

**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 : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 05-MAR-21
- (v) Prev.inspection date : 24-DEC-18

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 correspondance** : M/s Deccan Cements,
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	Entire lease area is cover under G1 level of exploration.	
1b	Exploration over lease area for geological axis 1 or 2	To cover entire mineralised area within the lease in G1 level of exoploration	Entire lease area has been explored in G1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Rs 900000.00(Including drilling and analysis)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	Entire lease area explored in G1 level	
1e	Balance reserve as on 01/04/20		Reserves-4.0246 mt	
1f	General remarks of inspecting officers on geology, exploration etc			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.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1253-1595 E 67-W-197	workings are being carried out within approved proposals.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	4 benches in the mineral and there is no OB bench.	4 benches in the mineral and there is no OB bench.	

2c	Stripping ratio or ore to OB ratio	1:0	1:0
2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	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.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	
3b	Quantity of ROM mineral production proposed	2019-20 12,00,195 tonnes	2019-20 3,20,000 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No mineral rejection proposals exists.	There is no generation of mineral rejects.	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	No proposal	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	No such proposal has been approved.	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal is made.	Nil	
3j	Provision of drilling and blasting in mineral benches	115 mm dia drill, Spacing-5.0 mtrs and Burden-3.0 mtrs, Depth of hole-7.7m	115 mm dia drill-Atlas Wagon Drill, Spacing-5.0 mtrs and Burden-3.0 mtrs, Depth of hole-7.7m	
3k	Provision of mining machineries in mineral benches	Excavator- 2.1m ³ - 1no,Excavator- 1.8m ³ - 2nos,Dumper(BE ML)-35 tonners-2nos	Excavator-2.1m ³ - 1no,Excavator-1.8m ³ - 2nos,Dumper(BEML)-35 tonners-2nos	Some of the machines are used in adjacent lease of same lessee
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed Bench height is 7m is suitable for the machine of 1.8 cum capacity	Bench height is around 7m and the excavators boom height can easily reach the height.	
3m	Total area covered under excavation/pits	65.074 ha	58.68 ha approx.	
3n	Ore to OB ratio for the pit/mine during the year.	None	Not Applicable	
3o	Total area put in use under different heads at the end of year	64.338 ha	59.942 ha	

3p	Production of ROM mineral during the last five year period as applicable	2015-16=18,01,508 T, 2016-17=11,13,099 T, 2017-18=3,00,420 T, 2018-19-1200544 T, 2019-20-1200195 T	2015-16=13,65,000 T, 2016-17=14,30,000 T & 2017-18=11,25,000 T, 2018-19- 1202800 T, 2019-20 = 3,20,000 T
3q	General remarks of inspecting officers on method of mining etc.	Opencast fully mechanised method of mining is adopted using HEMM with Deep hole drilling and Blasting by maintaining bench height of 7 meters with width more than height	

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.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No such proposal is made.	Nil	
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.	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposal is made.	Not Applicable as waste is not there within the mine.	
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.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No such proposal is made.	Nil
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.	Nil	
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.	Nil	
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.	Nil	The mineral is yet to exhaust at depth and thus there are no proposals of back filling and reclamation.
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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 such proposal is made.	Nil	
6c	afforestation done (ha).	0.20 Ha	0.20 Ha	
6d	No. of saplings planted during the year	500	500 saplings have been planted	
6e	Cumulative no .of plants		35280 sapplings have been planted	
6f	Any other method of rehabilitation	No such proposal is made.	None.	
6g	Cost incurred on watch and care during the year		Rs 2,00,000/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal is made.	Nil	

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

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.	PMCP is complied with.

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 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.	Nil	
7d	Any beneficiation process at mines	No such proposal is made.	Except crushing 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	Proposals	Actual work	Remarks
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.	Nil	
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.	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal is made.	Nil	
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. In total within the ML a total of 25730 nos of sapling plantation has been done in 22.15 Ha and outside ML a total of 9450 plants have been planted.	
8g	Survival rate		90%	
8h	Water sprinkling on roads to control airborne dust	Water tanker of 12 KL capacity shall be provided.	Water tanker with 12 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 are to be submitted regularly.	Monthly Return & Annual Return are submitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	To be appointed.	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 : 59.68 Ha	Within the approved proposal	
9d	Scrutiny of Annual return on afforestation	300 no of sapplings planted	Yes found planted	
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	25566 Tonnes	Stock-25566.00 tonnes of Limestone as submitted by lessee.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 224.04 Ex mine price, Cost of Production.	As submitted by Lessee.	

9h	Scrutiny of Annual return on fixed assets	253494587	As submitted by lessee.
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, Drilling machine- 115 mm dia- 1 No.	Above machines are deployed.

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines