

**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 : **PG01** ) **P.GURUVAIAH**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri J.Rama krishna DGM (Mines)  
Official with  
Designation
- (iv) Date of Inspection : 20/01/2017
- (v) Prev.inspection date : 20/03/2015

**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 : P.BIKSA REDDY  
 BHAVYA CEMENT LTD, TANGEDA,  
 GUNTUR NALGONDA TELANGANA  
 Phone:  
 FAX : 08649273819

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	Completed as per previous approved Mining plan.	Total 41 core bore holes drilled within the lease area.	Total 41 core bore holes drilled within the lease area.
1b	Exploration over lease area for geological axis 1 or 2	105.57 ha	105.57 ha.	105 57 ha.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Mapp drilling & Exploration Pvt Ltd,hyderabad .- 5000517rs=34, 21,430/ (2010-15.)	Mapp drilling & Exploration Pvt Ltd,hyderabad.-5000517 Rs=34,21,430/ (2010-15.)	Mapp drilling & Exploration Pvt Ltd,hyderabad.- 5000517 Rs=34,21,430/ (2010-15.)
1d	Balance area to be explored to bring Geological axis in 1 or 2	226.92	226.92	226.92
1e	Balance reserve as on 01/04/20	Total geological Resurves= 262.63 Million Tonnes.	Total geological Resurves= 262.63 Million Tonnes.	Total geological Resurves= 262.63 Million Tonnes.
1f	General remarks of inspecting officers on geology, exploration etc	Total 41 core bore holes	Total 41 core bore holes completed.	Total 41 core bore holes completed.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per approved Minig plan.	As per approved Mining plan	As per approved Mining plan.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No propoasl.	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1 : . 00.3	1 : 00.3	Nil
2d	Quantity of topsoil generation in m3	No proposal.	Nil	Nil

2e	Quantity of overburden generation in m3	No proposal.	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Bedded deposit one pit	Bedded deposit one pit	Third bench is water logged present workings are in 2nd bench Northern side.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 pit	1 pit	1 pit
3b	Quantity of ROM mineral production proposed	17,52,845	7,89,900	They could not operate their plant to its full capacity because of slump in cement market and financial difficulties.
3c	Recovery of sailable/usable mineral from ROM production	Not specified.	Nil	Nil
3d	Quantity of mineral reject generation	Not Specified.	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not Specified.	Nil	Nil
3g	Grade of sub grade mineral generation	No proposal.	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Nil	Nil

3j	Provision of drilling and blasting in mineral benches	yes as per the proposal.	yes.	Yes.
3k	Provision of mining machineries in mineral benches	As per the approved Mining plan height of bench 8 mts.	As per the approved Mining plan height of bench 8 mts.	As per the approved Mining plan height of bench 8 mts.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	As per the approved Mining plan height of bench 8 mts.	As per the approved Mining plan height of bench 8 mts.	As per the approved Mining plan height of bench 8 mts.
3m	Total area covered under excavation/pits	15.06 ha	15.06 ha.	15.06 ha.
3n	Ore to OB ratio for the pit/mine during the year.	01 : 00.3	Nil	Nil
3o	Total area put in use under different heads at the end of year	38.89 ha.	38.89 ha.	38.89 ha.
3p	Production of ROM mineral during the last five year period as applicable	14.67 Million tons 2010-2015.	4.1 Million tons 2010-2015.	They could not operate their plant to its full capacity and proposed expansion of 2nd cement plant to be started.
3q	General remarks of inspecting officers on method of mining etc.	As per the approved mining plan.	As per the approved Mining plan height of bench 8 mts.	As per the approved Mining plan height of bench 8 mts.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal.	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	Western side of the Mining lease.	western side of the Mining lease.	western side of the Mining lease.

4c	Number of dumps within lease area and outside of lease area	only one dump located within the mining lease.	only one dump located within the mining lease.	only one dump located within the mining lease.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Western side of the Mining lease area.	Western side of the Mining lease area.	Western side of the Mining lease area.
4e	Number of active and alive dumps.	one dump	one dump	one dump.
4f	Number of dead dumps.	one dump	one dump	one dump.
4g	Number of dumps established.	one dump	one dump.	one dump.
4h	Whether Retaining wall or garland drain all along dumps are there.	garland drains provided.	garland drains provided.	garland drains provided.
4i	Length of Retaining wall or garland drain all along dumps	90 mts	90 mts	90 mts.
4j	Number of settling ponds	No proposal.	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	one dump in western side of the mining lease area.	one dump in western side of the mining lease area.	one dump in western side of the mining lease area.

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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	Nil
5b	Area under backfilling of mined out area	No proposal.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	Nil

5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	Nil

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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).	Yes	Yes.	Yes.
6b	Area available for rehabilitation (ha) .	No proposal.	Nil	Nil
6c	afforestation done (ha).	No proposal.	Nil	Nil
6d	No. of saplings planted during the year	No proposal.	Nil	Nil
6e	Cumulative no .of plants	As per approved mining plan	As per approved mining plan.	as per approved mining plan.
6f	Any other method of rehabilitation	No proposal.	Nil	Nil
6g	Cost incurred on watch and care during the year	No proposal.	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal.	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	Nil

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal.	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	As per approved mining plan.	As per approved mining plan.	As per approved Mining plan.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal.	Nil	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	Nil	Nil
7c	Different grade of mineral sorted out at mines.	No proposal.	Nil	Nil
7d	Any beneficiation process at mines	No proposal.	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal.	Nil	Nil

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Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	whatever generated is utilized for plantation.	whatever generated is utilized for plantation.
8b	Concurrent use or storage of topsoil	Intercalated waste generating during the mining operations is utilizing as bed for plantation.	Intercalated waste generating during the mining operations is utilizing as bed for plantation.	Intercalated waste generating during the mining operations is utilizing as bed for plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Nil	Nil

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Using as bed for the plantation 7.5 mts buffer zone.	Using as bed for the plantation 7.5 mts buffer zone.	Using as bed for the plantation 7.5 mts buffer zone.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10 ha green belt area developed and proposal of 3.20 ha in 2015-16	completed as per approved modified mining plan.	completed as per approved modified mining plan.
8g	Survival rate	80%	85%	85%
8h	Water sprinkling on roads to control airborne dust	Water Sprinklers arranged along the haul roads ,dry fag system in crusher hopper and blasting muck file wetting.	Water Sprinklers arranged along the haul roads ,dry fag system in crusher hopper and blasting muck file wetting.	Water Sprinklers arranged along the haul roads ,dry fag system in crusher hopper and blasting muck file wetting.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No proposal.	Except degraded land area rest of area not distrubed.	Except degraded land area rest of area not distrubed.

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**Compliance of Rule 45:**


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Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes	Submitted Monthly ,Annual Returns.

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes.	Yes.	Yes.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Yes	Yes
9d	Scrutiny of Annual return on afforestation	yes	Yes.	Yes.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes.	Yes.	Yes.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Yes	Yes.
9h	Scrutiny of Annual return on fixed assets	yes.	Yes.	Yes.
9k	Scrutiny of Annual return on mining machineries	Yes.	Yes.	Yes.

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**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 :**

(P.GURUVAIAH)

Indian Bureau of Mines