

**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 : S11 ) SHAILENDRA KUMAR  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Sri J Ramakrishna Manager(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 07/02/2019
- (v) Prev.inspection date : 29/08/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : TANGEDU(346.32 HA)
- (b) **Registration NO.** : IBM/5580/2011
- (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 correspondance** : M/S BHAYA CEMENTS LTD,  
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), Dachepalli(M)  
           Guntur dt. GUNTUR ANDHRA  
           PRADESH  
           Phone:  
           FAX :

## Mining Engineer

Name : K HARSHATH, Full Time  
 Qualification : B TECH MINING  
 Appointment/ :  
 Termination date

## Geologist

Name : B MAHESWARA, Full Time  
 Qualification :  
 Appointment/ :  
 Termination date

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	Proposal was made in the year 2016-17 to carry out drilling of 14 bore holes.The same was carried out in the year 2017-18.	During the year 2017-18 14 core bore holes were made.	The lessee has carried out exploration during the year 2017-18 for the proposals made in the year 2016-17.
1b	Exploration over lease area for geological axis 1 or 2	48.42 ha	48.42 ha	None
1c	Exploration Agencies and Expenditure in lakh rupees during the year	---	M/s NRDCS has carried out the exploration incurring an expenditure of Rs.8,65,760/-	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	193.86 ha remaining to be explored to bring it under G1 & G2	Exploration is proposed during the remaining plan period of the document	None
1e	Balance reserve as on 01/04/20	104.61 Million tonnes	104.61 Million tonnes	--
1f	General remarks of inspecting officers on geology, exploration etc	None	None	None

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed to carry out development in the North and Eastern part of the pits.	During the inspections it was observed that development is being carried out as proposed in the approved document.	None
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches are proposed for topsoil.Only benches in Mineral are proposed.	During the inspection it was observed that the topsoil is being consumed along with the ore.	A violation under Rule 36(1) of MCDR,2017 for topsoil not being removed properly

2c	Stripping ratio or ore to OB ratio	01:0.003	Nil	None
2d	Quantity of topsoil generation in m3	Nil	Nil	None
2e	Quantity of overburden generation in m3	Nil	Nil	None
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	None	None	None

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	It was proposed to work from one pit only.	It was observed that only one pit is being operated.	None
3b	Quantity of ROM mineral production proposed	It was proposed to produce 1.75 Million tonnes durring 2017-18	The actual production reported durring 2017-18 was 0.94 Million tonnes	None
3c	Recovery of sailable/usable mineral from ROM production	Total ROM to be used in plant	Total ROM generated is being utilised in captive cement pkant of lessee company.	None
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	It was proposed operate the lease by way of mechanised method	The mining operations are being carried out by way of mechanised method	None

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	provision has been made for carrying out drilling and blasting in minerals benches	Drilling and blasting being carried out in the mineral benches	None
3k	Provision of mining machineries in mineral benches	Provision is made for operating mining machinery in the mineral benches	Heavy machinery being utilised in the mineral benches.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The height of the benches is being maintained at 8 meters.	None
3m	Total area covered under excavation/pits	--	19.28 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	1:0.03	Nil	None
3o	Total area put in use under different heads at the end of year	--	The total area put to use under different heads is 49.81 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2014-15- 3.9 Million tonnes 2015-16 - 4.0 million tonnes 2016-17 - 1.75 million tonnes 2017-18- 1.75 Million tonnes	2014-15 - 0.75 million tonnes 2015-16 - 0.97 million tonnes 2016-17 - 1.05 million tonnes 2017-18 - 0.94 million tonnes	None
3q	General remarks of inspecting officers on method of mining etc.	None	None	None

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	None
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	None
4c	Number of dumps within lease area and outside of lease area	Nil	One old in active dump is there.	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	None	None
4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	--	One	None
4g	Number of dumps established.	Nil	Nil	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	One retaining wall provided	None
4i	Length of Retaining wall or garland drain all along dumps	Nil	500 Meters	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	None

#### 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.	Nil	Nil	None

5b	Area under backfilling of mined out area	Nil	Nil	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	None
5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	None

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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).	--	The annual report under rule 26(2) submitted by lessee.	None
6b	Area available for rehabilitation (ha) .	Nil	None	None
6c	afforestation done (ha).	1300	1360	None
6d	No. of saplings planted during the year	1300	1360 duirng the year 2017-18	None
6e	Cumulative no .of plants	--	14000 no.s	None
6f	Any other method of rehabilitation	Nil	Nil	None
6g	Cost incurred on watch and care during the year	--	It was reported that thecost incurred for watsh and ward is Rs.5,00,000/- per year.	None

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil



6p	Compliance of environmental monitoring (core zone and buffer zone)	It was proposed to carry out environmental monitoring in core and buffer zone.	Quarterly monitoring of environmental parameters in core and buffer zone being carried out regularly.	None
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	None	The entire ROM being consumed in the captive plant of lessee company.	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	Nil	Nil	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	None
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	None	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	Nil	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	None	Except for the plantation made by lessee and few bushes, no other vegetatin was noticed in the mining lease area.	None
8g	Survival rate	75%`	80%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinklers	It was noticed duirng the inspection that water sprinklers are being used for dust suppression	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	None	None	None

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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 proposed to be submitted in time.	Al the Monthly and Annual returns are being submitted in time	None

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	None	In the annual return 2017-18, it was noticed that the mining engineer is Sri K harshith and Geolgist is Sri Maheswara	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	--	As per the annual return 2017-18 the area degraded by mining is 19.280 ha, waste dump is 1.4 ha and greebelt development is 17.8 ha	None
9d	Scrutiny of Annual return on afforestation	--	As per the Annual return 2017-18, No. of trees planted are 1360 with a survival rate of 80%	None
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	It was proposed to produce 1.7 Million tonnes duirng 2017-18	The actual production reported was 0.94 Million tonnes.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	--	The ex-mine price reported in the annual return is Rs.180/-	None
9h	Scrutiny of Annual return on fixed assets	--	The value of fixed assets reported in the annual return 2017-18 is 11080974/-	None
9k	Scrutiny of Annual return on mining machineries	--	The mining machinety reported as per annual returns 2017-18 are as follows: Wagon drill -1 Air compressor-1 Hydraulic shovel - 1 Dumper - 1 Tipper - 5 Dozer - 1 Water tanker - 1 Road Roller - 1 Explosive van - 1	None

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**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 36(1)	19/02/2019			

**Date :**

**(SHAILENDRA KUMAR)**

Indian Bureau of Mines