

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR inspection REPORT

Hyderabad regional office

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

Mine code : 38APR14007

- (i) Name of the Inspecting : S11 ; SHAILENDRA KUMAR
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : SRI V SUBRAMANYAM MANAGER(MINES)
Official with
Designation
- (iv) Date of Inspection : 09/07/2021
- (v) Prev.inspection date : 15/12/2020

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 correspondence : PEDDAVEEDU VILLAGE, MATTAMPALLY MANDAL,
SURYAPET DISTRICT
TELANGANA STATE
3. (a) Lease Number : APR0067
- (b) Lease area : ~~326.58~~ 326.58 ha
- (c) Period of lease : 50 YEARS
- (d) Date of Expiry : 17-08-2034
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
 E.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 4
 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	---	There is no backlog of exploration programme	None
1b	Exploration over lease area for geological axis 1 or 2	---	The entire potentially mineralised zone has been explored at G1 level.	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	----	The entire potentially mineralised area of 316.16 ha has been explored under G1 scale	None
1e	Balance reserve as on 01/04/20	---	The reserves as on 1.4.2021 are 61.957 million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	None	None	The entire potentially mineralised zone has been explored at 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	None
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	Proposals	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
3c	Recovery of sailable/usable mineral from ROM production	Nil	None	None
3d	Quantity of mineral reject generation	84000 tonnes	68000 tonnes	None
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	None
3f	Quantity of sub grade mineral generation.	5,12,000 tonnes	4,80,000 tonnes	None

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/SCM	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	None	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	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	Propasala	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.	Not Applicable	Two dumps	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	None	None	None

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	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 during 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 during the year 2020-21 about 0.70 ha	About 0.65 ha was reclaimed by way of backfilling during 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	Propassals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	---	Annual report on PMCP submitted by the lessee	None
6b	Area available for rehabilitation (ha) .	Nil	None	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	Nil	None	None
6g	Cost incurred on watch and care during the year	--	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 (L x 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
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	None	None
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	None	None
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	None	None
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out quarterly monitoring of environmental parameters in both core and buffer zone.	Quarterly monitoring carried out regularly for monitoring of environmental parameters. All the parameters are within the permissible limits	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	None	None

Mineral Conservation:

Sl.No.	Item	Proposals	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.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	None	None
7c	Different grade of mineral sorted out at mines.	Nil	None	None
7d	Any beneficiation process at mines	Nil	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	None	The total ROM produced is consumed in the cement plant of the lessee company.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	None	None
8b	Concurrent use or storage of topsoil	Nil	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for Sub Grade ore was proposed.	The sub-grade ore is dumped as proposed on the Southern side of the lesse.	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	None	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

81	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	None	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 returns are submitted regularly to this office.	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 is the Mining Engineer and Sri Md.Nayeem is Geologist	The same is verified during 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 the are 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 produced 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 FMV reported in the Annual return was Rs.175.93/tonne	The same was checked and found certain discrepancies. A violation letter issued for the rectification of the same.	None
9h	Scrutiny of Annual return on fixed assets	As per the Annual return 2020-21, the total fixed assets reported was 46 crore rupees	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 machinery was observed during 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
MCDR17	Rule 31(1)	14/07/2021			
MCDR17	Rule 45(7)(a)	14/07/2021			

Date :

(SHAIENDRA KUMAR)

Indian Bureau of Mines