

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/ANP/LST-36/HYD

**Mine code :** 38APR02052

- (i) Name of the Inspecting : PG01 ) P.GURUVAIAH  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SURESH REDDY, MINES MANAGER. VENKATA RAMANA, GEOLOGIST.  
Official with  
Designation
- (iv) Date of Inspection : 18/07/2018
- (v) Prev.inspection date : 06/03/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : GUDIPADU(454.59 HA)
- (b) **Registration NO.** : IBM/18063/2014
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : ANANTAPUR
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : 04023356573
- E-mail : sureshreddys@sagarcements..
- Phone : 04023351571
- (f) **Police Station** :
- (g) **First opening date** : 23/12/2015
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/s BMM Cement  
Gidipadu village & Post, Yadkli Mandal,  
Distt- Ananthapur, Andhra Pradesh
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : LIMESTONE Main

## 5. Name and Address of the

Lessee : BMM CEMENT LTD  
101, 1ST FLOOR, PRIDE ELITE  
nO. 10, mUSEUM rOAD,  
BANGALORE. ANANTAPUR ANDHRA  
PRADESH  
Phone:  
FAX :

Owner : S.ANANDA REDDY  
H.NO.8-2-472/B/2,ROAD NO.1  
BANJARA HILLS HYDERABAD  
HYDERABAD TELANGANA  
Phone: 04023351571  
FAX : 04023356573

Agent : V.C.Honnur Saheb  
c/o M/s BMM Cements Limited  
Gudipadu village, Yadiki  
Mandal, ANANTAPUR ANDHRA  
PRADESH  
Phone:  
FAX :

Mining Engineer  
Name : SIRAM SURESH REDDY,Full Time  
Qualification : BE MINING ENGINEERING  
Appointment/ : 16/12/2015  
Termination date

6. Date of approval of Mining :  
Plan/Scheme of Mining

## 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	geological Axis -1.	106 no of core bore holes completed.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Expenditure is not Specified.	Expenditure -Rs= 25,85,712.,	Completed in june ,2017.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	275.17 Mil.Tons.	-
1e	Balance reserve as on 01/04/20	128.58 Mil.Tons.	128.0925 Mil.Tons.	-
1f	General remarks of inspecting officers on geology, exploration etc	Geological axis-1.	106 no of core bore holes completed.	-

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North East side of the mine.	North East side of the mine.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil bench is maintained.	One bench in top soil and one bench in mineral.	-
2c	Stripping ratio or ore to OB ratio	No proposal.	Nil	There is overburden in the mine.
2d	Quantity of topsoil generation in m3	13629 Cum.	13992 Cum.	Utilised 6109 Cum up to 31.3.2018.
2e	Quantity of overburden generation in m3	No proposal.	Nil	There is no overburden in the mine.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No proposal of Nil over burden.	Nil	There is no over burden in the mine.
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### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	One pit.	-
3b	Quantity of ROM mineral production proposed	10,00,000 T.	7,27,196 T.	L.G stock 1,51,304 T consumed.
3c	Recovery of sailable/usable mineral from ROM production	100 %	72.71 %.	-
3d	Quantity of mineral reject generation	No proposal.	Nil	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Cao - < 40 % Sio2 -> 20 %.	-
3f	Quantity of sub grade mineral generation.	32500 T.	32,369 T Low grade.	Low grade blending with high grade limestone mined out from 2nd bench.
3g	Grade of sub grade mineral generation	Cao -42.37 % SiO2- 16.64%	Cao -42.37 % SiO2- 16.64%	-
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	Nil
3j	Provision of drilling and blasting in mineral benches	Wet drilling with Non-EL.	Wet drilling with Non-EL.	-

3k	Provision of mining machineries in mineral benches	Excavators & Tippers.	Excavators & Tippers.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal.	Nil	There is no overburden in the mine.
3m	Total area covered under excavation/pits	3.67 ha.	2.94 ha.	During the year 2017-18.
3n	Ore to OB ratio for the pit/mine during the year.	Not Applicable.	Not applicable.	There is no overburden in the mine.
3o	Total area put in use under different heads at the end of year	Area of excavation : 18.65 Ha Green belt : 2.35 Ha.791 hectare	Approx are under pit 7.37 hectare Top soil 0.6 hectare Are under crusher= 3.791 hectare Others: 1.0 Hectares	-
3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 1009023 Tonnes, 2016-17 - 1000987 Tonnes, 2017-18 -1001828 Tonnes	Limestone- 2015-16 - 186944 tonnes ,2016-17 - 956360 tonne 2017-18 - 727196 Tonnes	-
3q	General remarks of inspecting officers on method of mining etc.	Open cast mechanised method.	Open cast mechanised method.	-

