

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/NLG/LST-25/HYD

Mine code : 38APR14035

- (i) Name of the Inspecting : **PR09**) **M.Pratap.Reddy**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : D.KALYAN CHAKRAVARTHY MINING ENGINEER
Official with
Designation
- (iv) Date of Inspection : 24/12/2018
- (v) Prev.inspection date : 01/09/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHAVANIPURAM - II**
- (b) **Registration NO.** : **IBM/1029/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : **TELANGANA**
District : **NALGONDA**
Village : **MAHAMKALIGUDEM**
Taluka : **HUZUR NAGAR**
Post office : **JANPAHAD**
Pin Code : **508218**
FAX No. : **08683-229502**
E-mail : **mines@deccancements.com**
Phone : **08683-229529**
- (f) Police Station : **PALAKAVEEDU**
- (g) First opening date : **07/08/2000**
- (h) Weekly day of rest : **SUN**
2. Address for : M/s Deccan Cements,
correspondance Mahamkaligudem,Mandal:palakaveedu
Suryapet District,Telangana State
3. (a) Lease Number : **APR1389**
- (b) Lease area : **73.93**
- (c) Period of lease : **50**
- (d) Date of Expiry : **08/02/2050**
4. Mineral worked : **LIMESTONE** Main

5. Name and Address of the

Lessee : M/S DECCAN CEMENT LIMITED
 DECCAN CHAMBERS 6-3-666/B,
 SOMAJGUDA HYDERABAD
 HYDERABAD TELANGANA
 Phone:3310168, 3310552, 3310561, 3310599
 FAX :(91) 040-3318366

Owner : P. VENUGOPALA RAJU
 DECCAN CHAMBERS 6-3-666/B
 SOMAJGUDA HYDERABAD
 NALGONDA TELANGANA
 Phone: 3310168 3310552
 FAX : 0403318366

Agent : S.VENKATESWARULU
 SAGAR CEMENTS LTD
 MATTAMPALLY VILLAGE AND
 MANDAL NALGONDA DISTRICT
 NALGONDA TELANGANA
 Phone: 08683247029
 FAX : 08683247041

Mining Engineer

Name : D KALYAN CHAKRAVARTHY,Full Time
 Qualification : M.Tech
 Appointment/ : 08/02/2012
 Termination date

Geologist

Name : A RAMBABU,Full Time
 Qualification : M.Sc.
 Appointment/ : 02/09/2011
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	14/05/2002
		Modif.of approved Mining Plan	24/07/2003
		Mining Scheme rule 12 MCDR1988	13/09/2006
		Modif.approved Mining Scheme	25/04/2007
		Mining Scheme rule 12 MCDR1988	07/09/2010
		MP modif under MCR 1960	31/08/2015
		MP modif under 17(3) MCR 2016	02/04/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals exists in the year 2017-18	-	-
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposals exists	However, the lessee so far carried out G1 scale of exploration over an extent of 67.223 ha out of 73.93 ha.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration agency's name is proposed	-	The total expense so far incurred is Rs.19,00,000/-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	-	However exploration is proposed over an extent of 6.707 ha in the year 2018-2019.
1e	Balance reserve as on 01/04/20	11.935 million Tonnes	11.935 million Tonnes	A fresh estimated reserve figures have been furnished in the modified approved mining plan dated 2.4.2018.
1f	General remarks of inspecting officers on geology, exploration etc	The deposit is simple sedimentary bedded deposit of Type-I category of UNFC system.	The deposit falls in Type-1 of UNFC system and it pertains to Nargi group of formation of Kurnool group (Equivalent of Semri series of Vindhyan system. An extent of about 6.707 ha is due for exploration and the same is proposed in the year 2018-19. The rest of the ML area has been explored in G1 Scale of exploration.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	N1279-1500 E98-W18	During the insection, it was observed that, the development cum production has laterally exceeded the approved grid lines due to excess production done.	A violation cum Showcause notice was issued to the lessee on account of excess production and subsequently prosecution is being launched in the Court of law.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposals for top soil, OB benches have made.	There exists no top soil and Overburden.	
2c	Stripping ratio or ore to OB ratio	No such proposal exists.	-	
2d	Quantity of topsoil generation in m3	No such proposal exists.	Nil.	
2e	Quantity of overburden generation in m3	Nil	-	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development cum production is proposed in the Northern block in four benches between gridlines N1279-1500 E98-W18	Development is in the form of formation of Limestone benches. The advancement of the benches have been exceeded the approved grid lines. There is no existance of top soil and overburden.Thus there are no top soil/OB benches. Four benches in Limestone have been formed.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One.	

3b	Quantity of ROM mineral production proposed	ROM production proposed is 3,00,420T of Limestone.	ROM production achieved during 2017-18 is 11,25,000 T	There is exzcess production for which violation has been ponited out vide this Office lr.no. dated 5.4.2018. Suubseqently a Court case of prosqution is being launched.
3c	Recovery of sailable/usable mineral from ROM production	100%	100% ROM being consumed.	
3d	Quantity of mineral reject generation	Nil	-	
3e	Grade of mineral rejects generation and threshold value declared.	No mineral rejection proposals exists. The Threshold value for Limestone is CaO=34% (Min) &MgO=5%(Max).	There is no generation of mineral rejects. The Limestone occuring in the ML area is above threshold limits.	
3f	Quantity of sub grade mineral generation.	Nil	Nil.	
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to carry out mining operations by mechanised method.	All the operations are being carried out by mechanised method.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal is made.	-	
3j	Provision of drilling and blasting in mineral benches	Yes,	Provision of drilling and blasting in mineral benches has been made as per the proposals made in the approved document.	
3k	Provision of mining machineris in mineral benches	Yes,	Provision for the development by mining machinary in mineral benches has been made. The width of the bench is about 25-30m.	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposals on OB as there is no OB. 7m bench height proposals have been given in Limestone.	As proposed 7m bench height in Limestone is maintained.	
3m	Total area covered under excavation/pits	55.5 ha	Around 56.5 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	None.	None.	
3o	Total area put in use under different heads at the end of year	57.2 ha	Around 58.0 ha	
3p	Production of ROM mineral during the last five year period as applicable	2013-14=20,74,711 T, 2014-15=20,95,838 T, 2015-16=18,01,508 T, 2016-17=11,13,099 T & 2017-18=3,00,420 T.	2013-14=13,72,000 T, 2014-15=13,07,500 T, 2015-16=13,65,000 T, 2016-17=14,30,000 T & 2017-18=11,25,000 T.	
3q	General remarks of inspecting officers on method of mining etc.	Opencast fully mechanised method of mining is proposed.	The mining operations are being carried out by opencast fully mechanised method of mining is practiced.	There is an excess of production during 2016-17 and 2017-18 for which Violation was issued and this is being followed up by launching prosecution in the court of law.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No such proposal is made.	-	
4b	Location of topsoil, OB and mineral reject dumps	No such proposal is made.	-	

4c	Number of dumps within lease area and outside of lease area	No proposal is made since there is no generation of waste material/rejects.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposal is made.	-
4e	Number of active and alive dumps.	No such proposal is made.	Nil
4f	Number of dead dumps.	No such proposal is made.	No dead dumps exists.
4g	Number of dumps established.	No such proposal is made.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal is made.	-
4i	Length of Retaining wall or garland drain all along dumps	No such proposal is made.	-
4j	Number of settling ponds	No such proposal is made.	Nil.
4k	Specific comments of inspecting officer on waste dump management	There are no proposals of waste dump since there is no generation of waste material/mineral reject.	Entire ROM is consumed. There are no generation of mineral rejects/waste.

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 such proposal is made.	-	The Limestone is yet to be exahusted.

5b	Area under backfilling of mined out area	No such proposal is made.	Nil.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal is made.	None.	
5d	Total area fully reclaimed and rehabilitated	No such proposal is made.	Nil.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	There are no proposals of backfilling and reclamation.	-	The mineral is yet to exhaust at depth and thus there are no proposals of back filling and 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).	Yes,	The enviromental protective measure statement has been submitted and found to be in order.	
6b	Area available for rehabilitation (ha) .	No such proposal is made.	Nil	
6c	afforestation done (ha).	300 saplings over an extent of 0.15 ha is proposed in the year 2017-18.	As proposed, afforestation over an extent of 0.15 ha by sapling of 300 saplings is done.	
6d	No. of saplings planted during the year	300 saplings	300 saplings have been done during 2017-18	
6e	Cumulative no .of plants	About 25,230 saplings.	34,680 saplings.	
6f	Any other method of rehabilitation	No such proposal is made.	None.	
6g	Cost incurred on watch and care during the year	Yes,	Rs.1,43,000/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal is made.	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal is made.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposal is made.	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal is made.	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal is made.	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No such proposal is made.	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No such proposal is made.	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal is made.	-

6p	Compliance of environmental monitoring (core zone and buffer zone)	Quartely monitoring of Environmental parameters both in core and buffer zone is proposed.	Environmental monitoring both in core and buffer zone as proposed is being carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No progressive closure proposals have been proposed except Environmental protective measures.	Environmental protective measures have been undertaken. Further Environmental parameters are being monitored periodically and the parameters are found to be with in permissible limits.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No such proposal is made.	The entire ROM is being fed to crusher and then supplied to the plant for manufacturing for Cement.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal is made.	The entire ROM produced is of Cement grade.	
7c	Different grade of mineral sorted out at mines.	No such proposal is made.	-	
7d	Any beneficiation process at mines	No such proposal is made.	Except sizing no beneficiation is done.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation proposals are made since entire ROM as such is consumed.	There are no issues of mineral conservation. The entire ROM as such is consumed.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal is made.	There is no generation of top soil.
8b	Concurrent use or storage of topsoil	No such proposal is made.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No such proposal is made.	There is no generation of overburden, waste material and mineral rejects etc.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal is made.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal is made.	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The ML falls in forest area with a spread of shrubs.	The additional plantation in the form of complimentary afforestation is being done.
8g	Survival rate	75%	75%
8h	Water sprinkling on roads to control airborne dust	Yes, proposed.	Periodically water sprinkling is being done to arrest airborne dust.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Complimentary afforestation is proposed.	Complimentary afforestation is carried out in and around the lease area which adds aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly return shall be submitted before the 10th of every month in respect of preceding month. and annual return which shall be submitted before the 1st July each year for the preceding Financial year.	Annual and Monthly returns have been submitted with in the stipulated time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be appointed.	Mining Engineer and Geologist has been appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	To be furnished.	Furnished.	
9d	Scrutiny of Annual return on afforestation	To be furnished.	Furnished.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	To be furnished.	Furnished to be nil.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	To be furnished	It was proposed to produce 3,00,420 T of Limestone during 2017-18, however, the lessee has produced 11,25,000 T.	A violation cum Show cause notice was already issued to the lessee on account of excess production. Prosecution is being launched in the court of law.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	To be furnished.	Thr cost of production/ sale price is furnished to be Rs.158/T of Limestone.	

9h	Scrutiny of Annual return on fixed assets	To be furnished.	Furnished to be Rs. 206613304/-																					
9k	Scrutiny of Annual return on mining machineries	To be furnished.	mining Macinary details furnished in A/R and that exists at site are as below:																					
			<table border="0"> <thead> <tr> <th style="text-align: left;">Type of Machinery</th> <th style="text-align: left;">Capacity</th> <th style="text-align: left;">No.of units.</th> </tr> </thead> <tbody> <tr> <td>Shovel</td> <td>3.1 cum</td> <td>1</td> </tr> <tr> <td>Shovel</td> <td>2.1 cum</td> <td>1</td> </tr> <tr> <td>Shovel</td> <td>1.5 cum</td> <td>1</td> </tr> <tr> <td>Dumper</td> <td>35 T</td> <td>4</td> </tr> <tr> <td>Dozer</td> <td>165 HP</td> <td>1</td> </tr> <tr> <td colspan="3">Air Compressor, Blast hole drill & Explosive Van</td> </tr> </tbody> </table>	Type of Machinery	Capacity	No.of units.	Shovel	3.1 cum	1	Shovel	2.1 cum	1	Shovel	1.5 cum	1	Dumper	35 T	4	Dozer	165 HP	1	Air Compressor, Blast hole drill & Explosive Van		
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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

Date :

(M.Pratap.Reddy)

Indian Bureau of Mines