total overhead cost and total depreciation cost is not matching in cost per tonne calculation. 2. The details of DMF and NMET is not mentioned in the cost per tonne calculation.	Annual returns has been referred back to the lessee by MMS division for rectification.
9h	Scrutiny of Annual return on fixed assets	Rs.663573086/-	-----	
9k	Scrutiny of Annual return on mining machineries	Back hoe- (1.2 cum) - 1, Tipper (8.0 cum)-7 , Rock Drill- 115 mm-1	Back hoe- (1.2 cum) - 1, Tipper (8.0 cum)-7 , Rock Drill- 115 mm-1	

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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 :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines