

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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 : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.Kalyan Chakravarthy, Mine Manager & Sri. A.RamBab  
Official with  
Designation
- (iv) Date of Inspection : 28-OCT-21
- (v) Prev.inspection date : 05-MAR-21

**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-AUG-00**
- (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-FEB-50**
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  
 SOMAJIGUDA 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-FEB-12  
 Termination date

## Geologist

Name : A RAMBABU, Full Time  
 Qualification : M.Sc.  
 Appointment/ : 02-SEP-11  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	14-MAY-02
		Modif.of approved Mining Plan	24-JUL-03
		Mining Scheme rule 12 MCDR1988	13-SEP-06
		Modif.approved Mining Scheme	25-APR-07
		Mining Scheme rule 12 MCDR1988	07-SEP-10
		MP modif under MCR 1960	31-AUG-15
		MP modif under 17(3) MCR 2016	02-APR-18
		MP review under 17(1) MCR 2016	15-NOV-19

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal in 2020-21.	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	----	Entire lease area is explored into G1 level	
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves as on 01/04/2021 - 5.015 million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Additional 35 Nos. boreholes proposed to drill upto the depth of mineralised area before during the plan period before 2024-25.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1090-1300 E 135-W-188	Work done within the proposed co-ordinates.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches proposed	4 benches in the mineral and there is no OB bench.	
2c	Stripping ratio or ore to OB ratio	No proposal	Nil	

2d	Quantity of topsoil generation in m3	No proposal	Nil	
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			Stratified deposit of regular habit and development is done in Limestone only. There is no existence of top soil and overburden.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	2020-21 - 300150 tonnes	2020-21 - 185000 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	

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3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil
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 in the mineral benches.	Wagon drill being used for drilling with a blast hole dia of 115 mm & depth of 7.7 m, spacing of 5 meters and burden of 3 meters. Blasting with slurry explosives with NONELS as initiating system. as initiating system.
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills, excavators & dumpers for drilling, loading & transporting of ore to crushing plant.	During inspection, it was observed that wagon drills, dumpers & excavators are being used for drilling, loading & transportation of ore to crushing plant
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain the bench height of 7 meters	Bench height is being maintained between 7 m and digging height of the excavators are compatible with bench height
3m	Total area covered under excavation/pits	65.074 ha	60.77 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	70.702 Ha	62.658 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17=11,13,099 T, 2017-18=3,00,420 T, 2018-19-1200544 T, 2019-20-1200195 T, 2020-21 - 300150 T	2016-17 - 14,30,000 T 2017-18 - 11,25,000 T, 2018-19 - 1202800 T, 2019-20 - 3,20,000 T, 2020-21 - 185000 T	
3q	General remarks of inspecting officers on method of mining etc.			Mining is carried out by fully mechanised method by deploying HEMM.

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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	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
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 such proposal is made.	Nil	
4f	Number of dead dumps.	No proposal	Nil	

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4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Nil	
4j	Number of settling ponds	Not applicable	Nil	
4k	Specific comments of inspecting officer on waste dump management			No OB is generated in the mining area and the topsoil is scrapped and utilised for plantation.

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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	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	The pit is not mined out upto its ultimate pit limit to start backfilling.
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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).	To be Submitted within time.	Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.166 Ha	0.166 Ha	
6d	No. of saplings planted during the year	415 Nos.	415 Nos.	
6e	Cumulative no .of plants	----	19115 Nos. of sapplings planted till 2020-21.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	
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 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
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2020-21 and all the parameters are within the permissible limit.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM produced is to be despatched.	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 proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.

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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.	Thin layer of topsoil found in the mining area is being scrapped and utilised for plantation.
8b	Concurrent use or storage of topsoil	No proposal	Thin layer of topsoil found in the mining area is being scrapped and utilised for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	There is no generation of overburden, waste material and mineral rejects.	
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)	415 Nos. of sapling at 0.166 Ha	415 Nos. of sapling at 0.166 Ha	
8g	Survival rate	No proposal	90%	
8h	Water sprinkling on roads to control airborne dust	Water tanker of 6 KL capacity shall be provided.	Water tanker with 6 KL capacity deployed for water sprinkling.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation is being carried out in and around the mine to improve aesthetic beauty.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return and annual return to be submitted	Monthly Return & Annual Return being submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. D.Kalyan Chakravarthy Mining Engineer- A V Suresh Babu Geologist- A.Rambabu	Manager - Sri. D.Kalyan Chakravarthy Mining Engineer- A V Suresh Babu Geologist-A.Rambabu	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open cast working - 60.77 Ha Infrastructure - 0.56 Ha Others - 1.328 Ha	Same as submitted	
9d	Scrutiny of Annual return on afforestation	415 Nos.	Broadly as submission and same quantity is verified in afforestation register maintained.	
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	Opening & Closing stock - 25566 Tonnes	Closing stock - 25566 Tonnes	

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production reported as Rs.207.22/-	Total depreciation, taxes are not matching with the cost per tonne calculation. Advised to correct the annual returns since it has been referred back by the MMS division.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported by the lessee in annual returns is Rs.371185777/-	Fixed assest could not be verified.
9k	Scrutiny of Annual return on mining machineries	Shovel : 3.1 cum-1 No., 2.1 cum -1 no., 1.5 cum- 1 no., Dumper(35 tonnes)-5 Nos., Drilling machine- 115 mm dia- 1 No., Dozer- 1 No., Water tanker - 2 Nos., Explosive van - 1 Nos.	All proposed machineries found in the mining area.

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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 :**

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines