

**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 : **S41**) **Y M SIVA PRASAD**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri Bhaskar Reddy Mining Engineer.
Official with
Designation
- (iv) Date of Inspection : 09/01/2019
- (v) Prev.inspection date : 29/10/2017

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 : **30**
- (d) Date of Expiry : **30/10/2015**
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 backlog Bore holes.	N I L	
1b	Exploration over lease area for geological axis 1 or 2	--	The entire lease area is covered under G1 scale of exploration.	
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	N ONE	NONE	NONE
1e	Balance reserve as on 01/04/20	34.906 Million tonnes.	34.614 Million tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc	---	-----	The entire lease area is covered under G1 Scale.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section C-C,' E-E' and G-G'	Section C-C,' E-E' and G-G'	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NONE	NONE	NONE
2c	Stripping ratio or ore to OB ratio	NONE	NONE	NONE
2d	Quantity of topsoil generation in m3	NONE	NONE	NONE
2e	Quantity of overburden generation in m3	N I L	N I L	N I L

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NONE	NONE	The development is more or less same.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit.	One Pit. Single working pit.	
3b	Quantity of ROM mineral production proposed	3,51,025 tonnes	2,92,000 tonnes.	
3c	Recovery of sailable/usable mineral from ROM production	NONE	The entire ROM generated is consumed in their cement plant of 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.	NONE	NONE	NONE
3g	Grade of sub grade mineral generation	NONE	NONE	NONE
3h	Manual / Mechanised method adopted for segregating from ROM	NONE	NONE	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	Proposed.	It was observed during the inspection that deep hole drilling and blasting is carried out in the mine.	

3k	Provision of mining machineries in mineral benches	Yes. It was proposed to make provision for mining machineries in mineral benches.	It was observed during inspection HEMM Shovel and waggon Drilling machine along with Air Compressor in mineral benches.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	The height of the bench 4-6 m as proposed is suitable for method of mining.	
3m	Total area covered under excavation/pits	13.360 ha	13.360 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	NONE	NONE	NONE
3o	Total area put in use under different heads at the end of year	2.114 HA.	0.815 HA.	
3p	Production of ROM mineral during the last five year period as applicable	2013-14 =340000 tonnes 2014-15 =340000 tonnes 2015-16=350000 tonnes 2016-17=350000 tonnes 2017-18=351025 tonnes.	2013-14=330000 tonnes 2014-15=330000 tonnes 2015-16=280000 tonnes 2016-17=240000 tonnes 2017-18=292000 tonnes	

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposals.	N I L	
4b	Location of topsoil, OB and mineral reject dumps	No Proposals	N I L	
4c	Number of dumps within lease area and outside of lease area	No proposals.	N I L	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposals	N I L
4e	Number of active and alive dumps.	Not Applicable	Not Applicable
4f	Number of dead dumps.	N I L	N I L
4g	Number of dumps established.	N I L	N I L
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals	N I L
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	-----
4j	Number of settling ponds	No proposals	N I L
4k	Specific comments of inspecting officer on waste dump management		

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 proposals.	Mine is not yet matured for backfilling.	
5b	Area under backfilling of mined out area	No proposals	N I L	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	N ot Applicable.	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	N I L	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-----	-----	NONE.
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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).	Lessee has to submit Annual Report for the year 2017-18 as per statute.	Lessee has submitted Annual report for the year 2017-18 to this office.	
6b	Area available for rehabilitation (ha) .	NONE	NONE	
6c	afforestation done (ha).	5000 Sq m.	3.77 ha	
6d	No. of saplings planted during the year	500 Saplings	1000 Saplings	
6e	Cumulative no .of plants	-----	7292 Saplings till date.	
6f	Any other method of rehabilitation	NONE	NONE	
6g	Cost incurred on watch and care during the year	-----	Rs.1,75000/- during the year 2017-18.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NONE	NONE	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NONE	NONE	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NONE	NONE	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NONE	NONE	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NONE	NONE	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NONE	NONE	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NONE	NONE	
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of environmental parameters.	It was observed during the inspection that quarterly monitoring was carried out during the year 2017-18 for both Core and Buffer zone.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NONE	NONE	The environmental parameters for both Core and Buffer Zone are within permissible limits.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	3,51,025 tonnes during the year 2017/18.	The actual production 2,92,000 tonnes during the year 2017-18. The entire ROM is despatched to their cement plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals	The entire ROM is consumed in the captive cement plant.	
7c	Different grade of mineral sorted out at mines.	NONE	NONE	
7d	Any beneficiation process at mines	NONE	NONE	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NONE	NONE	NONE

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)	NONE	NONE	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)	No proposal	N I L	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposed 500 saplings	Lessee has planted 1000 saplings.	
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	It was propose to carry out water sprinkling to arrest airborne dust on hauls roads.	The same was observed during the inspection	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NONE	NONE	NONE

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and Annual return are to be submitted to this office as per statuate.	Monthly returns and Annual return for the year 2017-18 are submitted reguarly through online submission.	NONE
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer=Shri M.Bhaskar Reddy Geologist =Shri Siva Nagaraju.	It was observed during the inspection, the above mentioned persons were working in the mines.	NONE

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	13.360 ha	13.360 ha.	NONE
9d	Scrutiny of Annual return on afforestation	1000 SAPLINGS	The lessee planted 1000 saplings.	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	2,92,000 tonnes	It was observed 2,92,000 tonnes.	NONE
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs 249.24.	Ex Mine Price as mentioned above is correct. The entire ROM is consumed for their Cement Plant.	NONE
9h	Scrutiny of Annual return on fixed assets	Rs.699036921.	Rs.699036921	NONE
9k	Scrutiny of Annual return on mining machineries	BACK HOE 1.200 CUM 1 Non Electrical Opencast TIPPER 8.000 CUM 7 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast AIR COMPRESSOR 210.000 CUM/MN 1 Non Electrical Opencast	BACK HOE 1.200 CUM 1 Non Electrical Opencast TIPPER 8.000 CUM 7 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 115.000 MM 1 Non Electrical Opencast AIR COMPRESSOR 210.000 CUM/MN 1 Non Electrical Opencast	NONE

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 :

(Y M SIVA PRASAD)

Indian Bureau of Mines