

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

**MCDR inspection REPORT**

**Hyderabad regional office**

Mine file No : AP/NLG/LST-5/HYD

Mine code : 38APR14007

- (i) Name of the Inspecting : CS10 ) Ch.Suseela  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri.V.Subramanyam, Sr.General Manager(Mines) & Sri. M  
Official with  
Designation
- (iv) Date of Inspection : 25-MAY-23
- (v) Prev.inspection date : 09-JUL-21

**PART-I : GENERAL INFORMATION**

1. (a) Mine Name : SAGAR - I
- (b) Registration NO. : IBM/825/2011
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : TELANGANA  
District : NALGONDA  
Village : PEDAVEEDU  
Taluka : HUZURNAGAR  
Post office : METTAMPALLY  
Pin Code : 508225  
FAX No. : 08683-247029  
E-mail : SUBRAMANYAMV@SAGARCEMENTS..  
Phone : 040316571/316572,08683-670
- (f) Police Station : MATTAMPALLY
- (g) First opening date : 18-AUG-84
- (h) Weekly day of rest : SUN
2. Address for : PEDDAVEEDU VILLAGE, MATTAMPALLY MANDAL,  
correspondance SURYAPET DISTRICT  
TELANGANA STATE
3. (a) Lease Number : APR0067
- (b) Lease area : 143.67
- (c) Period of lease : 20
- (d) Date of Expiry : 17.8.2034
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 : SAMMETA VEERA REDDY  
 H.NO.8-2-472/B/2 ROAD NO 1  
 BANJARAHILLS HYDERABAD  
 TELANGANA  
 Phone: 04023351571  
 FAX : 04023356573

Agent : N.KRISHNA REDDY  
 M/S SAGAR CEMENTS LTD  
 MATTAMPALLY VILLAGE &  
 MANDAL NALGONDA TELANGANA  
 Phone: 08683247029  
 FAX : 08683247041

## Mining Engineer

Name : P MANOJ KUMAR REDDY, Full Time  
 Qualification :  
 Appointment/ : 27-JAN-11  
 Termination date

## Geologist

Name : MD.NAYEEM, Full Time  
 Qualification : M.SC(GEO)  
 Appointment/ : 24-DEC-07  
 Termination date

## Manager

Name : V.SUBRAHMANYAM  
 Qualification : DIPLOMA IN MINING & FIRSTCLASS MINES MAN  
 Appointment/ : 02-MAR-05  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	17-JAN-01
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	07-DEC-03
	:	Renewal under rule 22 MCR1960	26-MAR-04
	:	Modif.of approved Mining Plan	12-SEP-08
	:	Modif.of approved Mining Plan	03-AUG-10
	:	Mining Scheme rule 12 MCDR1988	23-MAY-14
	:	MP review under 17(1) MCR 2016	21-MAR-18
	:	MP modif under 17(3) MCR 2016	14-MAR-22
	:	MP review under 17(1) MCR 2016	14-DEC-22

## 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	9 Core Holes (Infill) were drilled with a meterage of 365 Mtrs	In fill Core Bore holes drilled against the proposals made in the AMP for the FY 2023-24
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Rs.7,20,875/-	In fill Core Bore holes drilled against the proposals made for the FY 2023-24
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Entire area has been explored under G1 Category	
1e	Balance reserve as on 01/04/20	116.460 Million Tons	116.46 Million Tons	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	The ML area forms part of the Palnad Sub Basin within the Kadapa Basin comprising of thick pile of Sedimentary rocks of Proterozoic era. The Litho units belongs to Narji formation of Kurnool group. Total mineralised area has been explored under G1 scale

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	1st, 2nd , 3rd & 4th benches of Pit - 1 & 1st bench of Pit - 2	1st, 2nd , 3rd & 4th benches of Pit - 1 & 1st bench of Pit - 2	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed 1 bench in top soil and no overburden benches	Top soil removed as proposal made in the approved MMP	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	10500 m3	10500 m3	
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	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	2 pits	Production was achieved from 2 Pits	
3b	Quantity of ROM mineral production proposed	31,00,175 Tons	26,60,000 Tons	
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	Entire ROM is being dispatched
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NIL	Entire ROM is being dispatched
3j	Provision of drilling and blasting in mineral benches	Yes, Deep Hole Drilling and Blasting is proposed in mineral benches	As proposed in the approved MMP	Drilling machinery was deployed as per the HEMM permission
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	Yes, 8-9 m bench ht is proposed	8-9 m bench ht is maintained as proposed	
3m	Total area covered under excavation/pits	128.026 Ha	125.774 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	195.28 Ha.	192.968 Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19--2.16 Mill. Tonnes, 2019-20--2.23 Mill. Tonnes, 2020-21--2.32 Mill. Tonnes, 2021-22--2.897 Mill. Tonnes, 2022-23--3.1 Mill. Tonnes	2018-19--2.168 Mill. Tonnes, 2019-20--1.65 Mill. Tonnes, 2020-21--2.31 Mill. Tonnes, 2021-22--2.525 Mill. Tonnes, 2022-23--2.66 Mill. Tonnes	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The mining operations are being carried out by open cast mechanised method by deploying HEMM

