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MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR14007

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

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 :
4. Mineral worked : **LIMESTONE** Main

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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 Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	17-JAN-01
		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

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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	6 nos of boreholes were proposed during the year 2023-24.	6 nos of boreholes were drilled.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		In house approx cost is Rs. 1,81,300/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	6 nos of boreholes were proposed.	6 nos of boreholes were drilled.	
1e	Balance reserve as on 01/04/20	As per the approved document dated 13.09.2023, the Limestone reserves are 144.11 mil.t	due to depletion/addition over the period of time the updated reserves as on dated 01.04.2024 are limestone: 142.426 milt.t.	
1f	General remarks of inspecting officers on geology, exploration etc		Limestone deposit of the lease area shows massive bedded form and It is Stratiform strata bound tabular deposit of regular habit as per MEMC Rules - 2015. - Limestone mineralization of the lease area is stratigraphically controlled. The Sedimentary mineral deposit limestone, deposited as beds in sea. Such basins of deposition control the area of occurrence of this deposit.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	two pits (pit-1 and pit-2)were proposed for development during the year 2023-24.	Pit-1 & Pit-2 are being developed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	top soil is propsoed to be removed by scrapping and No OB generation is envisaged. benches in mineral are proposed.	top soil is scrapped seperately. benches in mineral are produced.	
2c	Stripping ratio or ore to OB ratio	Not applicable	Nil	No OB/waste generation is envisaged.
2d	Quantity of topsoil generation in m3	41552 cu.m. during the year 2023-24.	41496 cu.m.	
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	two	two	
3b	Quantity of ROM mineral production proposed	3.161 mil.t. during the year 2023-24.	2.46 mil.t.	
3c	Recovery of sailable/usable mineral from ROM production	3.161 mil.t.	2.46 mil.t.	
3d	Quantity of mineral reject generation	No proposal.	Nil	

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3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Nil
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	138.81 ha	137 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	197.64 ha	196.48 ha

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3p	Production of ROM mineral during the last five year period as applicable	2019-20 - 2.23 mil.t. 2020-21 - 2.32 mil.t. 2021-22 - 2.897 mil.t. Million tonnes 2022-23: 3.25 Million tonnes 2023-24: 3.161 mil.t.	2019-20 - 1.65 mil.t. 2020-21 - 2.31 mil.t. 2021-22: 2.525 mil.t. 2022-23: 2.66 mil.t. 2023-24: 2.46 mil.t.
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)	proposed for top soil, no OB generation is envisaged.	carried out.	
4b	Location of topsoil, OB and mineral reject dumps	proposed for top soil along the Lease boundary with in lease area toward s western side	carried out	
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	

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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:

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	

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).	0.7 ha during the year 2023-24.	1.2 ha	
6d	No. of saplings planted during the year	1500	2964	
6e	Cumulative no .of plants		83407	
6f	Any other method of rehabilitation	No proposal.	Nil	
6g	Cost incurred on watch and care during the year		Rs. 3860350.35/-	

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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

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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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8a	Separate removal and utilization of topsoil (Rule 32)	proposed.	carried out.
8b	Concurrent use or storage of topsoil	proposed.	carried out
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)	1500	2964
8g	Survival rate	90%	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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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.	

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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