

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : ~~M001~~) S K MUDULI
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 22/08/2017
- (v) Prev.inspection date : 09/03/2017

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
n0. 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	2014-15(161 core bore holes each of 30m depth at less than 200 m X 200 m)	58 nos core bore hole 1313 m as on 31.03.2017.	Exploration work under progress.
1b	Exploration over lease area for geological axis 1 or 2	430.11 Ha	154.32 Ha-G1 level, 302.27 Ha-G4	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Rupees 2 crore	Rupees 72.05 Lakhs	
1d	Balance area to be explored to bring Geological axis in 1 or 2	430.11Ha	154.94Ha	Exploration work on progress
1e	Balance reserve as on 01/04/20	13.30 Million Tonnes	12.15 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 49100- N 49700,E 53300 - E 53900	within the proposed area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Top soil being worked separately	
2c	Stripping ratio or ore to OB ratio	No OB.	There is no OB within the Mining Lease.	
2d	Quantity of topsoil generation in m3	2016-17 - 91881.60 m3	2016-17 - 57829.16 m3	15570.25 m3 utilised for plantation purpose
2e	Quantity of overburden generation in m3			

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mineral reject was generated from from the mineralised zone which was not assessed during plan preparation.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1000987 tonnes	956360 tonnes	Less production due to less market demand.
3c	Recovery of sailable/usable mineral from ROM production	100%	87.52 % ROM usable remaining 12.48 % stacked as mineral reject.	
3d	Quantity of mineral reject generation	Not accessed during preparation of mining plan	119360 tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	Not accessed during preparation of mining plan	CaO%-42%,SiO2%- 16 to 17.5%	
3f	Quantity of sub grade mineral generation.	Not accessed during preparation of mining plan	119360 tonnes Mineral rejects	
3g	Grade of sub grade mineral generation	Not accessed during preparation of mining plan	CaO%-42%,SiO2%- 16 to 17.5%	
3h	Manual / Mechanised method adopted for segregating from ROM		Mechanised by developing a sub-benches where ever practical	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	Nil	

3j	Provision of drilling and blasting in mineral benches	Drilling and blasting proposed	Drilling and blasting undertaken	
3k	Provision of mining machineries in mineral benches	Excavator and tipper proposed	Excavator and tipper used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Yes	
3m	Total area covered under excavation/pits	11.56 Ha till 2016-17	5.10 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	
3o	Total area put in use under different heads at the end of year		Approx are under pit 5.1 hectare dump 0.6 hectare Are under crusher= 3.791 hectare	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 1009023 Tonnes, 2016-17 - 1000987 Tonnes	Limestone- 2015-16 - 155000 tonnes ,2016-17 - 956360 tonnes , Mineral rejects/sub grade- 2015-16 - 31944 (As per earlier MCDR report) ,2016-17 - 119360 tonnes	
3q	General remarks of inspecting officers on method of mining etc.	--	As on date of inspection, the lessee has already completed drilling as proposed. A total of 164 no.s CBH with a total meterage of 2968 meters was completed. Sampling and analysis of borehole cores is pending. Reserves and resources estimation based on the current exploration is pending.	The lessee was advised to complete the sampling and analysis and estimate the reserves/resources.

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)	No proposal	Separate dumping done.
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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	No area is mature for backfilling.	
5b	Area under backfilling of mined out area	NA	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)		NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area is 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).	Prposed	Submitted on 06.07.2017 and received in this office on 10.07.2017	
6b	Area available for rehabilitation (ha) .	Not Proposed	NA	
6c	afforestation done (ha).		4942 no saplings in 2.28 Ha	

6d	No. of saplings planted during the year		2016-17= 4813 saplings (2.08 ha.)
6e	Cumulative no .of plants		4942 nos
6f	Any other method of rehabilitation	Not proposed	NA
6g	Cost incurred on watch and care during the year		
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	NA. However 2942 nos saplings planted in 2.28 Ha

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)		2942 nos sapling planted in 2.28 Ha area	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation			
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Undertaken	
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	sorting not proposed. entire minerlised zone was proposed to be used.	top layer of 1 to 2m has been worked separately and stacked.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.		separate bench has been developed for removeing the top 1-2m limestone.	
7c	Different grade of mineral sorted out at mines.		CaO%-42, SiO2%- 16 to 17.5%	
7d	Any beneficiation process at mines .	Not prposed	Nil	

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)		Topsoil being removed separately.	
8b	Concurrent use or storage of topsoil		Top soil is stacked separately.Top soil is being used for plantation purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No prposal	Separate dump is there	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	NA	
8g	Survival rate		85%	

8h	Water sprinkling Proposed on roads to control airborne dust	Being undertaken	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The mining activity has just started, the aesthetic beauty is not disturbed much due to mining activity.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	Monthly and Annual returns being submitted regularly	--
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	--	Mining Engineer and Geologist appointed as per rules	--
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	--	Area under mine working is 4.110 HA Area under dumping is 0.66 ha Topsoil dump is 0.4 ha	--
9d	Scrutiny of Annual return on afforestation	--	2942 plants in 2.28 ha	--
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	--	119736 tonnes	--
9k	Scrutiny of Annual return on mining machineries		As reported	

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 :
(S K MUDULI)

Indian Bureau of Mines