

**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 : **M015**) **MANISH K. MAINDIRATTA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sh Suresh reddy, manager Mines
Official with
Designation
- (iv) Date of Inspection : 09/03/2017
- (v) Prev.inspection date : 18/05/2016

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. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 23/12/2015
- (h) Weekly day of rest : SUN
2. Address for : M/s BMM Cement
correspondance : 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	161BH	35 completed	Exploration work under progress, previous violation in this regard is being complied.
1b	Exploration over lease area for geological axis 1 or 2		About 118.8 hectare has been explored so far.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	lessee has procured the machine for nthe purpose.	
1e	Balance reserve as on 01/04/20		As on 01.04.2016 is 13.2mT As on 28.02.2017 is 12.39mT	
1f	General remarks of inspecting officers on geology, exploration etc		The violation for undertaking exploration as per proposal is pending and the work is under progress.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the central portion of the lease	Work has been undertaken at the proposed area only. Between Grid lines N49300-49600 & E53500-E53800	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)		top soil being worked separately.	
2c	Stripping ratio or ore to OB ratio	No OB	No OB is there in the lease	
2d	Quantity of topsoil generation in m3	15-16=104105cu m 16-17=91881.60 cu m	15-16=58707.5 cu m 16-17=57829.16 cu m (till feb 17.)	
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 is generated from the mineralized zone, which was not assessed during the 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	2015-16= 1009023 T 2016-17= 1000987 T	2015-16= 155000 T useable mineral + 31944 T of mineral Reject 2016-17= 746500 T useable mineral + 11935.9 T of mineral Reject (till feb 17.)	
3c	Recovery of sailable/usable mineral from ROM production	100%	About 87% of the mineral is used. remaining stacked as mineral reject .	
3d	Quantity of mineral reject generation	Not anticipated	2015-16= 31944 T of mineral Reject 2016-17= 11935.9 T of mineral Reject (till feb 17.)	
3e	Grade of mineral rejects generation and threshold value declared.	----	CaO=42% SiO2= 16-17.5%	
3f	Quantity of sub grade mineral generation.		About 151303T till feb 2017	
3g	Grade of sub grade mineral generation	Not Aanticipated	CaO=42% SiO2= 16-17.5%	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	Mechanised by developing a sub bernch wherever practical.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.		No	

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	14.5 hectare till 16-17	About 5.1 hectare till 28th feb 2017.
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 T 2016-17= 1000987 T	2015-16= 155000 T useable mineral + 31944 T of mineral Reject 2016-17= 746500 T useable mineral + 11935.9 T of mineral Reject (till feb 17.)
3q	General remarks of inspecting officers on method of mining etc.	-----	-----

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposal	Separate dumping is being done.	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Within lease area near N49400 & E53400	

4c	Number of dumps within lease area and outside of lease area	No proposal	One dump is there each for mineral reject and top soil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)		dump has been kept at the area proposed for exploration.
4e	Number of active and alive dumps.		one active dump was there.
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.		one top soil and one mineral reject dump
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Not done.
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	No proposal	NIL
4k	Specific comments of inspecting officer on waste dump management		Mineral dump is useable.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	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 mature 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).	---	----	
6b	Area available for rehabilitation (ha) .	N>A	N.A	
6c	afforestation done (ha).		2015-16=129 saplings (0.2 ha.) 2016-17= 4813 saplings (2.08 ha.)	
6d	No. of saplings planted during the year		2015-16=129 saplings (0.2 ha.) 2016-17= 4813 saplings (2.08 ha.)	
6e	Cumulative no .of plants		2015-16=129 saplings (0.2 ha.) 2016-17= 4813 saplings (2.08 ha.)	
6f	Any other method of rehabilitation		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	`Not applicable	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.		Not applicable.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)		2015-16=129 saplings (0.2 ha.) 2016-17= 4813 saplings (2.08 ha.)
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 accordingly.
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 1-2m 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.	
7d	Any benefeciation process at mines .		No benefeciation work undertaken.	
7e	General remarks of inspecting officer on Mineral conservation and benefeciation 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.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	separate dump is there.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	Not applicable	
8g	Survival rate		85%	
8h	Water sprinkling on roads to control airborne dust	proposed	being undertaken	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The lease area is generally calm and 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		Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining engineer appointed was not having experience as required in rule.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		----	
9d	Scrutiny of Annual return on afforestation		Plantation has been undertaken and reported accordingly.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Not reported	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Mineral reject generated from mineralised zone has not been reported as ROM	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production reported as Rs 223.28 PMT Mining Cost is reported as Rs 5.48 PMT	bifurcation of cost of productioion not submitted correctly.
9h	Scrutiny of Annual return on fixed assets	-----	
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 :

(MANISH K. MAINDIRATTA)

Indian Bureau of Mines