

INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR inspection REPORT  
Hyderabad regional office

Mine file No : AP/GNR/LST-48/HYD

Mine code : 38APR07054

- (i) Name of the Inspecting : M029 ) MADHU SUDHAN YADAV M  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. J. Ramakrishna, Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 21-SEP-22
- (v) Prev.inspection date : 20-NOV-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : KRISHNA LIMESTONE MINE (57)
- (b) Registration NO. : IBM/5580/2011
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : ANDHRA PRADESH  
District : GUNTUR  
Village : TANGEDA  
Taluka : DACHEPALLE  
Post office : TANGEDA  
Pin Code : 522414  
FAX No. : 08649273819  
E-mail : mines.bhavyacements@gmail.  
Phone : 9491066936
- (f) Police Station : Dachepalli
- (g) First opening date : 02-APR-12
- (h) Weekly day of rest : SUN
2. Address for : M/s. Bhavya Cements Limited,  
correspondance Tangeda (Village), Dachepalli (Mandal)  
Guntur district, AP-522414
3. (a) Lease Number : APR3189
- (b) Lease area : 57.19
- (c) Period of lease : 30
- (d) Date of Expiry : 28-APR-40
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : M/S BHAVYA CEMENTS LTD  
 A-1,2ND FLOOR, BHAVYA'S  
 SPOORTHY BHAVAN JUBILEE  
 HILLS HYDERABAD TELANGANA  
 Phone:040-23558384  
 FAX :040-23558393

Owner : P.SIVA KUMAR  
 PLOT.NO.A,2ND  
 FLOOR,BHAVYA'S SPOORTHY  
 BHAVAN,FILM NAGAR, JUBILEE  
 HILLS HYDERABAD TELANGANA  
 Phone: 040-23558384  
 FAX : 040-23558393

Agent : Sri.A.Amrutha Raju  
 Tangeda (V), Dachehalli(M)  
 Guntur dt. GUNTUR ANDHRA  
 PRADESH  
 Phone:  
 FAX :

## Mining Engineer

Name : B.JAGDEESH KUMAR, Full Time  
 Qualification : AMIE  
 Appointment/ : 01-FEB-17  
 Termination date

## Manager

Name : P.SURESHBABU  
 Qualification : DIPLOMA IN MINING  
 Appointment/ : 30-SEP-16  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	23-FEB-10
		MP modif under 17(3) MCR 2016	03-NOV-16
		MP review under 17(1) MCR 2016	24-JUL-20

## 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	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Entire area is covered under G1 level of exploration. 03 Nos. of core boreholes proposed to drill upto the depth of the contact zone.	
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves as on 01/04/2022 - 4885547 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire area has been explored in G1 Scale. The deposit is of simple stratified tabular in nature without any structural disturbances.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed to carry out Development and Production within grid interval N 1840500 to 1840700 E 373100 to 373300	Work done within the proposed co-ordinates	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal for topsoil benches, only mineral benches proposed	No topsoil benches developed, only mineral benches developed
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		Mining pit development is in initial stage. Mechanised method of mining has been adopted.

### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2021-22 - 8762.5 Tonnes	2021-22- 7500 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.	No proposal	Nil	

3f	Quantity of sub grade mineral generation.	No proposal	Nil
3g	Grade of sub grade mineral generation	No proposal	Nil
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 proposed in the mineral benches.	During inspection it was observed that Wagon drill being used for drilling with a blast hole dia of 115 mm & depth of 5.5 m, spacing of 4 meters and burden of 3 meters. Blasting with ANFO & slurry explosives with NONELS as initiating system.
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills, exvators & 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 5 meters	During inspection it was noticed that the bench height is being maintained 5 m and digging height of the excavators are compatible with bench height.

3m	Total area covered under excavation/pits	0.72 Ha	0.46 Ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	2021-22 - 6.55 Ha	2021-22- 0.46 Ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 26909 Tonnes 2018-19 - 26939 Tonnes 2019-20 - 26590 Tonnes 2020-21 - 8862 Tonnes 2021-22- 8762.5 Tonnes	2017-18 - 10925 Tonnes 2018-19 - 10190 Tonnes 2019-20 - 10300 Tonnes 2020-21 - 2800 Tonnes 2021-22 - 7500 Tonnes
3q	General remarks of inspecting officers on method of mining etc.		Fully mechanised Opencast Mining has been adopted by using HEMM like 2.5 cum excavator, 17 T dumpers with 115 mm dia drilling machines, Dozer etc.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	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 proposal	Nil
4f	Number of dead dumps.	No proposal	Nil
4g	Number of dumps established.	No proposal	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil
4j	Number of settling ponds	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management		

No waste generate in the mining area.

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	
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.

#### 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 as per rule	Submitted as per rule	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2021-22 - 0.03 Ha	2021-22 - 0.03 Ha	
6d	No. of saplings planted during the year	2021-22 - 70 Nos.	2021-22 - 110 Nos.	
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 2021-22 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.

#### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting, entire ROM produced to be dispatched to use for captive use in cement plant	No grade wise sorting ROM total quantity being used for captive consumption.	
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			Entire ROM is being consumed in captive cement plant

## Environment:

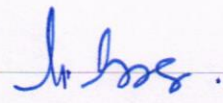
Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed to remove seprately and utilised for plantation	Topsoil removed seperately and utilised for plantation.	
8b	Concurrent use or storage of topsoil	To be used for plantation	Used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
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)	70 Nos. of saplings in 0.03 Ha area	110 Nos. of saplings in 0.03 Ha area	
8g	Survival rate	No proposal	75 %	
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust supression.	Water tankers provided for dust supression	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is beimg carried out to improve aesthetic beauty.

## Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be Submitted.	Monthly and Annual Returns are being submitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. T. Konda Reddy Mining Engineer - Sri. B. Jagadeesh Geologist - Sri. Md. Mastan Basha	Manager - Sri. T. Konda Reddy Mining Engineer - Sri. B. Jagadeesh Geologist - Sri. Md. Mastan Basha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 0.46 Ha Infrastructure - 2.017 Ha Plantation - 2.675 Ha	Pit - 0.46 Ha Infrastructure - 2.017 Ha Plantation - 2.675 Ha	
9d	Scrutiny of Annual return on afforestation	110 Nos.	110 Nos.	
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 stock - 565 Tonnes Closing stock - 2065 Tonnes	Opening stock - 565 Tonnes Closing stock - 2065 Tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production is Rs.574.35/-	Rs.574.35/-	
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Shovel (Hydraulic) - 1 No. Tipper - 2 No. Water Tanker - 1 No. Drill machine - 1 No.	Shovel (Hydraulic) - 1 No. Tipper - 2 No. Water Tanker - 1 No. Drill machine - 1 No.	

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 31(1)	29-SEP-22			



Date : 15/11/22

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines

