

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

Mining Plan inspection REPORT

Hyderabad regional office

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

Mine code : 38APR14022

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : V Subramanyam,
Official with
Designation
- (iv) Date of Inspection : 11/12/2019
- (v) Prev.inspection date : 21/07/2006

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 : 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	None	None	
1b	Exploration over lease area for geological axis 1 or 2	No proposals	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal of Exploration made	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal made	Entire area proved under G1 & G2 of UNFC	
1e	Balance reserve as on 01/04/20	34.557 Millions	34.557 Millions	
1f	General remarks of inspecting officers on geology, exploration etc		Entire lease area has been explored under G1 and very small portion in G2 level. Proposal was submitted to complete the lease area in G1 level in the present document	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N583 N 119 E 1303 E 1384 N289 N457 E1147 E 1183	DEvelopment has been carried out within the grid lines proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	963 cum top soil generated is being utilised for plantation during the year.	
2c	Stripping ratio or ore to OB ratio	Nil	No OB observed/ handled during the year	
2d	Quantity of topsoil generation in m3	963 cum	963 cum	
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 has been carried out within the area approved. No OB generation during the year,hence the Stripping ratio is Nil
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 Pit	1 Pit	Nil
3b	Quantity of ROM mineral production proposed	3,49,000 Tons	3,49,000 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%, entire ROM is being used for captive purpose	
3d	Quantity of mineral reject generation	No proposal	No Mineral reject available in the lease	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	No sub-grade mineral is generated	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not Applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable	

3j	Provision of drilling and blasting in mineral benches	Drilling and Blasting is being carried out by Wagon Drill of 115 mmdia drill,maintaining Spacing of 3 meters and Burden of 4 meters. The depth of hole is 6.6 meters	Drilling and Blasting is being carried out by Wagon Drill of 115 mmdia drill,maintaining Spacing of 3 meters and Burden of 4 meters.
3k	Provision of mining machineries in mineral benches	it was proposed to use Hydraulic Excavator : 1.5 cum & Tippers for loading and transport of ROM: Tippers 25Tonnes, Wagon drill 115 mm dia for blast holes , Excavator and	HEMM as proposed is found used in the mining lease
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Maximim bench height of 6 meters is proposed to be maintained	Bench height of 6 meters is found maintained and is suitable for this mine
3m	Total area covered under excavation/pits	14.70 ha	14.70 ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	Pit- 14.70 ha- infrastructure - 1.5 ha Road : 1.5 ha PMCP : 1.5 ha	Pit- 14.70 ha- Infrastructure- 1.0 ha Road : 1.5 ha PMCP : 1.5 ha

3p	Production of ROM mineral during the last five year period as applicable	2014-15-351025. 2015-16-351875 2016-17-351750 2017-18-351025 2018-19-351175 2019-20 - 350000	2014-15-330000. 2015-16- 284000 2016-17-243000 2017-18- 292000 2018-19- 349000
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3q	General remarks of inspecting officers on method of mining etc.	Opencast Fully mechanised method of Mining is adopted by using HEMM with Deep Hole drilling & Blasting by maintaining bench height of 4 to 6 meters. There is no deviation in production of ore during the year 2018-19. The Mining lease is having gentle dip of 3 to 5 degrees and the deposit is tabular and uniform in nature
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal, as ther is no top soil and overburden in the proposed area.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Not Applicable	
4c	Number of dumps within lease area and outside of lease area	None	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	
4e	Number of active and alive dumps.	None	None	
4f	Number of dead dumps.	None	None	
4g	Number of dumps established.	None	none	

4h	Whether Retaining wall or garland drain all along dumps are there.	None	None
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	Nil	There is no Top soil, Waste, Mineral Reject dumps are there in the lease area. The Top soil of 963 cum generated is being utilised for plantation, there no generation of Waste/ Mineral Reject reported during the year

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.	There is no Back filling proposal	Nil	
5b	Area under backfilling of mined out area	No area proposed for backfilling	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil generated is to be utilised for plantation.	Top soil generated is being utilised for plantation.	
5d	Total area fully reclaimed and rehabilitated	Nil	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		As there was no Mined out area, No reclamation and rehabilitated was carried out	

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).	Submitted on time in the format	Submitted	Nil
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	0.5 Ha	0.5 ha	
6d	No. of saplings planted during the year	500 saplings in 0.50 hectares	500 saplings in 0.55 hectares	Watch and care charges Rs. 3,70,000
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No mine closure activities, however there are proposal made in PMCP for plantation and environment monitoring is being carried out regularly	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	3,49,000 MT	Entire ROM produced is fed to crusher	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals	Nil	
7c	Different grade of mineral sorted out at mines.	No proposals of sorting	Nil	
7d	Any beneficiation process at mines .	Not Applicable	No	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The entire ROM being produced is consumed in captive cement plant of the lessee company	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top Soil generates is to be utilised for plantation	Top Soil generates had been utilised for plantation	
8b	Concurrent use or storage of topsoil	For plantation	Found utiised for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Applicable	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No area matureds for reclamation/ rehabilitation	not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		So far Plantation(WML) 7792 Plants in over an area of 5.15 Hectares Plantation (OML)Plants 7440 In 7.83 Ha of area	
8g	Survival rate	86%	86%	
8h	Water sprinkling on roads to control airborne dust	Continuous water sprinkling on roads is proposed	Water being sprinkled on roads by tankers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Green belt is well developed within the lease area on all along the lease boundary to improve the aesthetic beauty. plantation is started along the safety zone of Nala which will additionally improve the aesthetic beauty.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are to be submitted regularly.	Monthly and Annual Returns are being submitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri.M.Bhaskar Reddy is Mining Engineer, Sri N.Siva Nagaraju is Geologist	THE above persons are employed for the lease	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under excavation : 14.7 Ha, Road/ infrastructure : 1.0 Ha, Green belt : 0.5 Ha	Area under excavation : 14.7 Ha, Road/ infrastructure : 1.0 Ha, Green belt : 0.5 Ha	
9d	Scrutiny of Annual return on afforestation	500 no.s	500 no.s	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM/ Graded : 25117 Tonnes,	ROM/ Graded : 25117 Tonnes,	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 268.77 for both Ex-mine price and Cost of Production as this is captive Mine	Rs. 268.77 for both Ex-mine price and Cost of Production as this is captive Mine	
9h	Scrutiny of Annual return on fixed assets	Rs. 654310539.00	As reported by lessee.	
9k	Scrutiny of Annual return on mining machineries	BACK HOE- (1.2 cum) - 1, TIPPER (8.0 cum)-7 , Rock Drill- 115 mm-1	BACK HOE- (1.2 cum) - 1, TIPPER (8.0 cum)-7 , Rock Drill- 115 mm-1	

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines