

**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 : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SRI V V KRISHNA REDDY MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 14/11/2021
- (v) Prev.inspection date : 10/02/2021

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 : D S N V PRASAD
 SAGAR CEMENTS LIMITED
 MATTAMPALLY SURYAPET
 DISTRICT NALGONDA TELANGANA
 Phone:
 FAX :

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 V KRISHNA REDDY
 Qualification : B TECH 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
		MP modif under 17(3) MCR 2016	25/03/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration activity was proposed during the year 2020-21	No exploration carried out during the year 2020-21	The entire potentially mineralised area explored under G1 level.
1b	Exploration over lease area for geological axis 1 or 2	No exploration was proposed during the year 2020-21.	The entire potentially mineralised area covered under G1 level.	No remarks to offer.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal for exploration made during the year 2020-21	No expenditure incurred as no exploration was carried out.	No remarks to offer.
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	----	The reserves as on 1.4.2021 are 56.096 Million tonnes.	No remarks to offer.
1f	General remarks of inspecting officers on geology, exploration etc	-----	The entire potentially mineralised area explored under G1 level	No remarks to offer.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	During the year 2020-21 it was proposed to develop the mine on the Northern side between RL 68-62.	The development of being carried out as proposed	No remarks to offer.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It is proposed to develop the third bench on northern side of the lease. As there is no overburden, no benches in OB proposed.	The development of bench in mineral is as proposed.	No remarks to offer.
2c	Stripping ratio or ore to OB ratio	As there is no overburden, stripping ration is nil.	None	No remarks to offer.
2d	Quantity of topsoil generation in m3	As there is no topsoil in the lease, the same was not proposed.	None	None
2e	Quantity of overburden generation in m3	As there is no overburden, no proposal for handling overburden was proposed.	None	No remarks to offer.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	----	The mine development is being carried out as proposed. as there is no topsoil and overburden in the lease, the proposals for handling the same were not given.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 Pit	1 Pit	No remarks to offer.
3b	Quantity of ROM mineral production proposed	The quantity of the ROM proposed to be produced during the year 2020-21 was 20,149 tonnes	The actual ROM reported by the lessee during the year 2020-21 was 10,000 tonnes.	There is no upward deviation in the ROM proposed and reported during the year 2020-21

3c	Recovery of sailable/usable mineral from ROM production	It was proposed to use the entire ROM in the cement plant of the lessee.	the entire ROM being consumed in the cement plant of the lessee.	No remarks to offer.
3d	Quantity of mineral reject generation	As there is generation of mineral rejects, proposal for the same was not made.	No mineral reject generation was reported during the year 2020-21.	No remarks to offer.
3e	Grade of mineral rejects generation and threshold value declared.	None	None	No remarks to offer.
3f	Quantity of sub grade mineral generation.	As there is no subgrade mineral generation, no proposal for the same was made	No subgrade mineral generation was done during the year 2020-21.	No remarks to offer.
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal for the manual/mechanised segregation was made.	No manual.mechanised segregation noticed during the inspection.	No remarks to offer.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal for beneficiation study proposed.	No beneficiation study carried out.	No remarks to offer.
3j	Provision of drilling and blasting in mineral benches	it was proposed to carry out deep hole drilling and blasting in mineral benches.	During the inspection it was noticed that deep hole drilling along with blasting being carried out as proposed.	No remarks to offer.
3k	Provision of mining machineries in mineral benches	it was proposed to excavate and transport the mineral by using Back Hoe and tippers.	The excavation and transportation of the mineral being carried out as proposed.	No remarks to offer.

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 8 meters.	The bench height being maintained as proposed.	No remarks to offer.
3m	Total area covered under excavation/pits	---	the total area covered under pits is 15.106 ha	No remarks to offer.
3n	Ore to OB ratio for the pit/mine during the year.	As there is no overburden, the same not applicable	None	No remarks to offer.
3o	Total area put in use under different heads at the end of year	-----	The total area put to use under different heads is as follows: 1. Area under pits: 15.106 ha 2. Area under infrastructure : 1.50 ha	No remarks to offer.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 3,51,750 tonnes 2017-18 - 3,51,025 tonnes 2018-19 - 3,51,175 tonnes 2019-20 - 3,50,000 tonnes 2020-21 - 20,149 tonnes	2016-17 - 2,43,000 tonnes 2017-18 - 2,92,000 tonnes 2018-19 - 3,49,000 tonnes 2019-20 - 3,24,883 tonnes 2020-21 - 10,000 tonnes	there is no upward deviation in the proposed quantities versus actual production reported during the last five years.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	As there is no overburden, top soil and mineral reject, no proposals for handling the same were given.	No separate dumping or handling of topsoil or mineral rejects were handled during the year 2020-21.	No remarks to offer.
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	No remarks to offer.

4c	Number of dumps within lease area and outside of lease area	Not applicable	Not applicable	No remarks to offer.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable as there are no dumps in the lease	None	No remarks to offer.
4e	Number of active and alive dumps.	None	None	No remarks to offer.
4f	Number of dead dumps.	None	None	No remarks to offer.
4g	Number of dumps established.	None	None	No remarks to offer.
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	No remarks to offer.
4i	Length of Retaining wall or garland drain all along dumps	None	None	No remarks to offer.
4j	Number of settling ponds	None	None	No remarks
4k	Specific comments of inspecting officer on waste dump management	-----	-----	As there is no overburden, no dump handling was proposed.

