

**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 : M BHASKAR REDDY , MANAGER(MINES)
Official with
Designation
- (iv) Date of Inspection : 29/10/2017
- (v) Prev.inspection date : 12/11/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMARESHWARI**
- (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 : **20**
- (d) Date of Expiry : **30/10/2025**
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	No exploration programme was proposed during 2016-17.	No exploration was carried out during 2016-17.	None
1b	Exploration over lease area for geological axis 1 or 2	--	The entire lease area except 2.72 ha which is non mineralised, the rest 141 ha is covered under G1 scale of exploration.	A total of about 73 core boreholes and 59 DTH have been made in the lease. earlier period.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
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 1/4/2017 are 35.182 million tonnes	None
1f	General remarks of inspecting officers on geology, exploration etc	--	--	The entire lease is covered under G1 scale.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per the approved Mining plan the present working pit which is in the North Western part of the lease was proposed to develop towards Eastern direction between E1300 to E1350 gridlines.	The development was observed to be more or less as per the proposals made in the approved document.	None

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	None	None	None
2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	None	None	None
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	The Developemnt is more or less

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to carry out mining operations in the present single working pit for the year 2016-17.	It was observed duirng the inspection that the the mining is being carried out as per proposal made in the approved document between E800 to E1300 gridlines.	None
3b	Quantity of ROM mineral production proposed	It was proposed to produce 351700 tonnes duirng 2016-17	The actual production achieved was 243000 tonnes duirng 2016-17.	None
3c	Recovery of sailable/usable mineral from ROM production	None	The entire ROM generated is consumed in the captive cement plant of lessee.	None
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral rejects generation and threshold value declared.	None	None	None

3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	It was proposed to make provision for blasting and drilling on the mineral benches.	It was observed during the inspection that enough length and width was maintained for making drilling and blasting on the benches.	None
3k	Provision of mining machineries in mineral benches	Yes it was proposed to make provision for mining machineries in benches.	It was observed during the inspection that sufficient width in the benches has been maintained for movement and utilisation of mining machineries in the mineral benches.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	None	None	None
3m	Total area covered under excavation/pits	--	A total of 12.68 ha is under mining as on 1.4.2017.	None
3n	Ore to OB ratio for the pit/mine during the year.	None	None	None
3o	Total area put in use under different heads at the end of year	2.114 ha during 2016-17	0.07 ha during 2016-17	

3p	Production of ROM mineral during the last five year period as applicable	2012-13-0.34 million tonnes 2013-14-0.34 million tonnes 2014-15 - 0.33 million tonnes 2015-16-0.28 million tonnes 2016-17-0.24 million tonnes 2016-17-0.35 million tonnes	2012-13-0.24 million tonnes 2013-14-0.33 million tonnes 2014-15 - 0.33 million tonnes 2015-16-0.28 million tonnes 2016-17-0.24 million tonnes 2016-17-0.35 million tonnes	
3q	General remarks of inspecting officers on method of mining etc.	None	None	The overall production proposal made in the approved document for the last five years have not been achieved due to lack of market demand. There is no upward deviation of production for the past five years.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	As there is no generation of OB.No proposals for handling OB were made duirng 2016-17.	No OB was handled duirng the year 2016-17.	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None
4e	Number of active and alive dumps.	None	None	None

4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

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.	None	None	None
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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).	Yes Annal report as per rule 26(2) of MCDR,2017 for the year 2016-17 was submitted by the lessee.	The annual report for the year 2016-17 for protection of environment submitted by the lessee.	None
6b	Area available for rehabilitation (ha) .	None	None	None
6c	afforestation done (ha).	It was proposed to carry out afforestation for 800 saplings	The actual achievement was 1150 saplings.	None
6d	No. of saplings planted during the year	800	1150	None
6e	Cumulative no .of plants	--	6292 saplings till date.	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	--	Rs.2,05,300/-duirng 2016-17.	None
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)Afforestati 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 to carry out quarterly monitoring of environmental parameters during the year 2016-17.	It was noticed from the records that the quarterly monitoring was carried out during the year 2016-17 for both Core and Buffer zone.The environmental parameters are within the permissible limits.The total expenditure reported as per the annual report is Rs.3,20,000/-	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	The environmental parameters for both Core and Buffer zone are within permissible limits.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to produce 351700 tonnes during 2016-17.	The actual production was 243000 tonnes during 2016-17.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal for grade wise sorting was made.	The entire ROM is consumed in the captive cement plant of the lessee.	None
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None	None	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	As no area has been matured for phased restoration. There was no proposal for reclamation during 2016-17	There was no reclamation during the year 2016-17.	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Except for the plantation made by the lessee no other plantation/vegetation was there in the lease.	The same was noticed during the inspection.	None
8g	Survival rate	90%	90%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to carry out water sprinkling for dust suppression during the mining operations along the haulage roads.	The same was noticed during the inspection.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The Monthly and Annual return are being submitted regularly through online submission.	None

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	In the annual return 2016-17 it was reported that Sri M Bhasker Reddy as Mining Engineer and Sri Siva Nagaraju as Geologist.	During the inspection it was observed that the above mentioned people are working in the mines.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the Annual return 2016-17 the arwa under mining is 12.545 ha.	It was observed that about 12.60 ha is under mining.	None
9d	Scrutiny of Annual return on afforestation	As per annual return 2016-17 the afforestation reported was 1150 numbers with a survival of 90%.	It was proposed to plant 800 saplings during the year 2016-17 as per approved document.	Afforestation was carried out more than the proposed numbers.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None	None	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was mentioned in the Annual return 2016-17 that 243000 tonnes ROM was produced.	The same was noted during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	As per annual report it was reported that the Ex-mine price was mentioned as Rs.238.89/-The cost of production was mentioned as the same as the entire ROM is being consumed in the captive cement plant of the lessee.	The ex-mine price reported was Rs.238.89/- the same was compared to the near by mines and it was observed that the price mentioned is not much deviation is noted.	None

9h	Scrutiny of Annual return on fixed assets	In the annual report 2016-17 it was reported that the value of fixed assets is Rs.865038524/-	The same was not verified.	None
9k	Scrutiny of Annual return on mining machineries	In the annual return 2016-17 it was reported that One backhoe and 7 tippers one wagon drill are being utilised.	The same was observed during the inspection.	None

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