

**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 : **RK13**) A.V.Ramesh Kumar
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri D Kalyan Chakravarthy(Chief Manager(Mines)
Official with
Designation
- (iv) Date of Inspection : 01/09/2017
- (v) Prev.inspection date : 13/03/2017

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 correspondance** : M/s Deccan Cements,
Mahamkaligudem,Huzurnagar,
Suryapet District,Telangana State
3. (a) **Lease Number** : APR1389
- (b) **Lease area** : 73.93
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 08/02/2020
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 : V.LAKSHANA RAO, Full Time
 Qualification : B.TECH(MINING ENGINEER)
 Appointment/ : 16/06/2009
 Termination date

Manager

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

6. Date of approval of Mining	:	Modif.of approved Mining Plan	14/05/2002
Plan/Scheme of Mining	:	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

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 exploration was proposed during 2016-17.	No exploration was carried out during 2016-17. However, a total of 55 CBH have been done with a total meterage of 1303 meters. The total area under G1 is 67.223 ha. The area under G4 is 6.707 ha.	--
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	None	None	--
1e	Balance reserve as on 01/04/20	The reserves as on 1.4.2017 are 8.362 million tonnes	The reserves are depreciated and the position as on 1.4.2017 is 8.362 million tonnes	--
1f	General remarks of inspecting officers on geology, exploration etc	---	The area under G1 is 67.86 ha and only 6.707 ha is remaining under G4.	--

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to develop the workings in N1279-1500 E98-W18	It was observed during the inspection the workings are being developed as per the proposal.	--
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches are proposed to be developed in topsoil or overburden during the year 2016-17.	It was observed during the inspection that no benches were developed in topsoil or overburden during the year 2016-17.	--

2c	Stripping ratio or ore to OB ratio	1:0	1:0	--
2d	Quantity of topsoil generation in m3	None	None	--
2e	Quantity of overburden generation in m3	None	None	--
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	--	None	--

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to work on the south west side of the present pit in grid points: N1279-1500 E98- W 18	It was noticed duirng the inspection that the workings are being carried out as proposed.	--
3b	Quantity of ROM mineral production proposed	It was proposed to produce 1.13 Million tonnes duirng the year 2016-17	Duirng the inspection and verification of records such as monthly returns and annual return 2016-17 it was noticed that a production of 1.43 million tonnes was produced.	The production was in excess of the proposed.As such a violation letter was issued for the same
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to use the entire limestone production for manufactuirng of cement	It was noticed that the entire ROM is being consumed for manufactuirng of cement plant.	--
3d	Quantity of mineral reject generation	None	None	--
3e	Grade of mineral rejects generation and threshold value declared.	None	None	--

3f	Quantity of sub grade mineral generation.	None	None	--
3g	Grade of sub grade mineral generation	None	None	--
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed to adpt/carry out mining operations by way of mechanised means.	It was observed that the mining operations are being carried out by way of mechanised means.	--
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	--
3j	Provision of drilling and blasting in mineral benches	Provision was made for carrying out drilling and blasting on the benches.	It was observed that provisions has been made for carrying out drilling and blasting on the benches.	--
3k	Provision of mining machineries in mineral benches	It was proposed to provide provision of mining machineries in mineral benches.	it was noticed duiing the inspection that provision has been made for mining machineries in mineral benches as the width of the benches is about 25-30 meters.	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a bench height suitable for method of mining proposed that is 7 meters.	It was observed duiing the inspection that a bench height of 7-8 meters is being maintained.	--
3m	Total area covered under excavation/pits	It was proposed to cover about 55 ha as on 1.4.2017	Duiing the inspection it was observed that the total are under workings is about 56 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	It was proposed to put about an area of 57.180 ha as on 1.4.2017	It was observed that an area of about 58.180 ha	--
3p	Production of ROM mineral during the last five year period as applicable	The proposed figures for production during the last five years are as follows(Million tonnes) 1. 2012-13- 1.97 2. 2013-14 - 2.0 3. 2014-15 - 2.0 4. 2015-16 - 1.8 5. 2016-17 - 1.13	The actual production reported based on monthly and annual returns for the last five years is as follows(Million Tonnes) 1. 2012-13 - 1.76 2. 2013-14 - 1.37 3. 2014-15 - 1.30 2015-16 - 1.36 2016-17 - 1.43	it was observed that the production for the year 2016-17 was in excess to the proposed for that year.as such a violation letter was issued for the same.
3q	General remarks of inspecting officers on method of mining etc.	--	It was observed that the mining operations were being carried out systematically.However, it was noticed that the production proposed for the year 2016-17 was 1.13 million tonnes and the production reported was 1.43 million tonnes.This is in excess to the proposed production for the year.as such a violation letter was issued to the lessee for the same.	--

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 was made for dumping OB/Minerals rejects	During the inspection it was observed there are no dumps.	--
4b	Location of topsoil, OB and mineral reject dumps	No proposal for generation of topsoil or OB.	There was no generation of topsoil or OB.	--

4c	Number of dumps within lease area and outside of lease area	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	--
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	None	None	--
4j	Number of settling ponds	None	None	--
4k	Specific comments of inspecting officer on waste dump management	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.	No proposals for reclamation of part or full extraction of minerals.	No reclamation was carried out duirng 2016-17.	--
5b	Area under backfilling of mined out area	No backfilling was proposed duirng the year 2016-17.	No backfilling was carried out duirng the year 2016-17	--
5d	Total area fully reclaimed and rehabilitated	---	No reclamation was carried out duirng 2016-17.However total area reclaimed since begining of the mining operations are 9 ha	--

5e	General remarks of inspecting officers on backfilling and reclamation etc.	--	None	None
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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	It was proposed to submit all statutory notices and returns.	The annual return pertaining to PMCP i.e. environmental protection measures was submitted by the lessee.	--
6b	Area available for rehabilitation (ha) .	None	None	--
6c	afforestation done (ha).	The afforestation proposed during the year 2016-17 was 300 saplings	During the inspection it was noticed that the proposed afforestation has been carried out.	--
6d	No. of saplings planted during the year	It was proposed to plant 300 saplings during the year 2016-17	A total of 300 saplings have been planted.	--
6e	Cumulative no .of plants	--	The cumulative plantation carried out from beginning was 34380.	--
6f	Any other method of rehabilitation	None	None	--
6g	Cost incurred on watch and care during the year	it was proposed Rs.2,00,000/-	The amount incurred during 2016-17 was Rs.2,50,000/-	--
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	None	None	--

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	--
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	None	None	--
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	--
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None	None	--
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	None	None	--
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	None	None	--
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	None	None	--
6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out the quarterly monitoring within core and buffer zone.	It was observed that regular quarterly monitoring of environmental parameters are being carried out and it was noticed that all the environmental parameters are within permissible limits.	--

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	It was observed that no reclamation proposals have been proposed for the year 2016-17.further all the environmental parameters are within permissible limits.	--
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to dispatch the ROM generated to crusher and then to plant for cement manufacturing.	It was observed that the Limestone produced is being fed to crusher and them supplied to the plant for manufactuirng the cement.	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There was no proposal for production grade wise limestone.	There is no production of grade wise limestone.The entire Limestone produced is of Cement Grade.	None
7d	Any beneficiation process at mines .	None	None	--
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	--	The proposed mineral conservation and mineral beneficiation practises are being followed.	--

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no proposal for generation of topsoil	no topsoil was generated.	--
8b	Concurrent use or storage of topsoil	None	None	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There was no proposal for dumps	No waste dumps were observed.	--

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	--
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	There was no proposal for any reclamation during the year 2016-17.	No reclamation was carried out during the year 2016-17.	--
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	As the lease are falls under forest, except for the are under active mining rest of the lease area is full of shrubbs and plantation made by the lessee.	As the lease are falls under forest, except for the are under active mining rest of the lease area is full of shrubbs and plantation made by the lessee.	--
8g	Survival rate	The proposed survival rate is 75%	The actual survival rate is also 75%.	--
8h	Water sprinkling on roads to control airborne dust	It was proposed to carry out water sprinling along the haulage roads and pit face for dust suppression.	It was noticed that dust suppression measures by way of water sprinkling are taking place.	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	The over all environmental protection measures taken by lessee are good and it was noticed that all the environmental parameters for water/air/soil etc are well within the permissible limits.	--

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	Monthly and Annual returns are being submitted regularly	---
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	It was reported in the Annual return 2016-17 that Sri Naresh Kumar is working as Mining Engineer and Sri A Rambabu as Geologist.	It was noticed that notice of appointment have been submitted by the lessee for the both the persons mentioned above.	--
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per Item No.12 it was reported in the Annual return 2016-17 that 55.180 ha is under mine working under forest area. Area reclaimed was 9.190 ha and area occupied by roads and buildings was 2 ha.	It was observed in the field that the area reported under mine workings is more or less same.	--
9d	Scrutiny of Annual return on afforestation	It was reported in the annual return 2016-17 that about 300 saplings were planted within the mining lease area and 880 outside the mining lease area.	It was observed that the proposed afforestation in approved document has been taken up. That is 300 saplings have been planted within the lease with a survival rate of 80%.	--
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No generation of mineral reject was reported in the Annual return 2016-17	It was noticed that there was no mineral reject was observed during the inspection.	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was reported in the annual return 2016-17 that 1.43 million tonnes was produced.	It was observed that as against the proposed target of 1.13 million tonnes 1.43 million tonnes was produced.	A violation letter for production in excess to the proposed was issued to the lessee.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	It was reported in the Annual Return 2016-17 that the ex-mine price as Rs.154.13/	The same was noticed during the inspection on verification of records.	--
9h	Scrutiny of Annual return on fixed assets	It was reported in the Annual Return 2016-17 that the value of fixed assets as Rs.173774228/-	No verification was made for figures reported for value of fixed assets.	--
9k	Scrutiny of Annual return on mining machineries	The list of Mining Machinery reported in the Annual return 2016-17 was Name of the Machinery Capacity No. of unit 1. Shovel(Hydraulic)- 2.100 Cum 012. Shovel(Hydraulic) 1.800 Cum 01 3. Shovel (Hydraulic) 1.700 Cum 02 7. Air Compressor -12 4. Dumper 35 tonnes 04 5. Tipper 12 tonnes 01 6. Wheel Loader 2 Cu.M Blast host drill 115 MM dia Explosive van 3.310 Tonne	All the machinery could not be observed during the inspection except few dumpers/one shovel all other machinery was noticed.	---

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 11(1)	14/09/2017			

Date :
(A.V.Ramesh Kumar)

Indian Bureau of Mines