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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)	Top soil dumping.	Top soil dumping is there.	-
4b	Location of topsoil, OB and mineral reject dumps	Top soil dump is located western side of the mine	Top soil dump is located western side of the mine.	-
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.	Not applicable.	Not applicable.	-
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	Only top soil dump is there to the western side of the mine.	Only top soil dump is there to the western side of the mine.	-

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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	The area is not matured for back filling.
5b	Area under backfilling of mined out area	No proposal.	Nil	The area is not matured for back filling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal.	Nil	Top soil utilised for plantation.
5d	Total area fully reclaimed and rehabilitated	No proposal.	Nil	The area is not matured for rehabilitation at this stage.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal.	Nil	The area is not matured for rehabilitation at this stage.
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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).	Submitted.	Submitted.	-
6b	Area available for rehabilitation (ha) .	No propasal.	Nil	The area is not matured for rehabilitation stage.
6c	afforestation done (ha).	No proposal.	Nil	The area is not matured for rehabilitation stage.
6d	No. of saplings planted during the year	1705 no of plants 0.94 ha.	5400 no of plants within M.L area. 3.47 ha.	7.5 Barrier zone and along the Nala barrier zone.
6e	Cumulative no .of plants	1705 no of plants 0.94 ha.	5400 no of plants within M.L area. 3.47 ha.	7.5 Barrier zone and along the Nala barrier zone.
6f	Any other method of rehabilitation	No proposal.	Nil	The area is not matured for rehabilitation stage.
6g	Cost incurred on watch and care during the year	No proposal.	Nil	The area is not matured for rehabilitation stage.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	Nil	The area is not matured for rehabilitation and backfilling stage.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Submitting every quarter.	Submitting every quarter	-



6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Submitted.	Submitted.	-
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### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Top 2-3 meters low grde limestone separately blending with heigh grde limestone.	Top 2-3 meters low grde limestone separately blending with heigh grde limestone.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Top 2-3 meters low grde limestone separately blending with heigh grde limestone.	Top 2-3 meters low grde limestone separately blending with heigh grde limestone.	-
7c	Different grade of mineral sorted out at mines.	Cao-42.37% Sio2-16.64%	Cao-42.37% Sio2-16.64%	-
7d	Any beneficiation process at mines	No proposal.	Nil	There is no any beneficiation process.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of beneficiation.	Nil	There is no any beneficiation process.

### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	13628 Cum	13992 Cum	Top soil shifted to 7.5 m barrier zone used and separate stocking.

8b	Concurrent use or storage of topsoil	5000 Cum.	6109 Cum.	Top soil shifted to 7.5 m barrier zone used and separate stocking.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Maintained.	Maintained.	-
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.	Area is not matured for rehabilitation.	Area is not matured for rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.97 ha	3.47 ha	plantation done along the barrier zone and nala zone.
8g	Survival rate	85 %	87 %	-
8h	Water sprinkling on roads to control airborne dust	Yes.	Yes.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation gives aesthetic beauty in around the mines.	Plantation gives aesthetic beauty in around the mines.	-

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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 returns and Annual return submitted in time.	Monthly returns and Annual return submitted in time.	-

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri S.Suresh Reddy, Mines Manager, Sri C. Venkat Ramana, Geologist.	Sri S.Suresh Reddy, Mines Manager, Sri C. Venkat Ramana, Geologist.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area -8.2 ha. Top soil dump area -1.3 ha.	Pit area -8.2 ha. Top soil dump area -1.3 ha.	-
9d	Scrutiny of Annual return on afforestation	5400 no of plants With in M.L area. 500 no of plants out side M.L area 86 % survival rate.	5400 no of plants within M.L area 500 no of plants out side M.L area 86 % survival rate.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	32369 T < 40 % Cao.	32369 T < 40 % Cao.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	pro-727196 T	pro-727196 T	The same is utilised in Cement plant.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.mine price - 192/ Cost of prod- 192/	Ex.mine price - 192/ Cost of prod- 192/	-
9h	Scrutiny of Annual return on fixed assets	Yes.	Yes.	-

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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

**Date :**

(P.GURUVAIAH)

Indian Bureau of Mines