

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

**Mining Plan Modification REPORT**

**Hyderabad regional office**

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

**Mine code :** 38APR14007

- (i) Name of the Inspecting : **RK13** ) **A.V.Ramesh Kumar**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Md. Nayeem Qualified person & Geologist  
Official with  
Designation
- (iv) Date of Inspection : 20/02/2022
- (v) Prev.inspection date :

**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 : **18/08/1984**
- (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 : **326.58 ha**
- (c) Period of lease : **20**
- (d) Date of Expiry :
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/ : 27/01/2011  
 Termination date

## Geologist

Name : MD.NAYEEM,Full Time  
 Qualification : M.SC(GEO)  
 Appointment/ : 24/12/2007  
 Termination date

## Manager

Name : V.SUBRAHMANYAM  
 Qualification : DIPLOMA IN MINING & FIRSTCLASS MINES MAN  
 Appointment/ : 02/03/2005  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	17/01/2001
		Modif.of approved Mining Plan	07/12/2003
		Renewal under rule 22 MCR1960	26/03/2004
		Modif.of approved Mining Plan	12/09/2008
		Modif.of approved Mining Plan	03/08/2010
		Mining Scheme rule 12 MCDR1988	23/05/2014
		MP review under 17(1) MCR 2016	21/03/2018

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal for exploration during the year 2020-21.	No exploration carried out during the year 2020-21	There is no backlog of exploration programme.
1b	Exploration over lease area for geological axis 1 or 2	-----	The netire potentially mineralised area explored under G1 level.	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	No proposals	None	The entire potentially mineralised zone explored under G1 level.
1e	Balance reserve as on 01/04/20	---	The reserves as on 61.957 Million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	The entire potentially mineralised zone 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 advance the existing benches in pit no.1 towards North & Eastern side.	The development was carried out as proposed.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in topsoil, overburden & mineral.	Benches developed as proposed with a height of 9 meters.	systematic benches are developed as proposed
2c	Stripping ratio or ore to OB ratio	Nil	None	None

2d	Quantity of topsoil generation in m3	There is no proposal to generate topsoil during the year 2020-21	No topsoil was generated during the year 2020-21	Nil
2e	Quantity of overburden generation in m3	There is no proposal OB generation during the year 2020-21	No OB was generated during the year 2020-21	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	None	There is no OB or topsoil in the area proposed to be excavated during the year 2020-21.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Production from two pits was proposed	Production done as proposed	None
3b	Quantity of ROM mineral production proposed	2.32 million tonnes during the year 2020-21	2.31 million tonnes reported during the year 2020-21	None
3d	Quantity of mineral reject generation	84000 tonnes	68000 tonnes	None
3f	Quantity of sub grade mineral generation.	5,12,000 tonnes	4,80,000 tonnes	Not Applicable
3g	Grade of sub grade mineral generation	The grade of subgrade material was furnished as Cao between 34-40%.	Cao between 34-40%	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	Segregation of mineral from ROM is not required.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	Beneficiation is not required and entire ore is feedable to plant.

3j	Provision of drilling and blasting in mineral benches	Drilling and blasting proposed at one mineral bench. It was proposed to carry out drilling by wagon drill of 115 mm dia. Blasting was proposed by using Slurry explosives and ANFO.	Drilling and blasting carried out at one mineral bench as proposed.	None
3k	Provision of mining machineries in mineral benches	It was proposed to use HEMM for excavating and transporting of mineral.	The dumpers of 60 tonnes and diesel Hydraulic excavators are used for excavation & Transporting of mineral.	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 bench height of 9 meters	Digging height of excavator is compatible with proposed bench height of 9 meters.	None
3m	Total area covered under excavation/pits	---	The are covered under different heads is as follows: Area covered under pit: 114.705 ha Area under dumps: 2.45 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	No OB was generated during the year 2020-21.
3o	Total area put in use under different heads at the end of year	---	154.055 ha	None

3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 2.25 million tonnes 2017-18 - 2.25 million tonnes 2018-19 - 2.16 million tonnes 2019-20 - 2.23 million tonnes 2020-21 - 2.32 million tonnes 2021-22( up to january 2022) - 2.009 Million tonnes	2016-17- 1.56 million tonnes 2017-18 - 2.28 million tonnes 2018-19- 2.168 million tonnes 2019-20 - 1.65 million tonnes 2020-21 - 2.31 million tonnes	The production quantity is in compliance with the approved proposals.
3q	General remarks of inspecting officers on method of mining etc.	---	None	All the boundary pillars of the ML were erected as per prescribed guidelines.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no proposal for generation of OB,topsoil	None	There is no topsoil in the lease area proposed to be excavated.
4b	Location of topsoil, OB and mineral reject dumps	Mineral reject to be stacked on Southern side of the Lease.	The mineral reject being stacked as proposed.	None
4c	Number of dumps within lease area and outside of lease area	There is no proposal for dumping.	Two old dumps developed during the earlier period are there in the mining lease.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	The two dumps were located outside UPL.	None
4e	Number of active and alive dumps.	Not Applicable	Not Applicable	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	Not Applicable	Two dumps	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Retaining wall was noticed for both the old dumps.	None

4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	The length of the retaining wall along the old dumps was 1180 meters.	None
4j	Number of settling ponds	Nil	None	None
4k	Specific comments of inspecting officer on waste dump management	Nil	None	None

#### 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.	it was proposed to backfill about 0.70 ha duirng the year 2020-21.	The area reported by backfilling was 0.65 ha during the year 2020-21	None
5b	Area under backfilling of mined out area	1 ha	0.90 ha	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	It was proposed to reclaim by way of backfilling about 0.70 ha	About 0.65 ha was recalimed by way of backfilling duirng the year 2020-21	None
5d	Total area fully reclaimed and rehabilitated	1 ha	0.90 ha	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	---	None	None

#### 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).	Nil	Annual report on PMCP submitted by the lessee	None

6b	Area available for rehabilitation (ha) .	Nil	Nil	None
6c	afforestation done (ha).	1 ha	1 ha	None
6d	No. of saplings planted during the year	2500 no.s	2500 no.s	None
6e	Cumulative no .of plants	---	217401 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	Nil	It was reported by the lessee that about Rs.2,80,000/- was incurred for 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	0.70 ha	0.65 ha	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	None



6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	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	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of enviromnetal parameters i both core and buffer zone.	Quarterly monitoring carried out regularly for monitoring of environmental parameters.All the parameters are within the permissible limites	Expenditure incurred for monitoring Rs. 4,50,000/- per 4 Quarters
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil	Nil

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	The entire ROM consumed in the cement plant of lessee company.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	None

7c	Different grade of mineral sorted out at mines.	Nil	Nil	None
7d	Any beneficiation process at mines	Nil	Nil	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	None
8b	Concurrent use or storage of topsoil	Nil	Nil	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dump for Sub Grade ore was proposed.	The sub-grade ore is dumped as proposed on the Southern side of the lease.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	---	None	None

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	---	Recommendable plantation has been done in the lease area lying beyond the mining activity.	None
8g	Survival rate	85%	82%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	The dust suppression being controlled by way of water sprinkling.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	None

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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 being submitted regularly,	None
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2020-21, Sri P manoj Kumar Reddy and Sri md.Nayeem are appointed as Mining Engineer and geologist respectively.	The same was observed duirng the inspection.	None

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the annual return 2020-21, the area covered under different heads is as follows: 1.Area under pit - 114.705 ha 2. Area under dump - 2.450 ha 3. Area under Infrastructure - 36.90 ha	The same was noticed during the inspection	None
9d	Scrutiny of Annual return on afforestation	As per the Annual return the no.plants planted are 2500	The same was noticed during the inspection.	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per the Annual return 2020-21, the ROM reported was 2.31 Million tonnes	The same was verified from the records.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The PMV reported in the Annual return 2020-21 was Rs.175.93/tonne	The same was verified and found in order.	None
9h	Scrutiny of Annual return on fixed assets	The total value of fixed assets reported was Rs.46 crores.	Not verified.	None

9k	Scrutiny of Annual return on mining machineries	As per the Annual return 2020-21, the following mining machinery was reported: 1. SHOVEL (HYDRAULIC) 6.500 CUM - 1 no. 2. SHOVEL (HYDRAULIC) 6.000 CUM - 1 no. 3. SHOVEL (HYDRAULIC) 4.300 CUM - 1 no. 4. WHEEL LOADER 6.900 CUM - 1 no. 5. AIR COMPRESSOR 210.000 CUM/MN - 1 no. 6. AIR COMPRESSOR 300.000 CUM/MN - 1 no. 7. BLAST HOST DRILL 115.000 MM - 1 no. 8. DUMPER 55.000 TONNE - 5 no.s 9. DOZER 11.800 HP - 1 no. 10. EXPLOSIVE VAN 7.000 TONNE - 1 no. 11. WATER TANKER 12.000 LITRE - 2 no.s	The same was noticed duirng the inspection.	None
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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 :**

**(A.V.Ramesh Kumar)**

Indian Bureau of Mines