

I/35430/2024

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR14022

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN RAVULA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri V V Krishna Reddy, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 28-MAY-24
- (v) Prev.inspection date : 09-JAN-19

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-MAY-86**
- (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-OCT-15**
4. Mineral worked : **LIMESTONE** Main

I/35430/2024

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-AUG-03
		Modif.of approved Mining Plan	28-AUG-06
		Mining Scheme rule 12 MCDR1988	15-FEB-12
		Mining Scheme rule 12 MCDR1988	03-JUN-15

I/35430/2024

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No such specific proposal.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal for the year 2023-24	7 nos of boreholes were drilled.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		In house Rs. 8,68,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	24 nos of boreholes were proposed during the plan period in the year 2024-25.	7 nos of boreholes were drilled during the year 2023-24.	
1e	Balance reserve as on 01/04/20	As per the approved document dated 21.11.2023, the Limestone reserves are 59.21 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2024 are limestone: 58.91 mil.t.	
1f	General remarks of inspecting officers on geology, exploration etc		The ML area has been explored with Core and DTH bore holes time to time. The mineralization of limestone in the form of Light Grey Limestone, Grey to Dark Grey Limestone, Green Limestone and Purple Flaggy Limestone were encountered in the ML area with different dimension. Eastern part of the lease area shows all the lithounits where as in the western part the LGL and part of Grey limestone strata is missing due to various processes occurred.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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I/35430/2024

2a	Location of development w.r.t.lease area	one pit (pit-1) was proposed for development during the year 2023-24.	pit-1 is being developed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil, OB generation is envisaged. benches in mineral are proposed.	benches in mineral are maintained.	
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	No OB/waste generation is envisaged.
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		development is carried out by opencast mining method as proposed.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	0.708 mil.t. during the year 2023-24.	0.51 mil.t.	
3c	Recovery of sailable/usable mineral from ROM production	0.708 mil.t.	0.51 mil.t.	
3d	Quantity of mineral reject generation	No proposal.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil	

I/35430/2024

3f	Quantity of sub grade mineral generation.	No proposal.	Nil
3g	Grade of sub grade mineral generation	No proposal.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised.	Mechanised.
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 is proposed.	drilling & blasting is carried out.
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	8-9 m	maintained.
3m	Total area covered under excavation/pits	21.35 ha	20.23 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	23.5 Ha	22.38 Ha
3p	Production of ROM mineral during the last five year period as applicable	2023-24: 708509 T 2022-23 4,14,789T 2021-22 4,08,272T 2020-21 20,149T 2019-20 3,50,000T	2023-24: 5,10,000 T 2022-23 3,49,500T 2021-22 4,00.000T 2020-21 10,000T 2019-20 3,24,883T

I/35430/2024

3q General remarks of inspecting officers on method of mining etc. production is carried out from two pits by opencast mining method as proposed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	no topsoil, mineral reject, OB generation is envisaged.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	Nil	
4c	Number of dumps within lease area and outside of lease area	No proposal.	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		No OB/waste generation is envisaged.	

Solid Waste Management - Backfilling:

I/35430/2024

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.		Area not matured for reclamation.	

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).	PMCP report to submitted before 1 st July.	not submitted till the date of inspection	advised the lessee to submit.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	
6c	afforestation done (ha).	0.5 ha	0.6 ha	
6d	No. of saplings planted during the year	500	1834	
6e	Cumulative no .of plants		3555	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs. 800782/-	

I/35430/2024

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 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

I/35430/2024

6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB.	Periodical Monitoring as stipulated in Environment Clearance granted by MoEF & CC and Consent to Operate granted by SPCB is carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed.	carried out	entire ROM (Limestone) of cement grade is used in the captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical.	mechanical.	
7c	Different grade of mineral sorted out at mines.	cement grade limestone	cement grade limestone	
7d	Any beneficiation process at mines	No proposal.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			entire ROM (limestone) of cement grade is used at captive plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/35430/2024

8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	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	1834 nos
8g	Survival rate	92%	82%
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/35430/2024

9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017	monthly returns submitted. annual return has not been submitted till the date of inspection.	advised the lessee to submit the annual return within stipulated time period.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not submitted till the time of inspection date.	Not applicable.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted till the time of inspection date.	Not applicable.	
9d	Scrutiny of Annual return on afforestation	Not submitted till the time of inspection date.	Not applicable.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted till the time of inspection date.	Not applicable.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted till the time of inspection date.	Not applicable.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted till the time of inspection date.	Not applicable.	
9h	Scrutiny of Annual return on fixed assets	Not submitted till the time of inspection date.	Not applicable.	
9k	Scrutiny of Annual return on mining machineries	Not submitted till the time of inspection date.	Not applicable.	

I/35430/2024

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :**(RAMKISHAN RAVULA)**

Indian Bureau of Mines