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 for backfilling made for the year 2020-21	No backfilling carried out duiring the year 2020-21	No remarks to offer.
5b	Area under backfilling of mined out area	None	None	No remarks
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	As there is no topsoil in the lease, no proposal was made for concurrent use of topsoil in the lease.	No topsoil was generated duiring the year 2020-21.	No remarks to offer.

5d	Total area fully reclaimed and rehabilitated	None	None	No remarks to offer.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	----	As the area not yet matured for reclamation, no proposal for backfilling was proposed by the lessee.

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).	It was proposed to submit Annual report of Protective measures taken by lessee yearly.	The Annual report submitted by lessee in time.	No remarks to offer.
6b	Area available for rehabilitation (ha) .	It was proposed by the lessee to plant 250 no.s of saplings over an extent of 0.1 ha duirng the year 2020-21.	The actual plantation carried out by the lessee was 250 no.s over an extent of 0.1 ha duirng the year 2020-21.	No remarks to offer.
6c	afforestation done (ha).	0.1 ha	0.1 ha	Lessee carried out plantation over the proposed area duirng the year 2020-21.
6d	No. of saplings planted during the year	250 no.s	250 no.s	No remarks to offer.
6f	Any other method of rehabilitation	None	None	No remarks to offer.
6g	Cost incurred on watch and care during the year	-----	It was reported by the lessee that an expenditure of Rs. 2,50,000/- was incurred towards watch and ward duirng the year 2020-21.	No remarks to offer.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	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	None	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed by the lessee to monitor the environmental parameters on quarterly basis.	The proposed environmental monitoring carried out by the lessee during the year 2020-21.	No remarks to offer.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	----	The over all progressive Mine closure measures as proposed are being taken up by the lessee.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal was made for grade-wise sorting in the lease.	The entire ROM produced is being consumed in the cement plant of the lessee.	No remarks to offer.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	No remarks to offer.
7c	Different grade of mineral sorted out at mines.	No proposal made for sorting of different grades in the lease.	The entire ROM being consumed in the lease.	No remarks to offer.
7d	Any beneficiation process at mines .	No beneficiation process was proposed in the lease.	No beneficiation practise was noticed in the lease.	No remarks to offer.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	----	No proposal was made for any sorting of limestone based on grade and no beneficiation was proposed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	As there is no topsoil in the lease, no proposal was made for generation of the same.	No topsoil was generated in the lease.	No remarks to offer.
8b	Concurrent use or storage of topsoil	None	None	No remarks to offer.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	No remarks to offer.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	No remarks to offer.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	No remarkks to offer.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-----	about 8362 saplings were planted by the lessee till date over an extent of 5.75 ha. Other than that bushy type of vegetation was noticed in the lease.	No remarks to offer.
8g	Survival rate	70%	80%	No remarks to offer.
8h	Water sprinkling on roads to control airborne dust	it was proposed to control the dust by water sprinkling using water tanker.	Dust suppression measures being taken up as proposed.	No remarks to offer.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-----	-----	The over all environmental protective measures being taken up as proposed. The general aesthetic beauty is on a scale of excellent/Moderate /Poor, it is rated as Moderate.
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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 returns are being submitted by the lessee regularly to Indian Bureau of mines.	No coments to offer.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return, Sri M Bhasker Reddy and Sri N Siva Nagaraju as Mining Engineer and geologist respectively.	The same was confirmed duiring the inspecton.	No comments to offer.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per Annual return 2020-21, the are under pits and dumps is as follows Pits - 15.106 ha	The same was confirmed duiring the inspection.	No comments to offer.
9d	Scrutiny of Annual return on afforestation	as per Anual return the afforestation figures are 250 duiring the year 2020-21 with a sruvival rate of 80%.	The same was confirmed duiring the inspection.	No comments to offer.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	as per the Annual return no mineral reject was reported duiring the year 2020-21.	The same was confirmed duiring the nspection.	No comments to offer.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	as per the Annual return 2020-21, the ROM reported was 10,000 tonnes only.	The same was confirmed during the inspection.	No comments to offer.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-mine price reported in the annual return 2020-21 was Rs.1396.73 per tonne.	the same was confirmed during the inspection.	The Ex-mine price was higher when compared to previous year was due to the lesseer production proposals with same level of Machinery, Manpower & Explosives. The production reported was for only one month.
9h	Scrutiny of Annual return on fixed assets	As per the Annual return 2020-21, the value of fixed assets reported was Rs.46.90 crore rupees.	No scrutiny was done for the same.	No comments to offer.
9k	Scrutiny of Annual return on mining machineries	As per the Annual return 2020-21, the mining machinery reported is given below: 1. Back Hoe - 01 no. 2. Tipper - 07 no.s 3. Rockdrill - 01 no. 4. Air-compressor - 01 no. 5. Water tanker - 01 no. 6. Jeep/Tractor - 1 no. 7. Pumps - 1 no.	The same was confirmed during the inspection.	No comments to offer.

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