

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : TS/LST-86/HYD

Mine code : 38TNG08001

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri Kalyan Chakravarthy
Official with
Designation
- (iv) Date of Inspection : 06-MAR-21
- (v) Prev.inspection date : 25-DEC-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : BHAVANIPURAM-III
- (b) **Registration NO.** : IBM/1029/2011
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : RAVIPAHAD
- Taluka : NEREDUCHERLA
- Post office : JANPAHAD
- Pin Code : 508218
- FAX No. : 08686-229502
- E-mail : mines@deccancements.com
- Phone : 08686-229502
- (f) **Police Station** : Palakeedu
- (g) **First opening date** : 23-MAR-15
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s Deccan Cements, Ravipahad Village,
Mandal: Palakeedu, Suryapet District
Telangana State
3. (a) **Lease Number** : TNG0017
- (b) **Lease area** : 183.11
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 27-DEC-63
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 : DECCAN CEMENTS LIMITED
 Ravipahad
 Village,Huzurnagar Mandal
 Suryapet District Telangana
 State NALGONDA TELANGANA
 Phone: 08686-229502
 FAX : 08686-229502

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

Mining Engineer

Name : CH.NARESH KUMAR,Full Time
 Qualification : B.Tech(MINING ENGINEERING)
 Appointment/ : 08-FEB-12
 Termination date

Geologist

Name : L.Srimannarayana,Full Time
 Qualification : M.Sc(geologist)
 Appointment/ : 28-APR-17
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	10-OCT-13
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	16-APR-18
	:	MP modif under 17(3) MCR 2016	19-NOV-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is 10 nos of core bore hole proposed during 2019-20.	10 nos core bore holes drilled.	The entire lease area has been explored under G1 level by 122 nos of core bore holes.
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area of 183.11 Ha	183.11 Ha explored under G1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	B.S.Envi Tech Pvt Ltd Exploratory Drilling-Rs 24,82,600.00 Sampling and analysis-Rs 10,78,200.00 GST-Rs 6,40,944.00	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		75.026 million tonnes-Reserves	As per reserves updated on 19.03.2021.
1f	General remarks of inspecting officers on geology, exploration etc			The deposit is very uniform and sufficient exploration is done.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E362420 E362720 and N1848380 N1848700	Mining carried out within the proposed area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	2 benches in the mineral and there is no OB bench	2 bench 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	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 and uniform deposit of regular nature.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One Pit	
3b	Quantity of ROM mineral production proposed	2019-20 : 18,01,238 tonness	2019-20 : 1,423,410 tonness	
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.	NA	NA	
3f	Quantity of sub grade mineral generation.	No Proposal	Nil	
3g	Grade of sub grade mineral generation	Not Applicable	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	No proposal for segregation	100% ROM is being utilised
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	Deep hole drilling and blasting Drilling pattern-5m X 3m X 8m 115mm dia - Atlas Wahon Drill	Deep hole drilling and blasting Drilling pattern-5m X 3m X 8m 115mm dia -Atlas Wahon Drill Slurry Explosives-20% ANFO-80%
3k	Provision of mining machineries in mineral benches	a) Dumpers 2 nos of 35 T capacity b) Tipper: 1 12cum c) Shovel: 3 nos with bucket capacity of 3.1, 2.1 cum and 1.5 cum d) drill machine - 115mm dia - 2 nos. e) Comprssor: 1 no with 470cfm and f) Dozer:1 3.6 cum	Provision for the development by mining machinary in mineral benches has been made. The width of the bench is about 25-30m. The deployed machinary is as follows: a) Shovel:3 nos (3.1 cum, 2.1 cum & 1.5 cum) b) Dumpers: 5 nos 35 T capacity, c) Dozer: 1 no. d) Drill machine: 3 nos(115 mm dia) e) Compressor: 3 no
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8m bench height using 3.1 cum shovel is suitable for this type of deposit..	yes suitable for this type of deposit
3m	Total area covered under excavation/pits	20.94 Ha	working within the approved proposals.

3n	Ore to OB ratio for the pit/mine during the year.	No OB generation proposed.	No OB generated	
3o	Total area put in use under different heads at the end of year	25.00 Ha	Total area put to use is within the approved proposals	
3p	Production of ROM mineral during the last five year period as applicable	2018-19-1.101600 million tonnes, 2019-20 = 1.801 million tonnes	2018-19-0.860000 million tonnes , 2019-20 = 1.423 million tonnes	
3q	General remarks of inspecting officers on method of mining etc.			The mining operations are being carried out by opencast fully mechanised method using HEMM with deep hole drilling and blasting.

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 as the ML area is devoid of Top soil and Overburden.	Nil	There is no top soil, OB or wsate dump in the ML area.
4b	Location of topsoil, OB and mineral reject dumps	No such proposal is made.	NA	
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.	NA	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	NA	NA
4g	Number of dumps established.	NA	NA
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	No such proposal is made.	NA
4j	Number of settling ponds	NA	NA
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 is 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, as no area is matured for backfilling	Nil	
5b	Area under backfilling of mined out area	NA	NA	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA
5d	Total area fully reclaimed and rehabilitated	NA	NA
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 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).	To be submitted in time	Submitted for the year 2019-20	
6b	Area available for rehabilitation (ha) .	No such proposal is made.	Nil.	
6c	afforestation done (ha).	2500 sappling in 1 Ha	2885 no sapplings planted over 1 Ha	
6d	No. of saplings planted during the year	2500 nos	2885 nos in 2018-19	
6e	Cumulative no .of plants	-	About 5500 sapplings	
6f	Any other method of rehabilitation	No such proposal is made.	NA	

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

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal is made.	NA
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.		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.	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.
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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.	NA	
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.	

8h	Water sprinkling on roads to control airborne dust	Yes, proposed.	Water tanker with 12 KL capacity deployed for water sprinkling.
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	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return 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	Mining Engineer : D Kalyana Chakravarthy, Geologist : L Sreemannarayan a	Above persons are deployed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining 14.235 Ha, Other infrastructure : 0.02 Ha`	Land use is within the area proposed	
9d	Scrutiny of Annual return on afforestation	2500	2500	
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	1200 Tonnes	As submitted by lessee	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 153.79/Tonne of Limestone. Ex mine price and Cost of Production	The cost of production and Ex Mine Prices is furnished to be Rs.153.79/Tonne of Limestone. Sale Price has been furnished as -Nil	
9h	Scrutiny of Annual return on fixed assets		Furnished to be Rs. 204281139/-	The figures furnished is common for both the mines(Bhavanipuram Lease-2& Lease-3)
9k	Scrutiny of Annual return on mining machineries	To be furnished	Mining Machinery details furnished in A/R and that exists at site are as below:	
			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
			5	
			Dozer	
				165 HP
			1	
			Air Compressor, Blast hole drill & Explosive Van	
			Water Tanker	

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