

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : C\$10) Ch.Suseela
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : J.RAMAKRISHNA,Dy.General Manager
Official with
Designation
- (iv) Date of Inspection : 30/08/2017
- (v) Prev.inspection date : 20/01/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KRISHNA LIMESTONE MINE(57
- (b) **Registration NO.** :
- (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.co
- Phone :
- (f) **Police Station** : Dachepalli
- (g) **First opening date** : 02/04/2012
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s. Bhavya Cements Limited,
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** : 28/04/2040
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

6. Date of approval of Mining : Fresh under rule 22 MCR1960 23/02/2010
Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 03/11/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	13 Core Bore Holes	NIL	Violation of Rule 11(1) has been pointed out to the party.
1b	Exploration over lease area for geological axis 1 or 2	15 ha	7.28 ha	
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	_____	49.91 ha	
1e	Balance reserve as on 01/04/20	Proved-4.93 mill. tonnes(111) Resources-12.78 mill.tonnes	Proved-4.93 mill. tonnes(111) Resources-12.78 mill.tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Lessee has not carried out exploration during the year 2016-17 as proposed. Hence violation of rule 11(1) has been pointed out to the party.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South to west	South to west	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	About 0.5 m top soil is there which is used for plantation.
2c	Stripping ratio or ore to OB ratio	1:0.098	1:0.084	

2d	Quantity of topsoil generation in m3	1004 cu.m	410 cu.m	Development work is going on.
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	_____	_____	The limestone occurs as a bedded deposit with out crops . In between the out crops, there is little quantity of top soil.

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	25504 tonnes	7350 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	Not Applicable	Not Applicable	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	Total ROM is being utilised.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable	
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Ex-200, Tipper & Water tanker	Ex-200, Tipper & Water tanker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, bench ht-6 m	Yes, bench ht-6 m	
3m	Total area covered under excavation/pits	0.29 ha	0.27 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.098	1:0.084	
3o	Total area put in use under different heads at the end of year	1.21 ha	1.37 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13--2,00,000 t, 2013-14--2,00,000 t, 2014-15--1,80,000 t, 2015-16--NIL, 2016-17--25504 t	2012-13--12,000 t, 2013-14--5000 t, 2014-15--3000 t, 2015-16--NIL, 2016-17--7350 t	
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	Open cast mechanised method of Mining is being practiced.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	NIL	
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Not Applicable	
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	NIL	NIL	
4f	Number of dead dumps.	Not Applicable	Not Applicable	
4g	Number of dumps established.	Not Applicable	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	waste dump management does not arise as there is no waste generation.

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.	Not Applicable	Not Applicable	

5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	Pit not matured for back filling.

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).	Annual Report on PMCP to be submitted.	Annual Report on PMCP submitted.	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	NIL	NIL	
6g	Cost incurred on watch and care during the year	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL
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.	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	80 plants	170 plants
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not Applicable	Not Applicable
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Applicable	Not Applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of environmental parameters has to be carried out.	Quarterly monitoring of environmental parameters is being carried out.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	Progressive mine closure operations are being carried out as per the proposals.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting is proposed	No grade wise sorting. Total ROM is being sent to crusher.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____	Total ROM is being utilised hence no beneficiation is necessary.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	To be used for plantation.	Using as bed for plantation within 7.5 m barrier zone	
8b	Concurrent use or storage of topsoil	For plantation	For plantation	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	80 plants	170 plants	
8g	Survival rate	80%	85%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads, dry fog system in crusher hopper and blasting muck pile wetting is proposed	Water sprinkling on haul roads, dry fog system in crusher hopper and blasting muck pile wetting is being practiced.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	Lessee has done complimentary afforestation which gives aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are being submitted regularly	Monthly and Annual Returns are being submitted regularly	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Sri B. Jagadeesh, Mines Manger- Sri.P.Suresh Babu	Mining Engineer- Sri B. Jagadeesh, Mines Manger- Sri.P.Suresh Babu	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits-0.27 ha, Area under Roads and Buildings-0.802 ha	Area under pits-0.27 ha, Area under Roads and Buildings-0.802 ha	
9d	Scrutiny of Annual return on afforestation	80	170	
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	2350 t	2350 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 190/- Captive consumption	Rs. 190/- Captive consumption	
9h	Scrutiny of Annual return on fixed assets	Rs.26222831/-	Rs.26222831/-	
9k	Scrutiny of Annual return on mining machineries	Excavators, Tippers, Drilling Machines	Excavators, Tippers, Drilling Machines	Mining Machinery is common for both the leases

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	22/09/2017			

Date :

(Ch.Suseela)

Indian Bureau of Mines