

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

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

Mine code : 38APR02052

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : SURESH REDDY, MINES MANAGER. VENKATA RAMANA, GEOLOGIST.
Official with
Designation
- (iv) Date of Inspection : 29/11/2019
- (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 correspondance** : M/s BMM Cement
Gidipadu 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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 bore holes to be drilled	10 no. of bore holes completed	
1b	Exploration over lease area for geological axis 1 or 2	Entire area to be explored in 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 the exploration by his own Exploratory Drilling machine	Lessee	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Entire lease area has been explored in G1 level by 187 core bore holes with 3623.25 meterages	
1e	Balance reserve as on 01/04/20	127.075	127.0936	Figures in Million Tonnes
1f	General remarks of inspecting officers on geology, exploration etc		Entire lease area has been explored in G1 level by 187 core bore holes with 3623.25 meterages. The deposit is gently dipping of 2-3 degree and uniform in nature, maximum ore occurrence is from 0.3 meters on to 45 meters in the lease area.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	Development proposal are made in between the grid lines North-821871,1672186 , 822221,1672313 , EAST 822512,1672145 , 822572,1671998 South 822504,1671802 822120,1671662	Development is observed in the area within proposals made in Mining Plan	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil is to be excavate seperately than the ore benches	TOP soil is being excavated separately and being stacked in the earmarked place.	
2c	Stripping ratio or ore to OB ratio	Nil	No OB is reported hence Nil Stripping Ratio	
2d	Quantity of topsoil generation in m3	11618 m3	11600 m3	TOP Soil utilised is 9990 m3 (upto 31.03.2019)
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 of the mine is being carried out syatematically and within the co-ordinates proposed	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1001458	999900	in MT

3c	Recovery of sailable/usable mineral from ROM production	100%	Entire ROM generated is being utilised for captive Cement Plant
3d	Quantity of mineral reject generation	No Mineral reject is generated	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable
3f	Quantity of sub grade mineral generation.	Nil	Not applicable
3g	Grade of sub grade mineral generation	Nil	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA
3j	Provision of drilling and blasting in mineral benches	Drilling is being carried out by 115 mm dia by maintaining 6 meters spacing and 4 meters burden with depth of hole of 10 meters bore hole depth by using Slurry with ANFo using Nonel initiation	The drilling and Blasting is being carried out as per proposed

3k	Provision of mining machineries in mineral benches	SHOVEL (HYDRAULIC)- 1.4 cum- 2 no.s Tipper- 14 cum- 8 nos. Wheel Loader- 1.8 cum- 1 no. Blast hole drill- 115 mm- 1 no.	SHOVEL (HYDRAULIC)- 1.4 cum- 2 no.s Tipper- 14 cum- 8 nos. Wheel Loader- 1.8 cum- 1 no. Blast hole drill- 115 mm- 1 no.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 9 meters is proposed	9 meter Bench height is suitable for the proposed mining method	
3m	Total area covered under excavation/pits	12.10 Ha	12.10 ha	2018-19
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	21.314 Ha	21.314 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	2015-16 :- 186944 2016-17 :- 956360 2017-18 :- 727196 2018-19 :- 999900	Minining operations commenced on 23.12.2015
3q	General remarks of inspecting officers on method of mining etc.		Fully mechanised method of Mining by deploying HEMM is adopted in the lease area by maintaining bench height of 6 to 9 meters and width of 25 m,eters and carried out mining systematiucally.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes, Separate dumping of topsoil is proposed	major portion of Top soil generated is being utilised for plantation and small portion unutilised is being stacked Separate in the earmarked place.
4b	Location of topsoil, OB and mineral reject dumps	Top Soil is stocked at west side of the ML area in between the Co Ordinates of 821742- 1671768, 821667- 1671848.	Top soil is being stacked in earmarked place
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)	Within UPL it is temporary stack and will be utilised for plantation 821742- 1671768, 821667- 1671848.	Being dumped within UPL.
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Parapit Bund constructed all along the bottom periphery of top soil dump.
4i	Length of Retaining wall or garland drain all along dumps	No proposals	about 150 meters length
4j	Number of settling ponds	1	1

4k	Specific comments of inspecting officer on waste dump management	No OB is reported so far in the lease area. Top soil stack is well maintained with all protective measures like terracing, retaining wall.
----	--	--

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	No area is matured for reclamation hence 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	None	
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 reclamation hence no backfilling is applicable at present.	

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 submit annually	Submitted for the year 2018-19	
6b	Area available for rehabilitation (ha) .	N.A	Not Applicable	

6c	afforestation done (ha).	1.0 Ha	1.6 Ha	
6d	No. of saplings planted during the year	2000 no.s	2270 nos.	
6e	Cumulative no .of plants		6419 sapplings have been planted so far.	
		N.A		
6f	Any other method of rehabilitation	N.A	N.A	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	2000 (1.0 Ha)	2270 (WML) (1.16 Ha)	7.5Barrier Zone and along the Nala Barrier zone.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring is to be carried out quarterly	Quarterly monitoring is being done in respect Air, Noise, water	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Top Soil is being utilised for developing Green Belt and monitoring is being carried out regularly	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire Rom produced to be dispatched/ consumed in the same year	Entire Rom produced to be dispatched/ consumed in the same year	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	

7c	Different grade of mineral sorted out at mines.	Low grade ore of top 1 to 3 meters having grade of Cao-42.37%, Sio2-16.64 % is to be excavated separately and blend with high grade ore	Mining is being done as per approved proposals
7d	Any beneficiation process at mines	None	Only crushing is being carried for size reduction
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Lessee is excavating the low grade ore from 1 to 3 meters and the same is blend with high grade ore during the same year, thus optimum utilisation of ore is done in the lease area

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	11618 m3	11600 m3	majority of Top soil generated is being utilised for plantation in 7.5 barrier zone and balnce is being stacked separately.
8b	Concurrent use or storage of topsoil	10000 m3	9990 m3	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
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)	NA	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1.0 Ha	1.16 Ha
8g	Survival rate	85%	88%
8h	Water sprinkling on roads to control airborne dust	Yes, for suppression of dust sprinkling arrangement is to be done	Yes, water sprinkling arrangement is done in the lease area
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is done along Haul road and safety zone of lease area to improve aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R./ A.R are to be submitted in time	MR and AR are being 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	Above are employed in the lease	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Pit- 11.8 Ha Occupied by plant, & road-4.894 HA Top soil dump- 2.3 Ha	

9d	Scrutiny of Annual return on afforestation		2270 no. planted
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. 211.50	Rs. 211.50
9h	Scrutiny of Annual return on fixed assets	Rs. 244569572	As reported by lessee
9k	Scrutiny of Annual return on mining machineries		SHOVEL (HYDRAULIC)- 1.4 cum- 2 no.s Tipper- 14 cum- 8 nos. Wheel Loader- 1.8 cum- 1 no. Blast hole drill- 115 mm- 1 no.

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines