

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

Mining Plan Modification REPORT

Hyderabad regional office

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

Mine code : 38APR02052

- (i) Name of the Inspecting : **M029**) **MADHU SUDHAN YADAV M**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri.Suresh Reddy, Mining Engineer & Sri.Venkataramana
Official with
Designation
- (iv) Date of Inspection : 25/09/2020
- (v) Prev.inspection date :

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 : **Yadiki**
- (g) First opening date : **23/12/2015**
- (h) Weekly day of rest : **SUN**
2. Address for : **M/s BMM Cement**
correspondance **Gudipadu village & Post, Yadkli Mandal,**
Ananthapur, Dist, 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 : MP review under 17(1) MCR 2016 30/01/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 Nos. of boreholes proposed	10 Nos. of boreholes drilled as per proposal	
1b	Exploration over lease area for geological axis 1 or 2	Proposed to explore entire area to G1 Level.	Entire lease area is explored in G1 Level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-----	Lessee has carried out exploration by their own drilling machine.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	---	Entire lease area of 454.59 Ha is explored in G1 Level by carrying out 187 core boreholes.	
1e	Balance reserve as on 01/04/20	-----	128.47 million tonnes as on 01/09/2020.	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area of 454.59 Ha has been explored in G1 level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposal made as per below mentioned grid lines: 822315,1672207 822387,1672182 822491,1671898 822278,1671820 822267,1671845	Development carried out as per the proposals.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed to excavate top soil seperately.	Top soil is being excavated seperately.	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	36490 cu.m	32437cu.m	

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 work carried out as per 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	1001586 Te	999910 Te	
3c	Recovery of sailable/usable mineral from ROM production	100 %	Entire ROM is utilised for the captive cement plan	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	63000 Te	60161 Te	Sub grade mineral is blended with cement grade limestone.
3g	Grade of sub grade mineral generation	CaO-42.2 % SiO2-16.25%	CaO-42.37 % SiO2-16.25%	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	

3j	Provision of drilling and blasting in mineral benches	Proposed drilling - 115 mm dia with 6 meters spacing and 4 meters burden with depth of hole of 10 meters Proposed blasting - Slurry explosives with ANFO using Nonel initiation	Drilling and blasting carried out as proposed.
3k	Provision of mining machineries in mineral benches	Shovel-2 Nos. Tippers-8 Nos. Drilling machine - 1No.	Shovel-2 Nos. Tippers-8 Nos. Drilling machine - 1No.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	9meters bench height is proposed .	Digging height of excavators of 1.4 cum capacity is technically suitable for development of a maximum of 9 meters bench height.
3m	Total area covered under excavation/pits	12.10 Ha	12.0 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	24.814 Ha	24.664 Ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 1009023 2016-17 - 1000987 2017-18 - 1000000 2018-19 - 1001458 2019-20 - 1001586	2015-16 - 186944 2016-17 - 956360 2017-18 - 727196 2018-19 - 999900 2019-20 - 999910
3q	General remarks of inspecting officers on method of mining etc.		Mining is carried out by fully mechanised method by deploying HEMM.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Topsoil dump is proposed	Top soil dump is maintained.	
4b	Location of topsoil, OB and mineral reject dumps	821742-1671768, 821667-1671848.	Dumping done in the proposed area.	
4c	Number of dumps within lease area and outside of lease area	One - Within lease area	One - Within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumping proposed within UPL	Dump maintained within UPL	Top soil is temporarily stacked and will be utilised for plantation purpose.
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	Parapet wall constructed around the dump.	
4i	Length of Retaining wall or garland drain all along dumps	-----	Around 150m of parapet wall developed around the dump.	
4j	Number of settling ponds	Two	Two	
4k	Specific comments of inspecting officer on waste dump management			Top soil generated is stacked in dump. The same will be utilised for plantation purpose. Parapet wall and garland drain maintained around the dumps.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mining lease area is not matured for reclamation work.

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).	To be submitted as per rule	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1.0 Ha	1.14 Ha	
6d	No. of saplings planted during the year	2000 Nos.	3359 Nos.	
6e	Cumulative no .of plants	No proposal	19006 Nos.	
6f	Any other method of rehabilitation	Nil	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring to be carried out in every quarter.	Environmental monitoring work carried out quarterly.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Top soil generated is being utilised for developing green belt in the buffer zone.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM to be consumed with blending.	Entire ROM is consumed by blending the sub grade mineral with cement grade limestone.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines .	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Entire ROM is consumed by blending the sub grade limestone with cement grade limestone.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	36490 cu.m	32437 cu.m	
8b	Concurrent use or storage of topsoil	10000 cu.m	99994 cu.m	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1.10 Ha	1.14 Ha	
8g	Survival rate	85%	88%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling done in the haulroads to control the airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation has been carried out along the lease boundary and view point to maintain the aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns submitted as per rule	Submitted in time.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Siram Suresh Reddy, Geologist- C. Venkata Ramana	Employed as submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open cast - 13.85 Ha Road - 4.894 Ha Top soil dump - 2.6 Ha	Broadly as per submission.
9d	Scrutiny of Annual return on afforestation	3359 Nos.	Plantation done and maintained as submitted.
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	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.210.83	Rs.210.83
9h	Scrutiny of Annual return on fixed assets	Rs.237266355/-	
9k	Scrutiny of Annual return on mining machineries	Shovel - 1.4 cu.m- 2 no.s Tipper- 14 cu.m- 8 nos. Wheel Loader- 1.8 cu.m- 1 no. Blast hole drill- 115 mm- 1 no.	Machineris found in mines as submitted.

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 :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines