

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/GNR/LST-61/HYD

Mine code : 38APR07052

- (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 : 29/08/2017
- (v) Prev.inspection date : 20/01/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TANGEDU(346.32 HA)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : GUNTUR
Village : TANGEDA
Taluka : DACHEPALLI
Post office : TANGEDA
Pin Code : 522414
FAX No. : 08649-273819
E-mail : bhavyacementworks@gmail.com
Phone : 08649-273900
- (f) Police Station : DACHEPALLY
- (g) First opening date : 01/10/2010
- (h) Weekly day of rest : SUN
2. Address for : M/S BHAYA CEMENTS LTD,
correspondance : TANGEDA VILLAGE,
DACHEPALLY MANDAL
3. (a) Lease Number : APR3190
(b) Lease area : 346.32
(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
 GUNTUR ANDHRA PRADESH
 Phone:
 FAX :

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 :

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	31/08/2016

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 lessee.
1b	Exploration over lease area for geological axis 1 or 2	240.750 ha	105.57 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	_____	226.92 ha	
1e	Balance reserve as on 01/04/20	261.58 million tonnes	Reserves 41.820 mill. tonnes(111) 25.930 mill.tonnes(122) Resources 193.830 mill. tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	_____	_____	Proposed exploration during the year 2016-17 has not been carried out by the lessee. Hence violation of Rule 11(1) was pointed out to the Lessee.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North and East	North and East	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches	Only mineral benches	
2c	Stripping ratio or ore to OB ratio	1:0.3	NIL	

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	_____	_____	Development is being carried out as per the Proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	17,58,191 tonnes	10,55,205 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	Not Applicable	Not Applicable	100% captive consumption.
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	

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	Excavators, dumpers, tippers etc.,	Excavators, dumpers, tippers etc.,	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 8m ht	Yes, 8m ht	
3m	Total area covered under excavation/pits	15.06 ha	15.06 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.3	NIL	
3o	Total area put in use under different heads at the end of year	42.29 ha	42.29 ha	
3p	Production of ROM mineral during the last five year period as applicable	2012-13--4037000 t, 2013-14--3998000 t, 2014-15--4000000 t, 2015-16--NIL, 2016-17--1752845 t	2012-13--1058100 t, 2013-14--897900 t, 2014-15--753155 t, 2015-16--976380 t, 2016-17--1055205 t	Less production is due to operation of the plant is not to its full capacity and proposed expansion of the second plant is to be started.
3q	General remarks of inspecting officers on method of mining etc.	_____	_____	The open cast mechanised method of Mining is being practiced as per the proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Applicable	Not Applicable	
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	One old dump within ML	One old dump within ML	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	NIL	NIL	
4f	Number of dead dumps.	One	One	
4g	Number of dumps established.	one	one	
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain all along the dump	Garland drain all along the dump.	
4i	Length of Retaining wall or garland drain all along dumps	90 m	90 m	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management	_____	_____	There is one old dump which was stabilised.

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	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Applicable	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	_____	_____	Pit not matured for 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).	Yes	Yes	
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	1280	2400
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring is to be carried out	Quarterly environmental monitoring is being carried out

6q General remarks _____
of inspecting _____
officers on PMCP _____
compliance and _____
progressive _____
closure _____
operations etc.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	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	_____	_____	_____

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	No top soil is being generated.
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Applicable	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	_____	whatever generated is used for bed for plantation.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1280 plants 3.20 ha	2400 plants 3.35 ha	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads is proposed.	water sprinklers arranged along the haul roads, dry fog system in crusher hopper and blasting muck pile wetting with water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	Lessee has made complimentary afforestation within and outside ML 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 and Annual Returns are being submitted in time	Monthly and Annual Returns are being submitted in time	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri. K.Harshath, Mining Engineer and Sri. B.Maheswara, Geologist	Sri. K.Harshath, Mining Engineer and Sri. B.Maheswara, Geologist
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits-15.060 ha, Dump-1.40 ha, Area under Roads & Buildings- 11.30 ha	Area under pits-15.060 ha, Dump-1.40 ha, Area under Roads & Buildings- 11.30 ha
9d	Scrutiny of Annual return on afforestation	No. of plants- 2400 Area covered- 3.35 ha	No. of plants-2400 Area covered- 3.35 ha
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	38423 tonnes	38423 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- Rs.180/-, captive consumption	Cost of production- Rs.180/-, captive consumption
9h	Scrutiny of Annual return on fixed assets	Rs.26222831/-	Rs.26222831/-
9k	Scrutiny of Annual return on mining machineries	Excavators, dumpers, Tippers etc.	Excavators, dumpers, Tippers etc.

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)	22/09/2017			

Date :

(Ch.Suseela)

Indian Bureau of Mines