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed one bench in top soil . No proposal for OB and mineral reject.	Top soil removed as per the proposals	
4b	Location of topsoil, OB and mineral reject dumps	No top soil storage proposed for the FY 2022-23	Top soil removed was used for plantation concurrently.	No proposals were made for stacking dumping of BC Soil, Mineral Reject for the FY 2022-23. Top soi generated is bein consumed concurrently for plantation.
4c	Number of dumps within lease area and outside of lease area	No Proposal	Two old sub grade dumps within the lease area	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
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 proposals in the year 2022-23	NIL	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	About 400 mtrs retaining wall was constructed along the dump	
4j	Number of settling ponds	No proposal	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	No waste is being generated, hence management of waste dump does not arise

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	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 Proposals	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.

Area is not yet matured for backfilling and reclamation.

### Progressive Mine Clousre Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual Report on PMCP is to be submitted for the F.Y.2022-23 before 1.7. 2023	Not due. However, Annual Report on PMCP has been submitted for the F.Y.2021-22 within the time limit	
6b	Area available for rehabilitation (ha) .	No proposal	NIL	
6c	afforestation done (ha).	No proposal	NIL	
6d	No. of saplings planted during the year	No proposal	NIL	
6e	Cumulative no .of plants	No proposal	NIL	
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	2500 plants to be planted	2510 plants were planted covering an area of 1.0 ha during the year 2022-23. A cumulative of 150411 plants were planted within ML and 330290 plants were planted outside ML.
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 monitoring of environmental parameters in core and buffer zone is proposed	Quarterly monitoring of environmental parameters in core and buffer zone was carried out and the results are within the prescribed limits.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	PMCP measures are being carried out as per the proposals made in the approved mining plan.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	NIL	Entire ROM is being fed to the crusher
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	_____	_____	Entire ROM is being fed to the crusher. Hence, no beneficiation is required.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	There is a proposal of removal of top soil	Top soil is being removed and used for plantation simultaneously	
8b	Concurrent use or storage of topsoil	There is a proposal of concurrent use of top soil for plantation	As proposed, the top soil is used for plantation simultaneously.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	NIL	No OB and waste is generated.
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)	2500 plants are proposed to be planted during the FY 2022-23	2510 plants are planted covering an area of 1.0 ha during the FY 2022-23. A cumulative of 150411 Plants were planted over an area of 76.97 Ha within ML and 330290 Plants were planted in an area of 131.998 Ha in outside ML.	
8g	Survival rate	86%	80%	
8h	Water sprinkling on roads to control airborne dust	Continuous water sprinkling on haul roads is proposed	Water being sprinkled on roads by tankers	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The lessee has done the complimentary afforestation within and outside ML area which enhances the aesthetic beauty in and around the mines.
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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 Returns submitted up to April,2023 Annual Returns submitted up to FY 2021-22 Annual Return for the FY 2022-23 is to be submitted before 1 st July,2023	Monthly Returns submitted up to April,2023 Annual Returns submitted up to FY 2021-22 Annual Return for the FY 2022-23 is to be submitted before 1 st July,2023	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-- Sri M.Bhaskar Reddy, Geologist-- Md.Nayeem, Manager--Sri. V.Subramanyam	Mining Engineer-- Sri M.Bhaskar Reddy, Geologist--Md.Nayeem, Manager--Sri. V.Subramanyam	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits--121.393 HA, Dumps-- 2.45 ha, Reclaimed area-- NIL	Area under pits--121.393 HA, Dumps--2.45 ha, Reclaimed area-- NIL	
9d	Scrutiny of Annual return on afforestation	2500 plants	2500 plants	

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	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.Mine Price- Rs.213.40/- CoP- Rs.213.40/-	Ex.Mine Price- Rs.213.40/- CoP- Rs.213.40/-
9h	Scrutiny of Annual return on fixed assets	Rs. 370873178/-	Rs. 370873178/-
9k	Scrutiny of Annual return on mining machineries	SHOVEL-3, WHEEL LOADER- 1, AIR COMPRESSOR- 2, BLAST HOST DRILL- 1, DUMPER- 5, WATER TANKER-2	SHOVEL-3, WHEEL LOADER- 1, AIR COMPRESSOR- 2, BLAST HOST DRILL- 1, DUMPER-5, WATER TANKER- 2

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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 : 9.6.2023

*Ch. Suseela*  
(Ch. Suseela)

Indian Bureau of Mines